TECHNICAL REPORT

WAIKERIE TO MORGAN NUMERICAL GROUNDWATER MODEL 2012

VOLUME 2: APPENDICES

2012/18

DISCLAIMER

The Department for Water and its employees do not warrant or make any representation regarding the use, or results of use of the information contained herein as to its correctness, accuracy, reliability, currency or otherwise. The Department for Water and its employees expressly disclaim all liability or responsibility to any person using the information or advice

Government of South Australia
Department for Water

WAIKERIE TO MORGAN NUMERICAL GROUNDWATER MODEL 2012

VOLUME 2: APPENDICES

Wei Yan, Chris Li and Juliette Woods

Science, Monitoring and Information Division
Department for Water

June, 2012

Technical Report DFW 2012/18

Science, Monitoring and Information Division
Department for Water
25 Grenfell Street, Adelaide
GPO Box 2834, Adelaide SA 5001

Telephone	National	(08) 8463 6946
	International	+61 8 8463 6946
Fax	National	(08) 8463 6999
	International	+61 8 8463 6999
Website	www.waterforgood.sa.gov.au	

Disclaimer

The Department for Water and its employees do not warrant or make any representation regarding the use, or results of the use, of the information contained herein as regards to its correctness, accuracy, reliability, currency or otherwise. The Department for Water and its employees expressly disclaims all liability or responsibility to any person using the information or advice. Information contained in this document is correct at the time of writing.

© Government of South Australia, through the Department for Water 2012

This work is Copyright. Apart from any use permitted under the Copyright Act 1968 (Cwlth), no part may be reproduced by any process without prior written permission obtained from the Department for Water. Requests and enquiries concerning reproduction and rights should be directed to the Chief Executive, Department for Water, GPO Box 2834, Adelaide SA 5001.

ISBN 978-1-921923-35-7

Preferred way to cite this publication

Yan, W, Li, C & Woods, J, 2012, *Waikerie to Morgan Numerical Groundwater Model 2012 Volume 2: Appendices,* DFW Technical Report 2012/18, Government of South Australia, through Department for Water, Adelaide

Download this document at: http://www.waterconnect.sa.gov.au/TechnicalPublications/Pages/default.aspx

FOREWORD

South Australia's Department for Water leads the management of our most valuable resource—water.

Water is fundamental to our health, our way of life and our environment. It underpins growth in population and our economy—and these are critical to South Australia's future prosperity.

High quality science and monitoring of our State's natural water resources is central to the work that we do. This will ensure we have a better understanding of our surface and groundwater resources so that there is sustainable allocation of water between communities, industry and the environment.

Department for Water scientific and technical staff continue to expand their knowledge of our water resources through undertaking investigations, technical reviews and resource modelling.

Scott Ashby
CHIEF EXECUTIVE
DEPARTMENT FOR WATER

ACKNOWLEDGEMENTS

The project was funded by MDBA Salt Interception program and the South Australian State Government.

Chris Wright of the Department for Water provided sections for the introduction on basin salinity strategy and policies in 2010.

Renee Thompson and Anne Fordham of the Department for Water provided estimates of rainfall and irrigation recharge over time.

Peter Forward and Ryan Felder of SA Water provided Salt Interception Scheme data.

Vanessa Peat and Scott Evans of Australian Water Environments provided additional hydrogeological data and interpretation.

Linda Vears of the Department for Water as the project manager advised on policy, assisted with irrigation data gathering and coordinated The 5 Year Review Modelling Registers Project Team.

The scenarios were refined with input and approval from The 5 Year Review Modelling Registers Project Team for Waikerie to Morgan:

- Chris Wright, Linda Vears, Wei Yan and Juliette Woods (on secondment) of the Department for Water
- Phil Pfeiffer and Asitha Katupitiya of the Murray-Darling Basin Authority
- Peter Forward of SA Water.

The report was peer reviewed by Don Armstrong (Lisdon Associates) as an expert hydrogeologist, geologist and groundwater modeller and Steve Barnett as Principal Hydrogeologist in the Department for Water.

The report was also reviewed on behalf of the MDBA by Ray Evans and Greg Holland of Sinclair Knight Mertz.

CONTENTS

A MODEL INPUTS (RECHARGE ZONES AND VALUES, ACTUAL AND MODELLED PUMPING RATES)

A-1 MODEL INPUT – MALLEE CLEARANCE

A-2 MODEL INPUT – WAIKERIE AREA

A-3 MODEL INPUT – QUALCO AREA

A-4 MODEL INPUT – CADELL AREA

A-5 MODEL INPUT – TAYLORVILLE AREA

A-6 HISTORICAL MODEL INPUT – PUMPING RATES FOR WAIKERIE SIS

A-7 HISTORICAL MODEL INPUT – PUMPING RATES FOR QSTGCS

A-8 HISTORICAL MODEL INPUT – PUMPING RATES FOR WAIKERIE IIA SIS

A-9 HISTORICAL MODEL INPUT – PUMPING RATES FOR WAIKERIE LOCK 2 SIS

A-10 PREDICTION MODEL INPUT – PUMPING RATES FOR WAIKERIE SIS

A-11 PREDICTION MODEL INPUT – PUMPING RATES FOR QSTGCS

A-12 PREDICTION MODEL INPUT – PUMPING RATES FOR WAIKERIE IIA SIS

A-13 PREDICTION MODEL INPUT – PUMPING RATES FOR WAIKERIE LOCK 2 SIS

B MODEL OUTPUTS (FLUX AND SALT LOAD)

B-1 SUMMARY OF SALT LOAD FROM HOLDER TO LOCK 2, LOCK 2 TO HOGWASH AND HOGWASH TO MORGAN

B-2 SUMMARY OF FLUX FROM HOLDER TO LOCK 2, LOCK 2 TO HOGWASH AND HOGWASH TO MORGAN

B-3 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN HOLDER TO LOCK 2

B-4 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN LOCK 2 TO HOGWASH

B-5 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN HOGWASH TO MORGAN

C SUPPLEMENTARY REPORTS AND ANALYSES

C-1 METHODOLOGY TO ESTIMATE IRRIGATION ACCESSIONS UNDERLYING IRRIGATION AREAS AND APPLICATION OF METHOD TO THE WAIKERIE TO MORGAN REGION

C-2 SALINOGRAPHS FOR THE MONOMAN FORMATION IN THE WAIKERIE TO MORGAN AREAS

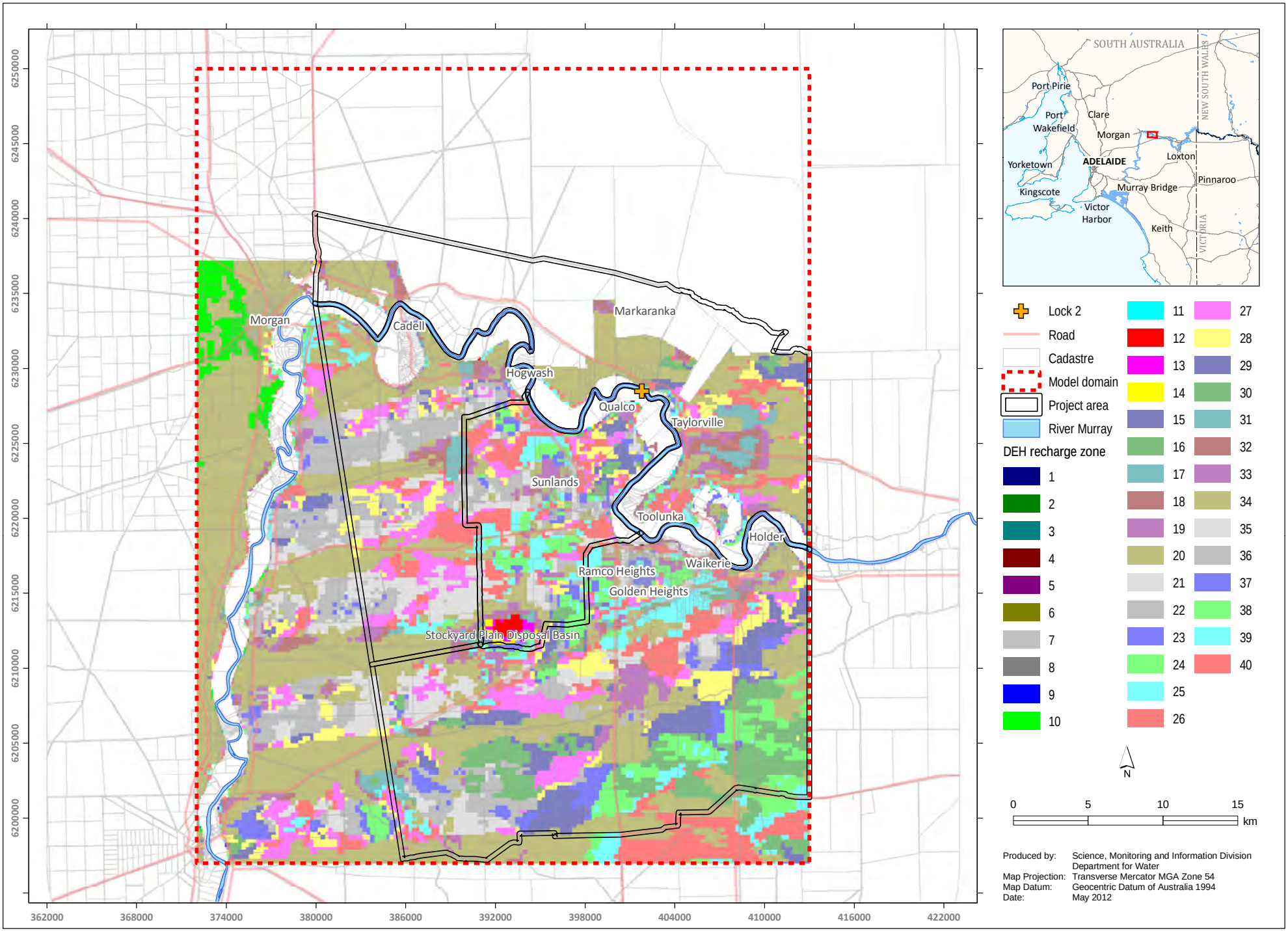
C-3 WATER BALANCE CALCULATIONS FOR THE IRRIGATION-INDUCED PERCHED AQUIFERS IN QUALCO AND WAIKERIE

C-4 FOLDER ARCHIVING STRUCTURE AND MODEL FILE NAMES

A. MODEL INPUTS (RECHARGE ZONES AND VALUES, ACTUAL AND MODELLED PUMPING RATES)

A-1 MODEL INPUT - MALLEE CLEARANCE

- Model recharge zones
- Zone number and recharge rates (mm/y)



A-1 (S2). Mallee Clearance recharge zones applied in the Waikerie to Morgan area (Scenario 2)

DEH Zone Number				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MODFLOW Recharge Zone Number				2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Start (y)	Stop (y)	Start (d)	Stop (d)	Recharge rate (mm/y)																			
Steady-state		0	7306	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1920	1930	7306	10959	0.31	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.43	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1930	1940	10959	14611	0.64	0.16	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	2.92	0.41	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1940	1950	14611	18264	0.66	0.43	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3.03	1.67	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1950	1960	18264	21916	0.66	0.63	0.18	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3.03	2.56	0.64	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1960	1970	21916	25569	0.66	0.66	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3.03	2.80	1.92	0.20	0.10	0.10	0.10	0.10	0.10	0.10
1970	1980	25569	29221	0.66	0.66	0.54	0.16	0.10	0.10	0.10	0.10	0.10	0.10	3.03	2.82	2.78	0.91	0.10	0.10	0.10	0.10	0.10	0.10
1980	1990	29221	32874	0.66	0.66	0.58	0.30	0.12	0.10	0.10	0.10	0.10	0.10	3.03	2.82	3.05	1.94	0.27	0.10	0.10	0.10	0.10	0.10
1990	2000	32874	36526	0.66	0.66	0.58	0.40	0.20	0.10	0.10	0.10	0.10	0.10	3.03	2.82	3.09	2.62	0.90	0.14	0.10	0.10	0.10	0.10
2000	2010	36526	40179	0.66	0.66	0.59	0.44	0.34	0.12	0.10	0.10	0.10	0.10	3.03	2.82	3.09	2.88	1.79	0.43	0.10	0.10	0.10	0.10
2010	2020	40179	43831	0.66	0.66	0.59	0.45	0.46	0.20	0.10	0.10	0.10	0.10	3.03	2.82	3.09	2.95	2.50	1.09	0.22	0.10	0.10	0.10
2020	2030	43831	47484	0.66	0.66	0.59	0.46	0.52	0.31	0.12	0.10	0.10	0.10	3.03	2.82	3.09	2.96	2.86	1.95	0.59	0.13	0.10	0.10
2030	2040	47484	51136	0.66	0.66	0.59	0.46	0.53	0.43	0.21	0.10	0.10	0.10	3.03	2.82	3.09	2.96	3.00	2.71	1.18	0.31	0.11	0.10
2040	2050	51136	54789	0.66	0.66	0.59	0.46	0.53	0.49	0.34	0.11	0.10	0.10	3.03	2.82	3.09	2.96	3.04	3.21	1.86	0.66	0.20	0.10
2050	2060	54789	58441	0.66	0.66	0.59	0.46	0.53	0.52	0.45	0.14	0.10	0.10	3.03	2.82	3.09	2.96	3.05	3.46	2.45	1.15	0.45	0.10
2060	2070	58441	62094	0.66	0.66	0.59	0.46	0.53	0.53	0.54	0.23	0.11	0.10	3.03	2.82	3.09	2.96	3.05	3.57	2.84	1.69	0.86	0.11
2070	2080	62094	65746	0.66	0.66	0.59	0.46	0.53	0.54	0.62	0.25	0.15	0.10	3.03	2.82	3.09	2.96	3.05	3.61	3.07	2.15	1.37	0.14
2080	2090	65746	69399	0.66	0.66	0.59	0.46	0.53	0.54	0.65	0.28	0.21	0.10	3.03	2.82	3.09	2.96	3.05	3.62	3.18	2.49	1.91	0.19
2090	2100	69399	73051	0.66	0.66	0.59	0.46	0.53	0.54	0.66	0.33	0.24	0.10	3.03	2.82	3.09	2.96	3.05	3.62	3.22	2.71	2.39	0.25
2100	2110	73051	76703	0.66	0.66	0.59	0.46	0.53	0.54	0.66	0.36	0.26	0.11	3.03	2.82	3.09	2.96	3.05	3.62	3.24	2.82	2.74	0.34
2110	2112	76703	77433	0.66	0.66	0.59	0.46	0.53	0.54	0.66	0.37	0.30	0.11	3.03	2.82	3.09	2.96	3.05	3.62	3.25	2.88	2.98	0.44

DEH Zone Number				21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
MODFLOW Recharge Zone Number				22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Recharge rate (mm/y)																			
Steady-state		0	7306	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1920	1930	7306	10959	3.64	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	6.47	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1930	1940	10959	14611	7.31	0.94	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	11.64	0.62	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1940	1950	14611	18264	7.67	4.64	0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10	11.94	5.47	0.15	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1950	1960	18264	21916	7.67	6.76	1.26	0.10	0.10	0.10	0.10	0.10	0.10	0.10	11.94	11.33	2.16	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1960	1970	21916	25569	7.67	7.11	4.30	0.26	0.10	0.10	0.10	0.10	0.10	0.10	11.94	12.48	7.76	0.39	0.10	0.10	0.10	0.10	0.10	0.10
1970	1980	25569	29221	7.67	7.13	6.43	1.56	0.12	0.10	0.10	0.10	0.10	0.10	11.94	12.53	12.46	2.78	0.16	0.10	0.10	0.10	0.10	0.10
1980	1990	29221	32874	7.67	7.13	7.10	4.09	0.58	0.10	0.10	0.10	0.10	0.10	11.94	12.53	14.09	7.69	1.03	0.11	0.10	0.10	0.10	0.10
1990	2000	32874	36526	7.67	7.13	7.21	6.17	2.07	0.25	0.10	0.10	0.10	0.10	11.94	12.53	14.36	12.04	3.85	0.51	0.10	0.10	0.10	0.10
2000	2010	36526	40179	7.67	7.13	7.22	7.12	4.27	0.99	0.14	0.10	0.10	0.10	11.94	12.53	14.39	14.10	8.01	2.08	0.20	0.10	0.10	0.10
2010	2020	40179	43831	7.67	7.13	7.23	7.38	6.14	2.51	0.47	0.10	0.10	0.10	11.94	12.53	14.39	14.71	11.55	5.01	0.79	0.12	0.10	0.10
2020	2030	43831	47484	7.67	7.13	7.23	7.44	7.18	4.38	1.35	0.23	0.10	0.10	11.94	12.53	14.39	14.84	13.52	8.32	2.27	0.37	0.10	0.10
2030	2040	47484	51136	7.67	7.13	7.23	7.45	7.60	5.95	2.77	0.68	0.14	0.10	11.94	12.53	14.39	14.86	14.33	10.86	4.60	1.14	0.17	0.10
2040	2050	51136	54789	7.67	7.13	7.23	7.45	7.74	6.92	4.40	1.56	0.38	0.10	11.94	12.53	14.39	14.86	14.58	12.32	7.19	2.64	0.53	0.13
2050	2060	54789	58441	7.67	7.13	7.23	7.45	7.77	7.39	5.80	2.80	0.91	0.16	11.94	12.53	14.39	14.86	14.65	12.98	9.40	4.70	1.32	0.31
2060	2070	58441	62094	7.67	7.13	7.23	7.45	7.78	7.58	6.76	4.15	1.79	0.32	11.94	12.53	14.39	14.86	14.66	13.24	10.91	6.90	2.66	0.76
2070	2080	62094	65746	7.67	7.13	7.23	7.45	7.78	7.64	7.31	5.32	2.93	0.64	11.94	12.53	14.39	14.86	14.66	13.32	11.76	8.77	4.42	1.60
2080	2090	65746	69399	7.67	7.13	7.23	7.45	7.78	7.66	7.58	6.17	4.13	1.15	11.94	12.53	14.39	14.86	14.66	13.35	12.19	10.10	6.32	2.85
2090	2100	69399	73051	7.67	7.13	7.23	7.45	7.78	7.67	7.69	6.71	5.21	1.84	11.94	12.53	14.39	14.86	14.66	13.35	12.37	10.92	8.04	4.39
2100	2110	73051	76703	7.67	7.13	7.23	7.45	7.78	7.67	7.73	7.00	6.03	2.63	11.94	12.53	14.39	14.86	14.66	13.36	12.44	11.36	9.38	6.02
2110	2112	76703	77433	7.67	7.13	7.23	7.45	7.78	7.67	7.75	7.15	6.60	3.47	11.94	12.53	14.39	14.86	14.66	13.36	12.47	11.58	10.32	7.55

A-1 (S2). Mallee Clearance recharge rates in mm/y (Scenario 2)

A-2 MODEL INPUT - WAIKERIE AREA

- Model scenario conditions
- Model recharge zones
- Zone number and recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

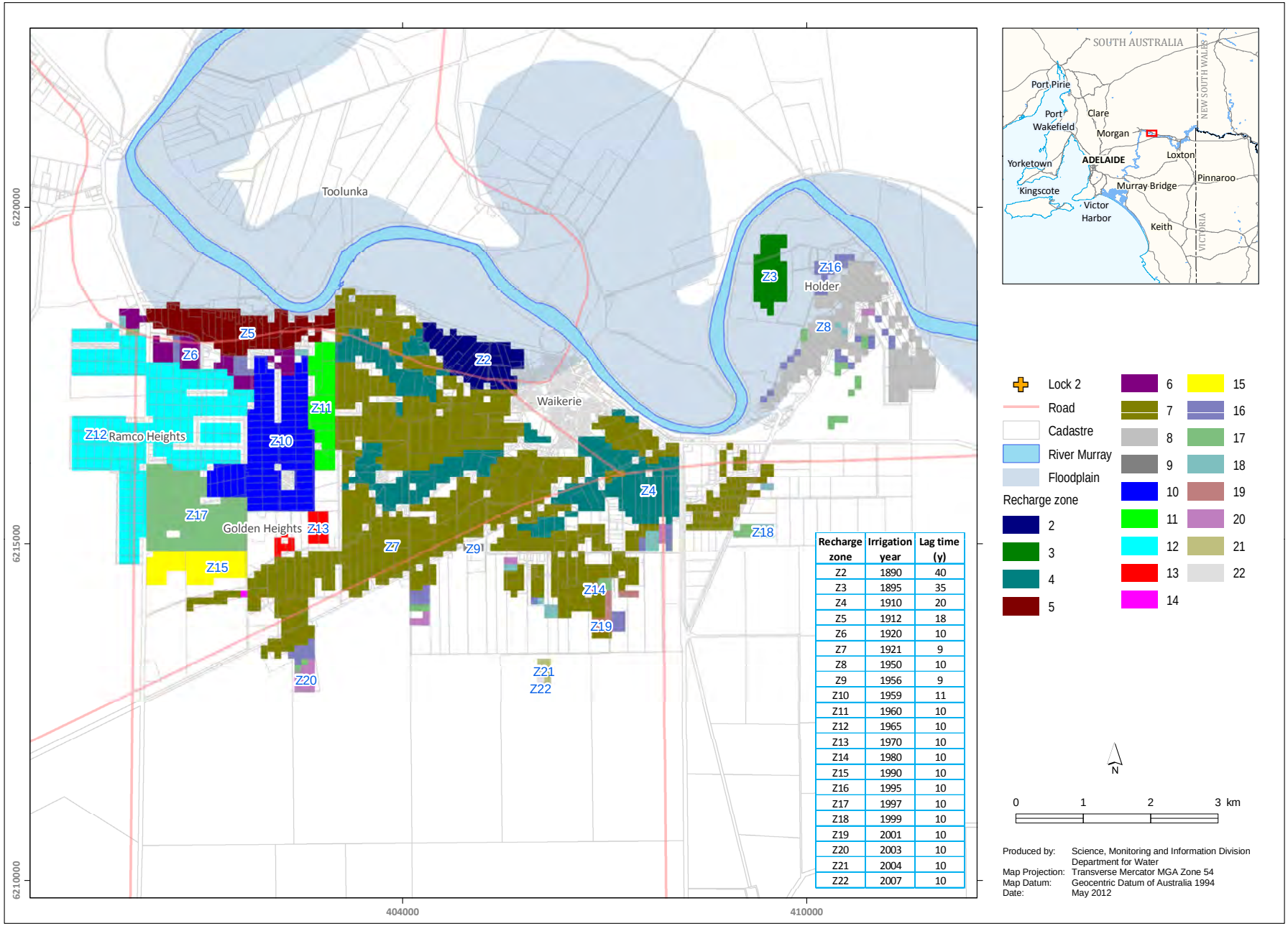
(Model recharge settings for Scenario 8a(i,ii,iii,iv) and 8b(i,ii,iii,iv) are equal to those for Scenarios 4 and 3c, respectively)

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3a	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3c	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8a(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8a(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8a(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8a(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8b(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8b(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8b(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8b(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2

IIP = Improved irrigation practices *RH = Rehabilitation of irrigation distribution networks* *SIS = Salt interception scheme*

CY = Current year *CY100 = 100 years from the current year*

A-2. Model scenario conditions

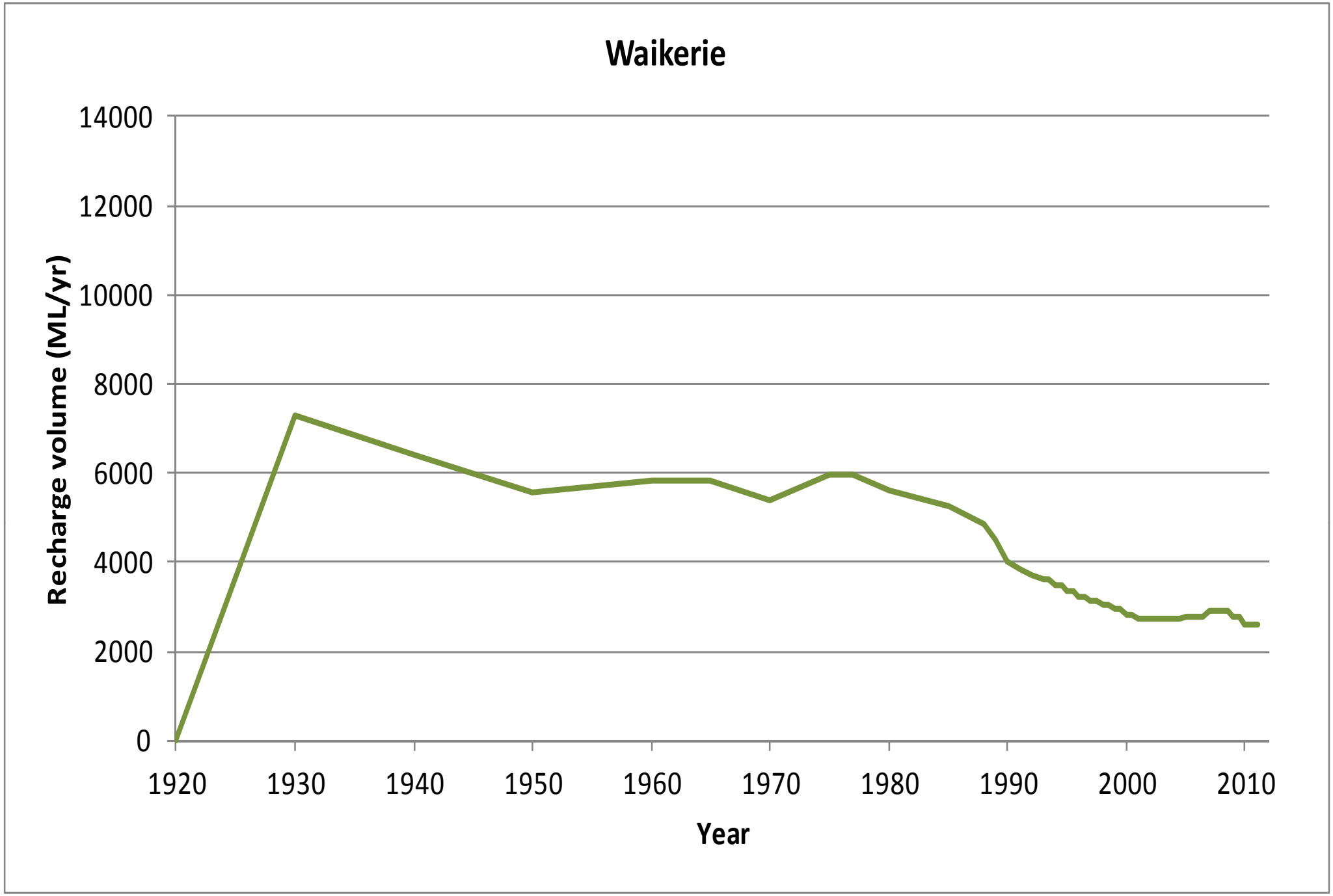


Recharge zone	Irrigation year	Lag time (y)
Z2	1890	40
Z3	1895	35
Z4	1910	20
Z5	1912	18
Z6	1920	10
Z7	1921	9
Z8	1950	10
Z9	1956	9
Z10	1959	11
Z11	1960	10
Z12	1965	10
Z13	1970	10
Z14	1980	10
Z15	1990	10
Z16	1995	10
Z17	1997	10
Z18	1999	10
Z19	2001	10
Z20	2003	10
Z21	2004	10
Z22	2007	10

A-2. Model recharge zones in the Waikerie area for all irrigation and SIS scenarios

Waikerie				Pre 1988-Irrigation													Post-1988 Irrigation							
Irrigation Start Year				1890	1895	1910	1912	1920	1921	1950	1956	1959	1960	1965	1970	1980	1990	1995	1997	1999	2001	2003	2004	2007
Lag time (Years)				40	35	20	18	10	9	10	9	11	10	10	10	10	10	10	10	10	10	10	10	10
Start (Year)	Stop (Year)	Start (day)	Stop (Day)	Zone 2	Zone 3	Zone 4	Zone5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	420	420	420	420	300	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	370	370	370	370	250	370	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	320	320	320	320	230	320	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	320	320	320	320	210	320	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	320	320	320	320	190	320	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	280	280	280	280	170	280	150	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	260	260	260	260	140	260	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	240	240	240	240	140	240	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	220	220	220	220	130	220	150	150	100	100	130	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	200	200	200	200	130	200	140	140	90	90	130	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	180	180	180	180	120	180	120	120	70	70	120	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	170	170	170	170	120	170	120	120	70	70	120	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	165	165	165	165	110	165	120	120	70	70	110	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	160	160	160	160	110	160	120	120	70	70	110	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	155	155	155	155	100	155	120	120	70	70	100	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	150	150	150	150	90	150	120	120	70	70	90	70	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	145	145	145	145	80	145	120	120	70	70	80	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	140	140	140	140	70	140	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	135	135	135	135	70	135	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	130	130	130	130	70	130	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	125	125	125	125	70	125	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	75	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	75	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	110	110	110	110	70	110	100	100	50	50	70	50	75	75	75	75	75	0.1	0.1	0.1	0.1
2010	2011	40179	40544	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	0.1	0.1	0.1	0.1
2011	2012	40544	40909	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	0.1	0.1	0.1

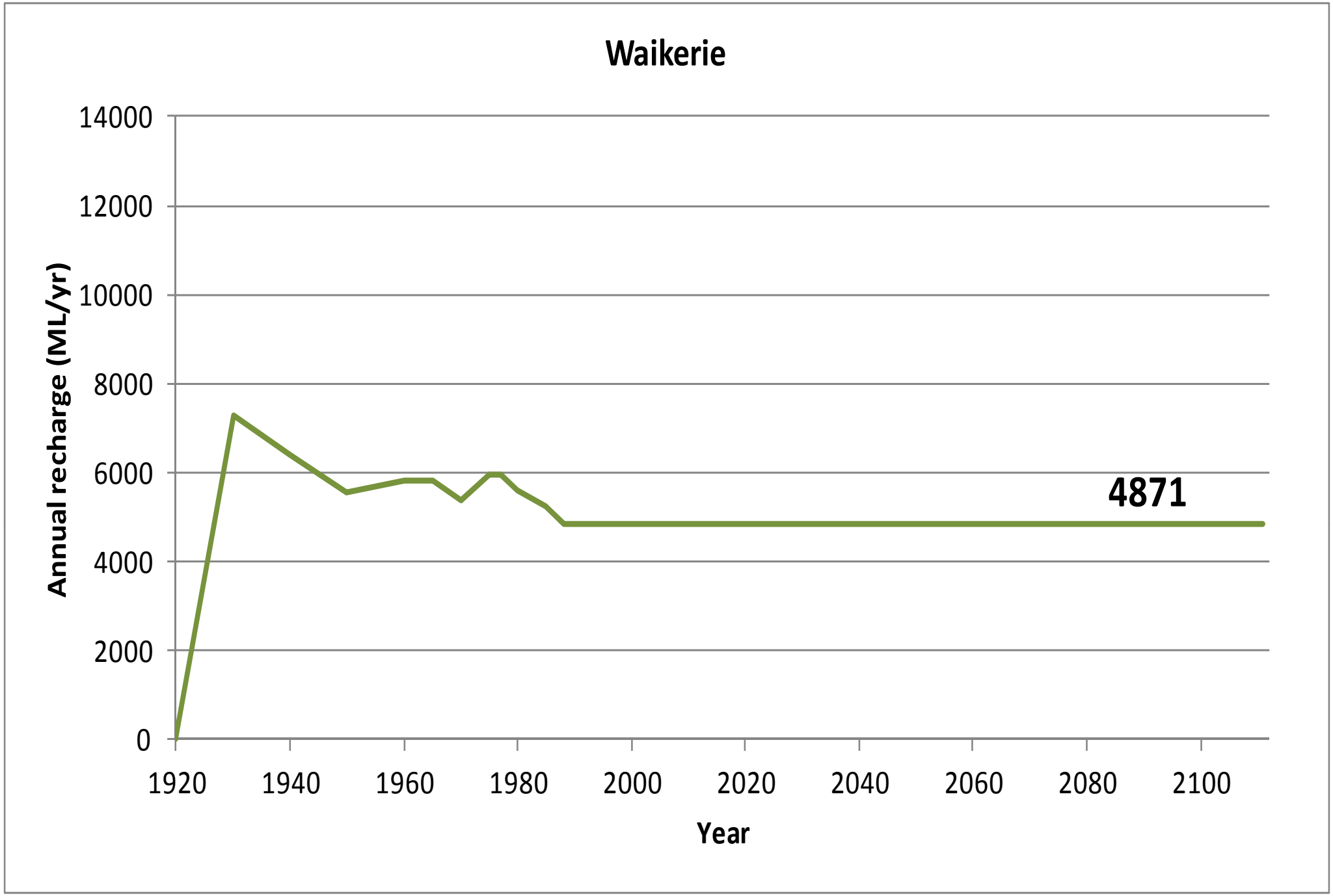
A-2 (Historical model). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Waikerie area (Historical model)



A-2 (Historical model). Total recharge volume applied in Waikerie Area (Historical model)

Waikerie				Pre 1988-Irrigation													Post-1988 Irrigation							
Irrigation Start Year				1890	1895	1910	1912	1920	1921	1950	1956	1959	1960	1965	1970	1980	1990	1995	1997	1999	2001	2003	2004	2007
Lag time (Years)				40	35	20	18	10	9	10	9	11	10	10	10	10	Future	Future	Future	Future	Future	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 2	Zone 3	Zone 4	Zone5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	420	420	420	420	300	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	370	370	370	370	250	370	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	320	320	320	320	230	320	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	320	320	320	320	210	320	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	320	320	320	320	190	320	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	280	280	280	280	170	280	150	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	260	260	260	260	140	260	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	240	240	240	240	140	240	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	220	220	220	220	130	220	150	150	100	100	130	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	220	220	220	220	130	220	150	150	100	100	130	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	220	220	220	220	130	220	150	150	100	100	130	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

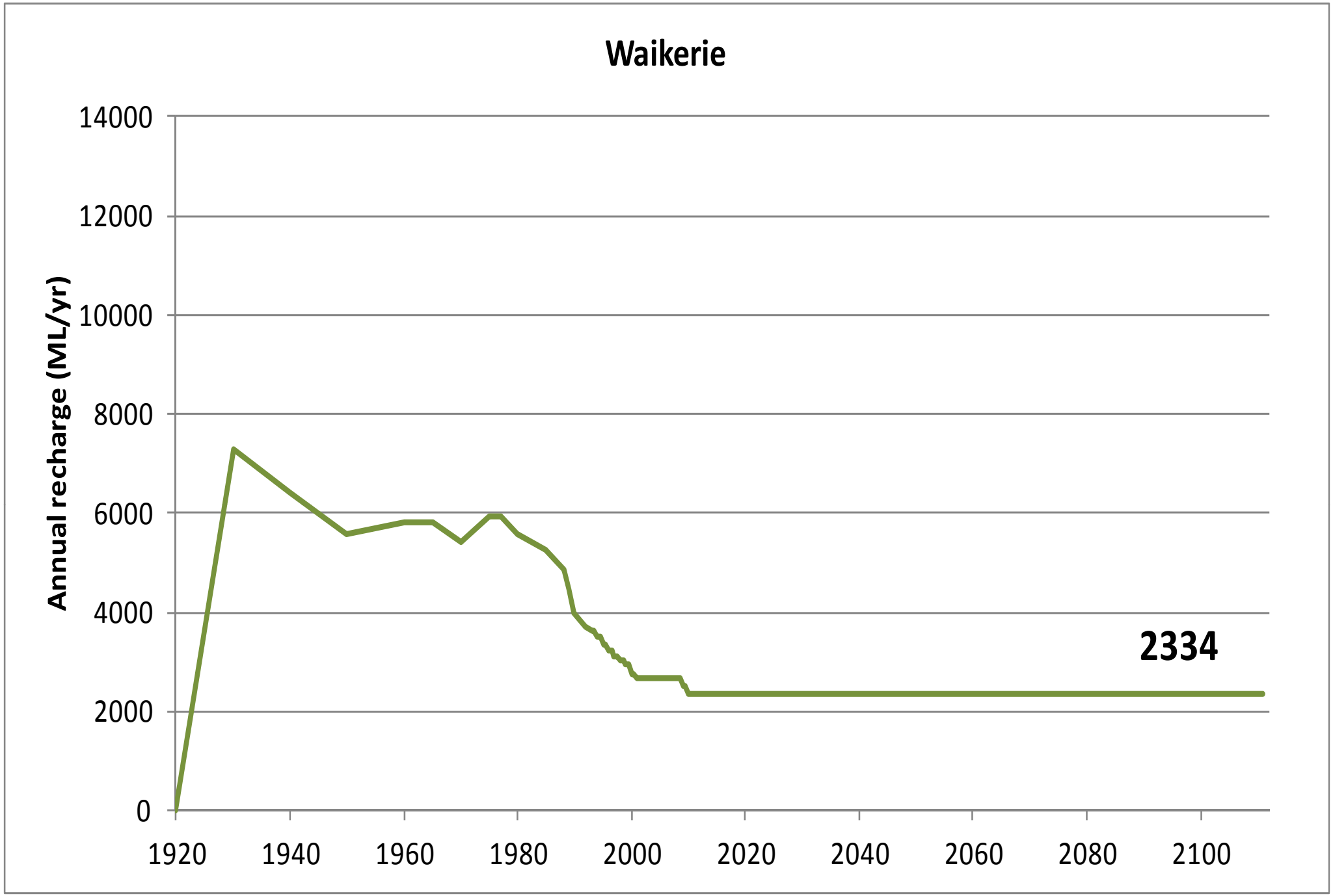
A-2 (S3a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Waikerie area (Scenario 3a)



A-2 (S3a). Total recharge volume applied in the Waikerie Area (Scenario 3a)

Waikerie				Pre 1988-Irrigation													Post-1988 Irrigation							
Irrigation Start Year				1890	1895	1910	1912	1920	1921	1950	1956	1959	1960	1965	1970	1980	1990	1995	1997	1999	2001	2003	2004	2007
Lag time (Years)				40	35	20	18	10	9	10	9	11	10	10	10	10	Future	Future	Future	Future	Future	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 2	Zone 3	Zone 4	Zone5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	420	420	420	420	300	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	370	370	370	370	250	370	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	320	320	320	320	230	320	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	320	320	320	320	210	320	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	320	320	320	320	190	320	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	280	280	280	280	170	280	150	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	260	260	260	260	140	260	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	240	240	240	240	140	240	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	220	220	220	220	130	220	150	150	100	100	130	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	200	200	200	200	130	200	140	140	90	90	130	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	180	180	180	180	120	180	120	120	70	70	120	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	170	170	170	170	120	170	120	120	70	70	120	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	165	165	165	165	110	165	120	120	70	70	110	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	160	160	160	160	110	160	120	120	70	70	110	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	155	155	155	155	100	155	120	120	70	70	100	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	150	150	150	150	90	150	120	120	70	70	90	70	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	145	145	145	145	80	145	120	120	70	70	80	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	140	140	140	140	70	140	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	135	135	135	135	70	135	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	130	130	130	130	70	130	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	125	125	125	125	70	125	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	120	120	120	120	70	120	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	110	110	110	110	70	110	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	100	100	100	100	70	100	100	100	50	50	70	50	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

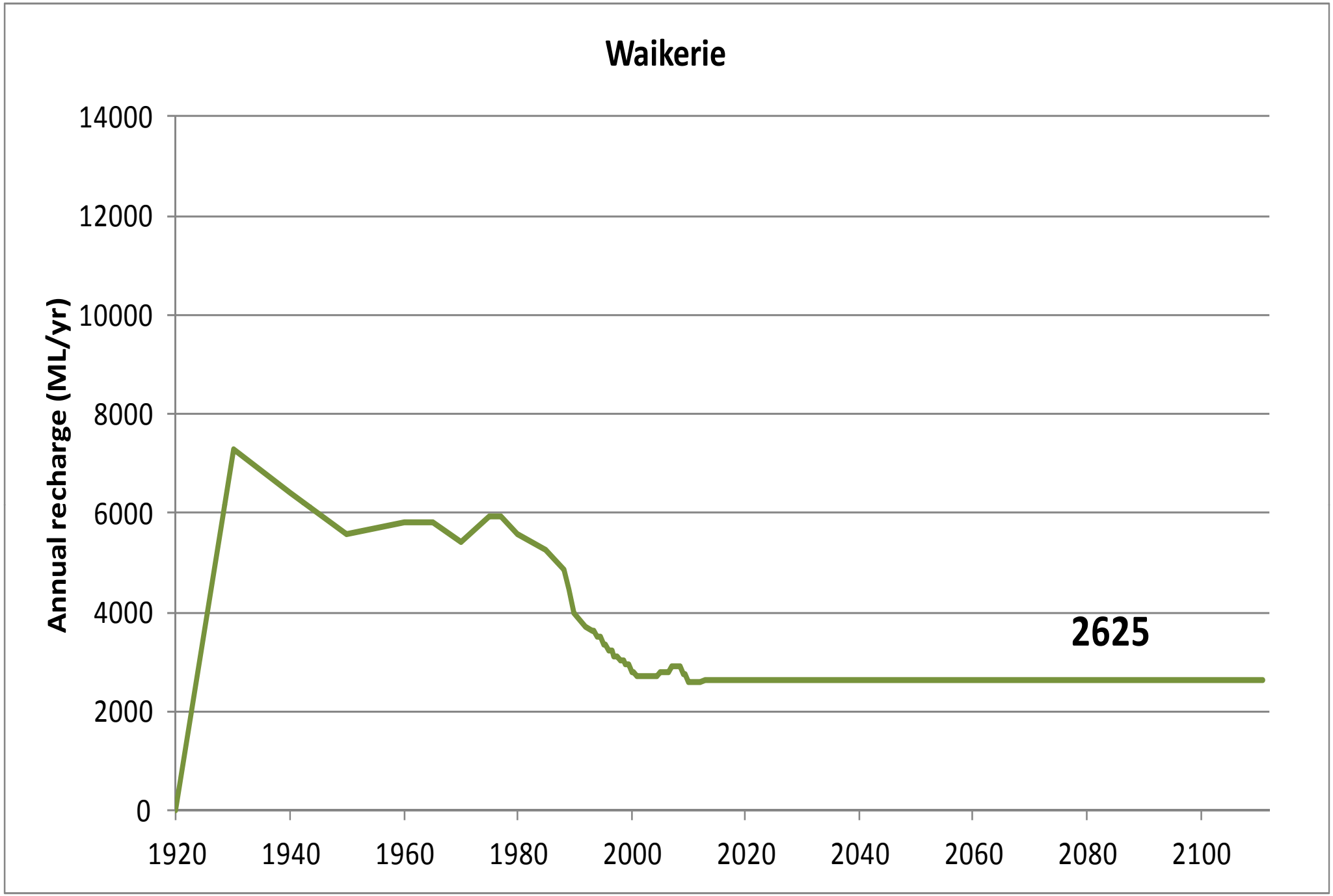
A-2 (S3c/S8b). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Waikerie area (Scenarios 3c and 8b(i,ii,iii,iv))



A-2 (S3c/S8b). Total recharge volume applied in Waikerie Area (Scenarios 3c and 8b(i,ii,iii,iv))

Waikerie				Pre 1988-Irrigation													Post-1988 Irrigation							
Irrigation Start Year				1890	1895	1910	1912	1920	1921	1950	1956	1959	1960	1965	1970	1980	1990	1995	1997	1999	2001	2003	2004	2007
Lag time (Years)				40	35	20	18	10	9	10	9	11	10	10	10	10	10	10	10	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 2	Zone 3	Zone 4	Zone5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	420	420	420	420	300	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	370	370	370	370	250	370	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	320	320	320	320	230	320	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	320	320	320	320	210	320	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	320	320	320	320	190	320	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	280	280	280	280	170	280	150	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	280	280	280	280	150	280	150	150	100	100	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	260	260	260	260	140	260	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	240	240	240	240	140	240	150	150	100	100	140	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	220	220	220	220	130	220	150	150	100	100	130	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	200	200	200	200	130	200	140	140	90	90	130	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	180	180	180	180	120	180	120	120	70	70	120	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	170	170	170	170	120	170	120	120	70	70	120	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	165	165	165	165	110	165	120	120	70	70	110	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	160	160	160	160	110	160	120	120	70	70	110	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	155	155	155	155	100	155	120	120	70	70	100	70	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	150	150	150	150	90	150	120	120	70	70	90	70	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	145	145	145	145	80	145	120	120	70	70	80	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	140	140	140	140	70	140	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	135	135	135	135	70	135	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	130	130	130	130	70	130	120	120	70	70	70	70	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	125	125	125	125	70	125	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	120	120	120	120	70	120	100	100	50	50	70	50	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	75	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	120	120	120	120	70	120	100	100	50	50	70	50	75	75	75	75	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	110	110	110	110	70	110	100	100	50	50	70	50	75	75	75	75	75	0.1	0.1	0.1	0.1
2010	2011	40179	40544	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	0.1	0.1	0.1	0.1
2011	2012	40544	40909	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	0.1	0.1	0.1
2013	2014	41275	41640	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	0.1	0.1	0.1
2014	2015	41640	42005	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	75	0.1	0.1
2015	2016	42005	42370	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	75	75	0.1
2016	2017	42370	42736	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	75	75	0.1
2017	2018	42736	43101	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	75	75	0.1
2018	2112	73781	77433	100	100	100	100	70	100	100	100	50	50	70	50	75	75	75	75	75	75	75	75	75

A-2 (S4/S8a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Waikerie area (Scenarios 4 and 8a)



A-2 (S4/S8a). Total recharge volume applied in Waikerie Area (Scenarios 4 and 8a(i,ii,iii,iv))

A-3 MODEL INPUT – QUALCO AREA

- Model scenario conditions
- Model recharge zones
- Zone number and recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

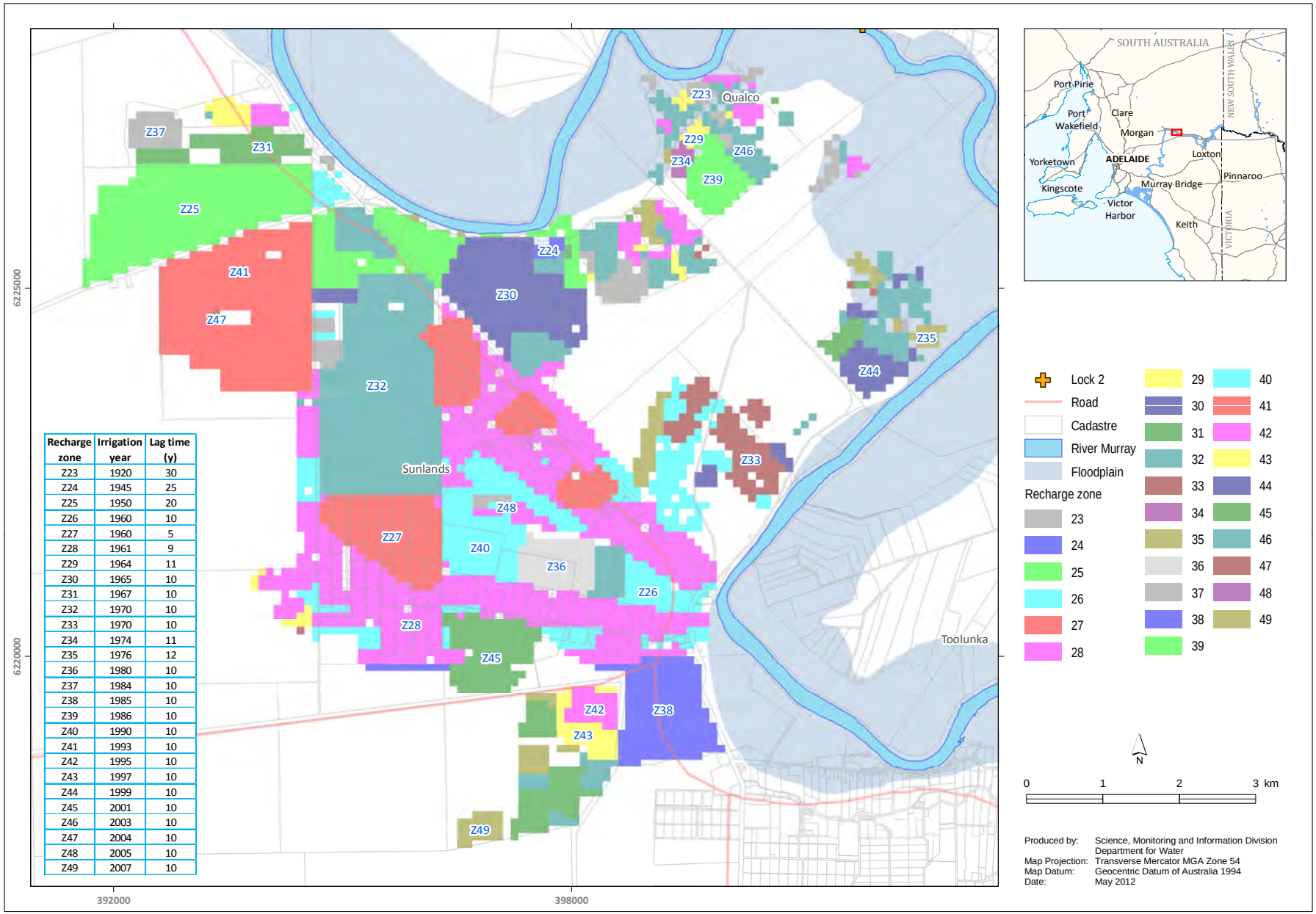
(Model recharge settings for Scenario 8a(i,ii,iii,iv) and 8b(i,ii,iii,iv) are equal to those for Scenarios 4 and 3c, respectively)

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3a	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3c	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8a(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8a(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8a(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8a(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8b(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8b(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8b(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8b(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2

IIP = Improved irrigation practices *RH = Rehabilitation of irrigation distribution networks* *SIS = Salt interception scheme*

CY = Current year *CY100 = 100 years from the current year*

A-3. Model scenario conditions

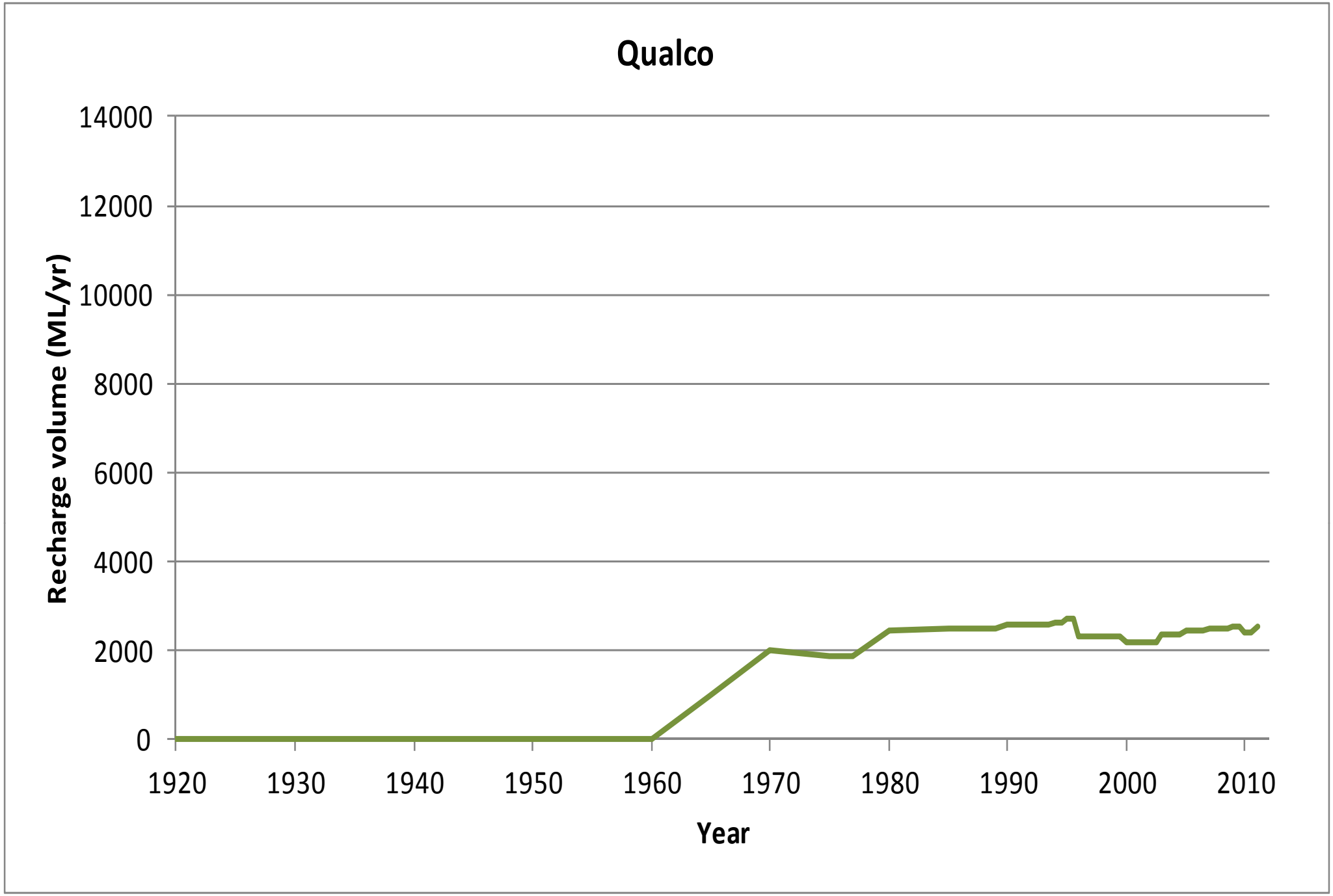


Recharge zone	Irrigation year	Lag time (y)
Z23	1920	30
Z24	1945	25
Z25	1950	20
Z26	1960	10
Z27	1960	5
Z28	1961	9
Z29	1964	11
Z30	1965	10
Z31	1967	10
Z32	1970	10
Z33	1970	10
Z34	1974	11
Z35	1976	12
Z36	1980	10
Z37	1984	10
Z38	1985	10
Z39	1986	10
Z40	1990	10
Z41	1993	10
Z42	1995	10
Z43	1997	10
Z44	1999	10
Z45	2001	10
Z46	2003	10
Z47	2004	10
Z48	2005	10
Z49	2007	10

A-3. Model recharge zones in Qualco area for all irrigation and SIS scenarios

Qualco				Pre -1988 Irrigation																	Post- 1988 Irrigation									
Irrigation Start Year				1920	1945	1950	1960	1960	1961	1964	1965	1967	1970	1970	1974	1976	1980	1984	1985	1986	1990	1993	1995	1997	1999	2001	2003	2004	2005	2007
Lag time (Years)				30	25	20	10	5	9	11	10	10	10	10	11	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 23	Zone 24	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48	Zone 49
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	100	0.1	0.1	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	100	100	100	60	350	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	100	60	250	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	90	90	90	60	250	60	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	90	90	90	60	250	60	60	60	60	60	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	90	90	90	60	250	60	60	60	60	60	220	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	50	75	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	0.1	0.1	0.1	0.1

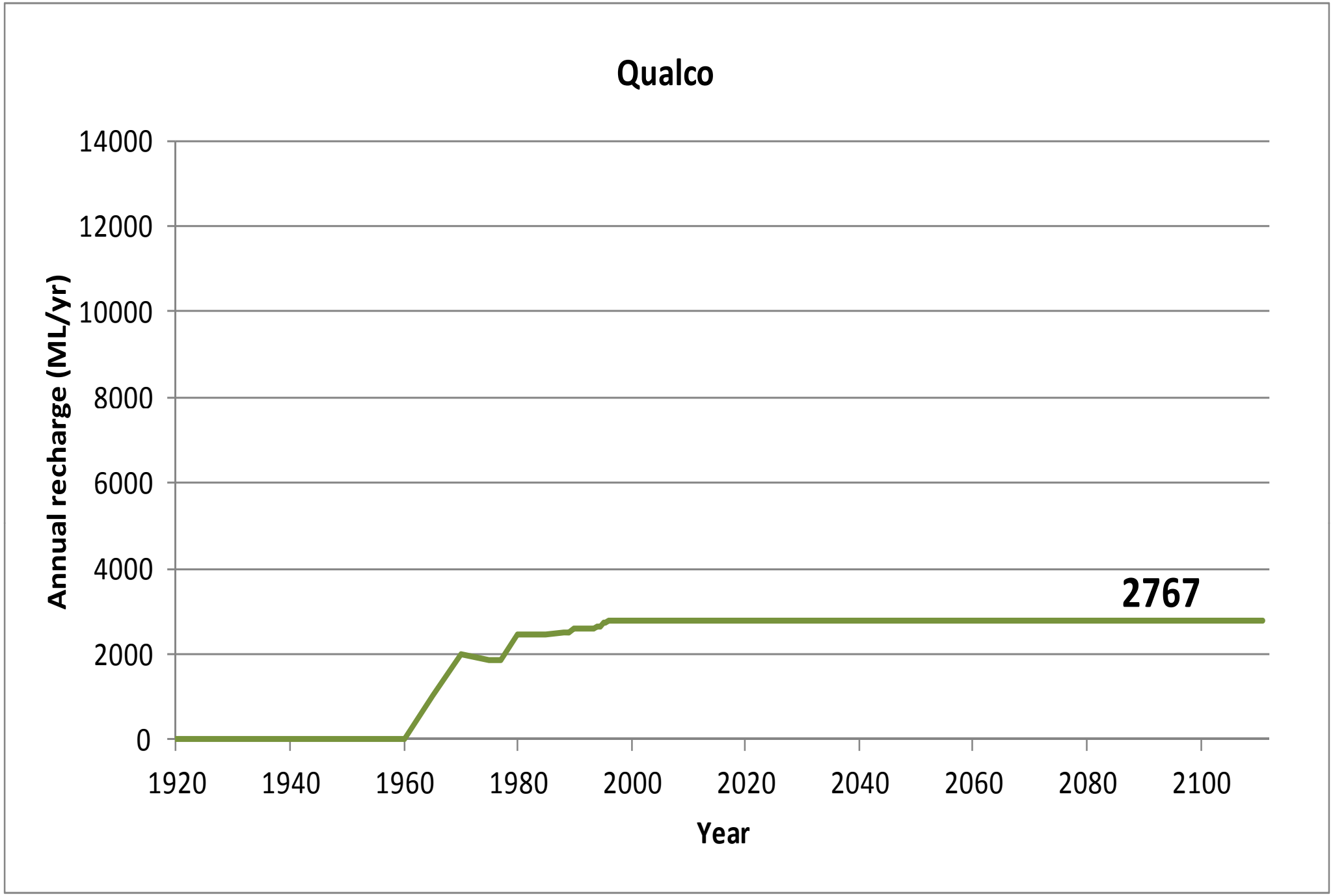
A-3 (Historical model). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Qualco area (Historical model)



A-3 (Historical model). Total recharge volume applied in Qualco area (Historical model)

Qualco				Pre 1988-Irrigation																	Post 1988-Irrigation									
Irrigation Start Year				1920	1945	1950	1960	1960	1961	1964	1965	1967	1970	1970	1974	1976	1980	1984	1985	1986	1990	1993	1995	1997	1999	2001	2003	2004	2005	2007
Lag time (Years)				30	25	20	10	5	9	11	10	10	10	10	11	12	10	10	10	10	Future	Future	Future	Future	Future	Future	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 23	Zone 24	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48	Zone 49
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	100	0.1	0.1	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	100	100	100	60	350	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	100	60	250	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	90	90	90	60	250	60	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	90	90	90	60	250	60	60	60	60	60	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	90	90	90	60	250	60	60	60	60	60	220	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

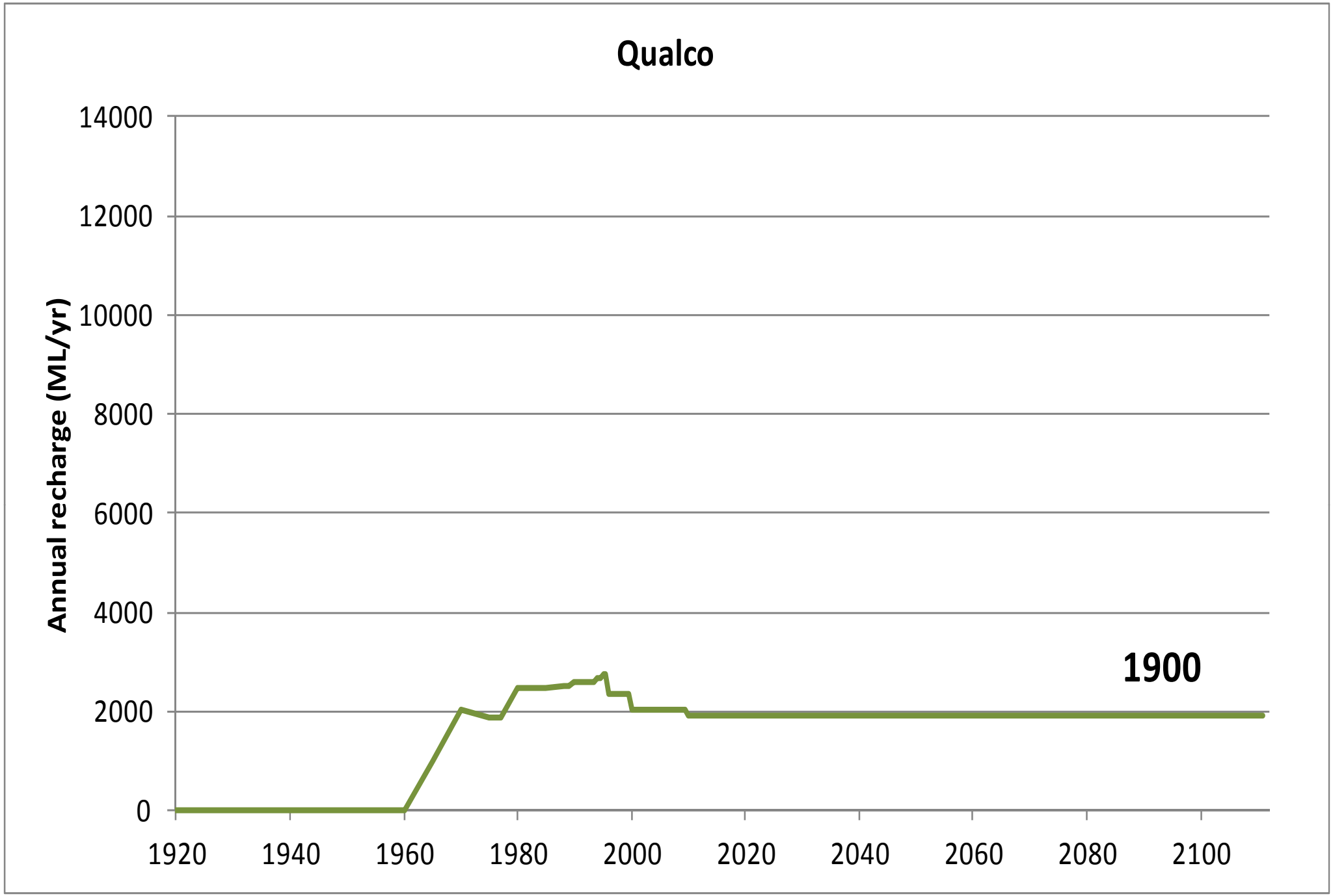
A-3 (S3a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Qualco area (Scenario 3a)



A-3 (S3a). Total recharge volume applied in the Qualco area (Scenario 3a)

Qualco				Pre 1988-Irrigation																	Post 1988-Irrigation									
Irrigation Start Year				1920	1945	1950	1960	1960	1961	1964	1965	1967	1970	1970	1974	1976	1980	1984	1985	1986	1990	1993	1995	1997	1999	2001	2003	2004	2005	2007
Lag time (Years)				30	25	20	10	5	9	11	10	10	10	10	11	12	10	10	10	10	Future	Future	Future	Future	Future	Future	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 23	Zone 24	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48	Zone 49
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	100	0.1	0.1	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	100	100	100	60	350	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	100	60	250	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	90	90	90	60	250	60	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	90	90	90	60	250	60	60	60	60	60	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	90	90	90	60	250	60	60	60	60	60	220	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

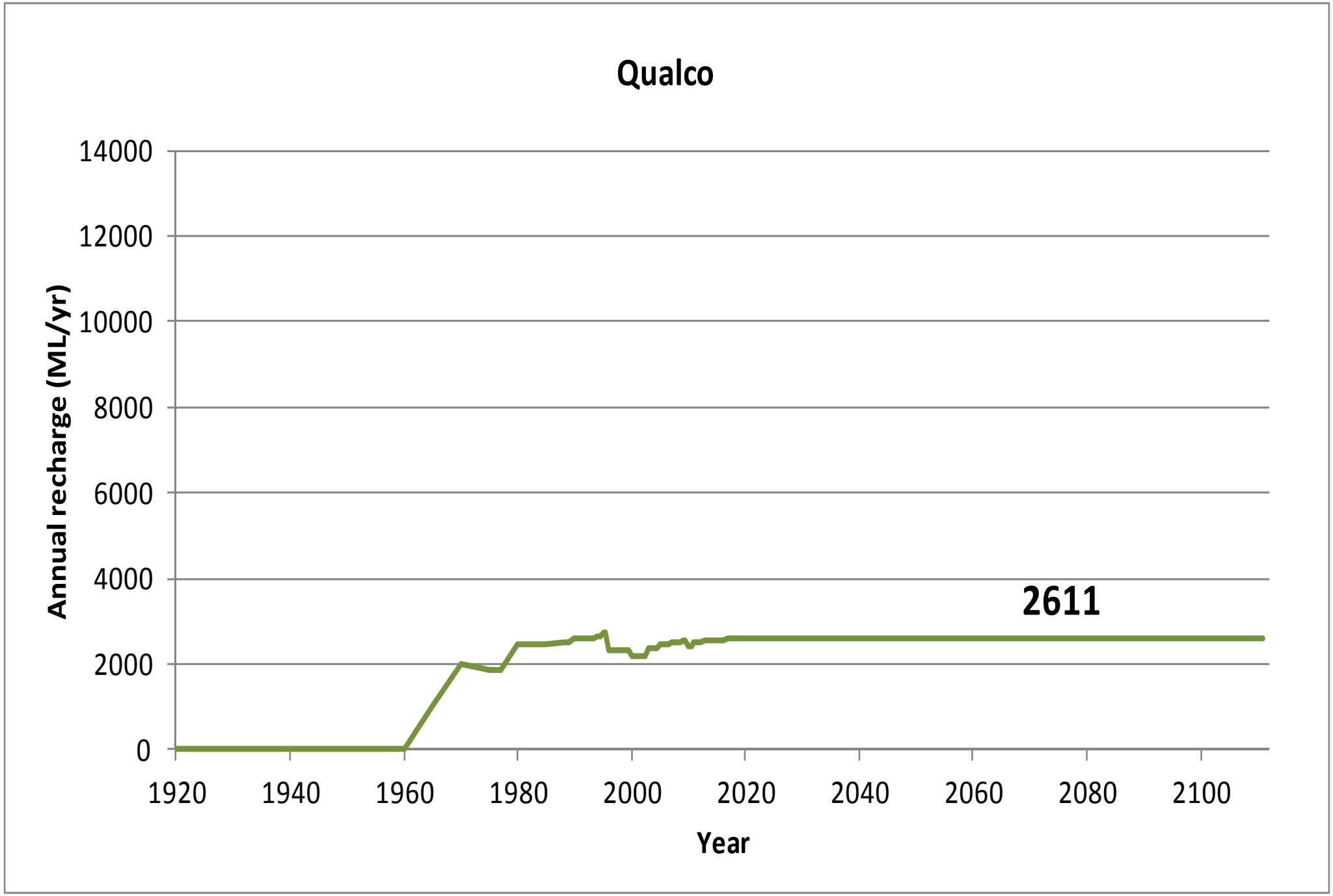
A-3 (S3c/S8b). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in Qualco area (Scenarios 3c and 8b(i,ii,iii,iv))



A-3 (S3c/S8b). Total recharge volume applied in the Qualco area (Scenarios 3c and 8b(i,ii,iii,iv))

Qualco				Pre 1988-Irrigation																	Post 1988-Irrigation									
Irrigation Start Year				1920	1945	1950	1960	1960	1961	1964	1965	1967	1970	1970	1974	1976	1980	1984	1985	1986	1990	1993	1995	1997	1999	2001	2003	2004	2005	2007
Lag time (Years)				30	25	20	10	5	9	11	10	10	10	10	11	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 23	Zone 24	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42	Zone 43	Zone 44	Zone 45	Zone 46	Zone 47	Zone 48	Zone 49
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	100	0.1	0.1	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	100	100	100	60	350	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	100	60	250	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	90	90	90	60	250	60	60	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	90	90	90	60	250	60	60	60	60	60	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	90	90	90	60	250	60	60	60	60	60	220	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	90	90	90	60	250	60	60	60	60	60	220	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	90	90	90	60	250	60	60	60	60	60	220	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	90	90	60	250	60	60	60	60	60	220	100	100	100	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	90	90	90	60	100	60	60	60	60	60	220	100	100	100	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	50	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	75	75	75	50	100	50	50	50	50	50	220	75	75	75	40	40	40	75	50	50	50	75	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	0.1	0.1	0.1	0.1
2013	2014	41275	41640	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	0.1	0.1	0.1	0.1
2014	2015	41640	42005	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	50	0.1	0.1	0.1
2015	2016	42005	42370	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	50	50	0.1	0.1
2016	2017	42370	42736	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	50	50	50	0.1
2017	2018	42736	43101	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	50	50	50	0.1
2018	2112	73781	77433	75	75	75	50	100	50	50	50	50	50	100	75	75	75	40	40	40	75	50	50	50	75	50	50	50	50	50

A-3 (S4/S8a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Qualco area (Scenarios 4 and 8a(i,ii,iii,iv))



A-3 (S4/S8a). Total recharge volume applied in the Qualco area (Scenarios 4 and 8a(i,ii,iii,iv))

A-4 MODEL INPUT – CADELL AREA

- Model scenario conditions
- Model recharge zones
- Zone number and recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

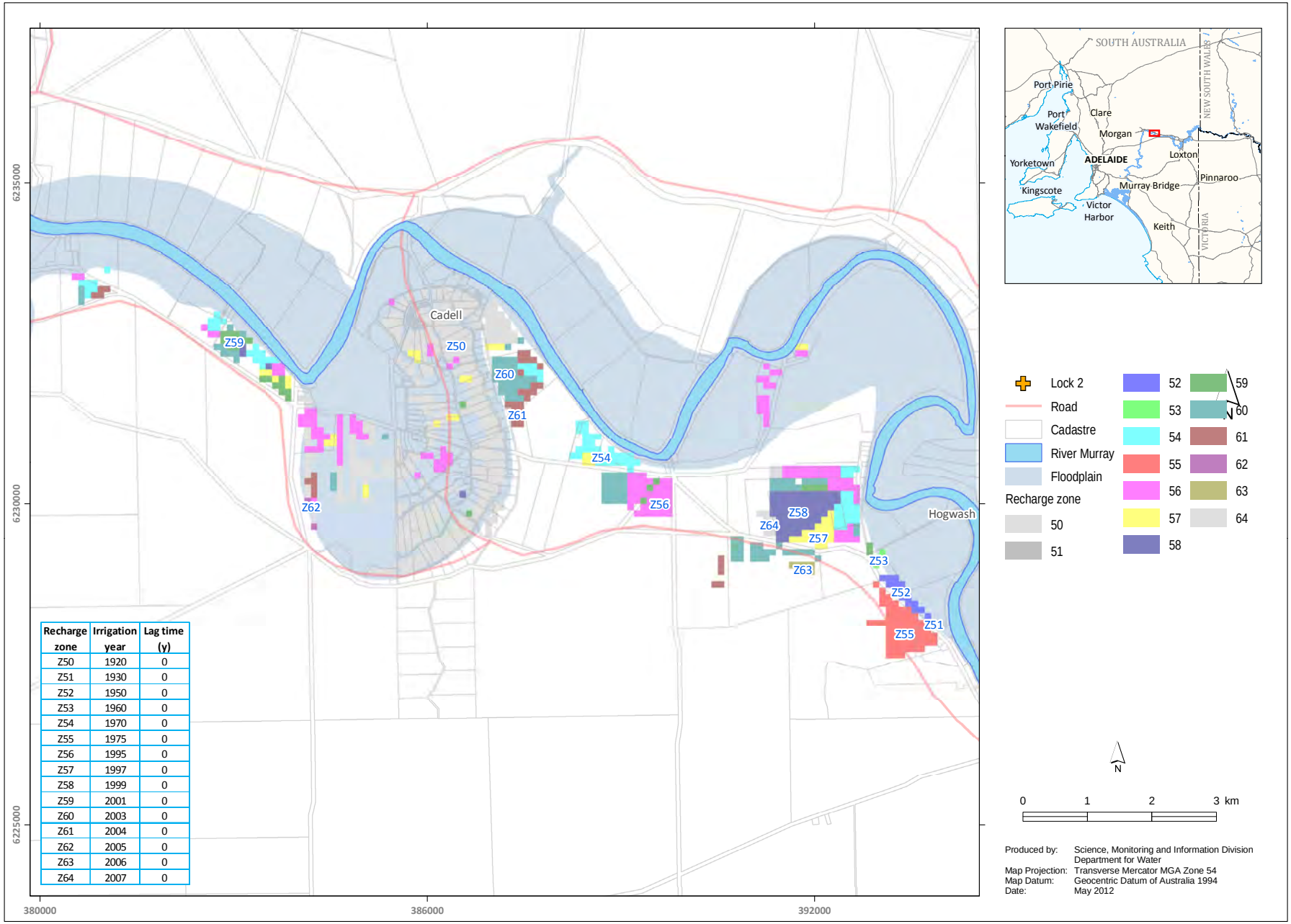
(Model recharge settings for Scenario 8a(i,ii,iii,iv) and 8b(i,ii,iii,iv) are equal to those for Scenarios 4 and 3c, respectively)

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3a	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3c	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8a(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8a(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8a(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8a(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8b(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8b(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8b(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8b(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2

IIP = Improved irrigation practices *RH = Rehabilitation of irrigation distribution networks* *SIS = Salt interception scheme*

CY = Current year *CY100 = 100 years from the current year*

A-4. Model scenario conditions

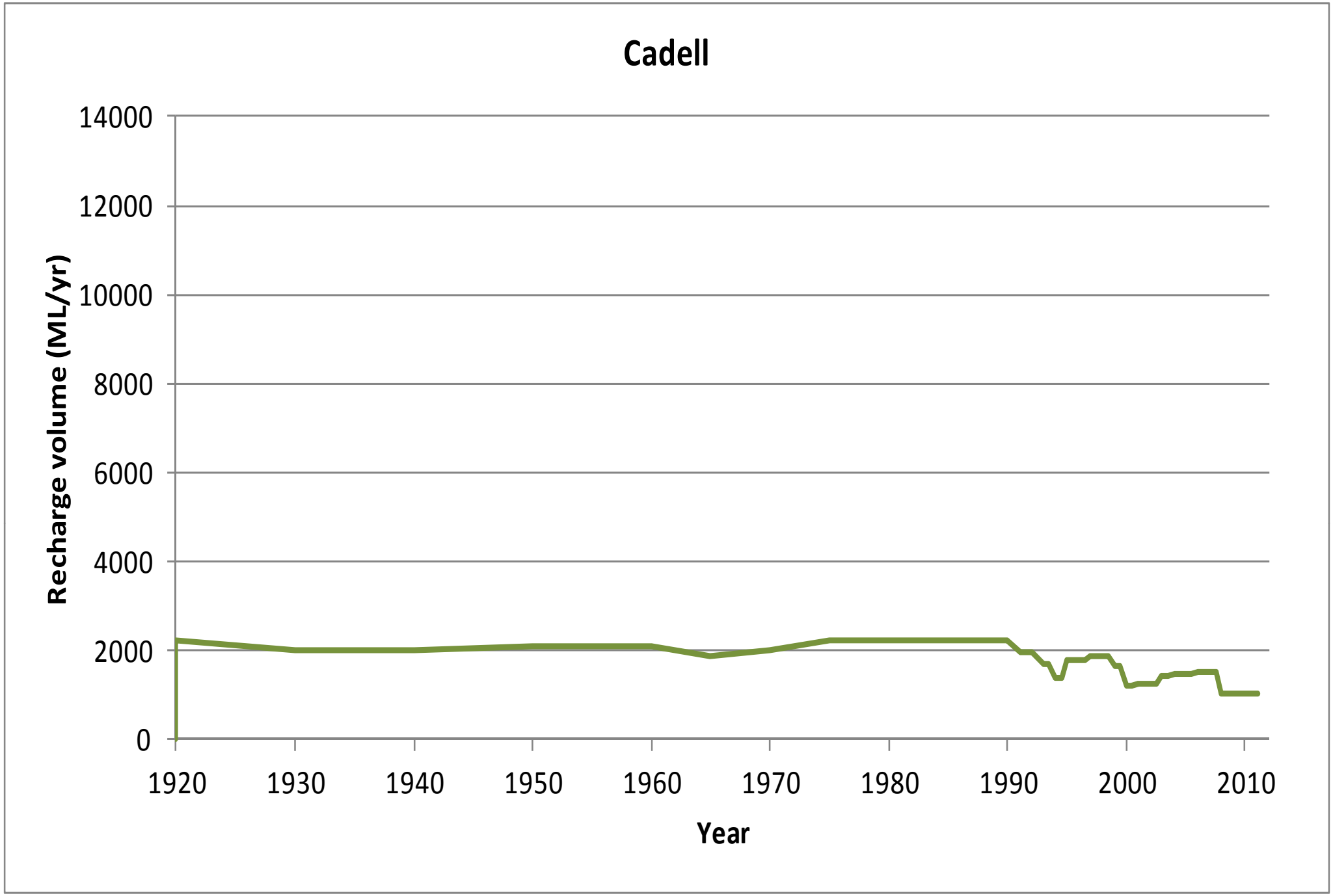


Recharge zone	Irrigation year	Lag time (y)
Z50	1920	0
Z51	1930	0
Z52	1950	0
Z53	1960	0
Z54	1970	0
Z55	1975	0
Z56	1995	0
Z57	1997	0
Z58	1999	0
Z59	2001	0
Z60	2003	0
Z61	2004	0
Z62	2005	0
Z63	2006	0
Z64	2007	0

A-4. Model recharge zones in Cadell area for all irrigation and SIS scenarios

Cadell				Pre 1988-Irrigation						Post 1988- Irrigation								
Irrigation Start Year				1920	1930	1950	1960	1970	1975	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	550	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	350	350	350	350	350	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	350	350	350	350	350	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	300	300	300	300	300	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	250	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	250	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	200	200	200	200	200	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	150	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1
2004	2005	37987	38353	150	150	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1
2005	2006	38353	38718	150	150	150	150	150	150	150	150	150	150	150	150	150	0.1	0.1
2006	2007	38718	39083	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0.1
2007	2008	39083	39448	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2008	2009	39448	39814	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2009	2010	39814	40179	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2010	2011	40179	40544	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2011	2012	40544	40909	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

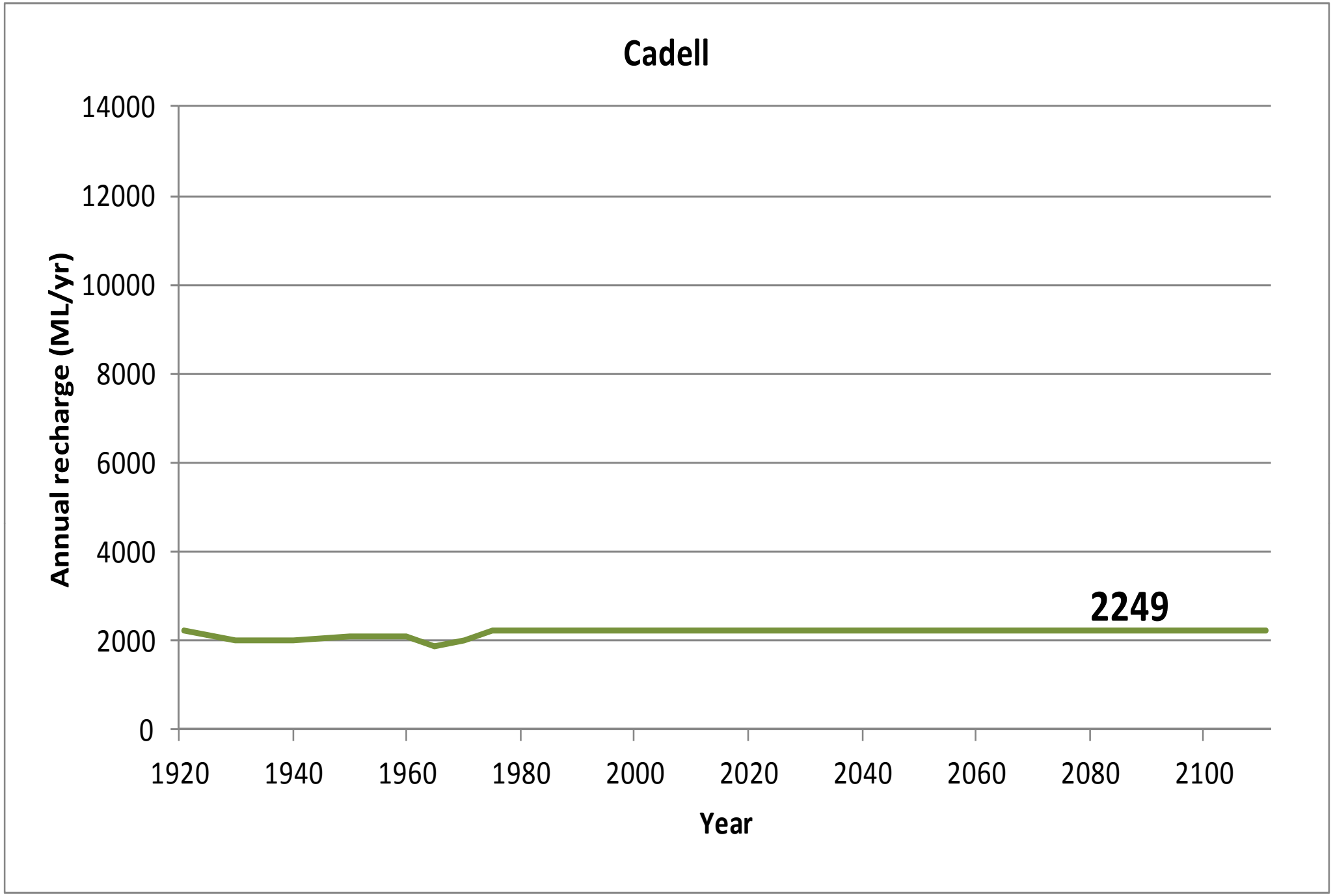
A-4 (Historical model). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Cadell area (Historical model)



A-4 (Historical model). Total recharge volume applied in the Cadell area (Historical model)

Cadell				Pre 1988-Irrigation						Post 1988- Irrigation								
Irrigation Start Year				1920	1930	1950	1960	1970	1975	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				0	0	0	0	0	0	Future	Future	Future	Future	Future	Future	Future	Future	Future
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	550	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

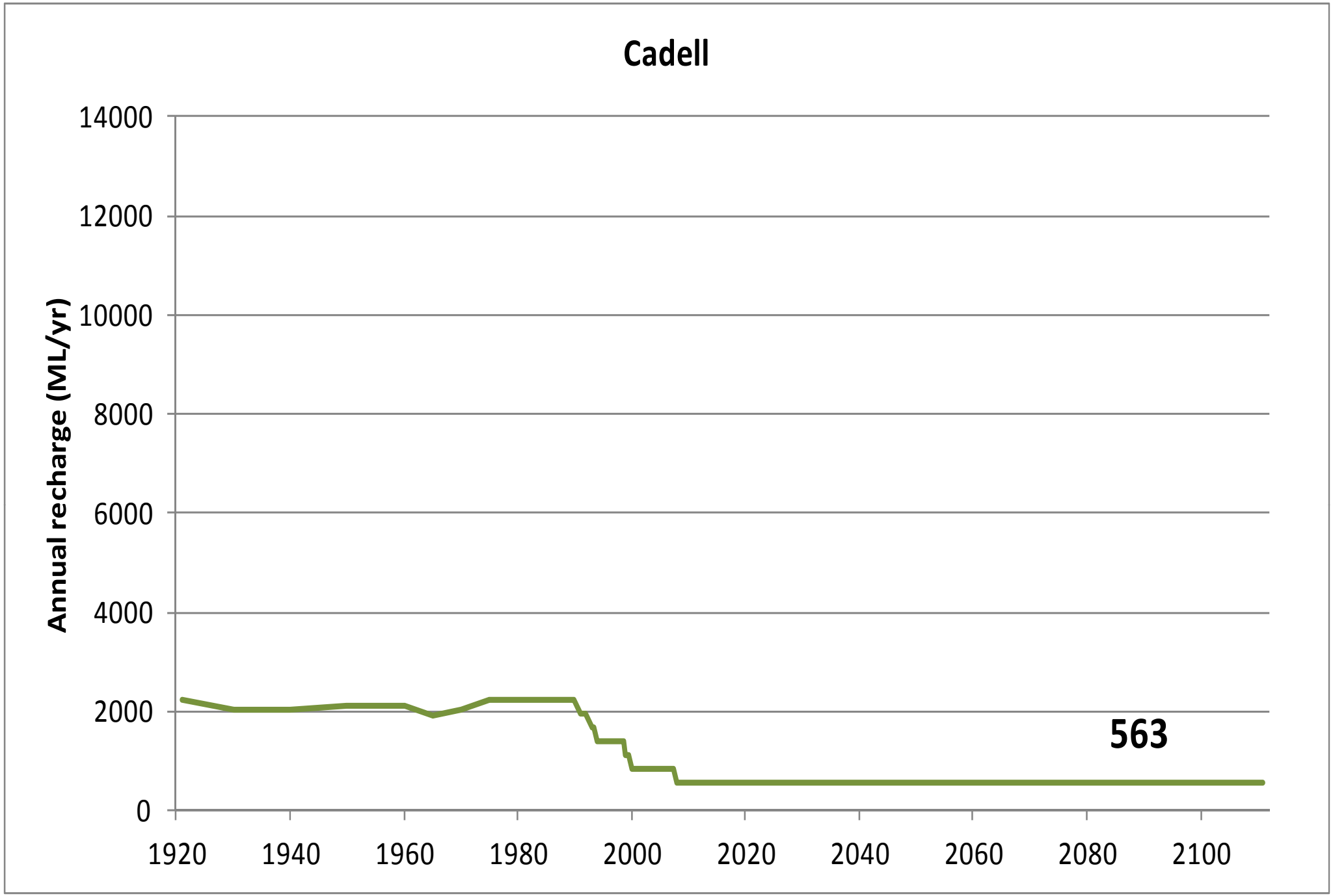
A-4 (S3a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Cadell area (Scenario 3a)



A-4 (S3a). Total recharge volume applied in the Cadell area (Scenario 3a)

Cadell				Pre 1988-Irrigation						Post 1988- Irrigation								
Irrigation Start Year				1920	1930	1950	1960	1970	1975	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				0	0	0	0	0	0	Future	Future	Future	Future	Future	Future	Future	Future	Future
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	550	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	350	350	350	350	350	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	350	350	350	350	350	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	300	300	300	300	300	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	200	200	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

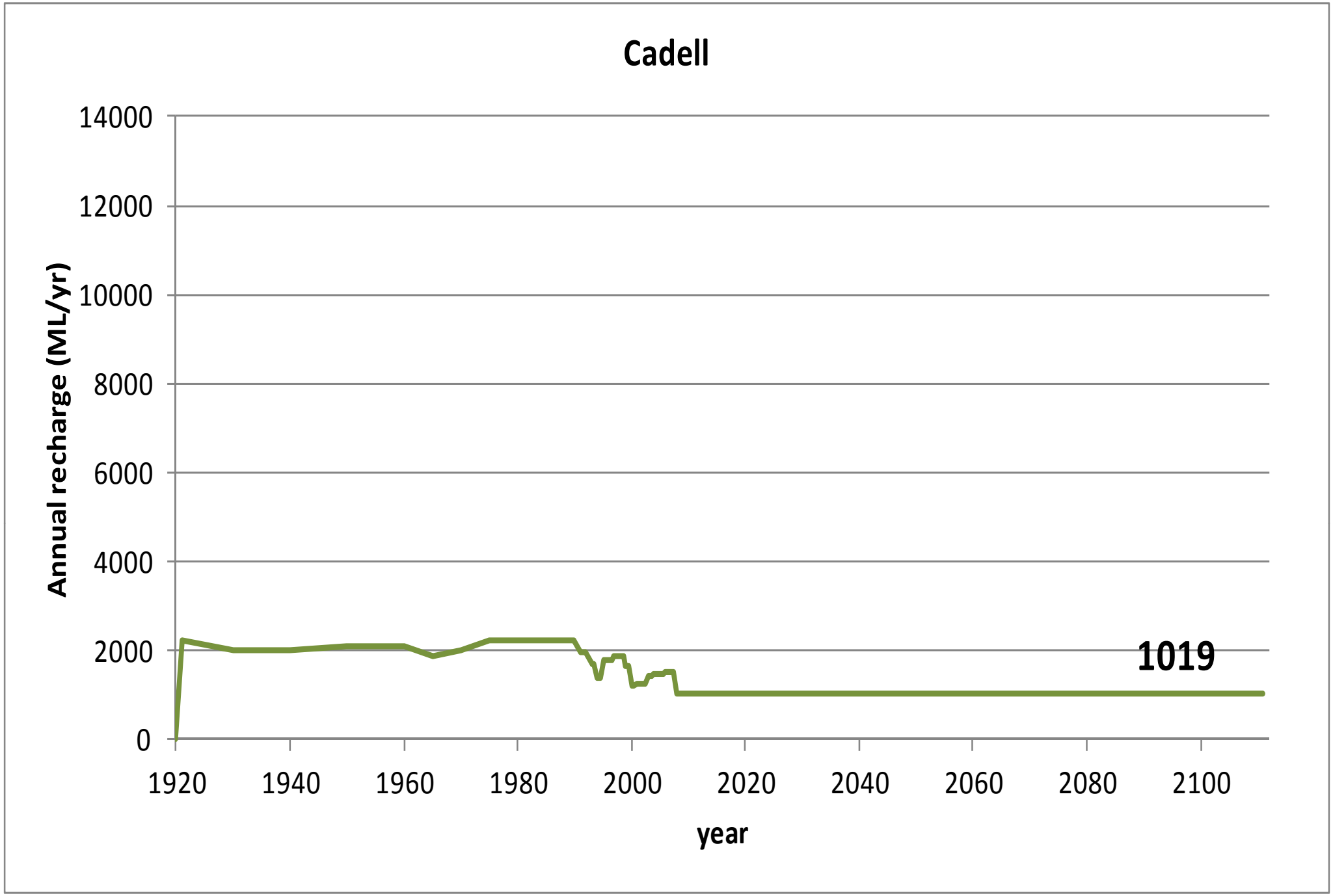
A-4 (S3c/S8b). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Cadell area (Scenarios 3c and 8b(i,ii,iii,iv))



A-4(S3c/S8b). Total recharge volume applied in the Cadell area (Scenarios 3c and 8b(i,ii,iii,iv))

Cadell				Pre 1988-Irrigation						Post 1988- Irrigation								
Irrigation Start Year				1920	1930	1950	1960	1970	1975	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56	Zone 57	Zone 58	Zone 59	Zone 60	Zone 61	Zone 62	Zone 63	Zone 64
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	550	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	400	400	400	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	350	350	350	350	350	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	350	350	350	350	350	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	300	300	300	300	300	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	250	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	250	250	250	250	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	200	200	200	200	200	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	150	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1	0.1
2004	2005	37987	38353	150	150	150	150	150	150	150	150	150	150	150	150	0.1	0.1	0.1
2005	2006	38353	38718	150	150	150	150	150	150	150	150	150	150	150	150	150	0.1	0.1
2006	2007	38718	39083	150	150	150	150	150	150	150	150	150	150	150	150	150	150	0.1
2007	2008	39083	39448	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
2008	2009	39448	39814	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2009	2010	39814	40179	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2010	2011	40179	40544	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2011	2012	40544	40909	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2013	2014	41275	41640	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2014	2015	41640	42005	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2015	2016	42005	42370	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2016	2017	42370	42736	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2017	2018	42736	43101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2018	2112	73781	77433	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

A-4 (S4/S8a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Cadell area (Scenarios 4 and 8a(i,ii,iii,iv))



A-4 (S4/S8a). Total recharge volume applied in the Cadell area (Scenarios 4 and 8a(i,ii,iii,iv))

A-5 MODEL INPUT – TAYLORVILLE AREA

- Model scenario conditions
- Model recharge zones
- Zone number and recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

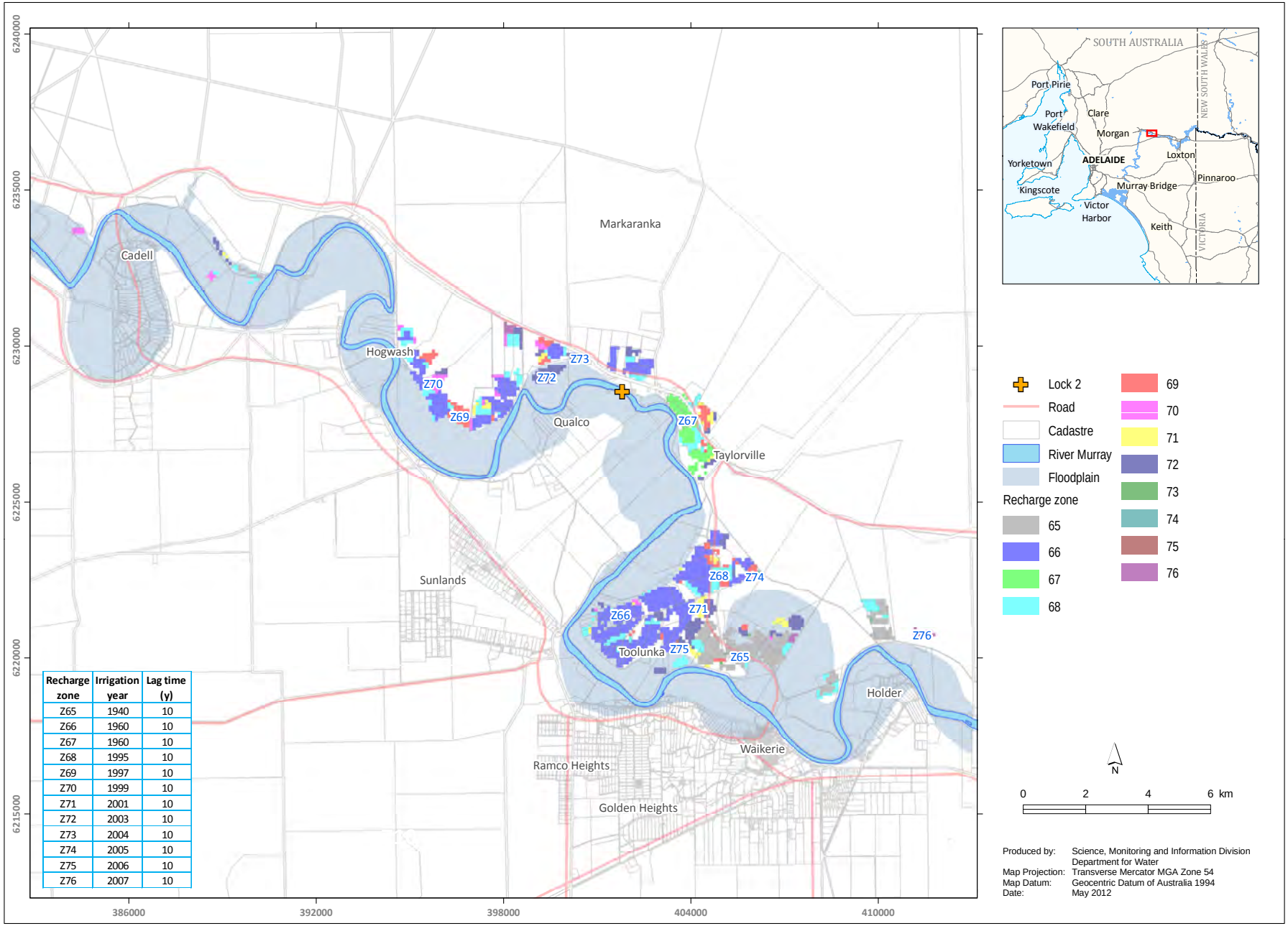
(Model recharge settings for Scenario 8a(i,ii,iii,iv) and 8b(i,ii,iii,iv) are equal to those for Scenarios 4 and 3c, respectively)

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3a	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3c	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8a(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8a(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8a(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8a(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8b(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8b(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8b(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8b(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2

IIP = Improved irrigation practices *RH = Rehabilitation of irrigation distribution networks* *SIS = Salt interception scheme*

CY = Current year *CY100 = 100 years from the current year*

A-5. Model scenario conditions

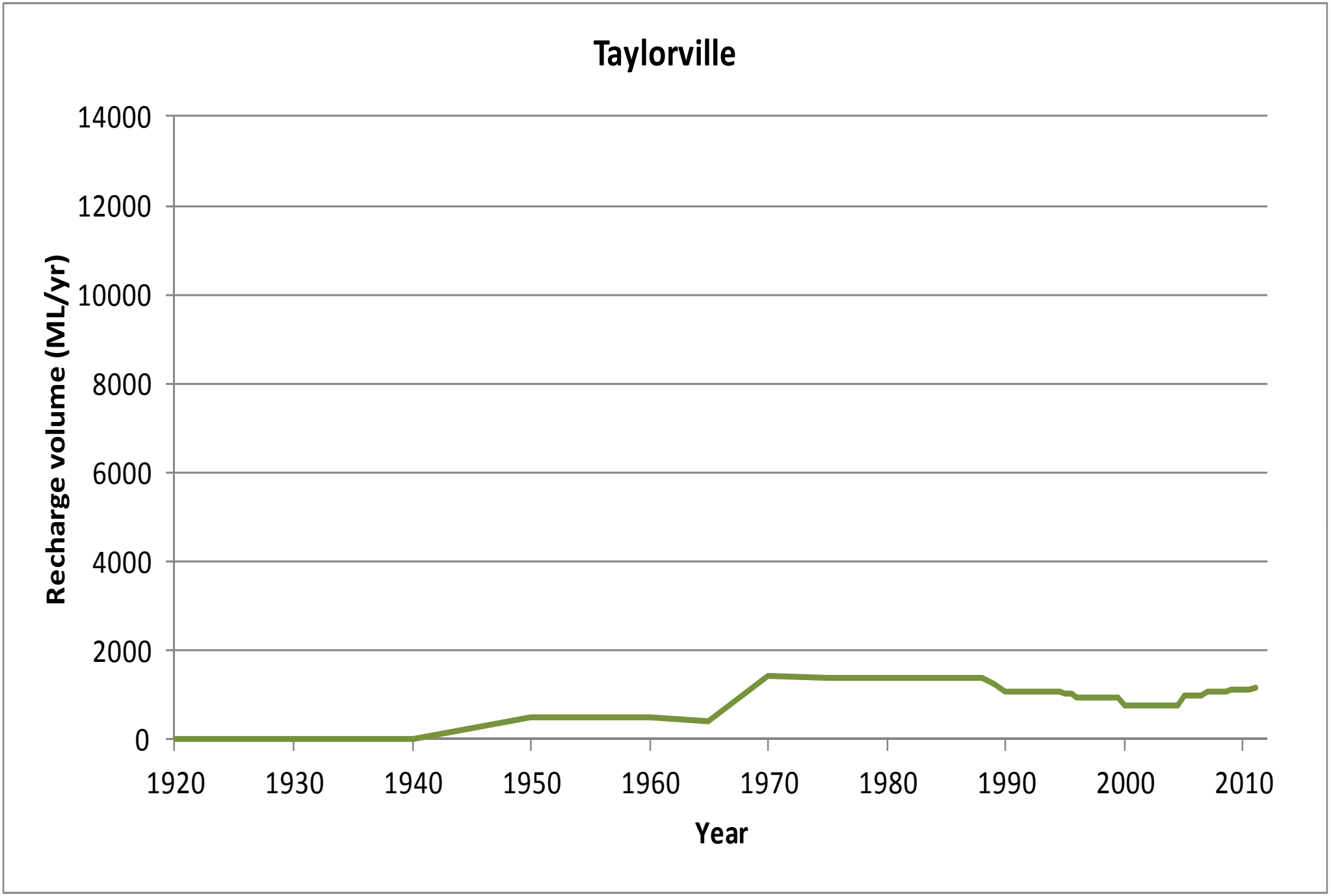


Recharge zone	Irrigation year	Lag time (y)
Z65	1940	10
Z66	1960	10
Z67	1960	10
Z68	1995	10
Z69	1997	10
Z70	1999	10
Z71	2001	10
Z72	2003	10
Z73	2004	10
Z74	2005	10
Z75	2006	10
Z76	2007	10

A-5. Model recharge zones in the Taylorville area for all irrigation and SIS scenarios

Taylorvill				Pre-1988 Irrigation			Post-1988 Irrigation								
Irrigation Start Year				1940	1960	1960	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				10	10	10	10	10	10	10	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 65	Zone 66	Zone 67	Zone 68	Zone 69	Zone 70	Zone 71	Zone 72	Zone 73	Zone 74	Zone 75	Zone 76
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	110	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	100	90	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	70	180	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	100	70	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	75	70	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	75	70	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	75	70	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	75	70	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	75	50	100	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	75	50	100	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	75	50	100	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	75	50	100	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	75	50	100	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	75	50	100	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	75	50	100	75	75	75	50	0.1	0.1	0.1	0.1	0.1

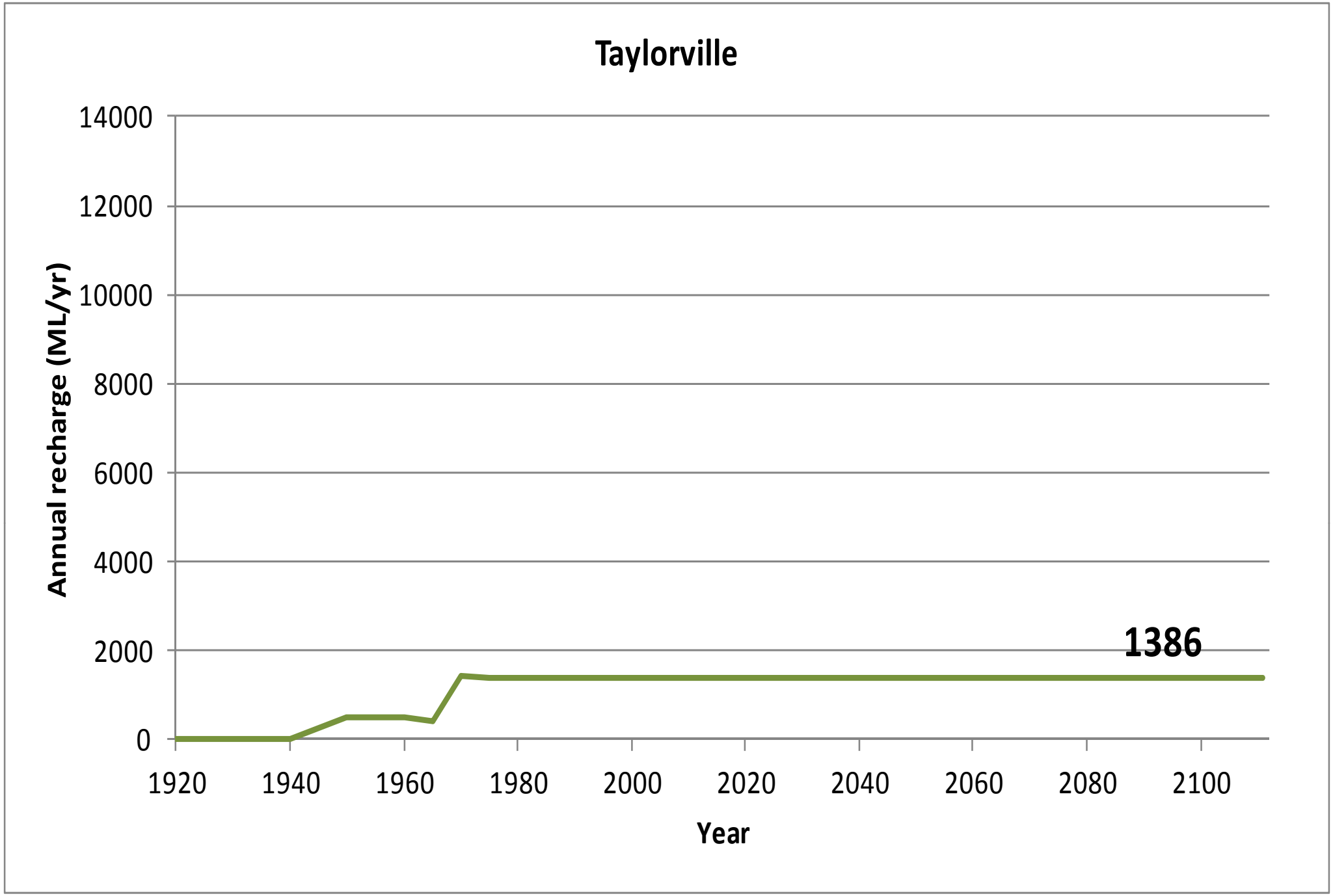
A-5 (Historical model). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Taylorville area (Historical model)



A-5 (Historical model). Total recharge volume applied in the Taylorville area (Historical model)

Taylorvill				Pre-1988 Irrigation			Post-1988 Irrigation								
Irrigation Start Year				1940	1960	1960	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				10	10	10	Future	Future	Future	Future	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 65	Zone 66	Zone 67	Zone 68	Zone 69	Zone 70	Zone 71	Zone 72	Zone 73	Zone 74	Zone 75	Zone 76
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	110	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

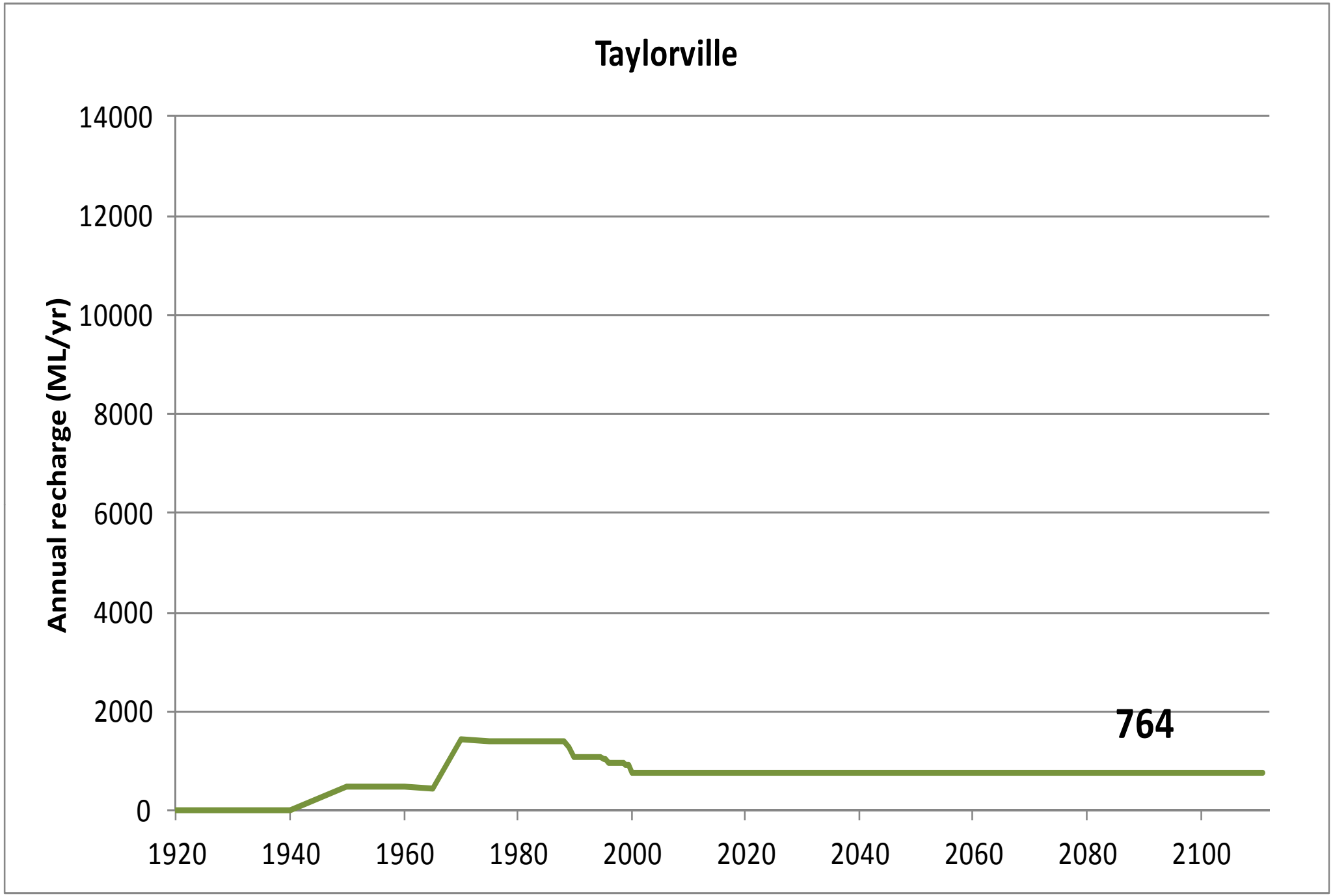
A-5 (S3a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Taylorville area (Scenario 3a)



A-5 (S3a). Total recharge volume applied in the Taylorville area (Scenario 3a)

Taylorvill				Pre-1988 Irrigation			Post-1988 Irrigation								
Irrigation Start Year				1940	1960	1960	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				10	10	10	Future	Future	Future	Future	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 65	Zone 66	Zone 67	Zone 68	Zone 69	Zone 70	Zone 71	Zone 72	Zone 73	Zone 74	Zone 75	Zone 76
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	110	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	100	90	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	70	180	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	100	70	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	75	70	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	75	70	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	75	70	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	75	70	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	73781	77433	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

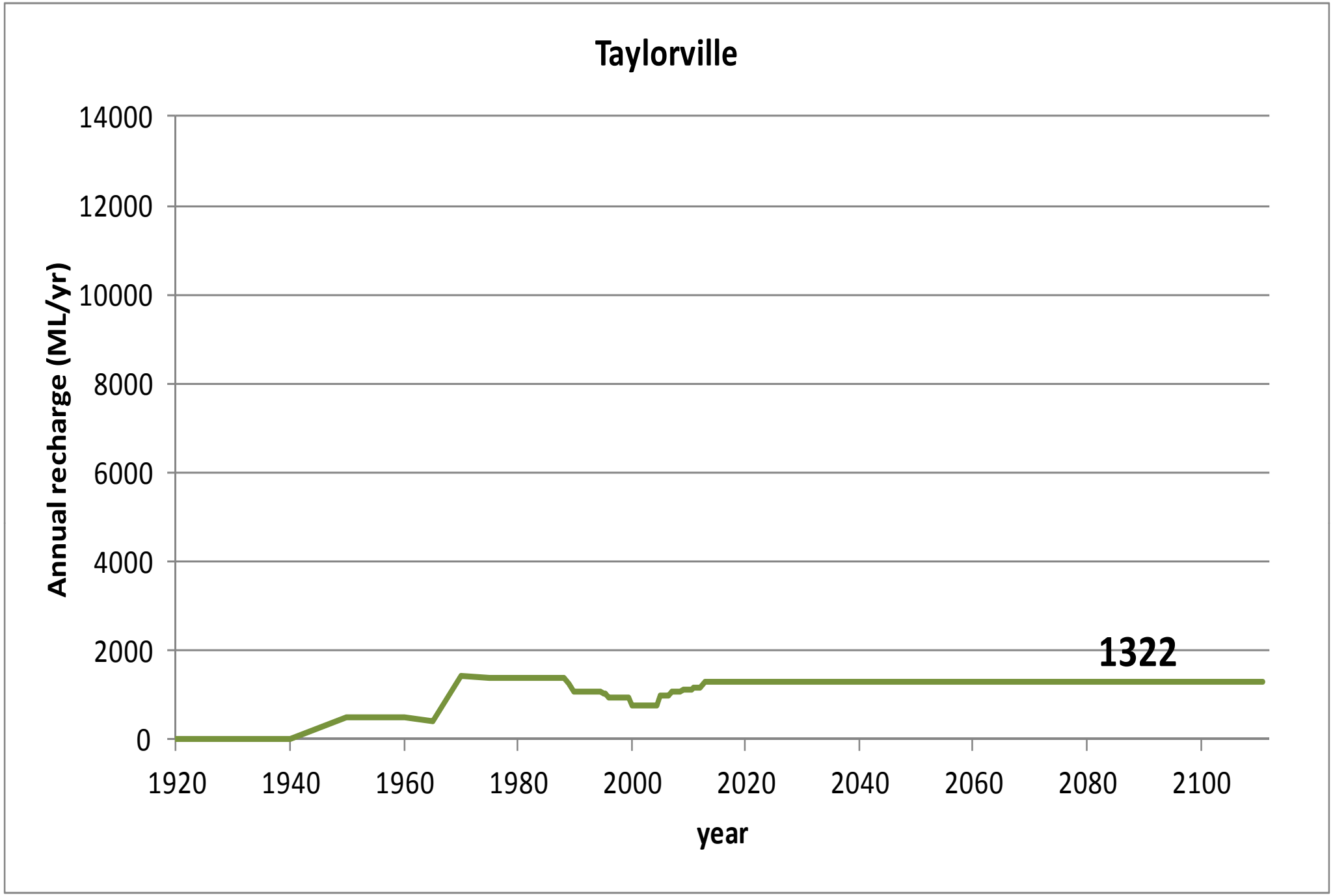
A-5 (S3c/S8b). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Taylorville area (Scenarios 3c and 8b(i,ii,iii,iv))



A-5 (S3c/S8b). Total recharge volume applied in the Taylorville Area (Scenarios 3c and 8b(i,ii,iii,iv))

Taylorvill				Pre-1988 Irrigation			Post-1988 Irrigation								
Irrigation Start Year				1940	1960	1960	1995	1997	1999	2001	2003	2004	2005	2006	2007
Lag time (Years)				10	10	10	10	10	10	10	10	10	10	10	10
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone 65	Zone 66	Zone 67	Zone 68	Zone 69	Zone 70	Zone 71	Zone 72	Zone 73	Zone 74	Zone 75	Zone 76
Steady-state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1930	7306	10959	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1930	1940	10959	14611	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1950	14611	18264	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1960	18264	21916	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1960	1965	21916	23743	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1970	23743	25569	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	25569	27395	110	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	27395	28126	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1980	28126	29221	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1985	29221	31048	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1988	31048	32143	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	32143	32509	100	100	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	32509	32874	100	90	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	70	180	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	100	70	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	100	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	90	70	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	75	70	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	75	70	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	75	70	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	75	70	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	75	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	75	50	100	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	75	50	100	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	75	50	100	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	75	50	100	75	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	75	50	100	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	75	50	100	75	75	75	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	75	50	100	75	75	75	50	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	75	50	100	75	75	75	50	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	75	50	100	75	75	75	50	50	0.1	0.1	0.1	0.1
2015	2016	42005	42370	75	50	100	75	75	75	50	50	50	0.1	0.1	0.1
2016	2017	42370	42736	75	50	100	75	75	75	50	50	50	50	0.1	0.1
2017	2018	42736	43101	75	50	100	75	75	75	50	50	50	50	50	0.1
2018	2112	73781	77433	75	50	100	75	75	75	50	50	50	50	50	50

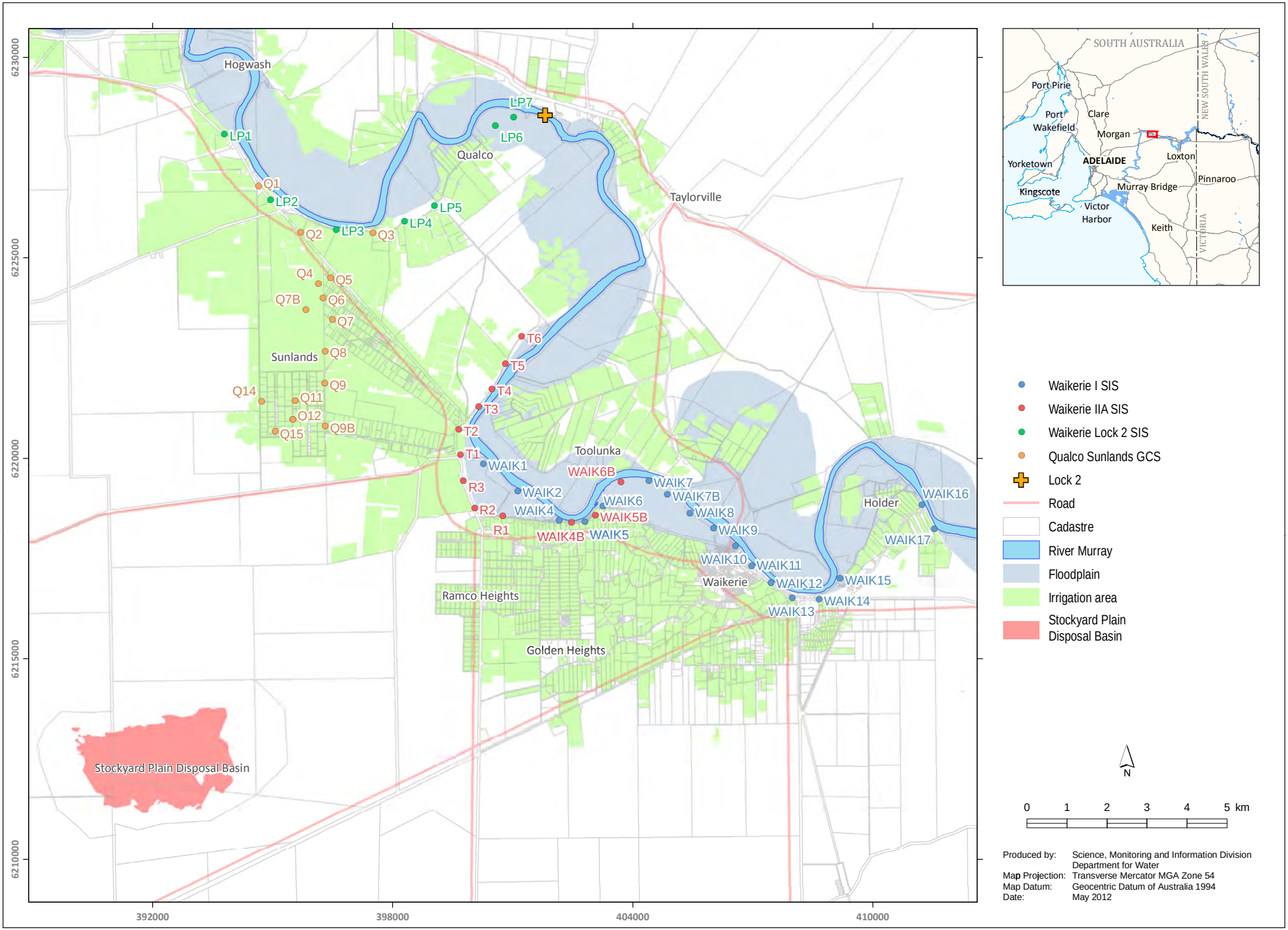
A-5 (S4/S8a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/y) in the Taylorville area (Scenarios 4 and 8a(i,ii,iii,iv))



A-5 (S4/S8a). Total recharge volume applied in the Taylorville Area (Scenarios 4 and 8a(i,ii,iii,iv))

A-6 HISTORICAL MODEL INPUT – PUMPING RATES FOR WAIKERIE I SIS

- Location of pumping wells
- Model pumping rates



A-6. SIS and GCS pumping well location

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK1	400222	6219868	Steady-state	33970	-	1/01/1993	0.0	0.0	-26.0	-48.2
WAIK1	400222	6219868	33970	34151	1/01/1993	1/07/1993	306.8	3.6	-26.0	-48.2
WAIK1	400222	6219868	34151	34516	1/07/1993	1/07/1994	389.6	4.5	-26.0	-48.2
WAIK1	400222	6219868	34516	34881	1/07/1994	1/07/1995	531.1	6.1	-26.0	-48.2
WAIK1	400222	6219868	34881	35247	1/07/1995	1/07/1996	562.2	6.5	-26.0	-48.2
WAIK1	400222	6219868	35247	35612	1/07/1996	1/07/1997	413.8	4.8	-26.0	-48.2
WAIK1	400222	6219868	35612	35977	1/07/1997	1/07/1998	222.8	2.6	-26.0	-48.2
WAIK1	400222	6219868	35977	36342	1/07/1998	1/07/1999	334.2	3.9	-26.0	-48.2
WAIK1	400222	6219868	36342	36708	1/07/1999	1/07/2000	436.1	5.0	-26.0	-48.2
WAIK1	400222	6219868	36708	37073	1/07/2000	1/07/2001	330.7	3.8	-26.0	-48.2
WAIK1	400222	6219868	37073	37257	1/07/2001	1/01/2002	330.7	3.8	-26.0	-48.2
WAIK1	400222	6219868	37257	37438	1/01/2002	1/07/2002	518.5	6.0	-26.0	-48.2
WAIK1	400222	6219868	37438	37622	1/07/2002	1/01/2003	518.5	6.0	-26.0	-48.2
WAIK1	400222	6219868	37622	37803	1/01/2003	1/07/2003	395.5	4.6	-26.0	-48.2
WAIK1	400222	6219868	37803	37987	1/07/2003	1/01/2004	494.5	5.7	-26.0	-48.2
WAIK1	400222	6219868	37987	38169	1/01/2004	1/07/2004	429.7	5.0	-26.0	-48.2
WAIK1	400222	6219868	38169	38353	1/07/2004	1/01/2005	337.7	3.9	-26.0	-48.2
WAIK1	400222	6219868	38353	38534	1/01/2005	1/07/2005	411.8	4.8	-26.0	-48.2
WAIK1	400222	6219868	38534	38718	1/07/2005	1/01/2006	326.3	3.8	-26.0	-48.2
WAIK1	400222	6219868	38718	38899	1/01/2006	1/07/2006	275.2	3.2	-26.0	-48.2
WAIK1	400222	6219868	38899	39083	1/07/2006	1/01/2007	96.2	1.1	-26.0	-48.2
WAIK1	400222	6219868	39083	39264	1/01/2007	1/07/2007	241.2	2.8	-26.0	-48.2
WAIK1	400222	6219868	39264	39448	1/07/2007	1/01/2008	225.9	2.6	-26.0	-48.2
WAIK1	400222	6219868	39448	39630	1/01/2008	1/07/2008	287.8	3.3	-26.0	-48.2
WAIK1	400222	6219868	39630	39814	1/07/2008	1/01/2009	125.9	1.5	-26.0	-48.2
WAIK1	400222	6219868	39814	39995	1/01/2009	1/07/2009	125.9	1.5	-26.0	-48.2
WAIK1	400222	6219868	39995	40179	1/07/2009	1/01/2010	351.4	4.1	-26.0	-48.2
WAIK1	400222	6219868	40179	40360	1/01/2010	1/07/2010	210.7	2.4	-26.0	-48.2
WAIK1	400222	6219868	40360	40909	1/07/2010	1/01/2012	319.8	3.7	-26.0	-48.2
WAIK2	401120	6219184	Steady-state	33970	-	1/01/1993	0.0	0.0	-23.0	-48.2
WAIK2	401120	6219184	33970	34151	1/01/1993	1/07/1993	660.7	7.6	-23.0	-48.2
WAIK2	401120	6219184	34151	34516	1/07/1993	1/07/1994	443.8	5.1	-23.0	-48.2
WAIK2	401120	6219184	34516	34881	1/07/1994	1/07/1995	392.0	4.5	-23.0	-48.2
WAIK2	401120	6219184	34881	35247	1/07/1995	1/07/1996	349.6	4.0	-23.0	-48.2
WAIK2	401120	6219184	35247	35612	1/07/1996	1/07/1997	235.2	2.7	-23.0	-48.2
WAIK2	401120	6219184	35612	35977	1/07/1997	1/07/1998	376.7	4.4	-23.0	-48.2
WAIK2	401120	6219184	35977	36342	1/07/1998	1/07/1999	379.4	4.4	-23.0	-48.2
WAIK2	401120	6219184	36342	36708	1/07/1999	1/07/2000	393.9	4.6	-23.0	-48.2
WAIK2	401120	6219184	36708	37073	1/07/2000	1/07/2001	242.9	2.8	-23.0	-48.2
WAIK2	401120	6219184	37073	37257	1/07/2001	1/01/2002	242.9	2.8	-23.0	-48.2
WAIK2	401120	6219184	37257	37438	1/01/2002	1/07/2002	378.5	4.4	-23.0	-48.2
WAIK2	401120	6219184	37438	37622	1/07/2002	1/01/2003	378.5	4.4	-23.0	-48.2
WAIK2	401120	6219184	37622	37803	1/01/2003	1/07/2003	258.1	3.0	-23.0	-48.2
WAIK2	401120	6219184	37803	37987	1/07/2003	1/01/2004	297.5	3.4	-23.0	-48.2
WAIK2	401120	6219184	37987	38169	1/01/2004	1/07/2004	203.1	2.4	-23.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 1/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK2	401120	6219184	38899	39083	1/07/2006	1/01/2007	323.3	3.7	-23.0	-48.2
WAIK2	401120	6219184	38169	38353	1/07/2004	1/01/2005	344.3	4.0	-23.0	-48.2
WAIK2	401120	6219184	38353	38534	1/01/2005	1/07/2005	368.4	4.3	-23.0	-48.2
WAIK2	401120	6219184	38534	38718	1/07/2005	1/01/2006	360.5	4.2	-23.0	-48.2
WAIK2	401120	6219184	38718	38899	1/01/2006	1/07/2006	320.9	3.7	-23.0	-48.2
WAIK2	401120	6219184	39083	39264	1/01/2007	1/07/2007	333.5	3.9	-23.0	-48.2
WAIK2	401120	6219184	39264	39448	1/07/2007	1/01/2008	366.9	4.2	-23.0	-48.2
WAIK2	401120	6219184	39448	39630	1/01/2008	1/07/2008	402.6	4.7	-23.0	-48.2
WAIK2	401120	6219184	39630	39814	1/07/2008	1/01/2009	159.1	1.8	-23.0	-48.2
WAIK2	401120	6219184	39814	39995	1/01/2009	1/07/2009	159.1	1.8	-23.0	-48.2
WAIK2	401120	6219184	39995	40179	1/07/2009	1/01/2010	364.4	4.2	-23.0	-48.2
WAIK2	401120	6219184	40179	40360	1/01/2010	1/07/2010	234.4	2.7	-23.0	-48.2
WAIK2	401120	6219184	40360	40909	1/07/2010	1/01/2012	320.1	3.7	-23.0	-48.2
WAIK4	402156	6218453	Steady-state	33970	-	1/01/1993	0.0	0.0	-17.0	-48.2
WAIK4	402156	6218453	33970	34151	1/01/1993	1/07/1993	759.3	8.8	-17.0	-48.2
WAIK4	402156	6218453	34151	34516	1/07/1993	1/07/1994	576.5	6.7	-17.0	-48.2
WAIK4	402156	6218453	34516	34881	1/07/1994	1/07/1995	697.2	8.1	-17.0	-48.2
WAIK4	402156	6218453	34881	35247	1/07/1995	1/07/1996	739.5	8.6	-17.0	-48.2
WAIK4	402156	6218453	35247	35612	1/07/1996	1/07/1997	496.3	5.7	-17.0	-48.2
WAIK4	402156	6218453	35612	35977	1/07/1997	1/07/1998	534.2	6.2	-17.0	-48.2
WAIK4	402156	6218453	35977	36342	1/07/1998	1/07/1999	499.5	5.8	-17.0	-48.2
WAIK4	402156	6218453	36342	36708	1/07/1999	1/07/2000	427.0	4.9	-17.0	-48.2
WAIK4	402156	6218453	36708	37073	1/07/2000	1/07/2001	294.8	3.4	-17.0	-48.2
WAIK4	402156	6218453	37073	37257	1/07/2001	1/01/2002	294.8	3.4	-17.0	-48.2
WAIK4	402156	6218453	37257	37438	1/01/2002	1/07/2002	410.0	4.7	-17.0	-48.2
WAIK4	402156	6218453	37438	37622	1/07/2002	1/01/2003	410.0	4.7	-17.0	-48.2
WAIK4	402156	6218453	37622	37803	1/01/2003	1/07/2003	312.7	3.6	-17.0	-48.2
WAIK4	402156	6218453	37803	37987	1/07/2003	1/01/2004	260.3	3.0	-17.0	-48.2
WAIK4	402156	6218453	37987	38169	1/01/2004	1/07/2004	329.7	3.8	-17.0	-48.2
WAIK4	402156	6218453	38169	38353	1/07/2004	1/01/2005	439.0	5.1	-17.0	-48.2
WAIK4	402156	6218453	38353	38534	1/01/2005	1/07/2005	316.2	3.7	-17.0	-48.2
WAIK4	402156	6218453	38534	38718	1/07/2005	1/01/2006	332.3	3.8	-17.0	-48.2
WAIK4	402156	6218453	38718	38899	1/01/2006	1/07/2006	352.4	4.1	-17.0	-48.2
WAIK4	402156	6218453	38899	39083	1/07/2006	1/01/2007	321.9	3.7	-17.0	-48.2
WAIK4	402156	6218453	39083	39264	1/01/2007	1/07/2007	320.7	3.7	-17.0	-48.2
WAIK4	402156	6218453	39264	39448	1/07/2007	1/01/2008	354.3	4.1	-17.0	-48.2
WAIK4	402156	6218453	39448	39630	1/01/2008	1/07/2008	222.4	2.6	-17.0	-48.2
WAIK4	402156	6218453	39630	39814	1/07/2008	1/01/2009	267.7	3.1	-17.0	-48.2
WAIK4	402156	6218453	39814	39995	1/01/2009	1/07/2009	267.7	3.1	-17.0	-48.2
WAIK4	402156	6218453	39995	40179	1/07/2009	1/01/2010	130.8	1.5	-17.0	-48.2
WAIK4	402156	6218453	40179	40360	1/01/2010	1/07/2010	218.1	2.5	-17.0	-48.2
WAIK4	402156	6218453	40360	40909	1/07/2010	1/01/2012	234.5	2.7	-17.0	-48.2
WAIK5	402797	6218417	Steady-state	33970	-	1/01/1993	0.0	0.0	-16.0	-48.2
WAIK5	402797	6218417	33970	34151	1/01/1993	1/07/1993	782.1	9.1	-16.0	-48.2
WAIK5	402797	6218417	34151	34516	1/07/1993	1/07/1994	696.3	8.1	-16.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 2/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK5	402797	6218417	34516	34881	1/07/1994	1/07/1995	790.3	9.1	-16.0	-48.2
WAIK2	401120	6219184	38899	39083	1/07/2006	1/01/2007	323.3	3.7	-23.0	-48.2
WAIK5	402797	6218417	34881	35247	1/07/1995	1/07/1996	784.5	9.1	-16.0	-48.2
WAIK5	402797	6218417	35247	35612	1/07/1996	1/07/1997	422.9	4.9	-16.0	-48.2
WAIK5	402797	6218417	35612	35977	1/07/1997	1/07/1998	495.8	5.7	-16.0	-48.2
WAIK5	402797	6218417	35977	36342	1/07/1998	1/07/1999	666.5	7.7	-16.0	-48.2
WAIK5	402797	6218417	36342	36708	1/07/1999	1/07/2000	435.6	5.0	-16.0	-48.2
WAIK5	402797	6218417	36708	37073	1/07/2000	1/07/2001	434.3	5.0	-16.0	-48.2
WAIK5	402797	6218417	37073	37257	1/07/2001	1/01/2002	434.3	5.0	-16.0	-48.2
WAIK5	402797	6218417	37257	37438	1/01/2002	1/07/2002	483.0	5.6	-16.0	-48.2
WAIK5	402797	6218417	37438	37622	1/07/2002	1/01/2003	490.3	5.7	-16.0	-48.2
WAIK5	402797	6218417	37622	37803	1/01/2003	1/07/2003	492.1	5.7	-16.0	-48.2
WAIK5	402797	6218417	37803	37987	1/07/2003	1/01/2004	393.8	4.6	-16.0	-48.2
WAIK5	402797	6218417	37987	38169	1/01/2004	1/07/2004	125.5	1.5	-16.0	-48.2
WAIK5	402797	6218417	38169	38353	1/07/2004	1/01/2005	568.2	6.6	-16.0	-48.2
WAIK5	402797	6218417	38353	38534	1/01/2005	1/07/2005	580.9	6.7	-16.0	-48.2
WAIK5	402797	6218417	38534	38718	1/07/2005	1/01/2006	379.7	4.4	-16.0	-48.2
WAIK5	402797	6218417	38718	38899	1/01/2006	1/07/2006	307.8	3.6	-16.0	-48.2
WAIK5	402797	6218417	38899	39083	1/07/2006	1/01/2007	293.9	3.4	-16.0	-48.2
WAIK5	402797	6218417	39083	39264	1/01/2007	1/07/2007	279.5	3.2	-16.0	-48.2
WAIK5	402797	6218417	39264	39448	1/07/2007	1/01/2008	259.4	3.0	-16.0	-48.2
WAIK5	402797	6218417	39448	39630	1/01/2008	1/07/2008	205.0	2.4	-16.0	-48.2
WAIK5	402797	6218417	39630	39814	1/07/2008	1/01/2009	7.9	0.1	-16.0	-48.2
WAIK5	402797	6218417	39814	39995	1/01/2009	1/07/2009	7.9	0.1	-16.0	-48.2
WAIK5	402797	6218417	39995	40179	1/07/2009	1/01/2010	284.4	3.3	-16.0	-48.2
WAIK5	402797	6218417	40179	40360	1/01/2010	1/07/2010	176.5	2.0	-16.0	-48.2
WAIK5	402797	6218417	40360	40909	1/07/2010	1/01/2012	249.8	2.9	-16.0	-48.2
WAIK6	403247	6218809	Steady-state	33970	-	1/01/1993	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	33970	34151	1/01/1993	1/07/1993	768.7	8.9	-15.0	-48.2
WAIK6	403247	6218809	34151	34516	1/07/1993	1/07/1994	677.7	7.8	-15.0	-48.2
WAIK6	403247	6218809	34516	34881	1/07/1994	1/07/1995	632.5	7.3	-15.0	-48.2
WAIK6	403247	6218809	34881	35247	1/07/1995	1/07/1996	622.5	7.2	-15.0	-48.2
WAIK6	403247	6218809	35247	35612	1/07/1996	1/07/1997	438.2	5.1	-15.0	-48.2
WAIK6	403247	6218809	35612	35977	1/07/1997	1/07/1998	546.3	6.3	-15.0	-48.2
WAIK6	403247	6218809	35977	36342	1/07/1998	1/07/1999	520.1	6.0	-15.0	-48.2
WAIK6	403247	6218809	36342	36708	1/07/1999	1/07/2000	500.1	5.8	-15.0	-48.2
WAIK6	403247	6218809	36708	37073	1/07/2000	1/07/2001	158.6	1.8	-15.0	-48.2
WAIK6	403247	6218809	37073	37257	1/07/2001	1/01/2002	619.2	7.2	-15.0	-48.2
WAIK6	403247	6218809	37257	37438	1/01/2002	1/07/2002	524.2	6.1	-15.0	-48.2
WAIK6	403247	6218809	37438	37622	1/07/2002	1/01/2003	524.2	6.1	-15.0	-48.2
WAIK6	403247	6218809	37622	37803	1/01/2003	1/07/2003	508.2	5.9	-15.0	-48.2
WAIK6	403247	6218809	37803	37987	1/07/2003	1/01/2004	497.4	5.8	-15.0	-48.2
WAIK6	403247	6218809	37987	38169	1/01/2004	1/07/2004	549.4	6.4	-15.0	-48.2
WAIK6	403247	6218809	38169	38353	1/07/2004	1/01/2005	273.8	3.2	-15.0	-48.2
WAIK6	403247	6218809	38353	38534	1/01/2005	1/07/2005	308.2	3.6	-15.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 3/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK6	403247	6218809	38534	38718	1/07/2005	1/01/2006	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	38718	38899	1/01/2006	1/07/2006	295.4	3.4	-15.0	-48.2
WAIK2	401120	6219184	38899	39083	1/07/2006	1/01/2007	323.3	3.7	-23.0	-48.2
WAIK6	403247	6218809	38899	39083	1/07/2006	1/01/2007	120.5	1.4	-15.0	-48.2
WAIK6	403247	6218809	39083	39264	1/01/2007	1/07/2007	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	39264	39448	1/07/2007	1/01/2008	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	39448	39630	1/01/2008	1/07/2008	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	39630	39814	1/07/2008	1/01/2009	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	39814	39995	1/01/2009	1/07/2009	0.0	0.0	-15.0	-48.2
WAIK6	403247	6218809	39995	40909	1/07/2009	1/01/2012	0.0	0.0	-15.0	-48.2
WAIK7	404398	6219437	Steady-state	27395	-	1/01/1975	0.0	0.0	-19.9	-48.2
WAIK7	404398	6219437	27395	31048	1/01/1975	1/01/1985	0.0	0.0	-19.9	-48.2
WAIK7	404398	6219437	31048	33970	1/01/1985	1/01/1993	0.0	0.0	-19.9	-48.2
WAIK7	404398	6219437	33970	34151	1/01/1993	1/07/1993	641.1	7.4	-19.9	-48.2
WAIK7	404398	6219437	34151	34516	1/07/1993	1/07/1994	634.2	7.3	-19.9	-48.2
WAIK7	404398	6219437	34516	34881	1/07/1994	1/07/1995	632.0	7.3	-19.9	-48.2
WAIK7	404398	6219437	34881	35247	1/07/1995	1/07/1996	651.4	7.5	-19.9	-48.2
WAIK7	404398	6219437	35247	35612	1/07/1996	1/07/1997	404.8	4.7	-19.9	-48.2
WAIK7	404398	6219437	35612	35977	1/07/1997	1/07/1998	568.5	6.6	-19.9	-48.2
WAIK7	404398	6219437	35977	36342	1/07/1998	1/07/1999	562.1	6.5	-19.9	-48.2
WAIK7	404398	6219437	36342	36708	1/07/1999	1/07/2000	561.7	6.5	-19.9	-48.2
WAIK7	404398	6219437	36708	37073	1/07/2000	1/07/2001	412.9	4.8	-19.9	-48.2
WAIK7	404398	6219437	37073	37257	1/07/2001	1/01/2002	412.9	4.8	-19.9	-48.2
WAIK7	404398	6219437	37257	37438	1/01/2002	1/07/2002	543.2	6.3	-19.9	-48.2
WAIK7	404398	6219437	37438	37622	1/07/2002	1/01/2003	355.5	4.1	-19.9	-48.2
WAIK7	404398	6219437	37622	37803	1/01/2003	1/07/2003	600.6	7.0	-19.9	-48.2
WAIK7	404398	6219437	37803	37987	1/07/2003	1/01/2004	563.2	6.5	-19.9	-48.2
WAIK7	404398	6219437	37987	38169	1/01/2004	1/07/2004	461.1	5.3	-19.9	-48.2
WAIK7	404398	6219437	38169	38353	1/07/2004	1/01/2005	317.7	3.7	-19.9	-48.2
WAIK7	404398	6219437	38353	38534	1/01/2005	1/07/2005	504.0	5.8	-19.9	-48.2
WAIK7	404398	6219437	38534	38718	1/07/2005	1/01/2006	283.0	3.3	-19.9	-48.2
WAIK7	404398	6219437	38718	38899	1/01/2006	1/07/2006	289.4	3.3	-19.9	-48.2
WAIK7	404398	6219437	38899	39083	1/07/2006	1/01/2007	263.9	3.1	-19.9	-48.2
WAIK7	404398	6219437	39083	39264	1/01/2007	1/07/2007	156.9	1.8	-19.9	-48.2
WAIK7	404398	6219437	39264	39448	1/07/2007	1/01/2008	272.1	3.1	-19.9	-48.2
WAIK7	404398	6219437	39448	39630	1/01/2008	1/07/2008	334.1	3.9	-19.9	-48.2
WAIK7	404398	6219437	39630	39814	1/07/2008	1/01/2009	354.2	4.1	-19.9	-48.2
WAIK7	404398	6219437	39814	39995	1/01/2009	1/07/2009	354.2	4.1	-19.9	-48.2
WAIK7	404398	6219437	39995	40179	1/07/2009	1/01/2010	354.2	4.1	-19.9	-48.2
WAIK7	404398	6219437	40179	40360	1/01/2010	1/07/2010	239.2	2.8	-19.9	-48.2
WAIK7	404398	6219437	40360	40909	1/07/2010	1/01/2012	188.9	2.2	-19.9	-48.2
WAIK7B	404863	6219098	Steady-state	33970	-	1/01/1993	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	33970	34151	1/01/1993	1/07/1993	567.6	6.6	-19.9	-48.2
WAIK7B	404863	6219098	34151	34516	1/07/1993	1/07/1994	674.7	7.8	-19.9	-48.2
WAIK7B	404863	6219098	34516	34881	1/07/1994	1/07/1995	642.6	7.4	-19.9	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 4/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK7B	404863	6219098	34881	35247	1/07/1995	1/07/1996	661.2	7.7	-19.9	-48.2
WAIK7B	404863	6219098	35247	35612	1/07/1996	1/07/1997	471.2	5.5	-19.9	-48.2
WAIK7B	404863	6219098	35612	35977	1/07/1997	1/07/1998	597.1	6.9	-19.9	-48.2
WAIK7B	404863	6219098	35977	36342	1/07/1998	1/07/1999	608.2	7.0	-19.9	-48.2
WAIK7B	404863	6219098	36342	36708	1/07/1999	1/07/2000	591.7	6.8	-19.9	-48.2
WAIK7B	404863	6219098	36708	37073	1/07/2000	1/07/2001	432.4	5.0	-19.9	-48.2
WAIK7B	404863	6219098	37073	37257	1/07/2001	1/01/2002	432.4	5.0	-19.9	-48.2
WAIK7B	404863	6219098	37257	37438	1/01/2002	1/07/2002	590.1	6.8	-19.9	-48.2
WAIK7B	404863	6219098	37438	37622	1/07/2002	1/01/2003	518.9	6.0	-19.9	-48.2
WAIK7B	404863	6219098	37622	37803	1/01/2003	1/07/2003	457.9	5.3	-19.9	-48.2
WAIK7B	404863	6219098	37803	37987	1/07/2003	1/01/2004	534.0	6.2	-19.9	-48.2
WAIK7B	404863	6219098	37987	38169	1/01/2004	1/07/2004	349.2	4.0	-19.9	-48.2
WAIK7B	404863	6219098	38169	38353	1/07/2004	1/01/2005	743.8	8.6	-19.9	-48.2
WAIK7B	404863	6219098	38353	38534	1/01/2005	1/07/2005	258.8	3.0	-19.9	-48.2
WAIK7B	404863	6219098	38534	38718	1/07/2005	1/01/2006	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	38718	38899	1/01/2006	1/07/2006	256.7	3.0	-19.9	-48.2
WAIK7B	404863	6219098	38899	39083	1/07/2006	1/01/2007	0.3	0.0	-19.9	-48.2
WAIK7B	404863	6219098	39083	39264	1/01/2007	1/07/2007	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	39264	39448	1/07/2007	1/01/2008	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	39448	39630	1/01/2008	1/07/2008	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	39630	39814	1/07/2008	1/01/2009	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	39814	39995	1/01/2009	1/07/2009	0.0	0.0	-19.9	-48.2
WAIK7B	404863	6219098	39995	40909	1/07/2009	1/01/2012	0.0	0.0	-19.9	-48.2
WAIK8	405424	6218626	Steady-state	33970	-	1/01/1993	0.0	0.0	-17.0	-48.2
WAIK8	405424	6218626	33970	34151	1/01/1993	1/07/1993	684.4	7.9	-17.0	-48.2
WAIK8	405424	6218626	34151	34516	1/07/1993	1/07/1994	628.7	7.3	-17.0	-48.2
WAIK8	405424	6218626	34516	34881	1/07/1994	1/07/1995	613.9	7.1	-17.0	-48.2
WAIK8	405424	6218626	34881	35247	1/07/1995	1/07/1996	634.1	7.3	-17.0	-48.2
WAIK8	405424	6218626	35247	35612	1/07/1996	1/07/1997	447.8	5.2	-17.0	-48.2
WAIK8	405424	6218626	35612	35977	1/07/1997	1/07/1998	426.1	4.9	-17.0	-48.2
WAIK8	405424	6218626	35977	36342	1/07/1998	1/07/1999	476.6	5.5	-17.0	-48.2
WAIK8	405424	6218626	36342	36708	1/07/1999	1/07/2000	502.2	5.8	-17.0	-48.2
WAIK8	405424	6218626	36708	37073	1/07/2000	1/07/2001	491.7	5.7	-17.0	-48.2
WAIK8	405424	6218626	37073	37257	1/07/2001	1/01/2002	491.7	5.7	-17.0	-48.2
WAIK8	405424	6218626	37257	37438	1/01/2002	1/07/2002	547.6	6.3	-17.0	-48.2
WAIK8	405424	6218626	37438	37622	1/07/2002	1/01/2003	459.1	5.3	-17.0	-48.2
WAIK8	405424	6218626	37622	37803	1/01/2003	1/07/2003	601.4	7.0	-17.0	-48.2
WAIK8	405424	6218626	37803	37987	1/07/2003	1/01/2004	794.4	9.2	-17.0	-48.2
WAIK8	405424	6218626	37987	38169	1/01/2004	1/07/2004	734.9	8.5	-17.0	-48.2
WAIK8	405424	6218626	38169	38353	1/07/2004	1/01/2005	805.8	9.3	-17.0	-48.2
WAIK8	405424	6218626	38353	38534	1/01/2005	1/07/2005	316.9	3.7	-17.0	-48.2
WAIK8	405424	6218626	38534	38718	1/07/2005	1/01/2006	469.1	5.4	-17.0	-48.2
WAIK8	405424	6218626	38718	38899	1/01/2006	1/07/2006	547.1	6.3	-17.0	-48.2
WAIK8	405424	6218626	38899	39083	1/07/2006	1/01/2007	479.4	5.5	-17.0	-48.2
WAIK8	405424	6218626	39083	39264	1/01/2007	1/07/2007	568.2	6.6	-17.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 5/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK8	405424	6218626	39264	39448	1/07/2007	1/01/2008	714.3	8.3	-17.0	-48.2
WAIK8	405424	6218626	39448	39630	1/01/2008	1/07/2008	287.0	3.3	-17.0	-48.2
WAIK8	405424	6218626	39630	39814	1/07/2008	1/01/2009	119.4	1.4	-17.0	-48.2
WAIK8	405424	6218626	39814	39995	1/01/2009	1/07/2009	119.4	1.4	-17.0	-48.2
WAIK8	405424	6218626	39995	40179	1/07/2009	1/01/2010	306.0	3.5	-17.0	-48.2
WAIK8	405424	6218626	40179	40360	1/01/2010	1/07/2010	182.1	2.1	-17.0	-48.2
WAIK8	405424	6218626	40360	40909	1/07/2010	1/01/2012	270.3	3.1	-17.0	-48.2
WAIK9	406012	6218258	Steady-state	33970	-	1/01/1993	0.0	0.0	-15.0	-48.2
WAIK9	406012	6218258	33970	34151	1/01/1993	1/07/1993	676.1	7.8	-15.0	-48.2
WAIK9	406012	6218258	34151	34516	1/07/1993	1/07/1994	618.0	7.2	-15.0	-48.2
WAIK9	406012	6218258	34516	34881	1/07/1994	1/07/1995	577.1	6.7	-15.0	-48.2
WAIK9	406012	6218258	34881	35247	1/07/1995	1/07/1996	607.8	7.0	-15.0	-48.2
WAIK9	406012	6218258	35247	35612	1/07/1996	1/07/1997	496.8	5.7	-15.0	-48.2
WAIK9	406012	6218258	35612	35977	1/07/1997	1/07/1998	563.6	6.5	-15.0	-48.2
WAIK9	406012	6218258	35977	36342	1/07/1998	1/07/1999	581.8	6.7	-15.0	-48.2
WAIK9	406012	6218258	36342	36708	1/07/1999	1/07/2000	538.0	6.2	-15.0	-48.2
WAIK9	406012	6218258	36708	37073	1/07/2000	1/07/2001	452.1	5.2	-15.0	-48.2
WAIK9	406012	6218258	37073	37257	1/07/2001	1/01/2002	452.1	5.2	-15.0	-48.2
WAIK9	406012	6218258	37257	37438	1/01/2002	1/07/2002	493.3	5.7	-15.0	-48.2
WAIK9	406012	6218258	37438	37622	1/07/2002	1/01/2003	429.1	5.0	-15.0	-48.2
WAIK9	406012	6218258	37622	37803	1/01/2003	1/07/2003	534.2	6.2	-15.0	-48.2
WAIK9	406012	6218258	37803	37987	1/07/2003	1/01/2004	479.0	5.5	-15.0	-48.2
WAIK9	406012	6218258	37987	38169	1/01/2004	1/07/2004	231.3	2.7	-15.0	-48.2
WAIK9	406012	6218258	38169	38353	1/07/2004	1/01/2005	534.5	6.2	-15.0	-48.2
WAIK9	406012	6218258	38353	38534	1/01/2005	1/07/2005	402.3	4.7	-15.0	-48.2
WAIK9	406012	6218258	38534	38718	1/07/2005	1/01/2006	0.0	0.0	-15.0	-48.2
WAIK9	406012	6218258	38718	38899	1/01/2006	1/07/2006	133.0	1.5	-15.0	-48.2
WAIK9	406012	6218258	38899	39083	1/07/2006	1/01/2007	0.0	0.0	-15.0	-48.2
WAIK9	406012	6218258	39083	39264	1/01/2007	1/07/2007	0.0	0.0	-15.0	-48.2
WAIK9	406012	6218258	39264	39448	1/07/2007	1/01/2008	0.0	0.0	-15.0	-48.2
WAIK9	406012	6218258	39448	40909	1/01/2008	1/01/2012	0.0	0.0	-15.0	-48.2
WAIK10	406562	6217819	Steady-state	33970	-	1/01/1993	0.0	0.0	-16.0	-48.2
WAIK10	406562	6217819	33970	34151	1/01/1993	1/07/1993	632.1	7.3	-16.0	-48.2
WAIK10	406562	6217819	34151	34516	1/07/1993	1/07/1994	621.7	7.2	-16.0	-48.2
WAIK10	406562	6217819	34516	34881	1/07/1994	1/07/1995	557.7	6.5	-16.0	-48.2
WAIK10	406562	6217819	34881	35247	1/07/1995	1/07/1996	583.1	6.7	-16.0	-48.2
WAIK10	406562	6217819	35247	35612	1/07/1996	1/07/1997	499.7	5.8	-16.0	-48.2
WAIK10	406562	6217819	35612	35977	1/07/1997	1/07/1998	522.6	6.0	-16.0	-48.2
WAIK10	406562	6217819	35977	36342	1/07/1998	1/07/1999	658.5	7.6	-16.0	-48.2
WAIK10	406562	6217819	36342	36708	1/07/1999	1/07/2000	535.4	6.2	-16.0	-48.2
WAIK10	406562	6217819	36708	37073	1/07/2000	1/07/2001	444.2	5.1	-16.0	-48.2
WAIK10	406562	6217819	37073	37257	1/07/2001	1/01/2002	527.3	6.1	-16.0	-48.2
WAIK10	406562	6217819	37257	37438	1/01/2002	1/07/2002	456.1	5.3	-16.0	-48.2
WAIK10	406562	6217819	37438	37622	1/07/2002	1/01/2003	385.7	4.5	-16.0	-48.2
WAIK10	406562	6217819	37622	37803	1/01/2003	1/07/2003	534.2	6.2	-16.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 6/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK10	406562	6217819	37803	37987	1/07/2003	1/01/2004	426.3	4.9	-16.0	-48.2
WAIK10	406562	6217819	37987	38169	1/01/2004	1/07/2004	464.9	5.4	-16.0	-48.2
WAIK10	406562	6217819	38169	38353	1/07/2004	1/01/2005	180.5	2.1	-16.0	-48.2
WAIK10	406562	6217819	38353	38534	1/01/2005	1/07/2005	23.0	0.3	-16.0	-48.2
WAIK10	406562	6217819	38534	38718	1/07/2005	1/01/2006	0.0	0.0	-16.0	-48.2
WAIK10	406562	6217819	38718	38899	1/01/2006	1/07/2006	211.5	2.4	-16.0	-48.2
WAIK10	406562	6217819	38899	39083	1/07/2006	1/01/2007	73.2	0.8	-16.0	-48.2
WAIK10	406562	6217819	39083	39264	1/01/2007	1/07/2007	0.0	0.0	-16.0	-48.2
WAIK10	406562	6217819	39264	39448	1/07/2007	1/01/2008	0.0	0.0	-16.0	-48.2
WAIK10	406562	6217819	39448	40909	1/01/2008	1/01/2012	0.0	0.0	-16.0	-48.2
WAIK11	406966	6217309	Steady-state	33970	-	1/01/1993	0.0	0.0	-14.0	-48.2
WAIK11	406966	6217309	33970	34151	1/01/1993	1/07/1993	619.7	7.2	-14.0	-48.2
WAIK11	406966	6217309	34151	34516	1/07/1993	1/07/1994	677.4	7.8	-14.0	-48.2
WAIK11	406966	6217309	34516	34881	1/07/1994	1/07/1995	675.8	7.8	-14.0	-48.2
WAIK11	406966	6217309	34881	35247	1/07/1995	1/07/1996	367.3	4.3	-14.0	-48.2
WAIK11	406966	6217309	35247	35612	1/07/1996	1/07/1997	470.2	5.4	-14.0	-48.2
WAIK11	406966	6217309	35612	35977	1/07/1997	1/07/1998	703.5	8.1	-14.0	-48.2
WAIK11	406966	6217309	35977	36342	1/07/1998	1/07/1999	493.4	5.7	-14.0	-48.2
WAIK11	406966	6217309	36342	36708	1/07/1999	1/07/2000	500.3	5.8	-14.0	-48.2
WAIK11	406966	6217309	36708	37073	1/07/2000	1/07/2001	398.6	4.6	-14.0	-48.2
WAIK11	406966	6217309	37073	37257	1/07/2001	1/01/2002	318.6	3.7	-14.0	-48.2
WAIK11	406966	6217309	37257	37438	1/01/2002	1/07/2002	568.3	6.6	-14.0	-48.2
WAIK11	406966	6217309	37438	37622	1/07/2002	1/01/2003	445.5	5.2	-14.0	-48.2
WAIK11	406966	6217309	37622	37803	1/01/2003	1/07/2003	943.8	10.9	-14.0	-48.2
WAIK11	406966	6217309	37803	37987	1/07/2003	1/01/2004	162.1	1.9	-14.0	-48.2
WAIK11	406966	6217309	37987	38169	1/01/2004	1/07/2004	416.3	4.8	-14.0	-48.2
WAIK11	406966	6217309	38169	38353	1/07/2004	1/01/2005	965.2	11.2	-14.0	-48.2
WAIK11	406966	6217309	38353	38534	1/01/2005	1/07/2005	553.7	6.4	-14.0	-48.2
WAIK11	406966	6217309	38534	38718	1/07/2005	1/01/2006	444.8	5.1	-14.0	-48.2
WAIK11	406966	6217309	38718	38899	1/01/2006	1/07/2006	508.3	5.9	-14.0	-48.2
WAIK11	406966	6217309	38899	39083	1/07/2006	1/01/2007	123.6	1.4	-14.0	-48.2
WAIK11	406966	6217309	39083	39264	1/01/2007	1/07/2007	532.8	6.2	-14.0	-48.2
WAIK11	406966	6217309	39264	39448	1/07/2007	1/01/2008	720.9	8.3	-14.0	-48.2
WAIK11	406966	6217309	39448	39630	1/01/2008	1/07/2008	696.9	8.1	-14.0	-48.2
WAIK11	406966	6217309	39630	39814	1/07/2008	1/01/2009	549.6	6.4	-14.0	-48.2
WAIK11	406966	6217309	39814	39995	1/01/2009	1/07/2009	549.6	6.4	-14.0	-48.2
WAIK11	406966	6217309	39995	40179	1/07/2009	1/01/2010	612.8	7.1	-14.0	-48.2
WAIK11	406966	6217309	40179	40360	1/01/2010	1/07/2010	400.8	4.6	-14.0	-48.2
WAIK11	406966	6217309	40360	40909	1/07/2010	1/01/2012	544.7	6.3	-14.0	-48.2
WAIK12	407452	6216899	Steady-state	33970	-	1/01/1993	0.0	0.0	-11.0	-48.2
WAIK12	407452	6216899	33970	34151	1/01/1993	1/07/1993	798.2	9.2	-11.0	-48.2
WAIK12	407452	6216899	34151	34516	1/07/1993	1/07/1994	844.2	9.8	-11.0	-48.2
WAIK12	407452	6216899	34516	34881	1/07/1994	1/07/1995	770.4	8.9	-11.0	-48.2
WAIK12	407452	6216899	34881	35247	1/07/1995	1/07/1996	664.1	7.7	-11.0	-48.2
WAIK12	407452	6216899	35247	35612	1/07/1996	1/07/1997	597.3	6.9	-11.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 7/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK12	407452	6216899	35612	35977	1/07/1997	1/07/1998	698.4	8.1	-11.0	-48.2
WAIK12	407452	6216899	35977	36342	1/07/1998	1/07/1999	784.5	9.1	-11.0	-48.2
WAIK12	407452	6216899	36342	36708	1/07/1999	1/07/2000	677.8	7.8	-11.0	-48.2
WAIK12	407452	6216899	36708	37073	1/07/2000	1/07/2001	604.2	7.0	-11.0	-48.2
WAIK12	407452	6216899	37073	37257	1/07/2001	1/01/2002	795.2	9.2	-11.0	-48.2
WAIK12	407452	6216899	37257	37438	1/01/2002	1/07/2002	813.3	9.4	-11.0	-48.2
WAIK12	407452	6216899	37438	37622	1/07/2002	1/01/2003	552.1	6.4	-11.0	-48.2
WAIK12	407452	6216899	37622	37803	1/01/2003	1/07/2003	711.5	8.2	-11.0	-48.2
WAIK12	407452	6216899	37803	37987	1/07/2003	1/01/2004	669.7	7.8	-11.0	-48.2
WAIK12	407452	6216899	37987	38169	1/01/2004	1/07/2004	653.7	7.6	-11.0	-48.2
WAIK12	407452	6216899	38169	38353	1/07/2004	1/01/2005	545.6	6.3	-11.0	-48.2
WAIK12	407452	6216899	38353	38534	1/01/2005	1/07/2005	711.1	8.2	-11.0	-48.2
WAIK12	407452	6216899	38534	38718	1/07/2005	1/01/2006	385.7	4.5	-11.0	-48.2
WAIK12	407452	6216899	38718	38899	1/01/2006	1/07/2006	255.3	3.0	-11.0	-48.2
WAIK12	407452	6216899	38899	39083	1/07/2006	1/01/2007	326.8	3.8	-11.0	-48.2
WAIK12	407452	6216899	39083	39264	1/01/2007	1/07/2007	104.5	1.2	-11.0	-48.2
WAIK12	407452	6216899	39264	39448	1/07/2007	1/01/2008	287.7	3.3	-11.0	-48.2
WAIK12	407452	6216899	39448	39630	1/01/2008	1/07/2008	34.9	0.4	-11.0	-48.2
WAIK12	407452	6216899	39630	39814	1/07/2008	1/01/2009	332.5	3.8	-11.0	-48.2
WAIK12	407452	6216899	39814	39995	1/01/2009	1/07/2009	332.5	3.8	-11.0	-48.2
WAIK12	407452	6216899	39995	40179	1/07/2009	1/01/2010	140.9	1.6	-11.0	-48.2
WAIK12	407452	6216899	40179	40360	1/01/2010	1/07/2010	65.5	0.8	-11.0	-48.2
WAIK12	407452	6216899	40360	40909	1/07/2010	1/01/2012	71.0	0.8	-11.0	-48.2
WAIK13	407972	6216528	Steady-state	33970	-	1/01/1993	0.0	0.0	-13.0	-48.2
WAIK13	407972	6216528	33970	34151	1/01/1993	1/07/1993	761.5	8.8	-13.0	-48.2
WAIK13	407972	6216528	34151	34516	1/07/1993	1/07/1994	855.9	9.9	-13.0	-48.2
WAIK13	407972	6216528	34516	34881	1/07/1994	1/07/1995	806.6	9.3	-13.0	-48.2
WAIK13	407972	6216528	34881	35247	1/07/1995	1/07/1996	716.6	8.3	-13.0	-48.2
WAIK13	407972	6216528	35247	35612	1/07/1996	1/07/1997	393.8	4.6	-13.0	-48.2
WAIK13	407972	6216528	35612	35977	1/07/1997	1/07/1998	558.1	6.5	-13.0	-48.2
WAIK13	407972	6216528	35977	36342	1/07/1998	1/07/1999	407.9	4.7	-13.0	-48.2
WAIK13	407972	6216528	36342	36708	1/07/1999	1/07/2000	317.4	3.7	-13.0	-48.2
WAIK13	407972	6216528	36708	37073	1/07/2000	1/07/2001	426.4	4.9	-13.0	-48.2
WAIK13	407972	6216528	37073	37257	1/07/2001	1/01/2002	626.8	7.3	-13.0	-48.2
WAIK13	407972	6216528	37257	37438	1/01/2002	1/07/2002	531.6	6.2	-13.0	-48.2
WAIK13	407972	6216528	37438	37622	1/07/2002	1/01/2003	500.9	5.8	-13.0	-48.2
WAIK13	407972	6216528	37622	37803	1/01/2003	1/07/2003	596.4	6.9	-13.0	-48.2
WAIK13	407972	6216528	37803	37987	1/07/2003	1/01/2004	1681.5	19.5	-13.0	-48.2
WAIK13	407972	6216528	37987	38169	1/01/2004	1/07/2004	459.9	5.3	-13.0	-48.2
WAIK13	407972	6216528	38169	38353	1/07/2004	1/01/2005	657.0	7.6	-13.0	-48.2
WAIK13	407972	6216528	38353	38534	1/01/2005	1/07/2005	203.0	2.4	-13.0	-48.2
WAIK13	407972	6216528	38534	38718	1/07/2005	1/01/2006	331.6	3.8	-13.0	-48.2
WAIK13	407972	6216528	38718	38899	1/01/2006	1/07/2006	32.5	0.4	-13.0	-48.2
WAIK13	407972	6216528	38899	39083	1/07/2006	1/01/2007	506.8	5.9	-13.0	-48.2
WAIK13	407972	6216528	39083	39264	1/01/2007	1/07/2007	560.4	6.5	-13.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 8/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK13	407972	6216528	39264	39448	1/07/2007	1/01/2008	682.3	7.9	-13.0	-48.2
WAIK13	407972	6216528	39448	39630	1/01/2008	1/07/2008	553.4	6.4	-13.0	-48.2
WAIK13	407972	6216528	39630	39814	1/07/2008	1/01/2009	517.3	6.0	-13.0	-48.2
WAIK13	407972	6216528	39814	39995	1/01/2009	1/07/2009	517.3	6.0	-13.0	-48.2
WAIK13	407972	6216528	39995	40179	1/07/2009	1/01/2010	378.8	4.4	-13.0	-48.2
WAIK13	407972	6216528	40179	40360	1/01/2010	1/07/2010	405.4	4.7	-13.0	-48.2
WAIK13	407972	6216528	40360	40909	1/07/2010	1/01/2012	493.8	5.7	-13.0	-48.2
WAIK14	408651	6216487	Steady-state	33970	-	1/01/1993	0.0	0.0	-10.0	-48.2
WAIK14	408651	6216487	33970	34151	1/01/1993	1/07/1993	444.1	5.1	-10.0	-48.2
WAIK14	408651	6216487	34151	34516	1/07/1993	1/07/1994	474.4	5.5	-10.0	-48.2
WAIK14	408651	6216487	34516	34881	1/07/1994	1/07/1995	475.1	5.5	-10.0	-48.2
WAIK14	408651	6216487	34881	35247	1/07/1995	1/07/1996	453.7	5.3	-10.0	-48.2
WAIK14	408651	6216487	35247	35612	1/07/1996	1/07/1997	415.1	4.8	-10.0	-48.2
WAIK14	408651	6216487	35612	35977	1/07/1997	1/07/1998	454.7	5.3	-10.0	-48.2
WAIK14	408651	6216487	35977	36342	1/07/1998	1/07/1999	493.7	5.7	-10.0	-48.2
WAIK14	408651	6216487	36342	36708	1/07/1999	1/07/2000	386.2	4.5	-10.0	-48.2
WAIK14	408651	6216487	36708	37073	1/07/2000	1/07/2001	261.9	3.0	-10.0	-48.2
WAIK14	408651	6216487	37073	37257	1/07/2001	1/01/2002	407.0	4.7	-10.0	-48.2
WAIK14	408651	6216487	37257	37438	1/01/2002	1/07/2002	408.9	4.7	-10.0	-48.2
WAIK14	408651	6216487	37438	37622	1/07/2002	1/01/2003	398.7	4.6	-10.0	-48.2
WAIK14	408651	6216487	37622	37803	1/01/2003	1/07/2003	383.0	4.4	-10.0	-48.2
WAIK14	408651	6216487	37803	37987	1/07/2003	1/01/2004	63.3	0.7	-10.0	-48.2
WAIK14	408651	6216487	37987	38169	1/01/2004	1/07/2004	393.5	4.6	-10.0	-48.2
WAIK14	408651	6216487	38169	38353	1/07/2004	1/01/2005	384.1	4.4	-10.0	-48.2
WAIK14	408651	6216487	38353	40909	1/01/2005	1/01/2012	0.0	0.0	-10.0	-48.2
WAIK15	409179	6217003	Steady-state	33970	-	1/01/1993	0.0	0.0	-11.0	-48.2
WAIK15	409179	6217003	33970	34151	1/01/1993	1/07/1993	675.0	7.8	-11.0	-48.2
WAIK15	409179	6217003	34151	34516	1/07/1993	1/07/1994	774.3	9.0	-11.0	-48.2
WAIK15	409179	6217003	34516	34881	1/07/1994	1/07/1995	721.3	8.3	-11.0	-48.2
WAIK15	409179	6217003	34881	35247	1/07/1995	1/07/1996	788.1	9.1	-11.0	-48.2
WAIK15	409179	6217003	35247	35612	1/07/1996	1/07/1997	673.8	7.8	-11.0	-48.2
WAIK15	409179	6217003	35612	35977	1/07/1997	1/07/1998	630.4	7.3	-11.0	-48.2
WAIK15	409179	6217003	35977	36342	1/07/1998	1/07/1999	670.6	7.8	-11.0	-48.2
WAIK15	409179	6217003	36342	36708	1/07/1999	1/07/2000	650.6	7.5	-11.0	-48.2
WAIK15	409179	6217003	36708	37073	1/07/2000	1/07/2001	498.2	5.8	-11.0	-48.2
WAIK15	409179	6217003	37073	37257	1/07/2001	1/01/2002	104.7	1.2	-11.0	-48.2
WAIK15	409179	6217003	37257	37438	1/01/2002	1/07/2002	931.4	10.8	-11.0	-48.2
WAIK15	409179	6217003	37438	37622	1/07/2002	1/01/2003	672.5	7.8	-11.0	-48.2
WAIK15	409179	6217003	37622	37803	1/01/2003	1/07/2003	497.1	5.8	-11.0	-48.2
WAIK15	409179	6217003	37803	37987	1/07/2003	1/01/2004	41.1	0.5	-11.0	-48.2
WAIK15	409179	6217003	37987	38169	1/01/2004	1/07/2004	26.8	0.3	-11.0	-48.2
WAIK15	409179	6217003	38169	38353	1/07/2004	1/01/2005	330.2	3.8	-11.0	-48.2
WAIK15	409179	6217003	38353	38534	1/01/2005	1/07/2005	620.9	7.2	-11.0	-48.2
WAIK15	409179	6217003	38534	38718	1/07/2005	1/01/2006	235.8	2.7	-11.0	-48.2
WAIK15	409179	6217003	38718	38899	1/01/2006	1/07/2006	269.7	3.1	-11.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 9/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK15	409179	6217003	38899	39083	1/07/2006	1/01/2007	493.8	5.7	-11.0	-48.2
WAIK15	409179	6217003	39083	39264	1/01/2007	1/07/2007	409.1	4.7	-11.0	-48.2
WAIK15	409179	6217003	39264	39448	1/07/2007	1/01/2008	351.2	4.1	-11.0	-48.2
WAIK15	409179	6217003	39448	39630	1/01/2008	1/07/2008	263.4	3.0	-11.0	-48.2
WAIK15	409179	6217003	39630	39814	1/07/2008	1/01/2009	296.6	3.4	-11.0	-48.2
WAIK15	409179	6217003	39814	39995	1/01/2009	1/07/2009	296.6	3.4	-11.0	-48.2
WAIK15	409179	6217003	39995	40179	1/07/2009	1/01/2010	326.5	3.8	-11.0	-48.2
WAIK15	409179	6217003	40179	40360	1/01/2010	1/07/2010	187.6	2.2	-11.0	-48.2
WAIK15	409179	6217003	40360	40909	1/07/2010	1/01/2012	456.9	5.3	-11.0	-48.2
WAIK16	411220	6218842	Steady-state	33970	-	1/01/1993	0.0	0.0	-14.0	-48.2
WAIK16	411220	6218842	33970	34151	1/01/1993	1/07/1993	602.4	7.0	-14.0	-48.2
WAIK16	411220	6218842	34151	34516	1/07/1993	1/07/1994	653.6	7.6	-14.0	-48.2
WAIK16	411220	6218842	34516	34881	1/07/1994	1/07/1995	630.2	7.3	-14.0	-48.2
WAIK16	411220	6218842	34881	35247	1/07/1995	1/07/1996	388.3	4.5	-14.0	-48.2
WAIK16	411220	6218842	35247	35612	1/07/1996	1/07/1997	484.1	5.6	-14.0	-48.2
WAIK16	411220	6218842	35612	35977	1/07/1997	1/07/1998	640.1	7.4	-14.0	-48.2
WAIK16	411220	6218842	35977	36342	1/07/1998	1/07/1999	640.4	7.4	-14.0	-48.2
WAIK16	411220	6218842	36342	36708	1/07/1999	1/07/2000	617.1	7.1	-14.0	-48.2
WAIK16	411220	6218842	36708	37073	1/07/2000	1/07/2001	506.8	5.9	-14.0	-48.2
WAIK16	411220	6218842	37073	37257	1/07/2001	1/01/2002	638.1	7.4	-14.0	-48.2
WAIK16	411220	6218842	37257	37438	1/01/2002	1/07/2002	503.4	5.8	-14.0	-48.2
WAIK16	411220	6218842	37438	37622	1/07/2002	1/01/2003	480.7	5.6	-14.0	-48.2
WAIK16	411220	6218842	37622	37803	1/01/2003	1/07/2003	274.7	3.2	-14.0	-48.2
WAIK16	411220	6218842	37803	37987	1/07/2003	1/01/2004	163.4	1.9	-14.0	-48.2
WAIK16	411220	6218842	37987	38169	1/01/2004	1/07/2004	162.1	1.9	-14.0	-48.2
WAIK16	411220	6218842	38169	38353	1/07/2004	1/01/2005	696.7	8.1	-14.0	-48.2
WAIK16	411220	6218842	38353	38534	1/01/2005	1/07/2005	345.8	4.0	-14.0	-48.2
WAIK16	411220	6218842	38534	38718	1/07/2005	1/01/2006	498.9	5.8	-14.0	-48.2
WAIK16	411220	6218842	38718	38899	1/01/2006	1/07/2006	287.3	3.3	-14.0	-48.2
WAIK16	411220	6218842	38899	39083	1/07/2006	1/01/2007	362.5	4.2	-14.0	-48.2
WAIK16	411220	6218842	39083	39264	1/01/2007	1/07/2007	413.2	4.8	-14.0	-48.2
WAIK16	411220	6218842	39264	39448	1/07/2007	1/01/2008	437.3	5.1	-14.0	-48.2
WAIK16	411220	6218842	39448	39630	1/01/2008	1/07/2008	367.5	4.3	-14.0	-48.2
WAIK16	411220	6218842	39630	39814	1/07/2008	1/01/2009	255.6	3.0	-14.0	-48.2
WAIK16	411220	6218842	39814	39995	1/01/2009	1/07/2009	255.6	3.0	-14.0	-48.2
WAIK16	411220	6218842	39995	40179	1/07/2009	1/01/2010	369.1	4.3	-14.0	-48.2
WAIK16	411220	6218842	40179	40360	1/01/2010	1/07/2010	136.0	1.6	-14.0	-48.2
WAIK16	411220	6218842	40360	40909	1/07/2010	1/01/2012	62.1	0.7	-14.0	-48.2
WAIK17	411531	6218228	Steady-state	33970	-	1/01/1993	0.0	0.0	-13.0	-48.2
WAIK17	411531	6218228	33970	34151	1/01/1993	1/07/1993	575.3	6.7	-13.0	-48.2
WAIK17	411531	6218228	34151	34516	1/07/1993	1/07/1994	763.5	8.8	-13.0	-48.2
WAIK17	411531	6218228	34516	34881	1/07/1994	1/07/1995	719.0	8.3	-13.0	-48.2
WAIK17	411531	6218228	34881	35247	1/07/1995	1/07/1996	758.2	8.8	-13.0	-48.2
WAIK17	411531	6218228	35247	35612	1/07/1996	1/07/1997	592.2	6.9	-13.0	-48.2
WAIK17	411531	6218228	35612	35977	1/07/1997	1/07/1998	629.3	7.3	-13.0	-48.2

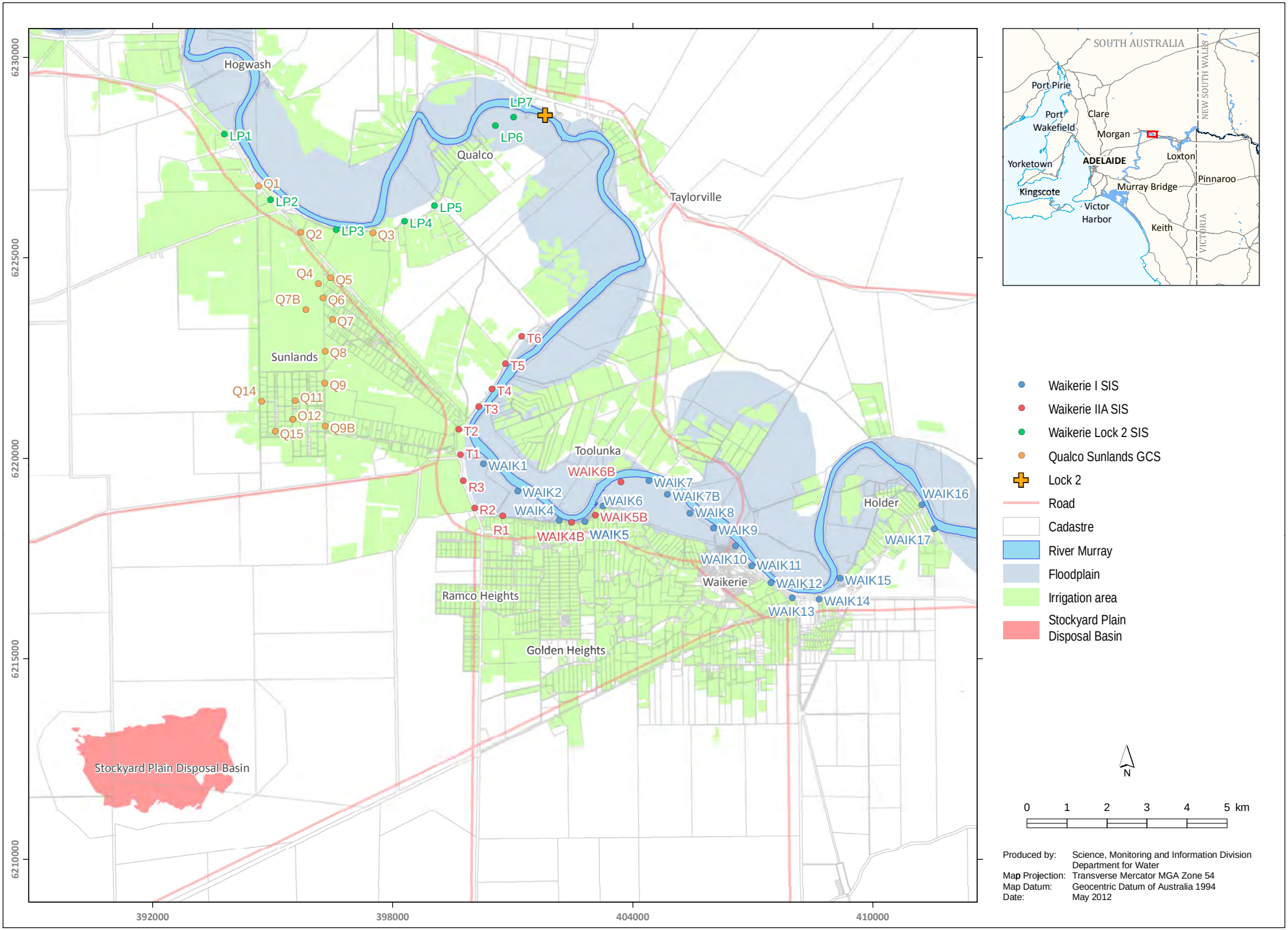
A-6. Model pumping rates for Waikerie I SIS
(Part 10/11)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK17	411531	6218228	35977	36342	1/07/1998	1/07/1999	678.0	7.8	-13.0	-48.2
WAIK17	411531	6218228	36342	36708	1/07/1999	1/07/2000	514.4	6.0	-13.0	-48.2
WAIK17	411531	6218228	36708	37073	1/07/2000	1/07/2001	511.5	5.9	-13.0	-48.2
WAIK17	411531	6218228	37073	37257	1/07/2001	1/01/2002	789.0	9.1	-13.0	-48.2
WAIK17	411531	6218228	37257	37438	1/01/2002	1/07/2002	521.0	6.0	-13.0	-48.2
WAIK17	411531	6218228	37438	37622	1/07/2002	1/01/2003	425.7	4.9	-13.0	-48.2
WAIK17	411531	6218228	37622	37803	1/01/2003	1/07/2003	562.0	6.5	-13.0	-48.2
WAIK17	411531	6218228	37803	37987	1/07/2003	1/01/2004	634.8	7.3	-13.0	-48.2
WAIK17	411531	6218228	37987	38169	1/01/2004	1/07/2004	592.5	6.9	-13.0	-48.2
WAIK17	411531	6218228	38169	38353	1/07/2004	1/01/2005	485.9	5.6	-13.0	-48.2
WAIK17	411531	6218228	38353	38534	1/01/2005	1/07/2005	182.8	2.1	-13.0	-48.2
WAIK17	411531	6218228	38534	38718	1/07/2005	1/01/2006	484.0	5.6	-13.0	-48.2
WAIK17	411531	6218228	38718	38899	1/01/2006	1/07/2006	347.4	4.0	-13.0	-48.2
WAIK17	411531	6218228	38899	39083	1/07/2006	1/01/2007	263.5	3.1	-13.0	-48.2
WAIK17	411531	6218228	39083	39264	1/01/2007	1/07/2007	547.0	6.3	-13.0	-48.2
WAIK17	411531	6218228	39264	39448	1/07/2007	1/01/2008	716.3	8.3	-13.0	-48.2
WAIK17	411531	6218228	39448	39630	1/01/2008	1/07/2008	558.2	6.5	-13.0	-48.2
WAIK17	411531	6218228	39630	39814	1/07/2008	1/01/2009	692.2	8.0	-13.0	-48.2
WAIK17	411531	6218228	39814	39995	1/01/2009	1/07/2009	692.2	8.0	-13.0	-48.2
WAIK17	411531	6218228	39995	40179	1/07/2009	1/01/2010	646.3	7.5	-13.0	-48.2
WAIK17	411531	6218228	40179	40360	1/01/2010	1/07/2010	404.1	4.7	-13.0	-48.2
WAIK17	411531	6218228	40360	40909	1/07/2010	1/01/2012	544.3	6.3	-13.0	-48.2

A-6. Model pumping rates for Waikerie I SIS
(Part 11/11)

A-7 HISTORICAL MODEL INPUT – PUMPING RATES FOR QSTGCS

- Location of pumping wells
- Model pumping rates



A-7. SIS and GCS pumping well location

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q1	394638	6226793	Steady-state	36708	-	1/07/2000	0.0	0.0	-32.6	-66.7
Q1	394638	6226793	36708	37073	1/07/2000	1/07/2001	181.5	2.1	-32.6	-66.7
Q1	394638	6226793	37073	37257	1/07/2001	1/01/2002	320.2	3.7	-32.6	-66.7
Q1	394638	6226793	37257	37438	1/01/2002	1/07/2002	286.5	3.3	-32.6	-66.7
Q1	394638	6226793	37438	37622	1/07/2002	1/01/2003	347.1	4.0	-32.6	-66.7
Q1	394638	6226793	37622	37803	1/01/2003	1/07/2003	324.1	3.8	-32.6	-66.7
Q1	394638	6226793	37803	37987	1/07/2003	1/01/2004	57.2	0.7	-32.6	-66.7
Q1	394638	6226793	37987	38169	1/01/2004	1/07/2004	179.6	2.1	-32.6	-66.7
Q1	394638	6226793	38169	38353	1/07/2004	1/01/2005	407.9	4.7	-32.6	-66.7
Q1	394638	6226793	38353	38534	1/01/2005	1/07/2005	348.0	4.0	-32.6	-66.7
Q1	394638	6226793	38534	38718	1/07/2005	1/01/2006	205.3	2.4	-32.6	-66.7
Q1	394638	6226793	38718	38899	1/01/2006	1/07/2006	359.6	4.2	-32.6	-66.7
Q1	394638	6226793	38899	39083	1/07/2006	1/01/2007	381.2	4.4	-32.6	-66.7
Q1	394638	6226793	39083	39264	1/01/2007	1/07/2007	332.6	3.8	-32.6	-66.7
Q1	394638	6226793	39264	39448	1/07/2007	1/01/2008	348.8	4.0	-32.6	-66.7
Q1	394638	6226793	39448	39630	1/01/2008	1/07/2008	303.7	3.5	-32.6	-66.7
Q1	394638	6226793	39630	39814	1/07/2008	1/01/2009	353.6	4.1	-32.6	-66.7
Q1	394638	6226793	39814	39995	1/01/2009	1/07/2009	353.6	4.1	-32.6	-66.7
Q1	394638	6226793	39995	40179	1/07/2009	1/01/2010	272.6	3.2	-32.6	-66.7
Q1	394638	6226793	40179	40360	1/01/2010	1/07/2010	269.0	3.1	-32.6	-66.7
Q1	394638	6226793	40360	40909	1/07/2010	1/01/2012	256.8	3.0	-32.6	-66.7
Q2	395694	6225638	Steady-state	36708	-	1/07/2000	0.0	0.0	0.8	-68.6
Q2	395694	6225638	36708	37073	1/07/2000	1/07/2001	238.1	2.8	0.8	-68.6
Q2	395694	6225638	37073	37257	1/07/2001	1/01/2002	454.7	5.3	0.8	-68.6
Q2	395694	6225638	37257	37438	1/01/2002	1/07/2002	358.2	4.1	0.8	-68.6
Q2	395694	6225638	37438	37622	1/07/2002	1/01/2003	391.5	4.5	0.8	-68.6
Q2	395694	6225638	37622	37803	1/01/2003	1/07/2003	406.2	4.7	0.8	-68.6
Q2	395694	6225638	37803	37987	1/07/2003	1/01/2004	420.7	4.9	0.8	-68.6
Q2	395694	6225638	37987	38169	1/01/2004	1/07/2004	311.4	3.6	0.8	-68.6
Q2	395694	6225638	38169	38353	1/07/2004	1/01/2005	364.5	4.2	0.8	-68.6
Q2	395694	6225638	38353	38534	1/01/2005	1/07/2005	344.4	4.0	0.8	-68.6
Q2	395694	6225638	38534	38718	1/07/2005	1/01/2006	332.0	3.8	0.8	-68.6
Q2	395694	6225638	38718	38899	1/01/2006	1/07/2006	183.0	2.1	0.8	-68.6
Q2	395694	6225638	38899	39083	1/07/2006	1/01/2007	442.9	5.1	0.8	-68.6
Q2	395694	6225638	39083	39264	1/01/2007	1/07/2007	427.1	4.9	0.8	-68.6
Q2	395694	6225638	39264	39448	1/07/2007	1/01/2008	499.0	5.8	0.8	-68.6
Q2	395694	6225638	39448	39630	1/01/2008	1/07/2008	481.9	5.6	0.8	-68.6
Q2	395694	6225638	39630	39814	1/07/2008	1/01/2009	399.2	4.6	0.8	-68.6
Q2	395694	6225638	39814	39995	1/01/2009	1/07/2009	399.2	4.6	0.8	-68.6
Q2	395694	6225638	39995	40179	1/07/2009	1/01/2010	253.1	2.9	0.8	-68.6
Q2	395694	6225638	40179	40360	1/01/2010	1/07/2010	273.9	3.2	0.8	-68.6
Q2	395694	6225638	40360	40909	1/07/2010	1/01/2012	294.7	3.4	0.8	-68.6
Q3	397501	6225599	Steady-state	36708	-	1/07/2000	0.0	0.0	7.4	-55.9
Q3	397501	6225599	36708	37073	1/07/2000	1/07/2001	262.4	3.0	7.4	-55.9
Q3	397501	6225599	37073	37257	1/07/2001	1/01/2002	405.5	4.7	7.4	-55.9

A-7. Model pumping rates for QSTGCS
(Part 1/7)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q3	397501	6225599	37257	37438	1/01/2002	1/07/2002	348.1	4.0	7.4	-55.9
Q3	397501	6225599	37438	37622	1/07/2002	1/01/2003	378.4	4.4	7.4	-55.9
Q3	397501	6225599	37622	37803	1/01/2003	1/07/2003	393.5	4.6	7.4	-55.9
Q3	397501	6225599	37803	37987	1/07/2003	1/01/2004	351.7	4.1	7.4	-55.9
Q3	397501	6225599	37987	38169	1/01/2004	1/07/2004	351.7	4.1	7.4	-55.9
Q3	397501	6225599	38169	38353	1/07/2004	1/01/2005	374.6	4.3	7.4	-55.9
Q3	397501	6225599	38353	38534	1/01/2005	1/07/2005	366.9	4.2	7.4	-55.9
Q3	397501	6225599	38534	38718	1/07/2005	1/01/2006	346.3	4.0	7.4	-55.9
Q3	397501	6225599	38718	38899	1/01/2006	1/07/2006	147.4	1.7	7.4	-55.9
Q3	397501	6225599	38899	39083	1/07/2006	1/01/2007	318.5	3.7	7.4	-55.9
Q3	397501	6225599	39083	39264	1/01/2007	1/07/2007	303.8	3.5	7.4	-55.9
Q3	397501	6225599	39264	39448	1/07/2007	1/01/2008	301.7	3.5	7.4	-55.9
Q3	397501	6225599	39448	39630	1/01/2008	1/07/2008	327.9	3.8	7.4	-55.9
Q3	397501	6225599	39630	39814	1/07/2008	1/01/2009	236.8	2.7	7.4	-55.9
Q3	397501	6225599	39814	39995	1/01/2009	1/07/2009	236.8	2.7	7.4	-55.9
Q3	397501	6225599	39995	40179	1/07/2009	1/01/2010	197.5	2.3	7.4	-55.9
Q3	397501	6225599	40179	40360	1/01/2010	1/07/2010	226.9	2.6	7.4	-55.9
Q3	397501	6225599	40360	40909	1/07/2010	1/01/2012	266.9	3.1	7.4	-55.9
Q4	396137	6224351	Steady-state	36708	-	1/07/2000	0.0	0.0	7.3	-46.7
Q4	396137	6224351	36708	37073	1/07/2000	1/07/2001	361.2	4.2	7.3	-46.7
Q4	396137	6224351	37073	37257	1/07/2001	1/01/2002	318.7	3.7	7.3	-46.7
Q4	396137	6224351	37257	37438	1/01/2002	1/07/2002	313.0	3.6	7.3	-46.7
Q4	396137	6224351	37438	37622	1/07/2002	1/01/2003	362.1	4.2	7.3	-46.7
Q4	396137	6224351	37622	37803	1/01/2003	1/07/2003	354.4	4.1	7.3	-46.7
Q4	396137	6224351	37803	37987	1/07/2003	1/01/2004	205.0	2.4	7.3	-46.7
Q4	396137	6224351	37987	38169	1/01/2004	1/07/2004	183.4	2.1	7.3	-46.7
Q4	396137	6224351	38169	38353	1/07/2004	1/01/2005	185.3	2.1	7.3	-46.7
Q4	396137	6224351	38353	38534	1/01/2005	1/07/2005	195.7	2.3	7.3	-46.7
Q4	396137	6224351	38534	38718	1/07/2005	1/01/2006	203.0	2.3	7.3	-46.7
Q4	396137	6224351	38718	38899	1/01/2006	1/07/2006	200.0	2.3	7.3	-46.7
Q4	396137	6224351	38899	39083	1/07/2006	1/01/2007	179.9	2.1	7.3	-46.7
Q4	396137	6224351	39083	39264	1/01/2007	1/07/2007	112.4	1.3	7.3	-46.7
Q4	396137	6224351	39264	39448	1/07/2007	1/01/2008	44.1	0.5	7.3	-46.7
Q4	396137	6224351	39448	39630	1/01/2008	1/07/2008	43.9	0.5	7.3	-46.7
Q4	396137	6224351	39630	39814	1/07/2008	1/01/2009	42.7	0.5	7.3	-46.7
Q4	396137	6224351	39814	39995	1/01/2009	1/07/2009	42.7	0.5	7.3	-46.7
Q4	396137	6224351	39995	40179	1/07/2009	1/01/2010	33.4	0.4	7.3	-46.7
Q4	396137	6224351	40179	40360	1/01/2010	1/07/2010	38.3	0.4	7.3	-46.7
Q4	396137	6224351	40360	40909	1/07/2010	1/01/2012	119.2	1.4	7.3	-46.7
Q5	396442	6224504	Steady-state	36708	-	1/07/2000	0.0	0.0	7.3	-45.0
Q5	396442	6224504	36708	37073	1/07/2000	1/07/2001	335.7	3.9	7.3	-45.0
Q5	396442	6224504	37073	37257	1/07/2001	1/01/2002	349.8	4.0	7.3	-45.0
Q5	396442	6224504	37257	37438	1/01/2002	1/07/2002	0.0	0.0	7.3	-45.0
Q5	396442	6224504	37438	37622	1/07/2002	1/01/2003	388.9	4.5	7.3	-45.0
Q5	396442	6224504	37622	37803	1/01/2003	1/07/2003	391.4	4.5	7.3	-45.0

A-7. Model pumping rates for QSTGCS
(Part 2/7)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q5	396442	6224504	37803	37987	1/07/2003	1/01/2004	207.4	2.4	7.3	-45.0
Q5	396442	6224504	37987	38169	1/01/2004	1/07/2004	181.9	2.1	7.3	-45.0
Q5	396442	6224504	38169	38353	1/07/2004	1/01/2005	252.5	2.9	7.3	-45.0
Q5	396442	6224504	38353	38534	1/01/2005	1/07/2005	212.1	2.5	7.3	-45.0
Q5	396442	6224504	38534	38718	1/07/2005	1/01/2006	184.9	2.1	7.3	-45.0
Q5	396442	6224504	38718	38899	1/01/2006	1/07/2006	153.2	1.8	7.3	-45.0
Q5	396442	6224504	38899	39083	1/07/2006	1/01/2007	132.8	1.5	7.3	-45.0
Q5	396442	6224504	39083	39264	1/01/2007	1/07/2007	139.1	1.6	7.3	-45.0
Q5	396442	6224504	39264	39448	1/07/2007	1/01/2008	38.0	0.4	7.3	-45.0
Q5	396442	6224504	39448	39630	1/01/2008	1/07/2008	61.2	0.7	7.3	-45.0
Q5	396442	6224504	39630	39814	1/07/2008	1/01/2009	47.4	0.5	7.3	-45.0
Q5	396442	6224504	39814	39995	1/01/2009	1/07/2009	47.4	0.5	7.3	-45.0
Q5	396442	6224504	39995	40179	1/07/2009	1/01/2010	0.2	0.0	7.3	-45.0
Q5	396442	6224504	40179	40360	1/01/2010	1/07/2010	0.0	0.0	7.3	-45.0
Q5	396442	6224504	40360	40909	1/07/2010	1/01/2012	0.0	0.0	7.3	-45.0
Q6	396255	6223987	Steady-state	36708	-	1/07/2000	0.0	0.0	7.3	-40.0
Q6	396255	6223987	36708	37073	1/07/2000	1/07/2001	242.7	2.8	7.3	-40.0
Q6	396255	6223987	37073	37257	1/07/2001	1/01/2002	291.2	3.4	7.3	-40.0
Q6	396255	6223987	37257	37438	1/01/2002	1/07/2002	240.9	2.8	7.3	-40.0
Q6	396255	6223987	37438	37622	1/07/2002	1/01/2003	291.9	3.4	7.3	-40.0
Q6	396255	6223987	37622	37803	1/01/2003	1/07/2003	141.0	1.6	7.3	-40.0
Q6	396255	6223987	37803	37987	1/07/2003	1/01/2004	242.0	2.8	7.3	-40.0
Q6	396255	6223987	37987	38169	1/01/2004	1/07/2004	210.2	2.4	7.3	-40.0
Q6	396255	6223987	38169	38353	1/07/2004	1/01/2005	240.9	2.8	7.3	-40.0
Q6	396255	6223987	38353	38534	1/01/2005	1/07/2005	242.7	2.8	7.3	-40.0
Q6	396255	6223987	38534	38718	1/07/2005	1/01/2006	246.8	2.9	7.3	-40.0
Q6	396255	6223987	38718	38899	1/01/2006	1/07/2006	247.9	2.9	7.3	-40.0
Q6	396255	6223987	38899	39083	1/07/2006	1/01/2007	226.4	2.6	7.3	-40.0
Q6	396255	6223987	39083	39264	1/01/2007	1/07/2007	152.2	1.8	7.3	-40.0
Q6	396255	6223987	39264	39448	1/07/2007	1/01/2008	44.5	0.5	7.3	-40.0
Q6	396255	6223987	39448	39630	1/01/2008	1/07/2008	8.1	0.1	7.3	-40.0
Q6	396255	6223987	39630	39814	1/07/2008	1/01/2009	0.0	0.0	7.3	-40.0
Q6	396255	6223987	39814	39995	1/01/2009	1/07/2009	36.5	0.4	7.3	-40.0
Q6	396255	6223987	39995	40179	1/07/2009	1/01/2010	30.5	0.4	7.3	-40.0
Q6	396255	6223987	40179	40360	1/01/2010	1/07/2010	38.6	0.4	7.3	-40.0
Q6	396255	6223987	40360	40909	1/07/2010	1/01/2012	159.1	1.8	7.3	-40.0
Q7	396482	6223465	Steady-state	36708	-	1/07/2000	0.0	0.0	-34.7	-58.7
Q7	396482	6223465	36708	37073	1/07/2000	1/07/2001	177.7	2.1	-34.7	-58.7
Q7	396482	6223465	37073	37257	1/07/2001	1/01/2002	116.8	1.4	-34.7	-58.7
Q7	396482	6223465	37257	37438	1/01/2002	1/07/2002	167.8	1.9	-34.7	-58.7
Q7	396482	6223465	37438	37622	1/07/2002	1/01/2003	181.7	2.1	-34.7	-58.7
Q7	396482	6223465	37622	37803	1/01/2003	1/07/2003	52.4	0.6	-34.7	-58.7
Q7	396482	6223465	37803	37987	1/07/2003	1/01/2004	192.2	2.2	-34.7	-58.7
Q7	396482	6223465	37987	38169	1/01/2004	1/07/2004	123.0	1.4	-34.7	-58.7
Q7	396482	6223465	38169	38353	1/07/2004	1/01/2005	156.1	1.8	-34.7	-58.7

A-7. Model pumping rates for QSTGCS
(Part 3/7)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q7	396482	6223465	38353	38534	1/01/2005	1/07/2005	102.3	1.2	-34.7	-58.7
Q7	396482	6223465	38534	38718	1/07/2005	1/01/2006	84.9	1.0	-34.7	-58.7
Q7	396482	6223465	38718	38899	1/01/2006	1/07/2006	65.6	0.8	-34.7	-58.7
Q7	396482	6223465	38899	39083	1/07/2006	1/01/2007	14.9	0.2	-34.7	-58.7
Q7	396482	6223465	39083	39264	1/01/2007	1/07/2007	0.0	0.0	-34.7	-58.7
Q7	396482	6223465	39264	39448	1/07/2007	1/01/2008	44.9	0.5	-34.7	-58.7
Q7	396482	6223465	39448	39630	1/01/2008	1/07/2008	30.4	0.4	-34.7	-58.7
Q7	396482	6223465	39630	39814	1/07/2008	1/01/2009	22.4	0.3	-34.7	-58.7
Q7	396482	6223465	39814	39995	1/01/2009	1/07/2009	22.4	0.3	-34.7	-58.7
Q7	396482	6223465	39995	40179	1/07/2009	1/01/2010	22.4	0.3	-34.7	-58.7
Q7	396482	6223465	40179	40360	1/01/2010	1/07/2010	15.6	0.2	-34.7	-58.7
Q7	396482	6223465	40360	40909	1/07/2010	1/01/2012	85.3	1.0	-34.7	-58.7
Q7B	395819	6223698	Steady-state	36708	-	1/07/2000	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	36708	37073	1/07/2000	1/07/2001	93.6	1.1	-32.7	-57.7
Q7B	395819	6223698	37073	37257	1/07/2001	1/01/2002	79.1	0.9	-32.7	-57.7
Q7B	395819	6223698	37257	37438	1/01/2002	1/07/2002	62.2	0.7	-32.7	-57.7
Q7B	395819	6223698	37438	37622	1/07/2002	1/01/2003	39.8	0.5	-32.7	-57.7
Q7B	395819	6223698	37622	37803	1/01/2003	1/07/2003	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	37803	37987	1/07/2003	1/01/2004	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	37987	38169	1/01/2004	1/07/2004	86.8	1.0	-32.7	-57.7
Q7B	395819	6223698	38169	38353	1/07/2004	1/01/2005	93.1	1.1	-32.7	-57.7
Q7B	395819	6223698	38353	38534	1/01/2005	1/07/2005	74.8	0.9	-32.7	-57.7
Q7B	395819	6223698	38534	38718	1/07/2005	1/01/2006	99.6	1.2	-32.7	-57.7
Q7B	395819	6223698	38718	38899	1/01/2006	1/07/2006	83.9	1.0	-32.7	-57.7
Q7B	395819	6223698	38899	39083	1/07/2006	1/01/2007	12.4	0.1	-32.7	-57.7
Q7B	395819	6223698	39083	39264	1/01/2007	1/07/2007	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	39264	39448	1/07/2007	1/01/2008	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	39448	39630	1/01/2008	1/07/2008	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	39630	39814	1/07/2008	1/01/2009	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	39814	39995	1/01/2009	1/07/2009	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	39995	40179	1/07/2009	1/01/2010	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	40179	40360	1/01/2010	1/07/2010	0.0	0.0	-32.7	-57.7
Q7B	395819	6223698	40360	40909	1/07/2010	1/01/2012	0.0	0.0	-32.7	-57.7
Q8	396302	6222673	Steady-state	36708	-	1/07/2000	0.0	0.0	-20.4	-78.4
Q8	396302	6222673	36708	37073	1/07/2000	1/07/2001	703.0	8.1	-20.4	-78.4
Q8	396302	6222673	37073	37257	1/07/2001	1/01/2002	536.5	6.2	-20.4	-78.4
Q8	396302	6222673	37257	37438	1/01/2002	1/07/2002	443.4	5.1	-20.4	-78.4
Q8	396302	6222673	37438	37622	1/07/2002	1/01/2003	461.3	5.3	-20.4	-78.4
Q8	396302	6222673	37622	37803	1/01/2003	1/07/2003	509.3	5.9	-20.4	-78.4
Q8	396302	6222673	37803	37987	1/07/2003	1/01/2004	286.8	3.3	-20.4	-78.4
Q8	396302	6222673	37987	38169	1/01/2004	1/07/2004	252.4	2.9	-20.4	-78.4
Q8	396302	6222673	38169	38353	1/07/2004	1/01/2005	208.6	2.4	-20.4	-78.4
Q8	396302	6222673	38353	38534	1/01/2005	1/07/2005	191.9	2.2	-20.4	-78.4
Q8	396302	6222673	38534	38718	1/07/2005	1/01/2006	134.9	1.6	-20.4	-78.4
Q8	396302	6222673	38718	38899	1/01/2006	1/07/2006	123.7	1.4	-20.4	-78.4

A-7. Model pumping rates for QSTGCS
(Part 4/7)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q8	396302	6222673	38899	39083	1/07/2006	1/01/2007	254.4	2.9	-20.4	-78.4
Q8	396302	6222673	39083	39264	1/01/2007	1/07/2007	239.3	2.8	-20.4	-78.4
Q8	396302	6222673	39264	39448	1/07/2007	1/01/2008	94.5	1.1	-20.4	-78.4
Q8	396302	6222673	39448	39630	1/01/2008	1/07/2008	53.6	0.6	-20.4	-78.4
Q8	396302	6222673	39630	39814	1/07/2008	1/01/2009	69.7	0.8	-20.4	-78.4
Q8	396302	6222673	39814	39995	1/01/2009	1/07/2009	69.7	0.8	-20.4	-78.4
Q8	396302	6222673	39995	40179	1/07/2009	1/01/2010	67.3	0.8	-20.4	-78.4
Q8	396302	6222673	40179	40360	1/01/2010	1/07/2010	81.3	0.9	-20.4	-78.4
Q8	396302	6222673	40360	40909	1/07/2010	1/01/2012	238.9	2.8	-20.4	-78.4
Q9	396293	6221867	Steady-state	36708	-	1/07/2000	0.0	0.0	7.4	-21.6
Q9	396293	6221867	36708	37073	1/07/2000	1/07/2001	89.6	1.0	7.4	-21.6
Q9	396293	6221867	37073	37257	1/07/2001	1/01/2002	46.3	0.5	7.4	-21.6
Q9	396293	6221867	37257	37438	1/01/2002	1/07/2002	52.9	0.6	7.4	-21.6
Q9	396293	6221867	37438	37622	1/07/2002	1/01/2003	59.3	0.7	7.4	-21.6
Q9	396293	6221867	37622	37803	1/01/2003	1/07/2003	54.6	0.6	7.4	-21.6
Q9	396293	6221867	37803	37987	1/07/2003	1/01/2004	22.5	0.3	7.4	-21.6
Q9	396293	6221867	37987	38169	1/01/2004	1/07/2004	58.7	0.7	7.4	-21.6
Q9	396293	6221867	38169	38353	1/07/2004	1/01/2005	47.1	0.5	7.4	-21.6
Q9	396293	6221867	38353	38534	1/01/2005	1/07/2005	58.2	0.7	7.4	-21.6
Q9	396293	6221867	38534	38718	1/07/2005	1/01/2006	38.9	0.5	7.4	-21.6
Q9	396293	6221867	38718	38899	1/01/2006	1/07/2006	39.5	0.5	7.4	-21.6
Q9	396293	6221867	38899	39083	1/07/2006	1/01/2007	35.7	0.4	7.4	-21.6
Q9	396293	6221867	39083	39264	1/01/2007	1/07/2007	23.3	0.3	7.4	-21.6
Q9	396293	6221867	39264	39448	1/07/2007	1/01/2008	5.6	0.1	7.4	-21.6
Q9	396293	6221867	39448	39630	1/01/2008	1/07/2008	0.7	0.0	7.4	-21.6
Q9	396293	6221867	39630	39814	1/07/2008	1/01/2009	0.0	0.0	7.4	-21.6
Q9	396293	6221867	39814	39995	1/01/2009	1/07/2009	0.0	0.0	7.4	-21.6
Q9	396293	6221867	39995	40179	1/07/2009	1/01/2010	0.0	0.0	7.4	-21.6
Q9	396293	6221867	40179	40360	1/01/2010	1/07/2010	0.0	0.0	7.4	-21.6
Q9	396293	6221867	40360	40909	1/07/2010	1/01/2012	0.0	0.0	7.4	-21.6
Q9B	396307	6220807	Steady-state	36708	-	1/07/2000	0.0	0.0	7.7	-43.0
Q9B	396307	6220807	36708	37073	1/07/2000	1/07/2001	261.7	3.0	7.7	-43.0
Q9B	396307	6220807	37073	37257	1/07/2001	1/01/2002	282.5	3.3	7.7	-43.0
Q9B	396307	6220807	37257	37438	1/01/2002	1/07/2002	318.8	3.7	7.7	-43.0
Q9B	396307	6220807	37438	37622	1/07/2002	1/01/2003	369.4	4.3	7.7	-43.0
Q9B	396307	6220807	37622	37803	1/01/2003	1/07/2003	368.8	4.3	7.7	-43.0
Q9B	396307	6220807	37803	37987	1/07/2003	1/01/2004	373.6	4.3	7.7	-43.0
Q9B	396307	6220807	37987	38169	1/01/2004	1/07/2004	369.6	4.3	7.7	-43.0
Q9B	396307	6220807	38169	38353	1/07/2004	1/01/2005	325.7	3.8	7.7	-43.0
Q9B	396307	6220807	38353	38534	1/01/2005	1/07/2005	349.1	4.0	7.7	-43.0
Q9B	396307	6220807	38534	38718	1/07/2005	1/01/2006	324.2	3.8	7.7	-43.0
Q9B	396307	6220807	38718	38899	1/01/2006	1/07/2006	351.5	4.1	7.7	-43.0
Q9B	396307	6220807	38899	39083	1/07/2006	1/01/2007	321.0	3.7	7.7	-43.0
Q9B	396307	6220807	39083	39264	1/01/2007	1/07/2007	339.1	3.9	7.7	-43.0
Q9B	396307	6220807	39264	39448	1/07/2007	1/01/2008	53.1	0.6	7.7	-43.0

A-7. Model pumping rates for QSTGCS
(Part 5/7)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q9B	396307	6220807	39448	39630	1/01/2008	1/07/2008	54.7	0.6	7.7	-43.0
Q9B	396307	6220807	39630	39814	1/07/2008	1/01/2009	30.2	0.3	7.7	-43.0
Q9B	396307	6220807	39814	39995	1/01/2009	1/07/2009	30.2	0.3	7.7	-43.0
Q9B	396307	6220807	39995	40179	1/07/2009	1/01/2010	39.2	0.5	7.7	-43.0
Q9B	396307	6220807	40179	40360	1/01/2010	1/07/2010	52.4	0.6	7.7	-43.0
Q9B	396307	6220807	40360	40909	1/07/2010	1/01/2012	151.3	1.8	7.7	-43.0
Q11	395557	6221433	Steady-state	36708	-	1/07/2000	0.0	0.0	-14.5	-77.5
Q11	395557	6221433	36708	37073	1/07/2000	1/07/2001	507.8	5.9	-14.5	-77.5
Q11	395557	6221433	37073	37257	1/07/2001	1/01/2002	507.1	5.9	-14.5	-77.5
Q11	395557	6221433	37257	37438	1/01/2002	1/07/2002	455.3	5.3	-14.5	-77.5
Q11	395557	6221433	37438	37622	1/07/2002	1/01/2003	498.4	5.8	-14.5	-77.5
Q11	395557	6221433	37622	37803	1/01/2003	1/07/2003	428.5	5.0	-14.5	-77.5
Q11	395557	6221433	37803	37987	1/07/2003	1/01/2004	355.9	4.1	-14.5	-77.5
Q11	395557	6221433	37987	38169	1/01/2004	1/07/2004	404.8	4.7	-14.5	-77.5
Q11	395557	6221433	38169	38353	1/07/2004	1/01/2005	266.3	3.1	-14.5	-77.5
Q11	395557	6221433	38353	38534	1/01/2005	1/07/2005	223.6	2.6	-14.5	-77.5
Q11	395557	6221433	38534	38718	1/07/2005	1/01/2006	184.5	2.1	-14.5	-77.5
Q11	395557	6221433	38718	38899	1/01/2006	1/07/2006	73.2	0.8	-14.5	-77.5
Q11	395557	6221433	38899	39083	1/07/2006	1/01/2007	88.7	1.0	-14.5	-77.5
Q11	395557	6221433	39083	39264	1/01/2007	1/07/2007	573.3	6.6	-14.5	-77.5
Q11	395557	6221433	39264	39448	1/07/2007	1/01/2008	88.3	1.0	-14.5	-77.5
Q11	395557	6221433	39448	39630	1/01/2008	1/07/2008	32.9	0.4	-14.5	-77.5
Q11	395557	6221433	39630	39814	1/07/2008	1/01/2009	0.0	0.0	-14.5	-77.5
Q11	395557	6221433	39814	39995	1/01/2009	1/07/2009	0.0	0.0	-14.5	-77.5
Q11	395557	6221433	39995	40179	1/07/2009	1/01/2010	4.4	0.1	-14.5	-77.5
Q11	395557	6221433	40179	40360	1/01/2010	1/07/2010	3.8	0.0	-14.5	-77.5
Q11	395557	6221433	40360	40909	1/07/2010	1/01/2012	7.2	0.1	-14.5	-77.5
Q12	395496	6220970	Steady-state	36708	-	1/07/2000	0.0	0.0	-40.6	-70.6
Q12	395496	6220970	36708	37073	1/07/2000	1/07/2001	633.5	7.3	-40.6	-70.6
Q12	395496	6220970	37073	37257	1/07/2001	1/01/2002	304.6	3.5	-40.6	-70.6
Q12	395496	6220970	37257	37438	1/01/2002	1/07/2002	0.0	0.0	-40.6	-70.6
Q12	395496	6220970	37438	37622	1/07/2002	1/01/2003	307.8	3.6	-40.6	-70.6
Q12	395496	6220970	37622	37803	1/01/2003	1/07/2003	352.4	4.1	-40.6	-70.6
Q12	395496	6220970	37803	37987	1/07/2003	1/01/2004	26.0	0.3	-40.6	-70.6
Q12	395496	6220970	37987	38169	1/01/2004	1/07/2004	0.0	0.0	-40.6	-70.6
Q12	395496	6220970	38169	38353	1/07/2004	1/01/2005	80.1	0.9	-40.6	-70.6
Q12	395496	6220970	38353	38534	1/01/2005	1/07/2005	121.9	1.4	-40.6	-70.6
Q12	395496	6220970	38534	38718	1/07/2005	1/01/2006	119.3	1.4	-40.6	-70.6
Q12	395496	6220970	38718	38899	1/01/2006	1/07/2006	107.1	1.2	-40.6	-70.6
Q12	395496	6220970	38899	39083	1/07/2006	1/01/2007	72.4	0.8	-40.6	-70.6
Q12	395496	6220970	39083	39264	1/01/2007	1/07/2007	88.5	1.0	-40.6	-70.6
Q12	395496	6220970	39264	39448	1/07/2007	1/01/2008	26.2	0.3	-40.6	-70.6
Q12	395496	6220970	39448	39630	1/01/2008	1/07/2008	31.8	0.4	-40.6	-70.6
Q12	395496	6220970	39630	39814	1/07/2008	1/01/2009	31.4	0.4	-40.6	-70.6
Q12	395496	6220970	39814	39995	1/01/2009	1/07/2009	31.4	0.4	-40.6	-70.6

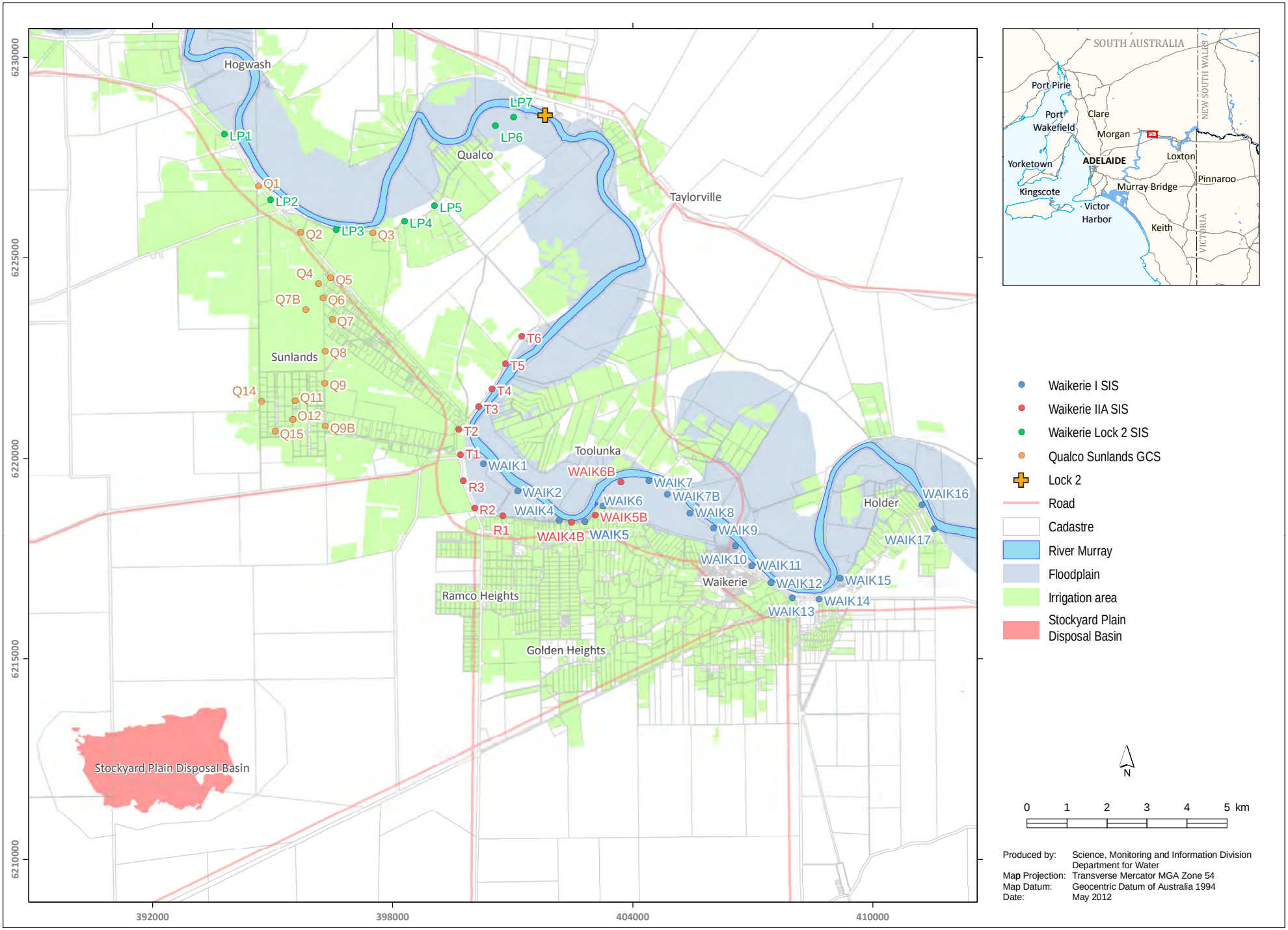
A-7. Model pumping rates for QSTGCS
(Part 6/7)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
Q12	395496	6220970	39995	40179	1/07/2009	1/01/2010	10.0	0.1	-40.6	-70.6
Q12	395496	6220970	40179	40360	1/01/2010	1/07/2010	9.8	0.1	-40.6	-70.6
Q12	395496	6220970	40360	40909	1/07/2010	1/01/2012	32.1	0.4	-40.6	-70.6
Q14	394718	6221410	Steady-state	36708	-	1/07/2000	0.0	0.0	6.7	2.8
Q14	394718	6221410	36708	37073	1/07/2000	1/07/2001	753.9	8.7	6.7	2.8
Q14	394718	6221410	37073	37257	1/07/2001	1/01/2002	707.0	8.2	6.7	2.8
Q14	394718	6221410	37257	37438	1/01/2002	1/07/2002	578.5	6.7	6.7	2.8
Q14	394718	6221410	37438	37622	1/07/2002	1/01/2003	816.6	9.5	6.7	2.8
Q14	394718	6221410	37622	37803	1/01/2003	1/07/2003	816.8	9.5	6.7	2.8
Q14	394718	6221410	37803	37987	1/07/2003	1/01/2004	482.6	5.6	6.7	2.8
Q14	394718	6221410	37987	38169	1/01/2004	1/07/2004	465.7	5.4	6.7	2.8
Q14	394718	6221410	38169	38353	1/07/2004	1/01/2005	471.3	5.5	6.7	2.8
Q14	394718	6221410	38353	38534	1/01/2005	1/07/2005	404.2	4.7	6.7	2.8
Q14	394718	6221410	38534	38718	1/07/2005	1/01/2006	413.1	4.8	6.7	2.8
Q14	394718	6221410	38718	38899	1/01/2006	1/07/2006	469.8	5.4	6.7	2.8
Q14	394718	6221410	38899	39083	1/07/2006	1/01/2007	271.8	3.1	6.7	2.8
Q14	394718	6221410	39083	39264	1/01/2007	1/07/2007	54.7	0.6	6.7	2.8
Q14	394718	6221410	39264	39448	1/07/2007	1/01/2008	72.3	0.8	6.7	2.8
Q14	394718	6221410	39448	39630	1/01/2008	1/07/2008	74.0	0.9	6.7	2.8
Q14	394718	6221410	39630	39814	1/07/2008	1/01/2009	74.0	0.9	6.7	2.8
Q14	394718	6221410	39814	39995	1/01/2009	1/07/2009	74.0	0.9	6.7	2.8
Q14	394718	6221410	39995	40179	1/07/2009	1/01/2010	57.1	0.7	6.7	2.8
Q14	394718	6221410	40179	40360	1/01/2010	1/07/2010	341.9	4.0	6.7	2.8
Q14	394718	6221410	40360	40909	1/07/2010	1/01/2012	625.4	7.2	6.7	2.8
Q15	395054	6220680	Steady-state	36708	-	1/07/2000	0.0	0.0	-37.9	-56.0
Q15	395054	6220680	36708	37073	1/07/2000	1/07/2001	154.5	1.8	-37.9	-56.0
Q15	395054	6220680	37073	37257	1/07/2001	1/01/2002	79.9	0.9	-37.9	-56.0
Q15	395054	6220680	37257	37438	1/01/2002	1/07/2002	0.0	0.0	-37.9	-56.0
Q15	395054	6220680	37438	37622	1/07/2002	1/01/2003	90.5	1.0	-37.9	-56.0
Q15	395054	6220680	37622	37803	1/01/2003	1/07/2003	86.4	1.0	-37.9	-56.0
Q15	395054	6220680	37803	37987	1/07/2003	1/01/2004	62.3	0.7	-37.9	-56.0
Q15	395054	6220680	37987	38169	1/01/2004	1/07/2004	32.7	0.4	-37.9	-56.0
Q15	395054	6220680	38169	38353	1/07/2004	1/01/2005	97.8	1.1	-37.9	-56.0
Q15	395054	6220680	38353	38534	1/01/2005	1/07/2005	102.2	1.2	-37.9	-56.0
Q15	395054	6220680	38534	38718	1/07/2005	1/01/2006	113.9	1.3	-37.9	-56.0
Q15	395054	6220680	38718	38899	1/01/2006	1/07/2006	121.2	1.4	-37.9	-56.0
Q15	395054	6220680	38899	39083	1/07/2006	1/01/2007	22.7	0.3	-37.9	-56.0
Q15	395054	6220680	39083	39264	1/01/2007	1/07/2007	57.2	0.7	-37.9	-56.0
Q15	395054	6220680	39264	39448	1/07/2007	1/01/2008	21.0	0.2	-37.9	-56.0
Q15	395054	6220680	39448	39630	1/01/2008	1/07/2008	27.2	0.3	-37.9	-56.0
Q15	395054	6220680	39630	39814	1/07/2008	1/01/2009	26.3	0.3	-37.9	-56.0
Q15	395054	6220680	39814	39995	1/01/2009	1/07/2009	26.3	0.3	-37.9	-56.0
Q15	395054	6220680	39995	40179	1/07/2009	1/01/2010	0.0	0.0	-37.9	-56.0
Q15	395054	6220680	40179	40360	1/01/2010	1/07/2010	0.0	0.0	-37.9	-56.0
Q15	395054	6220680	40360	40909	1/07/2010	1/01/2012	0.0	0.0	-37.9	-56.0

A-7. Model pumping rates for QSTGCS
(Part 7/7)

A-8 HISTORICAL MODEL INPUT – PUMPING RATES FOR WAIKERIE IIA SIS

- Location of pumping wells
- Model pumping rates



A-8. SIS and GCS pumping well location

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
R1	400743	6218562	Steady-state	37622	-	1/01/2003	0.0	0.0	-19.9	-48.2
R1	400743	6218562	37622	37803	1/01/2003	1/07/2003	421.9	4.9	-19.9	-48.2
R1	400743	6218562	37803	37987	1/07/2003	1/01/2004	427.1	4.9	-19.9	-48.2
R1	400743	6218562	37987	38169	1/01/2004	1/07/2004	403.1	4.7	-19.9	-48.2
R1	400743	6218562	38169	38353	1/07/2004	1/01/2005	412.7	4.8	-19.9	-48.2
R1	400743	6218562	38353	38534	1/01/2005	1/07/2005	413.5	4.8	-19.9	-48.2
R1	400743	6218562	38534	38718	1/07/2005	1/01/2006	410.9	4.8	-19.9	-48.2
R1	400743	6218562	38718	38899	1/01/2006	1/07/2006	418.0	4.8	-19.9	-48.2
R1	400743	6218562	38899	39083	1/07/2006	1/01/2007	365.9	4.2	-19.9	-48.2
R1	400743	6218562	39083	39264	1/01/2007	1/07/2007	422.4	4.9	-19.9	-48.2
R1	400743	6218562	39264	39448	1/07/2007	1/01/2008	417.7	4.8	-19.9	-48.2
R1	400743	6218562	39448	39630	1/01/2008	1/07/2008	191.8	2.2	-19.9	-48.2
R1	400743	6218562	39630	39814	1/07/2008	1/01/2009	668.5	7.7	-19.9	-48.2
R1	400743	6218562	39814	39995	1/01/2009	1/07/2009	668.5	7.7	-19.9	-48.2
R1	400743	6218562	39995	40179	1/07/2009	1/01/2010	447.8	5.2	-19.9	-48.2
R1	400743	6218562	40179	40360	1/01/2010	1/07/2010	242.6	2.8	-19.9	-48.2
R1	400743	6218562	40360	40909	1/07/2010	1/01/2012	330.4	3.8	-19.9	-48.2
R2	400140	6218780	Steady-state	37622	-	1/01/2003	0.0	0.0	-19.9	-48.2
R2	400140	6218780	37622	37803	1/01/2003	1/07/2003	761.0	8.8	-19.9	-48.2
R2	400140	6218780	37803	37987	1/07/2003	1/01/2004	442.9	5.1	-19.9	-48.2
R2	400140	6218780	37987	38169	1/01/2004	1/07/2004	384.1	4.4	-19.9	-48.2
R2	400140	6218780	38169	38353	1/07/2004	1/01/2005	557.4	6.5	-19.9	-48.2
R2	400140	6218780	38353	38534	1/01/2005	1/07/2005	637.7	7.4	-19.9	-48.2
R2	400140	6218780	38534	38718	1/07/2005	1/01/2006	601.6	7.0	-19.9	-48.2
R2	400140	6218780	38718	38899	1/01/2006	1/07/2006	580.4	6.7	-19.9	-48.2
R2	400140	6218780	38899	39083	1/07/2006	1/01/2007	534.9	6.2	-19.9	-48.2
R2	400140	6218780	39083	39264	1/01/2007	1/07/2007	583.9	6.8	-19.9	-48.2
R2	400140	6218780	39264	39448	1/07/2007	1/01/2008	575.8	6.7	-19.9	-48.2
R2	400140	6218780	39448	39630	1/01/2008	1/07/2008	321.7	3.7	-19.9	-48.2
R2	400140	6218780	39630	39814	1/07/2008	1/01/2009	285.6	3.3	-19.9	-48.2
R2	400140	6218780	39814	39995	1/01/2009	1/07/2009	285.6	3.3	-19.9	-48.2
R2	400140	6218780	39995	40179	1/07/2009	1/01/2010	420.8	4.9	-19.9	-48.2
R2	400140	6218780	40179	40360	1/01/2010	1/07/2010	352.0	4.1	-19.9	-48.2
R2	400140	6218780	40360	40909	1/07/2010	1/01/2012	366.3	4.2	-19.9	-48.2
R3	399730	6219390	Steady-state	37622	-	1/01/2003	0.0	0.0	-19.9	-48.2
R3	399730	6219390	37622	37803	1/01/2003	1/07/2003	781.6	9.0	-19.9	-48.2
R3	399730	6219390	37803	37987	1/07/2003	1/01/2004	580.9	6.7	-19.9	-48.2
R3	399730	6219390	37987	38169	1/01/2004	1/07/2004	646.5	7.5	-19.9	-48.2
R3	399730	6219390	38169	38353	1/07/2004	1/01/2005	341.9	4.0	-19.9	-48.2
R3	399730	6219390	38353	38534	1/01/2005	1/07/2005	680.3	7.9	-19.9	-48.2
R3	399730	6219390	38534	38718	1/07/2005	1/01/2006	644.7	7.5	-19.9	-48.2
R3	399730	6219390	38718	38899	1/01/2006	1/07/2006	627.7	7.3	-19.9	-48.2
R3	399730	6219390	38899	39083	1/07/2006	1/01/2007	580.9	6.7	-19.9	-48.2
R3	399730	6219390	39083	39264	1/01/2007	1/07/2007	651.5	7.5	-19.9	-48.2
R3	399730	6219390	39264	39448	1/07/2007	1/01/2008	648.1	7.5	-19.9	-48.2

A-8. Model pumping rates for Waikerie II A SIS
(Part 1/5)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
R3	399730	6219390	40179	40360	1/01/2010	1/07/2010	504.9	5.8	-19.9	-48.2
R3	399730	6219390	39448	39630	1/01/2008	1/07/2008	649.9	7.5	-19.9	-48.2
R3	399730	6219390	39630	39814	1/07/2008	1/01/2009	659.4	7.6	-19.9	-48.2
R3	399730	6219390	39814	39995	1/01/2009	1/07/2009	659.4	7.6	-19.9	-48.2
R3	399730	6219390	39995	40179	1/07/2009	1/01/2010	611.4	7.1	-19.9	-48.2
R3	399730	6219390	40360	40909	1/07/2010	1/01/2012	465.7	5.4	-19.9	-48.2
T1	399690	6220090	Steady-state	37622	-	1/01/2003	0.0	0.0	-19.9	-48.2
T1	399690	6220090	37622	37803	1/01/2003	1/07/2003	282.9	3.3	-19.9	-48.2
T1	399690	6220090	37803	37987	1/07/2003	1/01/2004	232.9	2.7	-19.9	-48.2
T1	399690	6220090	37987	38169	1/01/2004	1/07/2004	215.7	2.5	-19.9	-48.2
T1	399690	6220090	38169	38353	1/07/2004	1/01/2005	290.1	3.4	-19.9	-48.2
T1	399690	6220090	38353	38534	1/01/2005	1/07/2005	333.3	3.9	-19.9	-48.2
T1	399690	6220090	38534	38718	1/07/2005	1/01/2006	348.3	4.0	-19.9	-48.2
T1	399690	6220090	38718	38899	1/01/2006	1/07/2006	328.0	3.8	-19.9	-48.2
T1	399690	6220090	38899	39083	1/07/2006	1/01/2007	331.7	3.8	-19.9	-48.2
T1	399690	6220090	39083	39264	1/01/2007	1/07/2007	362.9	4.2	-19.9	-48.2
T1	399690	6220090	39264	39448	1/07/2007	1/01/2008	356.5	4.1	-19.9	-48.2
T1	399690	6220090	39448	39630	1/01/2008	1/07/2008	368.0	4.3	-19.9	-48.2
T1	399690	6220090	39630	39814	1/07/2008	1/01/2009	371.0	4.3	-19.9	-48.2
T1	399690	6220090	39814	39995	1/01/2009	1/07/2009	371.0	4.3	-19.9	-48.2
T1	399690	6220090	39995	40179	1/07/2009	1/01/2010	301.7	3.5	-19.9	-48.2
T1	399690	6220090	40179	40360	1/01/2010	1/07/2010	312.6	3.6	-19.9	-48.2
T1	399690	6220090	40360	40909	1/07/2010	1/01/2012	308.8	3.6	-19.9	-48.2
T2	399710	6220780	Steady-state	37622	-	1/01/2003	0.0	0.0	-25.0	-48.2
T2	399710	6220780	37622	37803	1/01/2003	1/07/2003	381.3	4.4	-25.0	-48.2
T2	399710	6220780	37803	37987	1/07/2003	1/01/2004	333.9	3.9	-25.0	-48.2
T2	399710	6220780	37987	38169	1/01/2004	1/07/2004	369.6	4.3	-25.0	-48.2
T2	399710	6220780	38169	38353	1/07/2004	1/01/2005	336.5	3.9	-25.0	-48.2
T2	399710	6220780	38353	38534	1/01/2005	1/07/2005	224.8	2.6	-25.0	-48.2
T2	399710	6220780	38534	38718	1/07/2005	1/01/2006	349.1	4.0	-25.0	-48.2
T2	399710	6220780	38718	38899	1/01/2006	1/07/2006	304.9	3.5	-25.0	-48.2
T2	399710	6220780	38899	39083	1/07/2006	1/01/2007	260.4	3.0	-25.0	-48.2
T2	399710	6220780	39083	39264	1/01/2007	1/07/2007	298.3	3.5	-25.0	-48.2
T2	399710	6220780	39264	39448	1/07/2007	1/01/2008	356.3	4.1	-25.0	-48.2
T2	399710	6220780	39448	39630	1/01/2008	1/07/2008	338.1	3.9	-25.0	-48.2
T2	399710	6220780	39630	39814	1/07/2008	1/01/2009	346.7	4.0	-25.0	-48.2
T2	399710	6220780	39814	39995	1/01/2009	1/07/2009	346.7	4.0	-25.0	-48.2
T2	399710	6220780	39995	40179	1/07/2009	1/01/2010	362.0	4.2	-25.0	-48.2
T2	399710	6220780	40179	40360	1/01/2010	1/07/2010	286.3	3.3	-25.0	-48.2
T2	399710	6220780	40360	40909	1/07/2010	1/01/2012	304.4	3.5	-25.0	-48.2
T3	400145	6221292	Steady-state	37622	-	1/01/2003	0.0	0.0	-24.0	-48.2
T3	400145	6221292	37622	37803	1/01/2003	1/07/2003	353.4	4.1	-24.0	-48.2
T3	400145	6221292	37803	37987	1/07/2003	1/01/2004	314.5	3.6	-24.0	-48.2
T3	400145	6221292	37987	38169	1/01/2004	1/07/2004	351.9	4.1	-24.0	-48.2
T3	400145	6221292	38169	38353	1/07/2004	1/01/2005	349.0	4.0	-24.0	-48.2

A-8. Model pumping rates for Waikerie II A SIS
(Part 2/5)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
T3	400145	6221292	38353	38534	1/01/2005	1/07/2005	347.3	4.0	-24.0	-48.2
R3	399730	6219390	40179	40360	1/01/2010	1/07/2010	504.9	5.8	-19.9	-48.2
T3	400145	6221292	38534	38718	1/07/2005	1/01/2006	348.1	4.0	-24.0	-48.2
T3	400145	6221292	38718	38899	1/01/2006	1/07/2006	354.8	4.1	-24.0	-48.2
T3	400145	6221292	38899	39083	1/07/2006	1/01/2007	308.6	3.6	-24.0	-48.2
T3	400145	6221292	39083	39264	1/01/2007	1/07/2007	342.8	4.0	-24.0	-48.2
T3	400145	6221292	39264	39448	1/07/2007	1/01/2008	337.1	3.9	-24.0	-48.2
T3	400145	6221292	39448	39630	1/01/2008	1/07/2008	339.6	3.9	-24.0	-48.2
T3	400145	6221292	39630	39814	1/07/2008	1/01/2009	339.7	3.9	-24.0	-48.2
T3	400145	6221292	39814	39995	1/01/2009	1/07/2009	339.7	3.9	-24.0	-48.2
T3	400145	6221292	39995	40179	1/07/2009	1/01/2010	336.8	3.9	-24.0	-48.2
T3	400145	6221292	40179	40360	1/01/2010	1/07/2010	272.8	3.2	-24.0	-48.2
T3	400145	6221292	40360	40909	1/07/2010	1/01/2012	277.9	3.2	-24.0	-48.2
T4	400472	6221828	Steady-state	37622	-	1/01/2003	0.0	0.0	-19.9	-48.2
T4	400472	6221828	37622	37803	1/01/2003	1/07/2003	400.3	4.6	-19.9	-48.2
T4	400472	6221828	37803	37987	1/07/2003	1/01/2004	350.3	4.1	-19.9	-48.2
T4	400472	6221828	37987	38169	1/01/2004	1/07/2004	394.2	4.6	-19.9	-48.2
T4	400472	6221828	38169	38353	1/07/2004	1/01/2005	387.7	4.5	-19.9	-48.2
T4	400472	6221828	38353	38534	1/01/2005	1/07/2005	386.4	4.5	-19.9	-48.2
T4	400472	6221828	38534	38718	1/07/2005	1/01/2006	392.5	4.5	-19.9	-48.2
T4	400472	6221828	38718	38899	1/01/2006	1/07/2006	395.0	4.6	-19.9	-48.2
T4	400472	6221828	38899	39083	1/07/2006	1/01/2007	355.1	4.1	-19.9	-48.2
T4	400472	6221828	39083	39264	1/01/2007	1/07/2007	270.1	3.1	-19.9	-48.2
T4	400472	6221828	39264	39448	1/07/2007	1/01/2008	393.9	4.6	-19.9	-48.2
T4	400472	6221828	39448	39630	1/01/2008	1/07/2008	363.4	4.2	-19.9	-48.2
T4	400472	6221828	39630	39814	1/07/2008	1/01/2009	415.6	4.8	-19.9	-48.2
T4	400472	6221828	39814	39995	1/01/2009	1/07/2009	415.6	4.8	-19.9	-48.2
T4	400472	6221828	39995	40179	1/07/2009	1/01/2010	412.5	4.8	-19.9	-48.2
T4	400472	6221828	40179	40360	1/01/2010	1/07/2010	297.2	3.4	-19.9	-48.2
T4	400472	6221828	40360	40909	1/07/2010	1/01/2012	290.0	3.4	-19.9	-48.2
T5	400782	6222478	Steady-state	37622	-	1/01/2003	0.0	0.0	-25.0	-48.2
T5	400782	6222478	37622	37803	1/01/2003	1/07/2003	235.2	2.7	-25.0	-48.2
T5	400782	6222478	37803	37987	1/07/2003	1/01/2004	204.0	2.4	-25.0	-48.2
T5	400782	6222478	37987	38169	1/01/2004	1/07/2004	6.6	0.1	-25.0	-48.2
T5	400782	6222478	38169	38353	1/07/2004	1/01/2005	254.4	2.9	-25.0	-48.2
T5	400782	6222478	38353	38534	1/01/2005	1/07/2005	202.3	2.3	-25.0	-48.2
T5	400782	6222478	38534	38718	1/07/2005	1/01/2006	143.0	1.7	-25.0	-48.2
T5	400782	6222478	38718	38899	1/01/2006	1/07/2006	15.2	0.2	-25.0	-48.2
T5	400782	6222478	38899	39083	1/07/2006	1/01/2007	4.2	0.0	-25.0	-48.2
T5	400782	6222478	39083	39264	1/01/2007	1/07/2007	52.8	0.6	-25.0	-48.2
T5	400782	6222478	39264	39448	1/07/2007	1/01/2008	309.4	3.6	-25.0	-48.2
T5	400782	6222478	39448	39630	1/01/2008	1/07/2008	311.9	3.6	-25.0	-48.2
T5	400782	6222478	39630	39814	1/07/2008	1/01/2009	302.4	3.5	-25.0	-48.2
T5	400782	6222478	39814	39995	1/01/2009	1/07/2009	302.4	3.5	-25.0	-48.2
T5	400782	6222478	39995	40179	1/07/2009	1/01/2010	299.6	3.5	-25.0	-48.2

A-8. Model pumping rates for Waikerie II A SIS
(Part 3/5)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
T5	400782	6222478	40179	40360	1/01/2010	1/07/2010	244.8	2.8	-25.0	-48.2
T5	400782	6222478	40360	40909	1/07/2010	1/01/2012	248.5	2.9	-25.0	-48.2
R3	399730	6219390	40179	40360	1/01/2010	1/07/2010	504.9	5.8	-19.9	-48.2
T6	401262	6223128	Steady-state	39083	-	1/01/2007	0.0	0.0	-48.1	-70.8
T6	401262	6223128	39083	39264	1/01/2007	1/07/2007	104.0	1.2	-48.1	-70.8
T6	401262	6223128	39264	39448	1/07/2007	1/01/2008	165.7	1.9	-48.1	-70.8
T6	401262	6223128	39448	39630	1/01/2008	1/07/2008	171.5	2.0	-48.1	-70.8
T6	401262	6223128	39630	39814	1/07/2008	1/01/2009	171.6	2.0	-48.1	-70.8
T6	401262	6223128	39814	39995	1/01/2009	1/07/2009	171.6	2.0	-48.1	-70.8
T6	401262	6223128	39995	40179	1/07/2009	1/01/2010	112.7	1.3	-48.1	-70.8
T6	401262	6223128	40179	40360	1/01/2010	1/07/2010	100.4	1.2	-48.1	-70.8
T6	401262	6223128	40360	40909	1/07/2010	1/01/2012	152.8	1.8	-48.1	-70.8
WAIK4B	402465	6218400	Steady-state	37803	-	1/07/2003	0.0	0.0	-48.1	-73.8
WAIK4B	402465	6218400	37803	37987	1/07/2003	1/01/2004	168.5	2.0	-48.1	-73.8
WAIK4B	402465	6218400	37987	38169	1/01/2004	1/07/2004	345.6	4.0	-48.1	-73.8
WAIK4B	402465	6218400	38169	38353	1/07/2004	1/01/2005	476.4	5.5	-48.1	-73.8
WAIK4B	402465	6218400	38353	38534	1/01/2005	1/07/2005	254.6	2.9	-48.1	-73.8
WAIK4B	402465	6218400	38534	38718	1/07/2005	1/01/2006	340.7	3.9	-48.1	-73.8
WAIK4B	402465	6218400	38718	38899	1/01/2006	1/07/2006	355.7	4.1	-48.1	-73.8
WAIK4B	402465	6218400	38899	39083	1/07/2006	1/01/2007	368.1	4.3	-48.1	-73.8
WAIK4B	402465	6218400	39083	39264	1/01/2007	1/07/2007	218.6	2.5	-48.1	-73.8
WAIK4B	402465	6218400	39264	39448	1/07/2007	1/01/2008	296.7	3.4	-48.1	-73.8
WAIK4B	402465	6218400	39448	39630	1/01/2008	1/07/2008	256.0	3.0	-48.1	-73.8
WAIK4B	402465	6218400	39630	39814	1/07/2008	1/01/2009	282.2	3.3	-48.1	-73.8
WAIK4B	402465	6218400	39814	39995	1/01/2009	1/07/2009	282.2	3.3	-48.1	-73.8
WAIK4B	402465	6218400	39995	40179	1/07/2009	1/01/2010	246.2	2.8	-48.1	-73.8
WAIK4B	402465	6218400	40179	40360	1/01/2010	1/07/2010	140.9	1.6	-48.1	-73.8
WAIK4B	402465	6218400	40360	40909	1/07/2010	1/01/2012	189.6	2.2	-48.1	-73.8
WAIK5B	403061	6218583	Steady-state	37622	-	1/01/2003	0.0	0.0	-48.5	-62.6
WAIK5B	403061	6218583	37622	37803	1/01/2003	1/07/2003	509.4	5.9	-48.5	-62.6
WAIK5B	403061	6218583	37803	37987	1/07/2003	1/01/2004	544.1	6.3	-48.5	-62.6
WAIK5B	403061	6218583	37987	38169	1/01/2004	1/07/2004	495.3	5.7	-48.5	-62.6
WAIK5B	403061	6218583	38169	38353	1/07/2004	1/01/2005	555.0	6.4	-48.5	-62.6
WAIK5B	403061	6218583	38353	38534	1/01/2005	1/07/2005	53.1	0.6	-48.5	-62.6
WAIK5B	403061	6218583	38534	38718	1/07/2005	1/01/2006	198.1	2.3	-48.5	-62.6
WAIK5B	403061	6218583	38718	38899	1/01/2006	1/07/2006	144.0	1.7	-48.5	-62.6
WAIK5B	403061	6218583	38899	39083	1/07/2006	1/01/2007	195.3	2.3	-48.5	-62.6
WAIK5B	403061	6218583	39083	39264	1/01/2007	1/07/2007	189.5	2.2	-48.5	-62.6
WAIK5B	403061	6218583	39264	39448	1/07/2007	1/01/2008	282.3	3.3	-48.5	-62.6
WAIK5B	403061	6218583	39448	39630	1/01/2008	1/07/2008	243.3	2.8	-48.5	-62.6
WAIK5B	403061	6218583	39630	39814	1/07/2008	1/01/2009	401.1	4.6	-48.5	-62.6
WAIK5B	403061	6218583	39814	39995	1/01/2009	1/07/2009	401.1	4.6	-48.5	-62.6
WAIK5B	403061	6218583	39995	40179	1/07/2009	1/01/2010	198.7	2.3	-48.5	-62.6
WAIK5B	403061	6218583	40179	40360	1/01/2010	1/07/2010	134.5	1.6	-48.5	-62.6
WAIK5B	403061	6218583	40360	40909	1/07/2010	1/01/2012	125.3	1.5	-48.5	-62.6

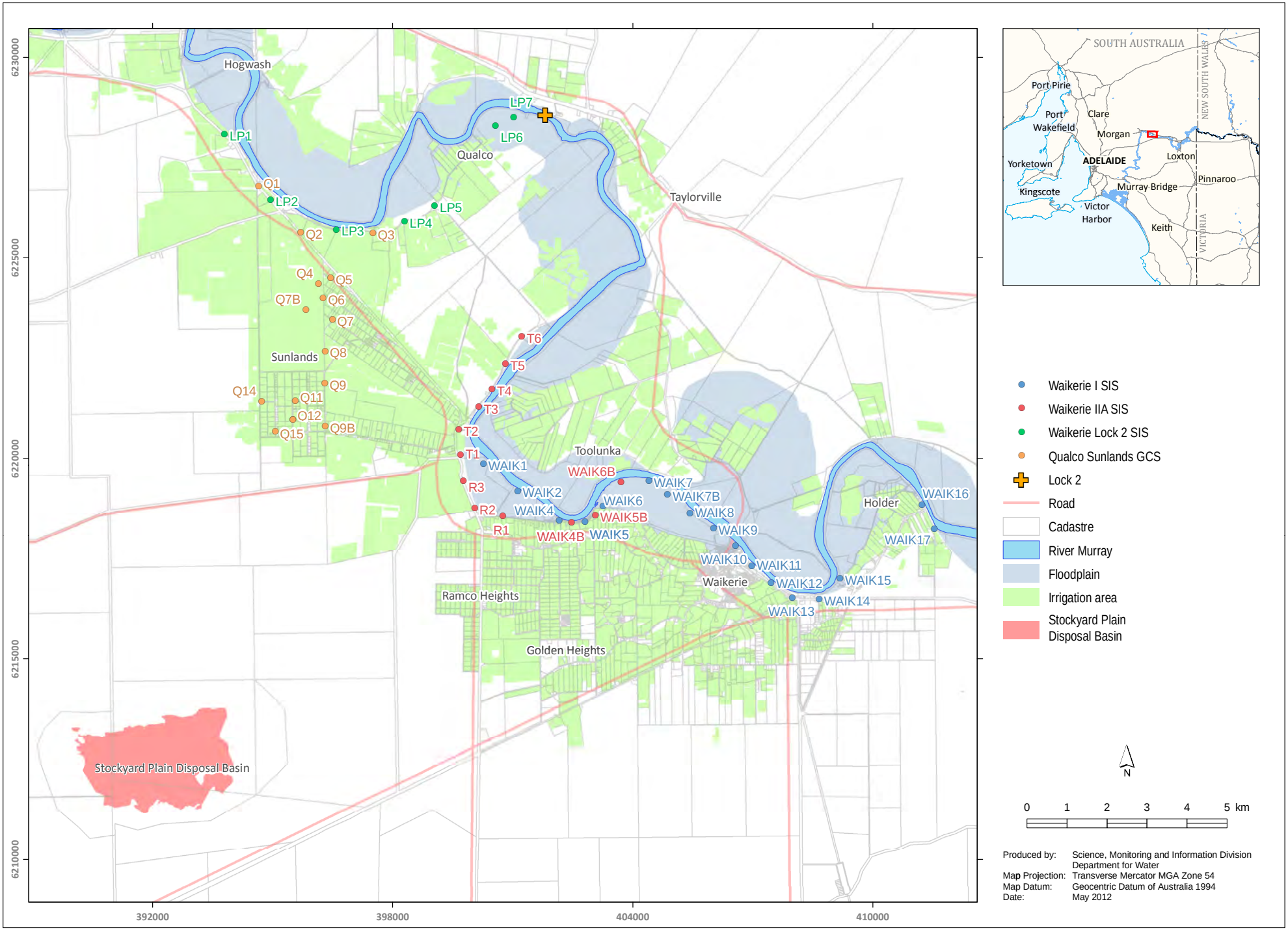
A-8. Model pumping rates for Waikerie II A SIS
(Part 4/5)

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
WAIK6B	403693	6219395	Steady-state	37622	-	1/01/2003	0.0	0.0	-48.1	-66.1
WAIK6B	403693	6219395	37622	37803	1/01/2003	1/07/2003	529.9	6.1	-48.1	-66.1
WAIK6B	403693	6219395	37803	37987	1/07/2003	1/01/2004	396.3	4.6	-48.1	-66.1
WAIK6B	403693	6219395	37987	38169	1/01/2004	1/07/2004	305.2	3.5	-48.1	-66.1
WAIK6B	403693	6219395	38169	38353	1/07/2004	1/01/2005	539.0	6.2	-48.1	-66.1
WAIK6B	403693	6219395	38353	38534	1/01/2005	1/07/2005	356.2	4.1	-48.1	-66.1
WAIK6B	403693	6219395	38534	38718	1/07/2005	1/01/2006	300.5	3.5	-48.1	-66.1
WAIK6B	403693	6219395	38718	38899	1/01/2006	1/07/2006	287.2	3.3	-48.1	-66.1
WAIK6B	403693	6219395	38899	39083	1/07/2006	1/01/2007	363.3	4.2	-48.1	-66.1
WAIK6B	403693	6219395	39083	39264	1/01/2007	1/07/2007	296.8	3.4	-48.1	-66.1
WAIK6B	403693	6219395	39264	39448	1/07/2007	1/01/2008	333.0	3.9	-48.1	-66.1
WAIK6B	403693	6219395	39448	39630	1/01/2008	1/07/2008	300.2	3.5	-48.1	-66.1
WAIK6B	403693	6219395	39630	39814	1/07/2008	1/01/2009	339.0	3.9	-48.1	-66.1
WAIK6B	403693	6219395	39814	39995	1/01/2009	1/07/2009	339.0	3.9	-48.1	-66.1
WAIK6B	403693	6219395	39995	40179	1/07/2009	1/01/2010	319.4	3.7	-48.1	-66.1
WAIK6B	403693	6219395	40179	40360	1/01/2010	1/07/2010	181.8	2.1	-48.1	-66.1
WAIK6B	403693	6219395	40360	40909	1/07/2010	1/01/2012	144.6	1.7	-48.1	-66.1

A-8. Model pumping rates for Waikerie II A SIS
(Part 5/5)

A-9 HISTORICAL MODEL INPUT – PUMPING RATES FOR WAIKERIE LOCK 2 SIS

- Location of pumping wells
- Model pumping rates



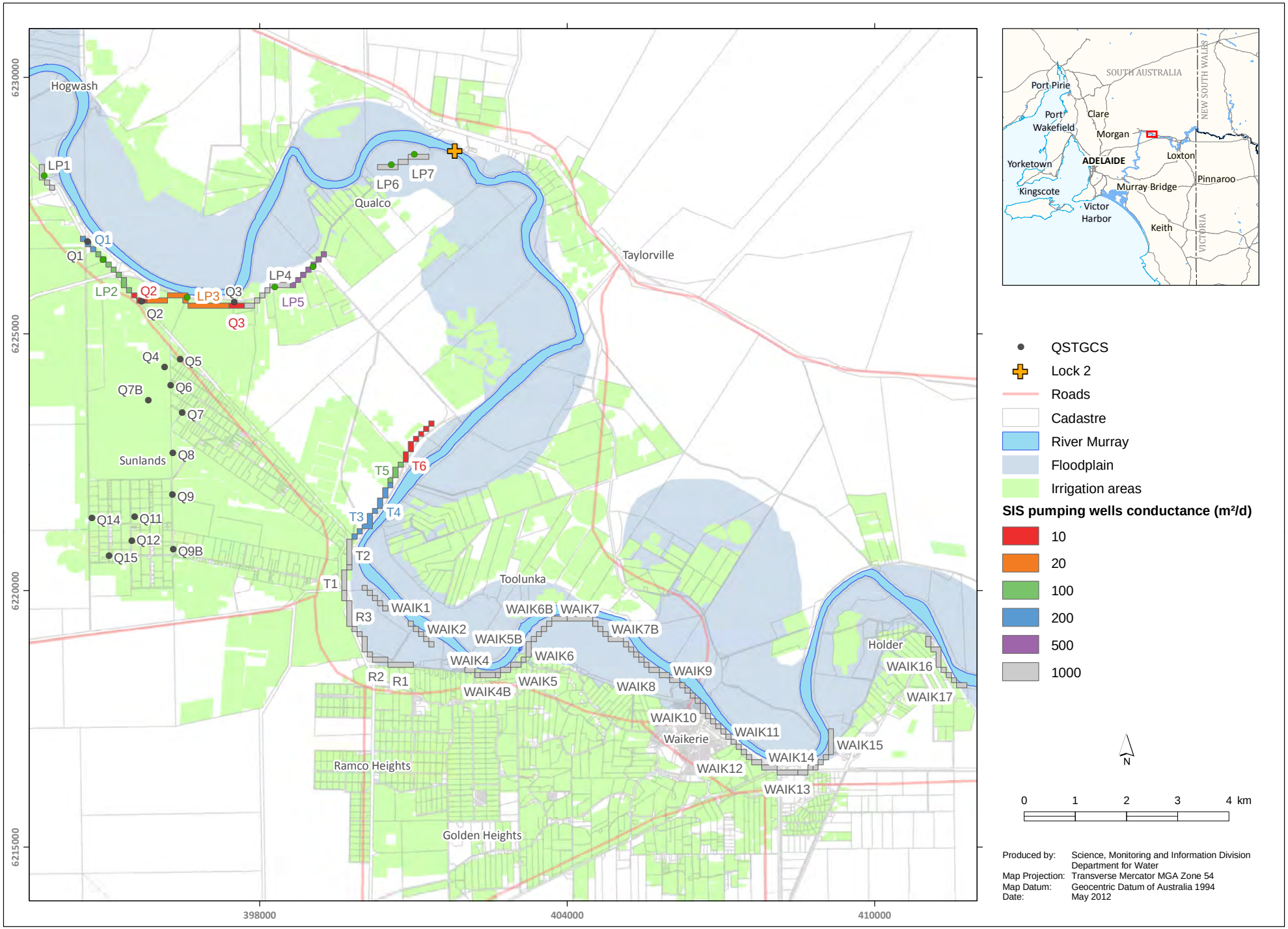
A-9. SIS and GCS pumping well location

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)	Screen Top (m AHD)	Screen Bottom (m AHD)
LP1	393789	6228083	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.1	-63.3
LP1	393789	6228083	39814	39995	1/01/2009	1/07/2009	492.5	5.7	-48.1	-63.3
LP1	393789	6228083	39995	40179	1/07/2009	1/01/2010	194.2	2.2	-48.1	-63.3
LP1	393789	6228083	40179	40360	1/01/2010	1/07/2010	362.9	4.2	-48.1	-63.3
LP1	393789	6228083	40360	40909	1/07/2010	1/01/2012	388.2	4.5	-48.1	-63.3
LP2	394939	6226445	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.1	-71.0
LP2	394939	6226445	39814	39995	1/01/2009	1/07/2009	337.0	3.9	-48.1	-71.0
LP2	394939	6226445	39995	40179	1/07/2009	1/01/2010	142.7	1.7	-48.1	-71.0
LP2	394939	6226445	40179	40360	1/01/2010	1/07/2010	288.8	3.3	-48.1	-71.0
LP2	394939	6226445	40360	40909	1/07/2010	1/01/2012	311.0	3.6	-48.1	-71.0
LP3	396584	6225708	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.1	-78.0
LP3	396584	6225708	39814	39995	1/01/2009	1/07/2009	337.0	3.9	-48.1	-78.0
LP3	396584	6225708	39995	40179	1/07/2009	1/01/2010	295.1	3.4	-48.1	-78.0
LP3	396584	6225708	40179	40360	1/01/2010	1/07/2010	311.7	3.6	-48.1	-78.0
LP3	396584	6225708	40360	40909	1/07/2010	1/01/2012	264.9	3.1	-48.1	-78.0
LP4	398292	6225913	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.6	-73.8
LP4	398292	6225913	39814	39995	1/01/2009	1/07/2009	509.8	5.9	-48.6	-73.8
LP4	398292	6225913	39995	40179	1/07/2009	1/01/2010	472.4	5.5	-48.6	-73.8
LP4	398292	6225913	40179	40360	1/01/2010	1/07/2010	489.5	5.7	-48.6	-73.8
LP4	398292	6225913	40360	40909	1/07/2010	1/01/2012	355.4	4.1	-48.6	-73.8
LP5	399040	6226301	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.1	-71.3
LP5	399040	6226301	39814	39995	1/01/2009	1/07/2009	457.9	5.3	-48.1	-71.3
LP5	399040	6226301	39995	40179	1/07/2009	1/01/2010	524.7	6.1	-48.1	-71.3
LP5	399040	6226301	40179	40360	1/01/2010	1/07/2010	403.4	4.7	-48.1	-71.3
LP5	399040	6226301	40360	40909	1/07/2010	1/01/2012	414.1	4.8	-48.1	-71.3
LP6	400561	6228298	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.5	-70.7
LP6	400561	6228298	39814	39995	1/01/2009	1/07/2009	501.1	5.8	-48.5	-70.7
LP6	400561	6228298	39995	40179	1/07/2009	1/01/2010	131.8	1.5	-48.5	-70.7
LP6	400561	6228298	40179	40360	1/01/2010	1/07/2010	342.7	4.0	-48.5	-70.7
LP6	400561	6228298	40360	40909	1/07/2010	1/01/2012	209.3	2.4	-48.5	-70.7
LP7	401013	6228499	Steady-state	39814	-	1/01/2009	0.0	0.0	-48.5	-71.5
LP7	401013	6228499	39814	39995	1/01/2009	1/07/2009	345.6	4.0	-48.5	-71.5
LP7	401013	6228499	39995	40179	1/07/2009	1/01/2010	124.3	1.4	-48.5	-71.5
LP7	401013	6228499	40179	40360	1/01/2010	1/07/2010	361.6	4.2	-48.5	-71.5
LP7	401013	6228499	40360	40909	1/07/2010	1/01/2012	319.7	3.7	-48.5	-71.5

A-9. Model pumping rates for Waikerie Lock 2 SIS

A-10 PREDICTION MODEL INPUT – PUMPING RATES FOR WAIKERIE I SIS

- Location of pumping wells
- Model pumping rates



A-10. Modelled SIS in prediction models and the associated conductance values

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.2	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	4.2	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	4.2	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	4.2	3.0	3.4	3.2	2.0	1.2	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	4.2	3.0	3.3	3.2	2.0	1.2	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	4.2	3.0	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	4.2	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	4.2	2.9	3.3	3.1	2.0	1.2	1.6	4.8	4.2	4.7	6.1	5.6	10.3	2.8	5.9	4.0	4.5
2007	4.2	2.9	3.3	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.9	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(i)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	**6.5**	**7.6**	**8.8**	**9.1**	**8.9**	**7.5**	**8.6**	**9.3**	**7.8**	**7.6**	**11.2**	**9.8**	**19.5**	**5.7**	**10.8**	**8.1**	**9.1**
Stop Year	**Modelled Pumping Rates (L/s)**																
2007.5	4.2	2.9	3.3	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.1	5.6	10.2	2.8	5.9	4.0	4.5
2008	4.2	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.9	4.0	4.5
2008.5	4.2	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.5	10.1	2.8	5.9	4.0	4.5
2009	4.3	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	6.0	5.5	10.1	2.8	5.9	4.0	4.6
2009.5	4.3	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	5.9	5.4	10.0	2.7	5.8	4.0	4.6
2010	4.3	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	5.8	5.4	9.9	2.7	5.8	4.0	4.6
2010.5	4.3	2.9	3.2	3.0	1.9	1.2	1.5	4.5	3.9	4.4	5.8	5.3	9.8	2.7	5.8	4.0	4.6
2011	4.3	2.9	3.1	3.0	1.8	1.2	1.5	4.5	3.9	4.4	5.7	5.3	9.7	2.7	5.8	4.0	4.6
2012	4.3	2.9	3.1	2.9	1.8	1.2	1.5	4.4	3.8	4.3	5.6	5.2	9.5	2.6	5.7	4.0	4.5
2013	4.3	2.9	3.1	2.9	1.8	1.2	1.5	4.3	3.8	4.3	5.5	5.1	9.4	2.6	5.7	4.0	4.5
2014	4.4	2.9	3.1	2.8	1.8	1.2	1.5	4.3	3.8	4.2	5.5	5.0	9.3	2.6	5.7	4.0	4.5
2015	4.4	2.9	3.0	2.8	1.8	1.2	1.5	4.3	3.7	4.2	5.4	5.0	9.2	2.6	5.7	4.0	4.5
2016	4.4	2.9	3.0	2.8	1.8	1.2	1.5	4.2	3.7	4.1	5.4	4.9	9.2	2.6	5.6	4.0	4.5
2017	4.4	2.9	3.0	2.8	1.7	1.2	1.5	4.2	3.7	4.1	5.3	4.9	9.1	2.5	5.6	4.0	4.5
2018	4.5	2.9	3.0	2.7	1.7	1.2	1.5	4.2	3.6	4.1	5.3	4.9	9.0	2.5	5.6	4.0	4.5
2019	4.5	2.9	3.0	2.7	1.7	1.2	1.5	4.1	3.6	4.0	5.2	4.8	9.0	2.5	5.6	4.0	4.5
2020	4.5	2.9	3.0	2.7	1.7	1.2	1.5	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.6	4.0	4.5
2021	4.6	2.9	3.0	2.7	1.7	1.2	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.5	4.0	4.5
2022	4.6	2.9	3.0	2.7	1.7	1.2	1.4	4.1	3.6	4.0	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2032	4.6	2.9	2.9	2.7	1.7	1.2	1.4	4.0	3.6	4.0	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2042	4.6	3.0	2.9	2.7	1.7	1.2	1.4	4.0	3.5	3.9	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2052	4.7	3.0	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.5	5.5	4.0	4.5
2062	4.7	3.0	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.7	8.7	2.4	5.5	4.0	4.5
2072	4.7	3.0	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.7	2.4	5.5	4.0	4.5
2082	4.7	3.0	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2092	4.8	3.0	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2102	4.8	3.0	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2112	4.8	3.0	2.9	2.6	1.7	1.2	1.4	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(i)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.2	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	4.2	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	4.2	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	4.2	3.0	3.4	3.2	2.0	1.2	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	4.1	3.0	3.3	3.2	2.0	1.2	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	4.1	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	4.1	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	4.1	2.9	3.3	3.1	2.0	1.2	1.6	4.8	4.2	4.7	6.1	5.6	10.3	2.8	5.9	4.0	4.5
2007	4.1	2.9	3.3	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.9	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(ii)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
2007.5	4.1	2.9	3.3	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.1	5.6	10.2	2.8	5.9	4.0	4.5
2008	4.1	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.9	4.0	4.5
2008.5	4.1	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.5	10.1	2.8	5.9	4.0	4.5
2009	4.1	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	6.0	5.5	10.1	2.8	5.9	4.0	4.6
2009.5	4.1	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	5.9	5.4	10.0	2.7	5.8	4.0	4.6
2010	4.1	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	5.8	5.4	9.9	2.7	5.8	4.0	4.6
2010.5	4.1	2.9	3.2	3.0	1.9	1.2	1.5	4.5	3.9	4.4	5.8	5.3	9.8	2.7	5.8	4.0	4.6
2011	4.1	2.9	3.1	3.0	1.8	1.2	1.5	4.5	3.9	4.4	5.7	5.3	9.7	2.7	5.8	4.0	4.6
2012	4.1	2.9	3.1	2.9	1.8	1.2	1.5	4.4	3.8	4.3	5.6	5.2	9.5	2.6	5.7	4.0	4.5
2013	4.1	2.9	3.1	2.9	1.8	1.2	1.5	4.3	3.8	4.3	5.5	5.1	9.4	2.6	5.7	4.0	4.5
2014	4.1	2.9	3.1	2.8	1.8	1.2	1.5	4.3	3.8	4.2	5.5	5.0	9.3	2.6	5.7	4.0	4.5
2015	4.1	2.9	3.0	2.8	1.8	1.2	1.5	4.3	3.7	4.2	5.4	5.0	9.2	2.6	5.7	4.0	4.5
2016	4.1	2.9	3.0	2.8	1.8	1.2	1.5	4.2	3.7	4.1	5.4	4.9	9.2	2.6	5.6	4.0	4.5
2017	4.1	2.9	3.0	2.8	1.7	1.2	1.5	4.2	3.7	4.1	5.3	4.9	9.1	2.5	5.6	4.0	4.5
2018	4.1	2.9	3.0	2.7	1.7	1.2	1.5	4.2	3.6	4.1	5.3	4.9	9.0	2.5	5.6	4.0	4.5
2019	4.1	2.9	3.0	2.7	1.7	1.2	1.5	4.1	3.6	4.0	5.2	4.8	9.0	2.5	5.6	4.0	4.5
2020	4.1	2.9	3.0	2.7	1.7	1.2	1.5	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.6	4.0	4.5
2021	4.1	2.9	3.0	2.7	1.7	1.2	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.5	4.0	4.5
2022	4.1	2.9	2.9	2.7	1.7	1.2	1.4	4.1	3.6	4.0	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2032	4.1	2.9	2.9	2.7	1.7	1.2	1.4	4.0	3.6	4.0	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2042	4.1	2.9	2.9	2.7	1.7	1.2	1.4	4.0	3.5	3.9	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2052	4.1	2.9	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.5	5.5	4.0	4.5
2062	4.1	2.9	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.7	8.7	2.4	5.5	4.0	4.5
2072	4.1	2.9	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.7	2.4	5.5	4.0	4.5
2082	4.1	2.9	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2092	4.1	2.9	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2102	4.1	2.9	2.9	2.6	1.7	1.2	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2112	4.1	2.9	2.9	2.6	1.7	1.2	1.4	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(ii)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	**6.5**	**7.6**	**8.8**	**9.1**	**8.9**	**7.5**	**8.6**	**9.3**	**7.8**	**7.6**	**11.2**	**9.8**	**19.5**	**5.7**	**10.8**	**8.1**	**9.1**
Stop Year	**Modelled Pumping Rates (L/s)**																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.2	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	1.1	1.9	2.6	2.1	1.2	0.9	1.6	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	0.8	1.7	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	0.7	1.6	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	0.7	1.5	2.4	1.9	1.1	0.9	1.6	4.8	4.1	4.7	6.1	5.6	10.3	2.8	5.9	4.0	4.5
2007	0.7	1.5	2.3	1.9	1.1	0.9	1.6	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.9	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(iii)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	**6.5**	**7.6**	**8.8**	**9.1**	**8.9**	**7.5**	**8.6**	**9.3**	**7.8**	**7.6**	**11.2**	**9.8**	**19.5**	**5.7**	**10.8**	**8.1**	**9.1**
Stop Year	**Modelled Pumping Rates (L/s)**																
2007.5	0.7	1.5	2.3	1.9	1.1	0.9	1.5	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.9	4.0	4.5
2008	0.7	1.5	2.3	1.9	1.1	0.9	1.5	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.9	4.0	4.5
2008.5	0.7	1.5	2.3	1.9	1.1	0.9	1.5	4.7	4.1	4.6	6.0	5.5	10.1	2.8	5.9	4.0	4.5
2009	0.7	1.4	2.3	1.9	1.1	0.9	1.5	4.6	4.0	4.5	5.9	5.5	10.1	2.8	5.9	4.0	4.6
2009.5	0.7	1.4	2.3	1.9	1.1	0.9	1.5	4.6	4.0	4.5	5.9	5.4	10.0	2.7	5.8	4.0	4.6
2010	0.7	1.4	2.3	1.9	1.0	0.8	1.5	4.6	4.0	4.5	5.8	5.4	9.9	2.7	5.8	4.0	4.6
2010.5	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	3.9	4.4	5.8	5.3	9.8	2.7	5.8	4.0	4.6
2011	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	3.9	4.4	5.7	5.2	9.7	2.7	5.8	4.0	4.6
2012	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.4	3.8	4.3	5.6	5.2	9.5	2.6	5.7	4.0	4.5
2013	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.3	3.8	4.3	5.5	5.1	9.4	2.6	5.7	4.0	4.5
2014	0.7	1.4	2.2	1.7	1.0	0.8	1.4	4.3	3.7	4.2	5.5	5.0	9.3	2.6	5.7	4.0	4.5
2015	0.7	1.4	2.1	1.7	1.0	0.8	1.4	4.2	3.7	4.2	5.4	5.0	9.2	2.6	5.7	4.0	4.5
2016	0.7	1.4	2.1	1.7	1.0	0.9	1.4	4.2	3.7	4.1	5.4	4.9	9.2	2.6	5.6	4.0	4.5
2017	0.7	1.4	2.1	1.7	1.0	0.9	1.4	4.2	3.7	4.1	5.3	4.9	9.1	2.5	5.6	4.0	4.5
2018	0.7	1.4	2.1	1.7	1.0	0.9	1.4	4.1	3.6	4.1	5.3	4.9	9.0	2.5	5.6	4.0	4.5
2019	0.7	1.4	2.1	1.7	0.9	0.9	1.4	4.1	3.6	4.0	5.2	4.8	9.0	2.5	5.6	4.0	4.5
2020	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.6	4.0	4.5
2021	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.5	4.0	4.5
2022	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.0	3.6	4.0	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2032	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2042	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.5	5.5	4.0	4.5
2052	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.5	5.5	4.0	4.5
2062	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.0	4.7	8.7	2.4	5.5	4.0	4.5
2072	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.5	4.0	4.5
2082	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2092	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2102	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.5	3.8	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2112	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.4	3.8	4.9	4.6	8.5	2.4	5.4	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(iii)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.2	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	1.1	1.9	2.6	2.1	1.2	0.9	1.6	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	0.8	1.7	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	0.7	1.6	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	0.7	1.5	2.4	1.9	1.1	0.9	1.6	4.8	4.1	4.7	6.1	5.6	10.3	2.8	5.9	4.0	4.5
2007	0.7	1.5	2.3	1.9	1.1	0.9	1.6	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.9	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(iv)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
2007.5	0.7	1.5	2.3	1.9	1.1	0.9	1.5	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.9	4.0	4.5
2008	0.7	1.5	2.3	1.9	1.1	0.9	1.5	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.9	4.0	4.5
2008.5	0.7	1.5	2.3	1.9	1.1	0.9	1.5	4.7	4.1	4.6	6.0	5.5	10.1	2.8	5.9	4.0	4.5
2009	0.7	1.4	2.3	1.9	1.1	0.9	1.5	4.6	4.0	4.5	5.9	5.5	10.1	2.8	5.9	4.0	4.6
2009.5	0.7	1.4	2.3	1.9	1.1	0.9	1.5	4.6	4.0	4.5	5.9	5.4	10.0	2.7	5.8	4.0	4.6
2010	0.7	1.4	2.3	1.9	1.0	0.8	1.5	4.6	4.0	4.5	5.8	5.4	9.9	2.7	5.8	4.0	4.6
2010.5	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	3.9	4.4	5.8	5.3	9.8	2.7	5.8	4.0	4.6
2011	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	3.9	4.4	5.7	5.2	9.7	2.7	5.8	4.0	4.6
2012	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.4	3.8	4.3	5.6	5.2	9.5	2.6	5.7	4.0	4.5
2013	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.3	3.8	4.3	5.5	5.1	9.4	2.6	5.7	4.0	4.5
2014	0.7	1.4	2.2	1.7	1.0	0.8	1.4	4.3	3.7	4.2	5.5	5.0	9.3	2.6	5.7	4.0	4.5
2015	0.7	1.4	2.1	1.7	1.0	0.8	1.4	4.2	3.7	4.2	5.4	5.0	9.2	2.6	5.7	4.0	4.5
2016	0.7	1.4	2.1	1.7	1.0	0.9	1.4	4.2	3.7	4.1	5.4	4.9	9.2	2.6	5.6	4.0	4.5
2017	0.7	1.4	2.1	1.7	1.0	0.9	1.4	4.2	3.7	4.1	5.3	4.9	9.1	2.5	5.6	4.0	4.5
2018	0.7	1.4	2.1	1.7	1.0	0.9	1.4	4.1	3.6	4.1	5.3	4.9	9.0	2.5	5.6	4.0	4.5
2019	0.7	1.4	2.1	1.7	0.9	0.9	1.4	4.1	3.6	4.0	5.2	4.8	9.0	2.5	5.6	4.0	4.5
2020	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.6	4.0	4.5
2021	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.5	4.0	4.5
2022	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.0	3.6	4.0	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2032	0.7	1.4	2.1	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.1	4.7	8.8	2.5	5.5	4.0	4.5
2042	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.5	5.5	4.0	4.5
2052	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.5	5.5	4.0	4.5
2062	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.0	4.7	8.7	2.4	5.5	4.0	4.5
2072	0.7	1.4	2.0	1.6	0.9	0.9	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.5	4.0	4.5
2082	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2092	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2102	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.5	3.8	5.0	4.6	8.6	2.4	5.4	4.0	4.5
2112	0.7	1.4	2.0	1.6	0.9	0.9	1.4	3.9	3.4	3.8	4.9	4.6	8.5	2.4	5.4	4.0	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8a(iv)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.1	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	4.1	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	4.1	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	4.1	3.0	3.4	3.2	2.0	1.2	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	4.1	3.0	3.3	3.2	2.0	1.2	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	4.1	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	4.1	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	4.1	2.9	3.3	3.1	2.0	1.2	1.6	4.8	4.1	4.7	6.1	5.6	10.3	2.8	5.9	3.9	4.5
2007	4.1	2.9	3.3	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.8	3.9	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(i)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
2007.5	4.1	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.8	3.9	4.5
2008	4.1	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.5	10.2	2.8	5.8	3.9	4.5
2008.5	4.1	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.5	6.0	5.5	10.1	2.7	5.8	3.9	4.5
2009	4.1	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	5.9	5.5	10.0	2.7	5.8	3.9	4.4
2009.5	4.1	2.9	3.2	3.0	1.9	1.2	1.5	4.6	4.0	4.5	5.9	5.4	9.9	2.7	5.7	3.9	4.4
2010	4.1	2.9	3.2	3.0	1.9	1.1	1.5	4.6	4.0	4.5	5.8	5.4	9.8	2.7	5.7	3.9	4.4
2010.5	4.1	2.9	3.1	3.0	1.8	1.1	1.5	4.5	3.9	4.4	5.8	5.3	9.7	2.7	5.7	3.9	4.4
2011	4.1	2.8	3.1	2.9	1.8	1.1	1.5	4.5	3.9	4.4	5.7	5.2	9.6	2.6	5.6	3.9	4.4
2012	4.0	2.8	3.1	2.9	1.8	1.1	1.5	4.4	3.8	4.3	5.6	5.1	9.4	2.6	5.6	3.8	4.4
2013	4.0	2.8	3.0	2.9	1.8	1.1	1.5	4.3	3.8	4.2	5.5	5.0	9.3	2.6	5.5	3.8	4.4
2014	4.0	2.8	3.0	2.8	1.8	1.1	1.4	4.3	3.7	4.2	5.4	5.0	9.2	2.5	5.5	3.8	4.4
2015	4.0	2.8	3.0	2.8	1.7	1.1	1.4	4.2	3.7	4.1	5.4	4.9	9.1	2.5	5.5	3.8	4.4
2016	4.0	2.8	3.0	2.8	1.7	1.1	1.4	4.2	3.6	4.1	5.3	4.9	9.0	2.5	5.4	3.8	4.4
2017	4.0	2.8	2.9	2.7	1.7	1.1	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.4	3.8	4.4
2018	4.0	2.8	2.9	2.7	1.7	1.1	1.4	4.1	3.6	4.0	5.2	4.8	8.8	2.5	5.4	3.8	4.4
2019	4.0	2.7	2.9	2.7	1.7	1.1	1.4	4.1	3.5	4.0	5.2	4.7	8.8	2.4	5.4	3.8	4.4
2020	4.0	2.7	2.9	2.7	1.7	1.1	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.4	5.3	3.8	4.4
2021	4.0	2.7	2.9	2.6	1.7	1.1	1.4	4.0	3.5	3.9	5.1	4.7	8.6	2.4	5.3	3.8	4.4
2022	4.0	2.7	2.8	2.6	1.6	1.1	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.3	3.8	4.4
2032	4.0	2.7	2.8	2.6	1.6	1.1	1.4	3.9	3.5	3.9	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2042	4.0	2.7	2.8	2.6	1.6	1.1	1.4	3.9	3.4	3.8	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2052	4.0	2.7	2.8	2.6	1.6	1.0	1.4	3.9	3.4	3.8	4.9	4.6	8.4	2.4	5.2	3.8	4.4
2062	4.0	2.7	2.8	2.6	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.5	8.4	2.4	5.2	3.8	4.4
2072	4.0	2.7	2.8	2.5	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.5	8.4	2.3	5.2	3.8	4.4
2082	4.0	2.7	2.8	2.5	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.5	8.3	2.3	5.2	3.8	4.4
2092	4.0	2.7	2.8	2.5	1.6	1.0	1.3	3.8	3.4	3.8	4.9	4.5	8.3	2.3	5.2	3.8	4.4
2102	4.0	2.7	2.7	2.5	1.6	1.0	1.3	3.8	3.3	3.7	4.8	4.5	8.3	2.3	5.2	3.8	4.4
2112	4.0	2.7	2.7	2.5	1.6	1.0	1.3	3.8	3.3	3.7	4.8	4.5	8.2	2.3	5.2	3.8	4.4

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(i)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.1	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	4.1	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	4.1	3.0	3.4	3.3	2.0	1.2	1.7	5.0	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	4.1	3.0	3.4	3.2	2.0	1.2	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	4.1	3.0	3.3	3.2	2.0	1.2	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	4.1	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	4.1	2.9	3.3	3.2	2.0	1.2	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	4.0	2.9	3.3	3.1	2.0	1.2	1.6	4.8	4.1	4.7	6.1	5.6	10.3	2.8	5.9	3.9	4.5
2007	4.0	2.9	3.3	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.8	3.9	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(ii)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
2007.5	4.0	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.8	3.9	4.5
2008	4.0	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.6	6.0	5.5	10.2	2.8	5.8	3.9	4.5
2008.5	4.0	2.9	3.2	3.1	1.9	1.2	1.6	4.7	4.1	4.5	6.0	5.5	10.1	2.7	5.8	3.9	4.5
2009	3.9	2.9	3.2	3.0	1.9	1.2	1.6	4.6	4.0	4.5	5.9	5.5	10.0	2.7	5.8	3.9	4.4
2009.5	3.9	2.9	3.2	3.0	1.9	1.2	1.5	4.6	4.0	4.5	5.9	5.4	9.9	2.7	5.7	3.9	4.4
2010	3.9	2.8	3.1	3.0	1.9	1.1	1.5	4.6	4.0	4.5	5.8	5.4	9.8	2.7	5.7	3.9	4.4
2010.5	3.9	2.8	3.1	3.0	1.8	1.1	1.5	4.5	3.9	4.4	5.8	5.3	9.7	2.7	5.7	3.9	4.4
2011	3.9	2.8	3.1	2.9	1.8	1.1	1.5	4.5	3.9	4.4	5.7	5.2	9.6	2.6	5.6	3.9	4.4
2012	3.8	2.8	3.1	2.9	1.8	1.1	1.5	4.4	3.8	4.3	5.6	5.1	9.4	2.6	5.6	3.8	4.4
2013	3.8	2.8	3.0	2.9	1.8	1.1	1.5	4.3	3.8	4.2	5.5	5.0	9.3	2.6	5.5	3.8	4.4
2014	3.7	2.8	3.0	2.8	1.8	1.1	1.4	4.3	3.7	4.2	5.4	5.0	9.2	2.5	5.5	3.8	4.4
2015	3.7	2.7	3.0	2.8	1.7	1.1	1.4	4.2	3.7	4.1	5.4	4.9	9.1	2.5	5.5	3.8	4.4
2016	3.7	2.7	3.0	2.8	1.7	1.1	1.4	4.2	3.6	4.1	5.3	4.9	9.0	2.5	5.4	3.8	4.4
2017	3.6	2.7	2.9	2.7	1.7	1.1	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.4	3.8	4.4
2018	3.6	2.7	2.9	2.7	1.7	1.1	1.4	4.1	3.6	4.0	5.2	4.8	8.8	2.5	5.4	3.8	4.4
2019	3.6	2.7	2.9	2.7	1.7	1.1	1.4	4.1	3.5	4.0	5.2	4.7	8.8	2.4	5.4	3.8	4.4
2020	3.6	2.7	2.9	2.7	1.7	1.1	1.4	4.0	3.5	3.9	5.1	4.7	8.7	2.4	5.3	3.8	4.4
2021	3.5	2.7	2.8	2.6	1.6	1.1	1.4	4.0	3.5	3.9	5.1	4.7	8.6	2.4	5.3	3.8	4.4
2022	3.5	2.6	2.8	2.6	1.6	1.1	1.4	4.0	3.5	3.9	5.0	4.6	8.6	2.4	5.3	3.8	4.4
2032	3.5	2.6	2.8	2.6	1.6	1.1	1.4	3.9	3.5	3.9	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2042	3.5	2.6	2.8	2.6	1.6	1.0	1.4	3.9	3.4	3.8	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2052	3.5	2.6	2.8	2.6	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.6	8.4	2.4	5.2	3.8	4.4
2062	3.4	2.6	2.8	2.5	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.5	8.4	2.4	5.2	3.8	4.4
2072	3.4	2.6	2.7	2.5	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.5	8.4	2.3	5.2	3.8	4.4
2082	3.4	2.6	2.7	2.5	1.6	1.0	1.3	3.9	3.4	3.8	4.9	4.5	8.3	2.3	5.2	3.8	4.4
2092	3.4	2.6	2.7	2.5	1.6	1.0	1.3	3.8	3.4	3.8	4.9	4.5	8.3	2.3	5.2	3.8	4.4
2102	3.4	2.6	2.7	2.5	1.6	1.0	1.3	3.8	3.3	3.7	4.8	4.5	8.3	2.3	5.2	3.8	4.4
2112	3.4	2.6	2.7	2.5	1.6	1.0	1.3	3.8	3.3	3.7	4.8	4.5	8.2	2.3	5.2	3.8	4.4

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(ii)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.1	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	1.1	1.9	2.6	2.1	1.2	0.9	1.6	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	0.8	1.7	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	0.7	1.6	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	0.7	1.5	2.4	1.9	1.1	0.9	1.6	4.8	4.1	4.7	6.1	5.6	10.3	2.8	5.9	3.9	4.5
2007	0.7	1.5	2.3	1.9	1.1	0.8	1.5	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.8	3.9	4.5

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(iii)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
2007.5	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.8	3.9	4.5
2008	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.7	4.1	4.6	6.0	5.5	10.1	2.8	5.8	3.9	4.5
2008.5	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.6	4.0	4.5	6.0	5.5	10.1	2.7	5.8	3.9	4.5
2009	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.6	4.0	4.5	5.9	5.5	10.0	2.7	5.8	3.9	4.4
2009.5	0.7	1.4	2.3	1.9	1.0	0.8	1.5	4.6	4.0	4.5	5.9	5.4	9.9	2.7	5.7	3.9	4.4
2010	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	4.0	4.4	5.8	5.4	9.8	2.7	5.7	3.9	4.4
2010.5	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	3.9	4.4	5.8	5.3	9.7	2.7	5.7	3.9	4.4
2011	0.6	1.4	2.2	1.8	1.0	0.8	1.5	4.4	3.9	4.4	5.7	5.2	9.6	2.6	5.6	3.9	4.4
2012	0.6	1.4	2.2	1.8	1.0	0.8	1.4	4.4	3.8	4.3	5.6	5.1	9.4	2.6	5.6	3.8	4.4
2013	0.6	1.4	2.1	1.8	1.0	0.8	1.4	4.3	3.8	4.2	5.5	5.0	9.3	2.6	5.5	3.8	4.4
2014	0.6	1.4	2.1	1.7	1.0	0.8	1.4	4.2	3.7	4.2	5.4	5.0	9.2	2.5	5.5	3.8	4.4
2015	0.6	1.3	2.1	1.7	1.0	0.8	1.4	4.2	3.7	4.1	5.4	4.9	9.1	2.5	5.5	3.8	4.4
2016	0.6	1.3	2.1	1.7	0.9	0.8	1.4	4.1	3.6	4.1	5.3	4.9	9.0	2.5	5.4	3.8	4.4
2017	0.6	1.3	2.1	1.7	0.9	0.8	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.4	3.8	4.4
2018	0.6	1.3	2.0	1.6	0.9	0.8	1.4	4.1	3.6	4.0	5.2	4.8	8.8	2.5	5.4	3.8	4.4
2019	0.6	1.3	2.0	1.6	0.9	0.8	1.3	4.0	3.5	4.0	5.1	4.7	8.8	2.4	5.4	3.8	4.4
2020	0.6	1.3	2.0	1.6	0.9	0.8	1.3	4.0	3.5	3.9	5.1	4.7	8.7	2.4	5.3	3.8	4.4
2021	0.6	1.3	2.0	1.6	0.9	0.8	1.3	4.0	3.5	3.9	5.1	4.7	8.6	2.4	5.3	3.8	4.4
2022	0.6	1.3	2.0	1.6	0.9	0.8	1.3	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.3	3.8	4.4
2032	0.6	1.3	2.0	1.6	0.9	0.8	1.3	3.9	3.4	3.9	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2042	0.6	1.3	2.0	1.6	0.9	0.7	1.3	3.9	3.4	3.8	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2052	0.6	1.3	1.9	1.6	0.9	0.7	1.3	3.9	3.4	3.8	4.9	4.6	8.4	2.4	5.2	3.8	4.4
2062	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.9	3.4	3.8	4.9	4.5	8.4	2.4	5.2	3.8	4.4
2072	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.4	3.8	4.9	4.5	8.4	2.3	5.2	3.8	4.4
2082	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.4	3.8	4.9	4.5	8.3	2.3	5.2	3.8	4.4
2092	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.3	3.7	4.8	4.5	8.3	2.3	5.2	3.8	4.4
2102	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.3	3.7	4.8	4.5	8.3	2.3	5.2	3.8	4.4
2112	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.3	3.7	4.8	4.4	8.2	2.3	5.2	3.8	4.4

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(iii)
(Part 2/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	4.2	3.9	4.6	4.6	3.2	1.9	2.4	7.0	6.1	7.0	9.4	8.7	16.3	4.5	9.3	5.0	5.8
1994	4.0	3.5	4.2	4.2	2.7	1.6	2.2	6.6	5.7	6.5	8.7	8.1	14.9	4.1	8.4	4.7	5.4
1994.5	3.9	3.4	4.0	4.0	2.6	1.6	2.1	6.4	5.5	6.3	8.4	7.7	14.2	3.9	7.9	4.5	5.2
1995	3.9	3.3	4.0	4.0	2.5	1.5	2.1	6.2	5.4	6.1	8.1	7.5	13.8	3.7	7.6	4.4	5.1
1995.5	3.9	3.3	3.9	3.9	2.5	1.5	2.0	6.1	5.3	6.0	8.0	7.4	13.4	3.6	7.4	4.3	5.0
1996	4.0	3.2	3.9	3.9	2.4	1.5	2.0	6.0	5.2	5.9	7.8	7.2	13.2	3.5	7.2	4.3	4.9
1996.5	4.0	3.2	3.8	3.8	2.4	1.4	2.0	5.9	5.1	5.8	7.7	7.1	12.9	3.5	7.0	4.2	4.9
1997	4.1	3.2	3.8	3.8	2.4	1.4	1.9	5.8	5.0	5.7	7.6	7.0	12.7	3.4	6.9	4.2	4.9
1997.5	4.1	3.2	3.8	3.7	2.3	1.4	1.9	5.7	5.0	5.6	7.4	6.9	12.5	3.4	6.8	4.2	4.8
1998	4.2	3.2	3.7	3.7	2.3	1.4	1.9	5.7	4.9	5.5	7.3	6.8	12.3	3.3	6.7	4.1	4.8
1998.5	4.2	3.2	3.7	3.6	2.3	1.4	1.8	5.6	4.8	5.5	7.2	6.7	12.1	3.3	6.6	4.1	4.8
1999	4.2	3.1	3.7	3.6	2.3	1.4	1.8	5.5	4.8	5.4	7.1	6.6	12.0	3.2	6.6	4.1	4.8
1999.5	4.2	3.1	3.6	3.6	2.2	1.3	1.8	5.5	4.7	5.3	7.0	6.5	11.8	3.2	6.5	4.1	4.7
2000	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.4	4.7	5.3	7.0	6.4	11.7	3.1	6.4	4.1	4.7
2000.5	4.2	3.1	3.6	3.5	2.2	1.3	1.8	5.3	4.6	5.2	6.9	6.3	11.5	3.1	6.4	4.0	4.6
2001	4.2	3.1	3.6	3.5	2.2	1.3	1.7	5.3	4.6	5.1	6.8	6.2	11.4	3.1	6.3	4.0	4.6
2001.5	4.2	3.1	3.5	3.4	2.1	1.3	1.7	5.2	4.5	5.1	6.7	6.2	11.2	3.0	6.2	4.0	4.6
2002	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.5	5.0	6.6	6.1	11.1	3.0	6.2	3.9	4.5
2002.5	4.2	3.0	3.5	3.4	2.1	1.3	1.7	5.1	4.4	5.0	6.5	6.0	11.0	3.0	6.1	3.9	4.5
2003	4.1	3.0	3.4	3.3	2.1	1.2	1.7	5.0	4.4	4.9	6.5	6.0	10.9	2.9	6.1	3.9	4.5
2003.5	1.1	1.9	2.6	2.1	1.2	0.9	1.6	5.0	4.3	4.9	6.4	5.9	10.8	2.9	6.0	3.9	4.5
2004	0.8	1.7	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.4	5.9	10.7	2.9	6.0	3.9	4.5
2004.5	0.7	1.6	2.5	2.0	1.1	0.9	1.6	4.9	4.3	4.8	6.3	5.8	10.6	2.9	6.0	3.9	4.5
2005	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.9	4.2	4.8	6.3	5.8	10.5	2.9	5.9	3.9	4.5
2005.5	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.5	2.8	5.9	3.9	4.5
2006	0.7	1.5	2.4	2.0	1.1	0.9	1.6	4.8	4.2	4.7	6.2	5.7	10.4	2.8	5.9	3.9	4.5
2006.5	0.7	1.5	2.4	1.9	1.1	0.9	1.6	4.8	4.1	4.7	6.1	5.6	10.3	2.8	5.9	3.9	4.5
2007	0.7	1.5	2.3	1.9	1.1	0.8	1.5	4.7	4.1	4.6	6.1	5.6	10.3	2.8	5.8	3.9	4.5

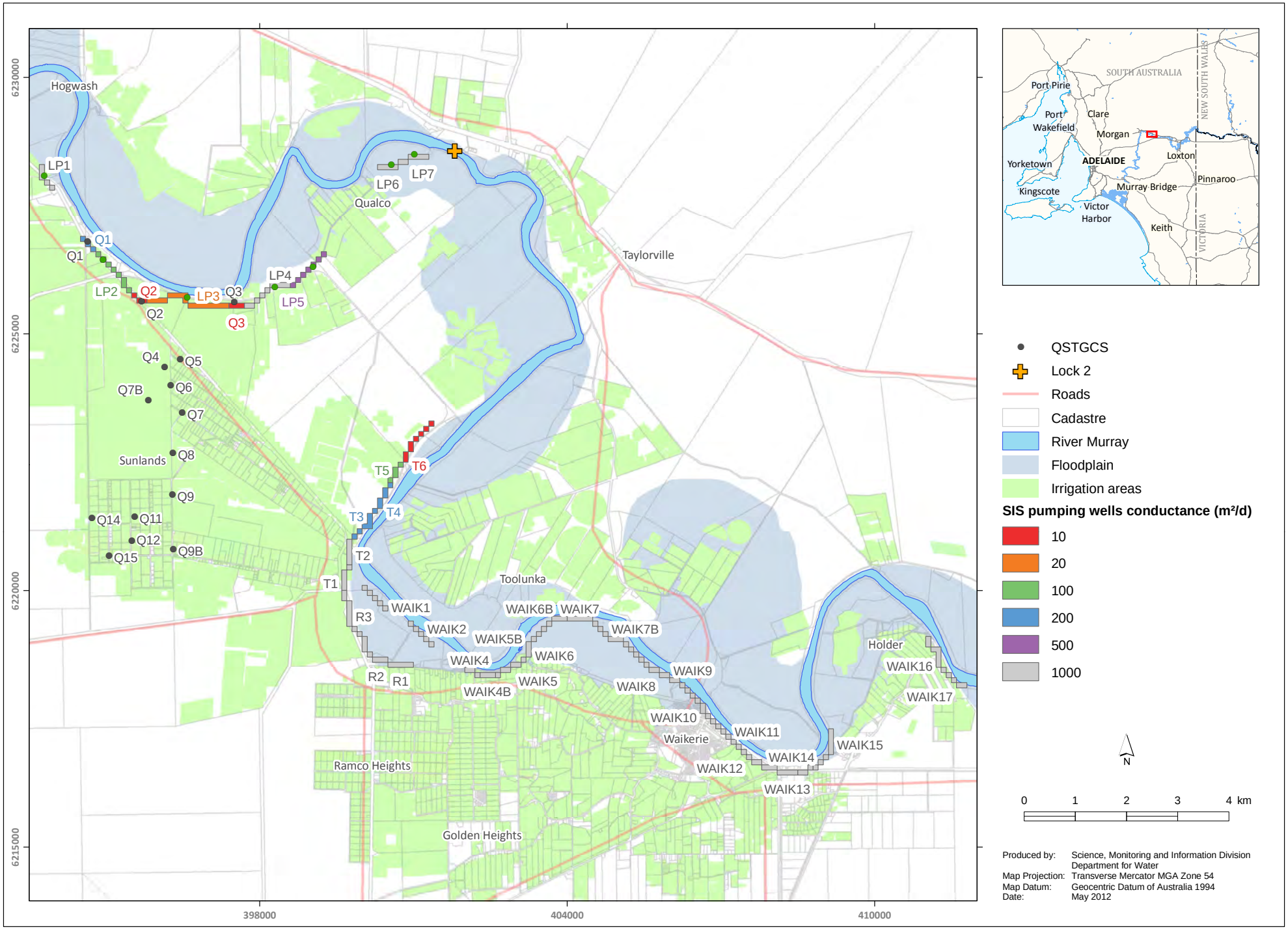
A-10. Model pumping rate for Waikerie I SIS Scenario 8b(iv)
(Part 1/2)

Pumping well	WAIK1	WAIK2	WAIK4	WAIK5	WAIK6	WAIK7	WAIK7B	WAIK8	WAIK9	WAIK10	WAIK11	WAIK12	WAIK13	WAIK14	WAIK15	WAIK16	WAIK17
Maximum observed pumping rate (L/s)	6.5	7.6	8.8	9.1	8.9	7.5	8.6	9.3	7.8	7.6	11.2	9.8	19.5	5.7	10.8	8.1	9.1
Stop Year	Modelled Pumping Rates (L/s)																
2007.5	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.7	4.1	4.6	6.0	5.6	10.2	2.8	5.8	3.9	4.5
2008	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.7	4.1	4.6	6.0	5.5	10.1	2.8	5.8	3.9	4.5
2008.5	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.6	4.0	4.5	6.0	5.5	10.1	2.7	5.8	3.9	4.5
2009	0.7	1.4	2.3	1.9	1.1	0.8	1.5	4.6	4.0	4.5	5.9	5.5	10.0	2.7	5.8	3.9	4.4
2009.5	0.7	1.4	2.3	1.9	1.0	0.8	1.5	4.6	4.0	4.5	5.9	5.4	9.9	2.7	5.7	3.9	4.4
2010	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	4.0	4.4	5.8	5.4	9.8	2.7	5.7	3.9	4.4
2010.5	0.7	1.4	2.2	1.8	1.0	0.8	1.5	4.5	3.9	4.4	5.8	5.3	9.7	2.7	5.7	3.9	4.4
2011	0.6	1.4	2.2	1.8	1.0	0.8	1.5	4.4	3.9	4.4	5.7	5.2	9.6	2.6	5.6	3.9	4.4
2012	0.6	1.4	2.2	1.8	1.0	0.8	1.4	4.4	3.8	4.3	5.6	5.1	9.4	2.6	5.6	3.8	4.4
2013	0.6	1.4	2.1	1.8	1.0	0.8	1.4	4.3	3.8	4.2	5.5	5.0	9.3	2.6	5.5	3.8	4.4
2014	0.6	1.4	2.1	1.7	1.0	0.8	1.4	4.2	3.7	4.2	5.4	5.0	9.2	2.5	5.5	3.8	4.4
2015	0.6	1.3	2.1	1.7	1.0	0.8	1.4	4.2	3.7	4.1	5.4	4.9	9.1	2.5	5.5	3.8	4.4
2016	0.6	1.3	2.1	1.7	0.9	0.8	1.4	4.1	3.6	4.1	5.3	4.9	9.0	2.5	5.4	3.8	4.4
2017	0.6	1.3	2.1	1.7	0.9	0.8	1.4	4.1	3.6	4.0	5.2	4.8	8.9	2.5	5.4	3.8	4.4
2018	0.6	1.3	2.0	1.6	0.9	0.8	1.4	4.1	3.6	4.0	5.2	4.8	8.8	2.5	5.4	3.8	4.4
2019	0.6	1.3	2.0	1.6	0.9	0.8	1.3	4.0	3.5	4.0	5.1	4.7	8.8	2.4	5.4	3.8	4.4
2020	0.6	1.3	2.0	1.6	0.9	0.8	1.3	4.0	3.5	3.9	5.1	4.7	8.7	2.4	5.3	3.8	4.4
2021	0.6	1.3	2.0	1.6	0.9	0.8	1.3	4.0	3.5	3.9	5.1	4.7	8.6	2.4	5.3	3.8	4.4
2022	0.6	1.3	2.0	1.6	0.9	0.8	1.3	3.9	3.5	3.9	5.0	4.6	8.6	2.4	5.3	3.8	4.4
2032	0.6	1.3	2.0	1.6	0.9	0.8	1.3	3.9	3.4	3.9	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2042	0.6	1.3	2.0	1.6	0.9	0.7	1.3	3.9	3.4	3.8	5.0	4.6	8.5	2.4	5.3	3.8	4.4
2052	0.6	1.3	1.9	1.6	0.9	0.7	1.3	3.9	3.4	3.8	4.9	4.6	8.4	2.4	5.2	3.8	4.4
2062	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.9	3.4	3.8	4.9	4.5	8.4	2.4	5.2	3.8	4.4
2072	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.4	3.8	4.9	4.5	8.4	2.3	5.2	3.8	4.4
2082	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.4	3.8	4.9	4.5	8.3	2.3	5.2	3.8	4.4
2092	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.3	3.7	4.8	4.5	8.3	2.3	5.2	3.8	4.4
2102	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.3	3.7	4.8	4.5	8.3	2.3	5.2	3.8	4.4
2112	0.6	1.3	1.9	1.5	0.9	0.7	1.3	3.8	3.3	3.7	4.8	4.4	8.2	2.3	5.2	3.8	4.4

A-10. Model pumping rate for Waikerie I SIS Scenario 8b(iv)
(Part 2/2)

A-11 PREDICTION MODEL INPUT – PUMPING RATES FOR QSTGCS

- Location of pumping wells
- Model pumping rates



A-11. Modelled SIS in prediction models and the associated conductance values

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	4.6	1.9	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002	4.3	1.8	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002.5	4.1	1.7	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003	4.0	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003.5	3.9	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004	3.9	1.6	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004.5	3.9	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005.5	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006	3.8	1.5	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006.5	3.8	1.5	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2007	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8a(ii)
(Part 1/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
2007.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2011	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2012	3.8	1.4	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2013	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2014	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2015	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2016	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2017	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2018	3.7	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2019	3.7	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2020	3.7	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2021	3.7	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2022	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2032	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2042	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2052	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2062	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2072	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2082	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2092	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2102	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2112	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8a(ii)
(Part 2/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	4.6	1.9	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002	4.3	1.8	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002.5	4.1	1.7	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003	4.0	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003.5	3.9	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004	3.9	1.6	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004.5	3.9	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005.5	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006	3.8	1.5	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006.5	3.8	1.5	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2007	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8a(iii)
(Part 1/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
2007.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010	3.8	1.4	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010.5	3.8	1.4	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2011	3.8	1.4	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2012	3.8	1.4	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2013	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2014	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2015	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2016	3.8	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2017	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2018	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2019	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2020	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2021	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2022	3.7	1.3	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2032	3.7	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2042	3.7	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2052	3.7	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2062	3.7	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2072	3.7	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2082	3.7	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2092	3.6	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2102	3.6	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2112	3.6	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8a(iii)
(Part 2/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	4.6	1.9	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002	4.3	1.8	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002.5	4.1	1.7	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003	4.0	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003.5	3.9	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004	3.9	1.6	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004.5	3.9	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005.5	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006	3.8	1.5	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006.5	3.8	1.5	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2007	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8a(iv)
(Part 1/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
2007.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008.5	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009	3.8	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009.5	2.9	1.1	0.8	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010	2.8	1.0	0.7	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010.5	2.7	1.0	0.7	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2011	2.7	0.9	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2012	2.6	0.9	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2013	2.6	0.9	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2014	2.6	0.9	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2015	2.5	0.9	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2016	2.5	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2017	2.5	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2018	2.5	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2019	2.5	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2020	2.5	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2021	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2022	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2032	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2042	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2052	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2062	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2072	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2082	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2092	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2102	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2112	2.4	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8a(iv)
(Part 2/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	4.6	1.9	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002	4.2	1.8	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002.5	4.1	1.7	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003	4.0	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003.5	3.9	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004.5	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005	3.7	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005.5	3.7	1.4	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006.5	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2007	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8b(ii)
(Part 1/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
2007.5	3.5	1.3	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008	3.5	1.3	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008.5	3.5	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009.5	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010.5	3.4	1.2	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2011	3.3	1.2	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2012	3.3	1.2	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2013	3.2	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2014	3.2	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2015	3.2	1.1	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2016	3.1	1.1	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2017	3.1	1.1	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2018	3.1	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2019	3.0	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2020	3.0	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2021	3.0	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2022	3.0	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2032	3.0	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2042	2.9	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2052	2.9	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2062	2.9	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2072	2.9	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2082	2.9	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2092	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2102	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2112	2.8	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8b(ii)
(Part 2/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	4.6	1.9	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002	4.2	1.8	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002.5	4.1	1.7	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003	4.0	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003.5	3.9	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004.5	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005	3.7	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005.5	3.7	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006.5	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2007	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8b(iii)
(Part 1/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
2007.5	3.5	1.3	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008	3.5	1.3	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008.5	3.5	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009.5	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010.5	3.4	1.2	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2011	3.3	1.2	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2012	3.3	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2013	3.2	1.2	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2014	3.2	1.1	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2015	3.2	1.1	1.1	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2016	3.1	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2017	3.1	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2018	3.1	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2019	3.0	1.1	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2020	3.0	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2021	3.0	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2022	3.0	1.0	1.0	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2032	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2042	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2052	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2062	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2072	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2082	2.9	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2092	2.8	1.0	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2102	2.8	0.9	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2112	2.8	0.9	0.9	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8b(iii)
(Part 2/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	4.6	1.9	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002	4.2	1.8	1.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2002.5	4.1	1.7	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003	4.0	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2003.5	3.9	1.6	1.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2004.5	3.8	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005	3.7	1.5	1.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2005.5	3.7	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2006.5	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2007	3.6	1.4	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

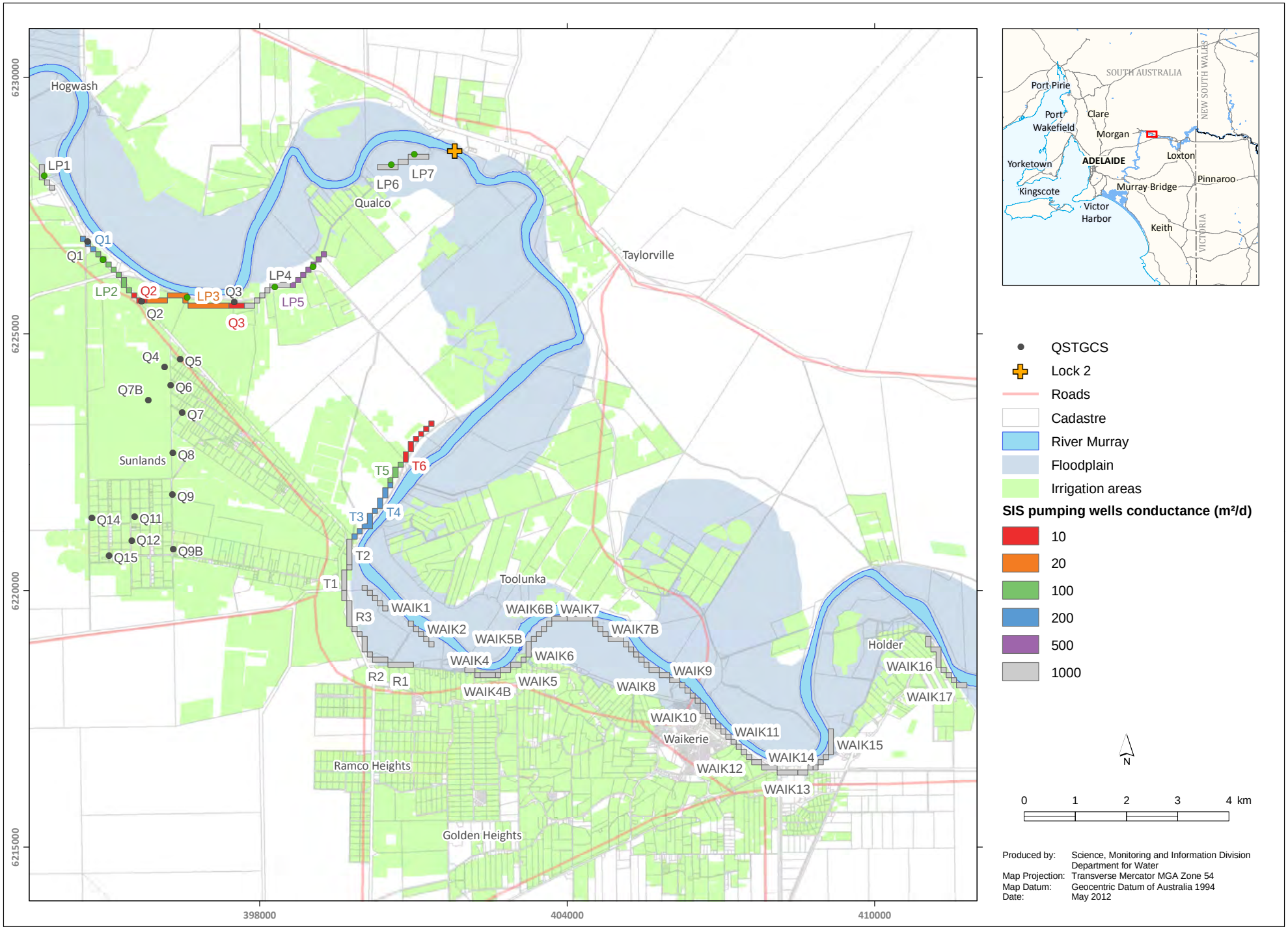
A-11. Model pumping rate for QSTGCS Scenario 8b(iv)
(Part 1/2)

Pumping well	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q7B	Q8	Q9	Q9B	Q11	Q12	Q14	Q15
Maximum observed pumping rate (L/s)	4.7	5.8	4.7	4.2	4.5	3.4	2.2	1.2	8.1	1.0	4.3	6.6	7.3	9.5	1.8
Stop Year	Modelled Pumping Rates (L/s)														
2007.5	3.5	1.3	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008	3.5	1.3	1.3	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2008.5	3.5	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009	3.4	1.3	1.2	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2009.5	2.6	1.0	0.8	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010	2.5	0.9	0.7	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2010.5	2.4	0.9	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2011	2.3	0.8	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2012	2.3	0.8	0.6	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2013	2.2	0.8	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2014	2.2	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2015	2.1	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2016	2.1	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2017	2.0	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2018	2.0	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2019	2.0	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2020	2.0	0.7	0.5	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2021	2.0	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2022	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2032	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2042	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2052	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2062	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2072	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2082	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2092	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2102	1.9	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8
2112	1.8	0.6	0.4	2.1	2.1	2.6	1.0	0.9	2.6	0.5	3.7	2.8	0.9	5.1	0.8

A-11. Model pumping rate for QSTGCS Scenario 8b(iv)
(Part 2/2)

A-12 PREDICTION MODEL INPUT – PUMPING RATES FOR WAIKERIE II A SIS

- Location of pumping wells
- Model pumping rates



A-12. Modelled SIS in prediction models and the associated conductance values

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	7.7	8.8	9.0	4.3	4.4	4.1	4.8	3.6	2.0	5.5	6.4	6.2
Stop Year	Modelled Pumping Rates (L/s)											
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003.5	4.4	5.3	6.5	3.7	4.4	4.0	4.5	3.6	2.0	1.9	1.7	1.3
2004	4.0	4.7	5.7	3.3	3.9	3.5	3.8	3.2	1.8	1.8	1.6	1.2
2004.5	3.9	4.4	5.3	3.1	3.7	3.2	3.6	3.0	1.7	1.8	1.6	1.2
2005	3.8	4.3	5.1	3.0	3.5	3.1	3.4	2.9	1.6	1.8	1.6	1.2
2005.5	3.7	4.2	5.0	2.9	3.4	3.0	3.3	2.9	1.6	1.8	1.6	1.2
2006	3.7	4.1	4.9	2.8	3.4	3.0	3.3	2.8	1.6	1.7	1.5	1.2
2006.5	3.7	4.1	4.8	2.8	3.3	2.9	3.2	2.8	1.5	1.7	1.5	1.2
2007	3.6	4.0	4.7	2.7	3.3	2.9	3.2	2.8	1.5	1.7	1.5	1.2

A-12. Model pumping rate for Waikerie II A SIS Scenario 8a(iii)
(Part1/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	**7.7**	**8.8**	**9.0**	**4.3**	**4.4**	**4.1**	**4.8**	**3.6**	**2.0**	**5.5**	**6.4**	**6.2**
Stop Year	**Modelled Pumping Rates (L/s)**											
2007.5	3.6	4.0	4.7	2.7	3.2	2.8	3.1	2.7	1.5	1.7	1.5	1.2
2008	3.6	4.0	4.6	2.7	3.2	2.8	3.1	2.7	1.5	1.7	1.5	1.2
2008.5	3.6	3.9	4.6	2.7	3.1	2.7	3.1	2.7	1.5	1.7	1.5	1.2
2009	3.6	3.9	4.6	2.6	3.1	2.7	3.0	2.7	1.5	1.7	1.5	1.1
2009.5	3.5	3.9	4.6	2.6	3.1	2.7	3.0	2.7	1.5	1.7	1.5	1.1
2010	3.5	3.9	4.5	2.6	3.1	2.7	3.0	2.7	1.5	1.7	1.5	1.1
2010.5	3.5	3.9	4.5	2.6	3.0	2.7	2.9	2.5	1.4	1.6	1.4	1.1
2011	3.5	3.9	4.5	2.5	3.0	2.6	2.8	2.3	1.4	1.6	1.4	1.1
2012	3.4	3.9	4.5	2.5	2.9	2.6	2.7	2.2	1.3	1.6	1.4	1.1
2013	3.4	3.8	4.4	2.5	2.9	2.5	2.6	2.1	1.3	1.6	1.4	1.1
2014	3.4	3.8	4.4	2.5	2.9	2.5	2.6	2.1	1.2	1.6	1.4	1.1
2015	3.4	3.8	4.5	2.5	2.8	2.4	2.5	2.0	1.2	1.6	1.3	1.1
2016	3.4	3.9	4.5	2.5	2.8	2.4	2.5	2.0	1.2	1.5	1.3	1.1
2017	3.4	3.9	4.5	2.4	2.8	2.4	2.5	2.0	1.2	1.5	1.3	1.1
2018	3.4	3.9	4.5	2.4	2.8	2.3	2.4	2.0	1.2	1.5	1.3	1.1
2019	3.4	3.9	4.5	2.4	2.8	2.3	2.4	2.0	1.2	1.5	1.3	1.1
2020	3.4	3.9	4.5	2.4	2.8	2.3	2.4	2.0	1.2	1.5	1.3	1.1
2021	3.3	3.9	4.5	2.4	2.8	2.3	2.4	1.9	1.2	1.5	1.3	1.1
2022	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.2	1.5	1.3	1.1
2032	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.2	1.5	1.3	1.1
2042	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.2	1.5	1.3	1.1
2052	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.2	1.5	1.3	1.1
2062	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.1	1.4	1.2	1.1
2072	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.1	1.4	1.2	1.1
2082	3.3	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.1	1.4	1.2	1.1
2092	3.3	3.9	4.6	2.4	2.7	2.3	2.4	1.9	1.1	1.4	1.2	1.1
2102	3.3	3.9	4.6	2.4	2.7	2.3	2.4	1.9	1.1	1.4	1.2	1.1
2112	3.3	3.9	4.6	2.4	2.7	2.3	2.4	1.9	1.1	1.4	1.2	1.1

A-12. Model pumping rate for Waikerie II A SIS Scenario 8a(iii)
(Part 2/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	7.7	8.8	9.0	4.3	4.4	4.1	4.8	3.6	2.0	5.5	6.4	6.2
Stop Year	Modelled Pumping Rates (L/s)											
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003.5	4.4	5.3	6.5	3.7	4.4	4.0	4.5	3.6	2.0	1.9	1.7	1.3
2004	4.0	4.7	5.7	3.3	3.9	3.5	3.8	3.2	1.8	1.8	1.6	1.2
2004.5	3.9	4.4	5.3	3.1	3.7	3.2	3.6	3.0	1.7	1.8	1.6	1.2
2005	3.8	4.3	5.1	3.0	3.5	3.1	3.4	2.9	1.6	1.8	1.6	1.2
2005.5	3.7	4.2	5.0	2.9	3.4	3.0	3.3	2.9	1.6	1.8	1.6	1.2
2006	3.7	4.1	4.9	2.8	3.4	3.0	3.3	2.8	1.6	1.7	1.5	1.2
2006.5	3.7	4.1	4.8	2.8	3.3	2.9	3.2	2.8	1.5	1.7	1.5	1.2
2007	3.6	4.0	4.7	2.7	3.3	2.9	3.2	2.8	1.5	1.7	1.5	1.2

A-12. Model pumping rate for Waikerie II A SIS Scenario 8a(iv)
(Part 1/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	**7.7**	**8.8**	**9.0**	**4.3**	**4.4**	**4.1**	**4.8**	**3.6**	**2.0**	**5.5**	**6.4**	**6.2**
Stop Year	**Modelled Pumping Rates (L/s)**											
2007.5	3.6	4.0	4.7	2.7	3.2	2.8	3.1	2.7	1.5	1.7	1.5	1.2
2008	3.6	4.0	4.6	2.7	3.2	2.8	3.1	2.7	1.5	1.7	1.5	1.2
2008.5	3.6	3.9	4.6	2.7	3.1	2.7	3.1	2.7	1.5	1.7	1.5	1.2
2009	3.6	3.9	4.6	2.6	3.1	2.7	3.0	2.7	1.5	1.7	1.5	1.1
2009.5	3.5	3.9	4.6	2.6	3.1	2.7	3.0	2.7	1.5	1.7	1.5	1.1
2010	3.5	3.9	4.5	2.6	3.1	2.7	3.0	2.7	1.5	1.7	1.5	1.1
2010.5	3.5	3.9	4.5	2.6	3.0	2.7	2.9	2.5	1.4	1.6	1.4	1.1
2011	3.5	3.9	4.5	2.5	3.0	2.6	2.8	2.3	1.4	1.6	1.4	1.1
2012	3.4	3.9	4.5	2.5	2.9	2.5	2.7	2.2	1.3	1.6	1.4	1.1
2013	3.4	3.8	4.4	2.5	2.9	2.5	2.6	2.1	1.3	1.6	1.4	1.1
2014	3.4	3.8	4.4	2.5	2.9	2.4	2.5	2.0	1.2	1.6	1.4	1.1
2015	3.4	3.8	4.4	2.5	2.8	2.4	2.5	2.0	1.2	1.6	1.3	1.1
2016	3.4	3.9	4.5	2.4	2.8	2.4	2.4	2.0	1.2	1.5	1.3	1.1
2017	3.4	3.9	4.5	2.4	2.8	2.3	2.4	1.9	1.1	1.5	1.3	1.1
2018	3.4	3.9	4.5	2.4	2.8	2.3	2.4	1.9	1.1	1.5	1.3	1.1
2019	3.4	3.9	4.5	2.4	2.7	2.3	2.4	1.9	1.1	1.5	1.3	1.1
2020	3.4	3.9	4.5	2.4	2.7	2.3	2.3	1.9	1.1	1.5	1.3	1.1
2021	3.3	3.9	4.5	2.4	2.7	2.3	2.3	1.9	1.1	1.5	1.3	1.1
2022	3.3	3.9	4.5	2.4	2.7	2.3	2.3	1.8	1.1	1.5	1.3	1.1
2032	3.3	3.9	4.5	2.4	2.7	2.2	2.3	1.8	1.1	1.5	1.3	1.1
2042	3.3	3.9	4.5	2.4	2.7	2.2	2.3	1.8	1.1	1.5	1.3	1.1
2052	3.3	3.9	4.5	2.4	2.7	2.2	2.3	1.8	1.1	1.5	1.3	1.1
2062	3.3	3.9	4.5	2.4	2.7	2.2	2.3	1.8	1.1	1.4	1.2	1.1
2072	3.3	3.9	4.5	2.4	2.7	2.2	2.3	1.8	1.0	1.4	1.2	1.1
2082	3.3	3.9	4.5	2.4	2.7	2.2	2.3	1.8	1.0	1.4	1.2	1.1
2092	3.3	3.9	4.5	2.4	2.7	2.2	2.2	1.8	1.0	1.4	1.2	1.1
2102	3.3	3.9	4.5	2.4	2.7	2.2	2.2	1.8	1.0	1.4	1.2	1.1
2112	3.3	3.9	4.5	2.4	2.6	2.2	2.2	1.8	1.0	1.4	1.2	1.1

A-12. Model pumping rate for Waikerie II A SIS Scenario 8a(iv)
(Part 2/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	7.7	8.8	9.0	4.3	4.4	4.1	4.8	3.6	2.0	5.5	6.4	6.2
Stop Year	Modelled Pumping Rates (L/s)											
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003.5	4.4	5.3	6.4	3.6	4.3	3.8	4.2	3.5	1.9	1.9	1.7	1.3
2004	4.0	4.7	5.7	3.2	3.8	3.3	3.5	3.0	1.7	1.8	1.6	1.2
2004.5	3.9	4.4	5.3	3.0	3.5	3.0	3.3	2.9	1.6	1.8	1.6	1.2
2005	3.8	4.3	5.1	2.9	3.4	2.9	3.1	2.8	1.6	1.8	1.6	1.2
2005.5	3.7	4.2	4.9	2.8	3.3	2.8	3.0	2.7	1.5	1.8	1.6	1.2
2006	3.7	4.1	4.8	2.7	3.2	2.7	3.0	2.6	1.5	1.7	1.5	1.2
2006.5	3.6	4.0	4.7	2.7	3.1	2.7	2.9	2.6	1.5	1.7	1.5	1.2
2007	3.6	4.0	4.6	2.6	3.1	2.6	2.8	2.5	1.4	1.7	1.5	1.1

A-12. Model pumping rate for Waikerie II A SIS Scenario 8b(iii)
(Part 1/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	**7.7**	**8.8**	**9.0**	**4.3**	**4.4**	**4.1**	**4.8**	**3.6**	**2.0**	**5.5**	**6.4**	**6.2**
Stop Year	**Modelled Pumping Rates (L/s)**											
2007.5	3.6	3.9	4.5	2.6	3.0	2.5	2.8	2.5	1.4	1.7	1.5	1.1
2008	3.6	3.9	4.5	2.5	3.0	2.5	2.8	2.5	1.4	1.7	1.5	1.1
2008.5	3.5	3.9	4.4	2.5	2.9	2.5	2.7	2.4	1.4	1.7	1.5	1.1
2009	3.5	3.9	4.4	2.5	2.9	2.4	2.7	2.4	1.4	1.7	1.5	1.1
2009.5	3.5	3.8	4.3	2.4	2.8	2.4	2.6	2.4	1.4	1.7	1.5	1.1
2010	3.5	3.8	4.3	2.4	2.8	2.4	2.6	2.4	1.3	1.6	1.5	1.1
2010.5	3.4	3.8	4.2	2.4	2.8	2.3	2.5	2.2	1.3	1.6	1.4	1.1
2011	3.4	3.7	4.2	2.3	2.7	2.3	2.4	2.0	1.2	1.6	1.4	1.1
2012	3.4	3.7	4.1	2.3	2.6	2.2	2.3	1.9	1.1	1.6	1.4	1.1
2013	3.3	3.7	4.1	2.2	2.6	2.1	2.2	1.8	1.1	1.6	1.4	1.1
2014	3.3	3.6	4.0	2.2	2.5	2.1	2.1	1.7	1.0	1.5	1.4	1.1
2015	3.3	3.6	4.0	2.2	2.5	2.0	2.0	1.7	1.0	1.5	1.3	1.0
2016	3.2	3.6	3.9	2.1	2.4	2.0	2.0	1.6	1.0	1.5	1.3	1.0
2017	3.2	3.6	3.9	2.1	2.4	1.9	1.9	1.6	0.9	1.5	1.3	1.0
2018	3.2	3.5	3.8	2.1	2.3	1.9	1.9	1.6	0.9	1.5	1.3	1.0
2019	3.2	3.5	3.8	2.0	2.3	1.9	1.9	1.5	0.9	1.5	1.3	1.0
2020	3.2	3.5	3.8	2.0	2.3	1.8	1.8	1.5	0.9	1.5	1.3	1.0
2021	3.1	3.5	3.7	2.0	2.2	1.8	1.8	1.5	0.9	1.4	1.3	1.0
2022	3.1	3.5	3.7	2.0	2.2	1.8	1.8	1.5	0.9	1.4	1.2	1.0
2032	3.1	3.4	3.7	2.0	2.2	1.8	1.8	1.4	0.8	1.4	1.2	1.0
2042	3.1	3.4	3.7	1.9	2.2	1.8	1.8	1.4	0.8	1.4	1.2	1.0
2052	3.1	3.4	3.6	1.9	2.2	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2062	3.1	3.4	3.6	1.9	2.1	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2072	3.1	3.4	3.6	1.9	2.1	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2082	3.0	3.4	3.6	1.9	2.1	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2092	3.0	3.4	3.6	1.9	2.1	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2102	3.0	3.4	3.6	1.9	2.1	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2112	3.0	3.3	3.5	1.9	2.1	1.7	1.7	1.4	0.8	1.4	1.2	1.0

A-12. Model pumping rate for Waikerie II A SIS Scenario 8b(iii)
(Part 2/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	7.7	8.8	9.0	4.3	4.4	4.1	4.8	3.6	2.0	5.5	6.4	6.2
Stop Year	Modelled Pumping Rates (L/s)											
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003.5	4.4	5.3	6.4	3.6	4.3	3.8	4.2	3.5	1.9	1.9	1.7	1.3
2004	4.0	4.7	5.7	3.2	3.8	3.3	3.5	3.0	1.7	1.8	1.6	1.2
2004.5	3.9	4.4	5.3	3.0	3.5	3.0	3.3	2.9	1.6	1.8	1.6	1.2
2005	3.8	4.3	5.1	2.9	3.4	2.9	3.1	2.8	1.6	1.8	1.6	1.2
2005.5	3.7	4.2	4.9	2.8	3.3	2.8	3.0	2.7	1.5	1.8	1.6	1.2
2006	3.7	4.1	4.8	2.7	3.2	2.7	3.0	2.6	1.5	1.7	1.5	1.2
2006.5	3.6	4.0	4.7	2.7	3.1	2.7	2.9	2.6	1.5	1.7	1.5	1.2
2007	3.6	4.0	4.6	2.6	3.1	2.6	2.8	2.5	1.4	1.7	1.5	1.1

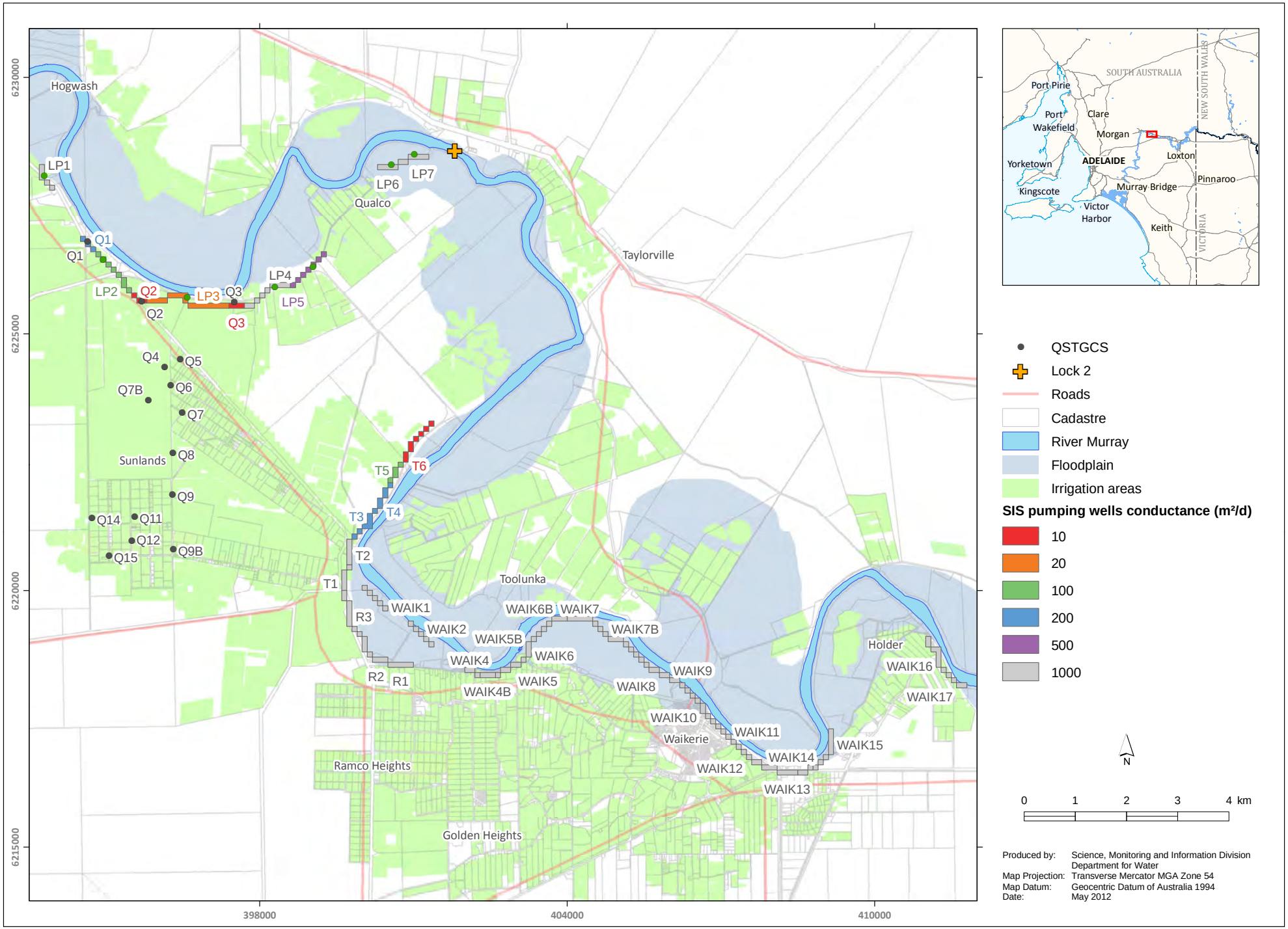
A-12. Model pumping rate for Waikerie II A SIS Scenario 8b(iv)
(Part 1/2)

Pumping well	R1	R2	R3	T1	T2	T3	T4	T5	T6	WAIK4B	WAIK5B	WAIK6B
Maximum observed pumping rate (L/s)	**7.7**	**8.8**	**9.0**	**4.3**	**4.4**	**4.1**	**4.8**	**3.6**	**2.0**	**5.5**	**6.4**	**6.2**
Stop Year	**Modelled Pumping Rates (L/s)**											
2007.5	3.6	3.9	4.5	2.6	3.0	2.5	2.8	2.5	1.4	1.7	1.5	1.1
2008	3.6	3.9	4.5	2.5	3.0	2.5	2.8	2.5	1.4	1.7	1.5	1.1
2008.5	3.5	3.9	4.4	2.5	2.9	2.5	2.7	2.4	1.4	1.7	1.5	1.1
2009	3.5	3.9	4.4	2.5	2.9	2.4	2.7	2.4	1.4	1.7	1.5	1.1
2009.5	3.5	3.8	4.3	2.4	2.8	2.4	2.6	2.4	1.4	1.7	1.5	1.1
2010	3.5	3.8	4.3	2.4	2.8	2.4	2.6	2.4	1.3	1.6	1.5	1.1
2010.5	3.4	3.8	4.2	2.4	2.8	2.3	2.5	2.2	1.3	1.6	1.4	1.1
2011	3.4	3.7	4.2	2.3	2.7	2.3	2.4	2.0	1.2	1.6	1.4	1.1
2012	3.4	3.7	4.1	2.3	2.6	2.2	2.3	1.9	1.1	1.6	1.4	1.1
2013	3.3	3.7	4.1	2.2	2.6	2.1	2.1	1.8	1.1	1.6	1.4	1.1
2014	3.3	3.6	4.0	2.2	2.5	2.1	2.1	1.7	1.0	1.5	1.4	1.1
2015	3.3	3.6	4.0	2.2	2.5	2.0	2.0	1.6	1.0	1.5	1.3	1.0
2016	3.2	3.6	3.9	2.1	2.4	1.9	1.9	1.6	0.9	1.5	1.3	1.0
2017	3.2	3.6	3.9	2.1	2.4	1.9	1.9	1.5	0.9	1.5	1.3	1.0
2018	3.2	3.5	3.8	2.1	2.3	1.9	1.8	1.5	0.9	1.5	1.3	1.0
2019	3.2	3.5	3.8	2.0	2.3	1.8	1.8	1.5	0.8	1.5	1.3	1.0
2020	3.2	3.5	3.8	2.0	2.2	1.8	1.8	1.4	0.8	1.5	1.3	1.0
2021	3.1	3.5	3.7	2.0	2.2	1.8	1.7	1.4	0.8	1.4	1.3	1.0
2022	3.1	3.5	3.7	2.0	2.2	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2032	3.1	3.4	3.7	1.9	2.2	1.7	1.7	1.4	0.8	1.4	1.2	1.0
2042	3.1	3.4	3.6	1.9	2.1	1.7	1.7	1.3	0.8	1.4	1.2	1.0
2052	3.1	3.4	3.6	1.9	2.1	1.7	1.6	1.3	0.7	1.4	1.2	1.0
2062	3.1	3.4	3.6	1.9	2.1	1.7	1.6	1.3	0.7	1.4	1.2	1.0
2072	3.1	3.4	3.6	1.9	2.1	1.6	1.6	1.3	0.7	1.4	1.2	1.0
2082	3.0	3.4	3.6	1.9	2.1	1.6	1.6	1.3	0.7	1.4	1.2	1.0
2092	3.0	3.4	3.5	1.8	2.0	1.6	1.6	1.3	0.7	1.4	1.2	1.0
2102	3.0	3.3	3.5	1.8	2.0	1.6	1.6	1.3	0.7	1.4	1.2	1.0
2112	3.0	3.3	3.5	1.8	2.0	1.6	1.6	1.3	0.7	1.4	1.2	1.0

A-12. Model pumping rate for Waikerie II A SIS Scenario 8b(iv)
(Part 2/2)

A-13 PREDICTION MODEL INPUT – PUMPING RATES FOR WAIKERIE LOCK 2 SIS

- Location of pumping wells
- Model pumping rates



A-13. Modelled SIS in prediction models and the associated conductance values

Pumping well	LP1	LP2	LP3	LP4	LP5	LP6	LP7
Maximum observed pumping rate (L/s)	5.7	3.9	3.9	5.9	6.1	5.8	4.2
Stop Year	Modelled Pumping Rates (L/s)						
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pumping well	LP1	LP2	LP3	LP4	LP5	LP6	LP7
Maximum observed pumping rate (L/s)	5.7	3.9	3.9	5.9	6.1	5.8	4.2
Stop Year	Modelled Pumping Rates (L/s)						
2007.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009.5	3.7	4.8	5.8	6.6	6.2	1.3	2.2
2010	3.4	4.5	5.2	5.7	5.4	1.2	2.1
2010.5	3.3	4.3	4.9	5.4	5.1	1.2	2.1
2011	3.2	4.2	4.8	5.2	4.8	1.2	2.0
2012	3.1	4.1	4.6	4.9	4.6	1.2	2.0
2013	3.1	4.0	4.4	4.7	4.4	1.1	2.0
2014	3.0	4.0	4.3	4.6	4.3	1.1	2.0
2015	3.0	3.9	4.2	4.4	4.2	1.1	2.0
2016	3.0	3.9	4.1	4.4	4.1	1.1	2.0
2017	3.0	3.8	4.0	4.3	4.0	1.1	2.0
2018	2.9	3.8	4.0	4.2	4.0	1.1	2.0
2019	2.9	3.8	3.9	4.2	3.9	1.1	2.0
2020	2.9	3.8	3.9	4.1	3.9	1.1	2.0
2021	2.9	3.7	3.8	4.1	3.9	1.1	2.0
2022	2.9	3.7	3.8	4.0	3.8	1.1	2.0
2032	2.9	3.7	3.8	4.0	3.8	1.1	2.0
2042	2.9	3.7	3.8	4.0	3.8	1.1	2.0
2052	2.9	3.7	3.7	4.0	3.8	1.1	2.0
2062	2.9	3.7	3.7	3.9	3.8	1.1	2.0
2072	2.9	3.6	3.7	3.9	3.8	1.1	2.0
2082	2.9	3.6	3.7	3.9	3.7	1.1	2.0
2092	2.9	3.6	3.7	3.9	3.7	1.1	2.0
2102	2.9	3.6	3.7	3.9	3.7	1.1	2.0
2112	2.9	3.6	3.6	3.9	3.7	1.1	2.0

A-13. Model pumping rate for Waikerie Lock 2 SIS Scenario 8a(iv)

Pumping well	LP1	LP2	LP3	LP4	LP5	LP6	LP7
Maximum observed pumping rate (L/s)	5.7	3.9	3.9	5.9	6.1	5.8	4.2
Stop Year	Modelled Pumping Rates (L/s)						
1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pumping well	LP1	LP2	LP3	LP4	LP5	LP6	LP7
Maximum observed pumping rate (L/s)	5.7	3.9	3.9	5.9	6.1	5.8	4.2
Stop Year	Modelled Pumping Rates (L/s)						
2007.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009.5	3.3	4.3	5.5	6.3	5.9	1.3	2.2
2010	3.0	3.9	4.9	5.4	5.1	1.2	2.1
2010.5	2.9	3.8	4.6	5.1	4.7	1.2	2.0
2011	2.8	3.7	4.4	4.9	4.5	1.1	2.0
2012	2.7	3.5	4.2	4.6	4.2	1.1	2.0
2013	2.6	3.4	4.0	4.4	4.0	1.1	2.0
2014	2.6	3.3	3.9	4.2	3.9	1.1	2.0
2015	2.5	3.3	3.7	4.0	3.7	1.1	1.9
2016	2.5	3.2	3.6	3.9	3.6	1.1	1.9
2017	2.5	3.1	3.5	3.8	3.5	1.1	1.9
2018	2.4	3.1	3.5	3.7	3.5	1.1	1.9
2019	2.4	3.0	3.4	3.7	3.4	1.0	1.9
2020	2.4	3.0	3.3	3.6	3.3	1.0	1.9
2021	2.4	3.0	3.3	3.6	3.3	1.0	1.9
2022	2.4	2.9	3.2	3.5	3.2	1.0	1.9
2032	2.4	2.9	3.2	3.5	3.2	1.0	1.9
2042	2.3	2.9	3.1	3.4	3.2	1.0	1.9
2052	2.3	2.8	3.1	3.4	3.1	1.0	1.9
2062	2.3	2.8	3.0	3.4	3.1	1.0	1.9
2072	2.3	2.8	3.0	3.3	3.1	1.0	1.9
2082	2.3	2.8	3.0	3.3	3.1	1.0	1.9
2092	2.3	2.8	3.0	3.3	3.0	1.0	1.9
2102	2.3	2.8	2.9	3.3	3.0	1.0	1.9
2112	2.3	2.7	2.9	3.2	3.0	1.0	1.9

A-13. Model pumping rate for Waikerie Lock 2 SIS Scenario 8b(iv)

B. MODEL OUTPUTS (FLUX AND SALT LOAD)

B-1 SUMMARY OF SALT LOAD FROM HOLDER TO LOCK 2, LOCK 2 TO HOGWASH AND HOGWASH TO MORGAN

- Model scenario conditions
- Modelled total salt load (t/d) entering the River Murray for all scenarios

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3C	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8A(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8A(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8A(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8A(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8B(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8B(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8B(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8B(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
IIP = Improved irrigation practices		*RH = Rehabilitation of irrigation distribution networks*		*SIS = Salt interception scheme*	
CY = Current year		*CY100 = 100 years from the current year*			

B-1. Model scenario conditions

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
1930	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
1940	5.6	5.7	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5
1950	5.6	5.7	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3	120.3
1960	5.6	5.8	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9
1965	5.6	5.8	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
1970	5.6	5.8	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5
1975	5.6	5.9	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
1977	5.6	5.9	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0
1980	5.6	5.9	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
1985	5.6	6.0	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4
1988	5.6	6.0	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
1989	5.6	6.0	149.8	149.8	149.8	149.8	149.8	149.8	149.8	149.8	149.8	149.8	149.8
1990	5.6	6.0	149.3	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8
1991	5.6	6.1	149.1	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0
1992	5.6	6.1	149.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
1993	5.6	6.1	149.1	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2
1993.5	5.6	6.1	149.2	133.9	133.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1994	5.6	6.1	149.2	132.8	132.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
1994.5	5.6	6.2	149.3	131.6	131.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
1995	5.6	6.2	149.4	130.6	130.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
1995.5	5.6	6.2	149.6	129.4	129.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
1996	5.6	6.2	149.9	128.5	128.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
1996.5	5.6	6.2	150.2	127.3	127.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1997	5.6	6.2	150.5	126.2	126.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1997.5	5.6	6.2	150.7	125.0	125.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
1998	5.6	6.2	151.0	124.0	124.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
1998.5	5.6	6.2	151.2	122.8	122.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
1999	5.6	6.2	151.4	121.8	121.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
1999.5	5.6	6.2	151.6	120.5	120.5	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2000	5.6	6.2	151.8	119.5	119.5	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
2000.5	5.6	6.3	152.0	117.5	117.6	48.9	48.9	48.9	48.9	48.8	48.8	48.8	48.8
2001	5.6	6.3	152.1	115.8	115.9	47.7	47.7	47.7	47.7	47.6	47.6	47.6	47.6
2001.5	5.6	6.3	152.3	114.0	114.3	46.5	46.5	46.5	46.5	46.3	46.3	46.3	46.3
2002	5.6	6.3	152.5	112.5	112.9	45.7	45.7	45.7	45.7	45.3	45.3	45.3	45.3
2002.5	5.6	6.4	152.6	111.3	111.7	44.9	44.9	44.9	44.9	44.5	44.5	44.5	44.5
2003	5.6	6.4	152.8	110.1	110.7	44.3	44.3	44.3	44.3	43.8	43.8	43.8	43.8
2003.5	5.6	6.4	153.0	109.1	109.7	43.8	43.8	34.3	34.3	43.1	43.1	34.0	34.0
2004	5.6	6.4	153.1	108.1	108.9	43.3	43.3	31.6	31.6	42.6	42.5	31.4	31.4
2004.5	5.6	6.4	153.3	107.2	108.1	42.8	42.8	30.3	30.3	42.0	42.0	30.2	30.2
2005	5.6	6.4	153.4	106.4	107.4	42.4	42.3	29.5	29.5	41.5	41.4	29.4	29.4
2005.5	5.6	6.5	153.6	105.6	107.8	43.0	42.9	29.6	29.6	41.1	40.9	28.8	28.8
2006	5.6	6.5	153.7	104.9	107.7	43.1	42.9	29.4	29.4	40.7	40.5	28.3	28.3
2006.5	5.6	6.5	153.9	104.2	107.5	43.0	42.8	29.2	29.2	40.3	40.0	27.8	27.8
2007	5.6	6.5	154.0	103.6	107.2	43.0	42.6	28.9	28.9	39.9	39.6	27.5	27.5
2007.5	5.6	6.5	154.1	102.9	107.0	42.9	42.5	28.7	28.7	39.6	39.1	27.1	27.1
2008	5.6	6.5	154.3	102.4	106.8	42.8	42.3	28.5	28.5	39.2	38.7	26.8	26.8
2008.5	5.6	6.6	154.4	101.8	106.5	42.7	42.1	28.3	28.3	38.9	38.3	26.5	26.5
2009	5.6	6.6	154.6	101.3	106.3	42.6	41.9	28.1	28.1	38.6	38.0	26.2	26.2
2009.5	5.6	6.6	154.7	100.2	105.8	42.3	41.5	27.6	27.6	37.9	37.2	25.5	25.5
2010	5.6	6.6	154.8	99.4	105.3	42.1	41.2	27.3	27.3	37.4	36.6	25.1	25.1

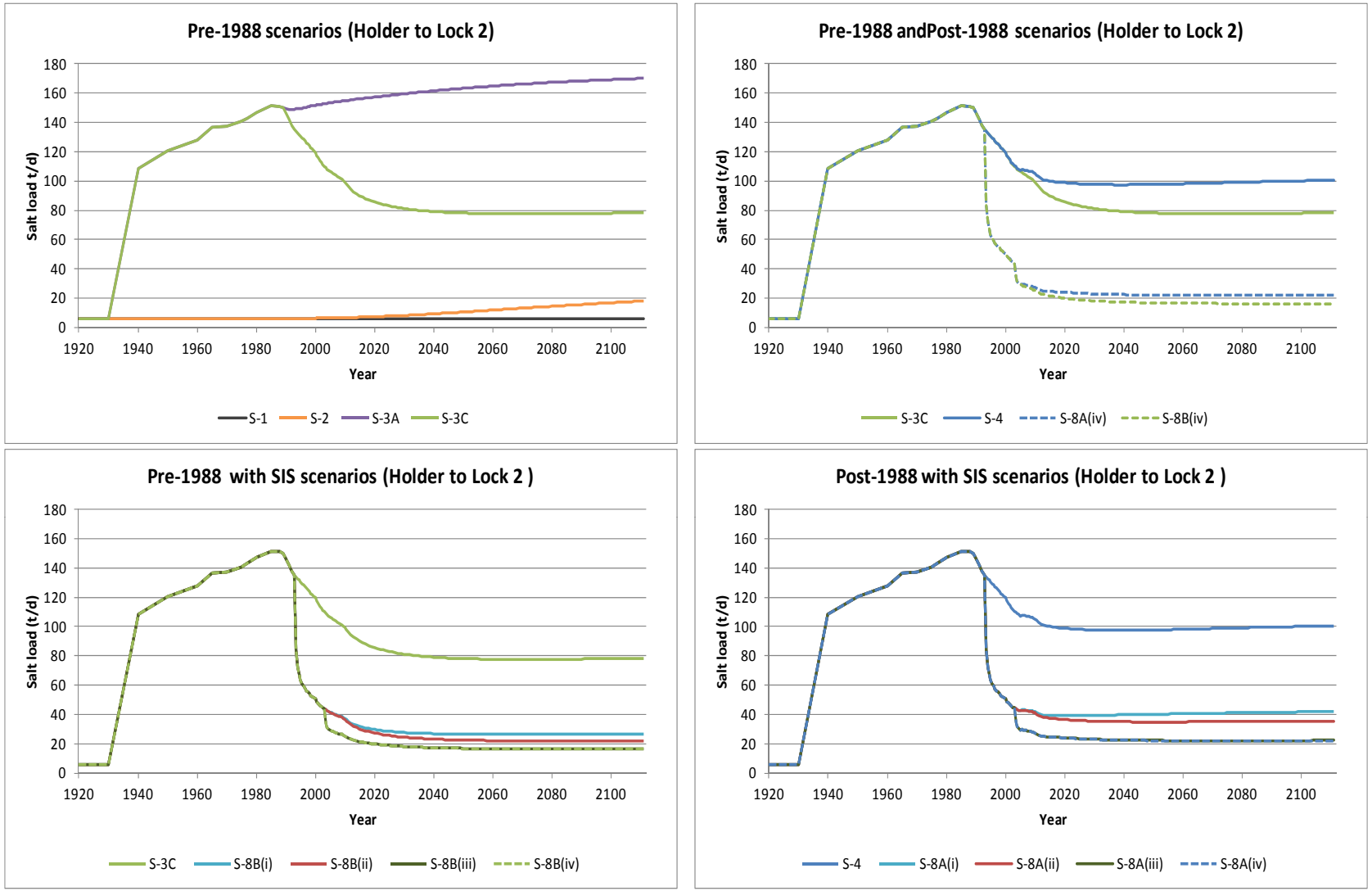
B-1. Modelled total salt load (t/d) entering the River Murray in Holder to Lock 2 for all scenarios (Part 1/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2010.5	5.6	6.6	155.0	97.8	104.2	41.2	40.2	26.4	26.4	36.3	35.4	24.3	24.3
2011	5.6	6.7	155.1	96.5	103.2	40.6	39.6	25.9	25.9	35.5	34.4	23.7	23.7
2012	5.6	6.7	155.4	94.5	101.9	40.0	38.7	25.4	25.4	34.2	33.0	23.0	23.0
2013	5.6	6.8	155.6	92.8	100.8	39.4	37.9	25.0	24.9	33.3	31.9	22.4	22.4
2014	5.6	6.9	155.9	91.3	100.5	39.4	37.7	24.9	24.8	32.5	30.9	21.9	21.9
2015	5.6	6.9	156.1	90.1	100.1	39.3	37.4	24.7	24.7	31.8	30.1	21.5	21.5
2016	5.6	7.0	156.4	89.0	99.7	39.2	37.2	24.5	24.5	31.3	29.4	21.1	21.1
2017	5.6	7.0	156.6	88.1	99.5	39.2	37.0	24.4	24.4	30.8	28.8	20.8	20.7
2018	5.6	7.1	156.9	87.2	99.2	39.2	36.8	24.3	24.2	30.4	28.2	20.4	20.4
2019	5.6	7.2	157.1	86.4	99.0	39.2	36.6	24.2	24.1	30.0	27.7	20.1	20.1
2020	5.6	7.2	157.3	85.7	98.8	39.2	36.5	24.1	24.0	29.7	27.3	19.9	19.9
2021	5.6	7.3	157.6	85.1	98.7	39.3	36.4	23.9	23.9	29.4	26.9	19.6	19.6
2022	5.6	7.4	157.8	84.5	98.5	39.3	36.2	23.8	23.7	29.1	26.5	19.4	19.4
2023	5.6	7.5	158.0	83.9	98.4	39.3	36.1	23.7	23.6	28.9	26.2	19.2	19.2
2024	5.6	7.6	158.3	83.4	98.3	39.3	36.0	23.6	23.5	28.6	25.9	19.0	19.0
2025	5.6	7.7	158.5	83.0	98.1	39.3	35.9	23.5	23.4	28.4	25.6	18.8	18.8
2026	5.6	7.8	158.7	82.6	98.0	39.3	35.8	23.4	23.3	28.2	25.3	18.7	18.6
2027	5.6	7.9	158.9	82.2	97.9	39.3	35.7	23.3	23.2	28.1	25.1	18.5	18.5
2028	5.6	8.0	159.1	81.8	97.9	39.4	35.6	23.2	23.1	27.9	24.8	18.4	18.3
2029	5.6	8.0	159.4	81.5	97.8	39.4	35.5	23.1	23.0	27.8	24.6	18.2	18.2
2030	5.6	8.1	159.6	81.2	97.7	39.4	35.4	23.0	22.9	27.7	24.4	18.1	18.1
2031	5.6	8.2	159.8	80.9	97.7	39.4	35.4	23.0	22.9	27.5	24.3	18.0	18.0
2032	5.6	8.4	160.0	80.6	97.6	39.5	35.3	22.9	22.8	27.4	24.1	17.9	17.9
2033	5.6	8.5	160.2	80.4	97.6	39.5	35.3	22.8	22.7	27.3	23.9	17.8	17.8
2034	5.6	8.6	160.4	80.1	97.5	39.5	35.2	22.8	22.7	27.2	23.8	17.7	17.7
2035	5.6	8.7	160.6	79.9	97.5	39.5	35.2	22.7	22.6	27.2	23.7	17.6	17.6
2036	5.6	8.8	160.8	79.7	97.5	39.6	35.1	22.7	22.6	27.1	23.5	17.5	17.5
2037	5.6	8.9	161.0	79.5	97.5	39.6	35.1	22.6	22.5	27.0	23.4	17.5	17.4
2038	5.6	9.0	161.2	79.4	97.5	39.6	35.0	22.6	22.5	27.0	23.3	17.4	17.4
2039	5.6	9.2	161.4	79.2	97.5	39.7	35.0	22.5	22.4	26.9	23.2	17.3	17.3
2040	5.6	9.3	161.6	79.1	97.5	39.7	35.0	22.5	22.4	26.9	23.1	17.3	17.2
2041	5.6	9.4	161.7	78.9	97.5	39.7	35.0	22.5	22.4	26.8	23.0	17.2	17.2
2042	5.6	9.5	161.9	78.8	97.5	39.8	34.9	22.4	22.3	26.8	23.0	17.1	17.1
2043	5.6	9.7	162.1	78.7	97.5	39.8	34.9	22.4	22.3	26.7	22.9	17.1	17.1
2044	5.6	9.8	162.3	78.6	97.5	39.8	34.9	22.4	22.3	26.7	22.8	17.0	17.0
2045	5.6	9.9	162.5	78.5	97.5	39.9	34.9	22.3	22.2	26.7	22.7	17.0	17.0
2046	5.6	10.0	162.6	78.4	97.6	39.9	34.9	22.3	22.2	26.6	22.7	16.9	16.9
2047	5.6	10.2	162.8	78.3	97.6	40.0	34.9	22.3	22.2	26.6	22.6	16.9	16.9
2048	5.6	10.3	163.0	78.3	97.6	40.0	34.9	22.3	22.2	26.6	22.6	16.9	16.8
2049	5.6	10.4	163.1	78.2	97.7	40.0	34.9	22.3	22.1	26.6	22.5	16.8	16.8
2050	5.6	10.5	163.3	78.1	97.7	40.1	34.9	22.2	22.1	26.5	22.5	16.8	16.8
2051	5.6	10.6	163.5	78.1	97.7	40.1	34.9	22.2	22.1	26.5	22.4	16.8	16.7
2052	5.6	10.8	163.6	78.0	97.8	40.2	34.9	22.2	22.1	26.5	22.4	16.7	16.7
2053	5.6	10.9	163.8	78.0	97.8	40.2	34.9	22.2	22.1	26.5	22.3	16.7	16.7
2054	5.6	11.0	164.0	77.9	97.9	40.2	34.9	22.2	22.1	26.5	22.3	16.7	16.6
2055	5.6	11.2	164.1	77.9	97.9	40.3	34.9	22.2	22.1	26.5	22.3	16.6	16.6
2056	5.6	11.3	164.3	77.9	97.9	40.3	34.9	22.2	22.1	26.5	22.2	16.6	16.6
2057	5.6	11.4	164.4	77.8	98.0	40.3	34.9	22.1	22.0	26.5	22.2	16.6	16.6
2058	5.6	11.5	164.6	77.8	98.0	40.4	34.9	22.1	22.0	26.5	22.2	16.6	16.5
2059	5.6	11.7	164.7	77.8	98.1	40.4	34.9	22.1	22.0	26.5	22.1	16.5	16.5
2060	5.6	11.8	164.9	77.7	98.1	40.5	34.9	22.1	22.0	26.5	22.1	16.5	16.5

B-1. Modelled total salt load (t/d) entering the River Murray in Holder to Lock 2 for all scenarios (Part 2/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2061	5.6	11.9	165.0	77.7	98.2	40.5	34.9	22.1	22.0	26.5	22.1	16.5	16.5
2062	5.6	12.1	165.1	77.7	98.2	40.5	34.9	22.1	22.0	26.5	22.1	16.5	16.5
2063	5.6	12.2	165.3	77.7	98.3	40.6	34.9	22.1	22.0	26.5	22.1	16.5	16.4
2064	5.6	12.3	165.4	77.7	98.3	40.6	34.9	22.1	22.0	26.5	22.0	16.5	16.4
2065	5.6	12.5	165.6	77.7	98.4	40.6	35.0	22.1	22.0	26.5	22.0	16.4	16.4
2066	5.6	12.6	165.7	77.7	98.4	40.7	35.0	22.1	22.0	26.5	22.0	16.4	16.4
2067	5.6	12.7	165.8	77.7	98.5	40.7	35.0	22.1	22.0	26.5	22.0	16.4	16.4
2068	5.6	12.9	165.9	77.7	98.5	40.7	35.0	22.1	22.0	26.5	22.0	16.4	16.4
2069	5.6	13.0	166.1	77.7	98.6	40.8	35.0	22.1	22.0	26.5	22.0	16.4	16.4
2070	5.6	13.1	166.2	77.7	98.6	40.8	35.0	22.1	22.0	26.5	21.9	16.4	16.3
2071	5.6	13.2	166.3	77.7	98.7	40.8	35.0	22.1	22.0	26.5	21.9	16.4	16.3
2072	5.6	13.4	166.4	77.7	98.8	40.9	35.0	22.1	22.0	26.5	21.9	16.4	16.3
2073	5.6	13.5	166.6	77.7	98.8	40.9	35.1	22.1	22.0	26.5	21.9	16.4	16.3
2074	5.6	13.6	166.7	77.7	98.9	40.9	35.1	22.1	22.0	26.5	21.9	16.3	16.3
2075	5.6	13.8	166.8	77.7	98.9	41.0	35.1	22.1	22.0	26.5	21.9	16.3	16.3
2076	5.6	13.9	166.9	77.7	99.0	41.0	35.1	22.1	22.0	26.5	21.9	16.3	16.3
2077	5.6	14.0	167.0	77.7	99.0	41.0	35.1	22.1	22.0	26.5	21.9	16.3	16.3
2078	5.6	14.1	167.1	77.7	99.1	41.1	35.1	22.1	22.0	26.5	21.9	16.3	16.3
2079	5.6	14.3	167.3	77.7	99.1	41.1	35.1	22.1	22.0	26.5	21.9	16.3	16.3
2080	5.6	14.4	167.4	77.7	99.2	41.1	35.2	22.1	22.0	26.6	21.9	16.3	16.3
2081	5.6	14.5	167.5	77.7	99.2	41.2	35.2	22.1	22.0	26.6	21.9	16.3	16.3
2082	5.6	14.7	167.6	77.7	99.3	41.2	35.2	22.1	22.0	26.6	21.9	16.3	16.3
2083	5.6	14.8	167.7	77.8	99.3	41.2	35.2	22.1	22.0	26.6	21.9	16.3	16.2
2084	5.6	14.9	167.8	77.8	99.4	41.2	35.2	22.1	22.0	26.6	21.8	16.3	16.2
2085	5.6	15.0	167.9	77.8	99.4	41.3	35.2	22.1	22.0	26.6	21.8	16.3	16.2
2086	5.6	15.2	168.0	77.8	99.5	41.3	35.2	22.1	22.0	26.6	21.8	16.3	16.2
2087	5.6	15.3	168.1	77.8	99.5	41.3	35.3	22.1	22.0	26.6	21.8	16.3	16.2
2088	5.6	15.4	168.2	77.8	99.6	41.4	35.3	22.1	22.0	26.6	21.8	16.3	16.2
2089	5.6	15.5	168.3	77.8	99.6	41.4	35.3	22.1	22.0	26.6	21.8	16.3	16.2
2090	5.6	15.6	168.4	77.9	99.7	41.4	35.3	22.1	22.0	26.6	21.8	16.3	16.2
2091	5.6	15.8	168.5	77.9	99.7	41.4	35.3	22.1	22.0	26.7	21.8	16.3	16.2
2092	5.6	15.9	168.6	77.9	99.8	41.5	35.3	22.1	22.0	26.7	21.8	16.3	16.2
2093	5.6	16.0	168.7	77.9	99.8	41.5	35.3	22.1	22.0	26.7	21.8	16.3	16.2
2094	5.6	16.1	168.7	77.9	99.9	41.5	35.4	22.1	22.0	26.7	21.8	16.3	16.2
2095	5.6	16.3	168.8	77.9	99.9	41.5	35.4	22.1	22.0	26.7	21.8	16.3	16.2
2096	5.6	16.4	168.9	78.0	99.9	41.6	35.4	22.1	22.0	26.7	21.8	16.3	16.2
2097	5.6	16.5	169.0	78.0	100.0	41.6	35.4	22.2	22.0	26.7	21.8	16.2	16.2
2098	5.6	16.6	169.1	78.0	100.0	41.6	35.4	22.2	22.0	26.7	21.8	16.2	16.2
2099	5.6	16.7	169.2	78.0	100.1	41.6	35.4	22.2	22.0	26.7	21.8	16.2	16.2
2100	5.6	16.8	169.3	78.0	100.1	41.7	35.4	22.2	22.1	26.7	21.8	16.2	16.2
2101	5.6	16.9	169.3	78.0	100.2	41.7	35.5	22.2	22.1	26.7	21.8	16.2	16.2
2102	5.6	17.1	169.4	78.1	100.2	41.7	35.5	22.2	22.1	26.8	21.8	16.2	16.2
2103	5.6	17.2	169.5	78.1	100.2	41.7	35.5	22.2	22.1	26.8	21.8	16.2	16.2
2104	5.6	17.3	169.6	78.1	100.3	41.7	35.5	22.2	22.1	26.8	21.8	16.2	16.2
2105	5.6	17.4	169.6	78.1	100.3	41.8	35.5	22.2	22.1	26.8	21.8	16.2	16.2
2106	5.6	17.5	169.7	78.1	100.4	41.8	35.5	22.2	22.1	26.8	21.8	16.2	16.2
2107	5.6	17.6	169.8	78.1	100.4	41.8	35.5	22.2	22.1	26.8	21.8	16.2	16.2
2108	5.6	17.7	169.9	78.2	100.4	41.8	35.6	22.2	22.1	26.8	21.8	16.2	16.2
2109	5.6	17.8	169.9	78.2	100.5	41.8	35.6	22.2	22.1	26.8	21.8	16.2	16.2
2110	5.6	18.0	170.0	78.2	100.5	41.9	35.6	22.2	22.1	26.8	21.8	16.2	16.2
2111	5.6	18.1	170.1	78.2	100.6	41.9	35.6	22.2	22.1	26.8	21.8	16.2	16.2

B-1. Modelled total salt load (t/d) entering the River Murray in Holder to Lock 2 for all scenarios (Part 3/3)



B-1. Graphs of modelled total salt load (t/d) entering the River Murray in Holder to Lock 2 for all scenarios

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
1930	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
1940	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
1950	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
1960	13.5	13.5	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
1965	13.5	13.6	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
1970	13.5	13.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
1975	13.5	13.6	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
1977	13.5	13.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
1980	13.5	13.7	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
1985	13.5	13.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1988	13.5	13.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
1989	13.5	13.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
1990	13.5	13.8	60.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1991	13.5	13.9	61.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
1992	13.5	13.9	62.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
1993	13.5	13.9	63.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
1993.5	13.5	13.9	64.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1994	13.5	13.9	65.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
1994.5	13.5	14.0	65.7	63.0	63.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
1995	13.5	14.0	66.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
1995.5	13.5	14.0	66.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
1996	13.5	14.0	67.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
1996.5	13.5	14.0	67.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
1997	13.5	14.0	68.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
1997.5	13.5	14.0	69.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
1998	13.5	14.0	69.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
1998.5	13.5	14.0	70.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
1999	13.5	14.0	70.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
1999.5	13.5	14.0	71.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2000	13.5	14.0	71.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2000.5	13.5	14.1	72.0	65.4	65.5	65.5	65.5	65.5	65.5	65.4	65.4	65.4	65.4
2001	13.5	14.1	72.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2001.5	13.5	14.1	72.9	64.2	64.3	64.3	61.0	61.0	61.0	64.2	60.9	60.9	60.9
2002	13.5	14.1	73.3	63.7	63.8	63.8	58.3	58.3	58.3	63.7	58.2	58.2	58.2
2002.5	13.5	14.2	73.6	63.3	63.4	63.4	56.4	56.4	56.4	63.3	56.3	56.3	56.3
2003	13.5	14.2	74.0	62.9	63.0	63.0	54.9	54.9	54.9	62.9	54.8	54.8	54.8
2003.5	13.5	14.2	74.3	62.6	62.7	62.7	53.6	53.6	53.6	62.5	53.5	53.5	53.5
2004	13.5	14.2	74.7	62.3	62.5	62.5	52.6	52.6	52.6	62.2	52.4	52.4	52.4
2004.5	13.5	14.2	75.0	62.0	62.3	62.3	51.7	51.7	51.7	62.0	51.4	51.4	51.4
2005	13.5	14.2	75.3	61.8	62.3	62.2	51.0	51.0	51.0	61.8	50.6	50.6	50.6
2005.5	13.5	14.2	75.6	61.6	62.6	62.6	50.8	50.8	50.8	61.5	49.9	49.9	49.9
2006	13.5	14.3	75.9	61.4	63.0	63.0	50.6	50.6	50.6	61.4	49.2	49.2	49.2
2006.5	13.5	14.3	76.2	61.2	63.4	63.4	50.5	50.4	50.4	61.2	48.6	48.6	48.6
2007	13.5	14.3	76.4	61.1	63.8	63.8	50.4	50.3	50.3	61.0	48.1	48.0	48.0
2007.5	13.5	14.3	76.7	60.9	64.3	64.3	50.4	50.3	50.3	60.9	47.6	47.5	47.5
2008	13.5	14.3	76.9	60.8	64.9	64.9	50.6	50.5	50.5	60.8	47.1	47.0	47.0
2008.5	13.5	14.3	77.2	60.6	65.5	65.4	50.8	50.6	50.6	60.6	46.6	46.5	46.5
2009	13.5	14.3	77.4	60.5	66.0	65.9	50.9	50.7	50.7	60.4	46.2	46.0	46.0
2009.5	13.5	14.3	77.6	60.4	66.4	66.4	51.0	50.7	38.2	60.3	45.8	45.5	34.1
2010	13.5	14.3	77.8	60.2	66.9	66.8	51.1	50.8	32.0	60.2	45.4	45.1	27.9

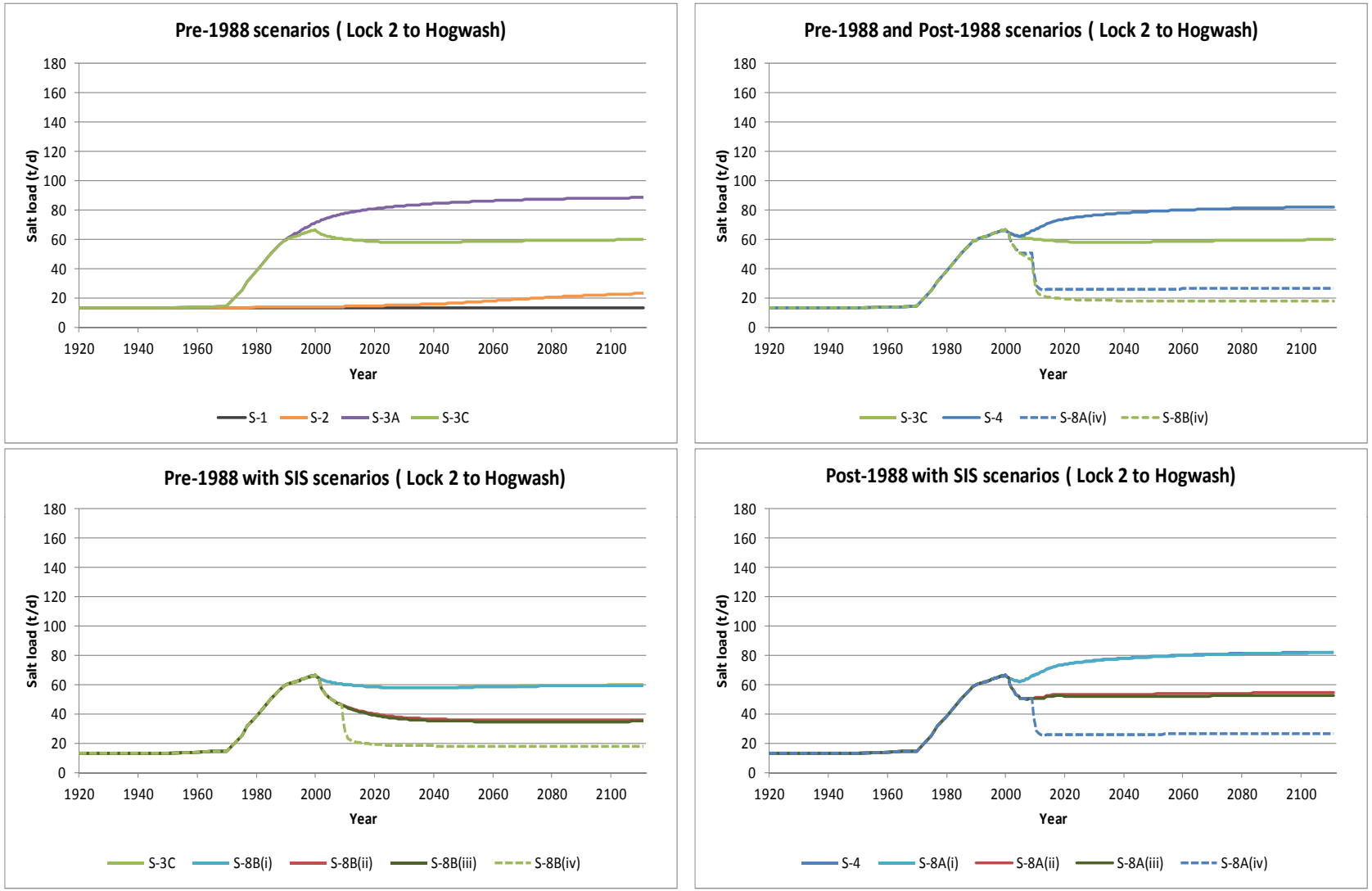
B-1. Modelled total salt load (t/d) entering the River Murray in Lock 2 to Hogwash for all scenarios (Part 1/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2010.5	13.5	14.4	78.0	60.1	67.3	67.3	51.1	50.8	29.0	60.1	45.0	44.7	25.1
2011	13.5	14.4	78.2	60.0	67.7	67.7	51.2	50.8	27.3	60.0	44.7	44.3	23.6
2012	13.5	14.5	78.6	59.8	68.5	68.4	51.4	50.9	25.8	59.8	44.0	43.6	22.2
2013	13.5	14.5	79.0	59.7	69.1	69.1	51.5	50.9	25.2	59.6	43.4	42.9	21.4
2014	13.5	14.6	79.3	59.5	70.7	70.6	52.5	51.8	25.8	59.4	42.9	42.3	20.9
2015	13.5	14.6	79.6	59.3	71.6	71.5	52.9	52.2	26.0	59.2	42.3	41.7	20.5
2016	13.5	14.6	79.9	59.1	72.3	72.2	53.2	52.3	26.1	59.1	41.8	41.1	20.2
2017	13.5	14.7	80.2	59.0	72.8	72.7	53.3	52.4	26.1	58.9	41.4	40.6	19.9
2018	13.5	14.7	80.5	58.8	73.3	73.2	53.4	52.4	26.1	58.8	40.9	40.1	19.7
2019	13.5	14.7	80.8	58.7	73.7	73.6	53.4	52.4	26.1	58.6	40.5	39.6	19.5
2020	13.5	14.8	81.0	58.6	74.0	73.9	53.4	52.3	26.1	58.5	40.1	39.2	19.4
2021	13.5	14.9	81.2	58.5	74.4	74.3	53.4	52.3	26.1	58.4	39.8	38.8	19.3
2022	13.5	14.9	81.5	58.4	74.7	74.6	53.4	52.3	26.1	58.3	39.5	38.5	19.2
2023	13.5	15.0	81.7	58.3	75.0	74.8	53.4	52.2	26.1	58.2	39.2	38.2	19.1
2024	13.5	15.0	81.9	58.2	75.2	75.1	53.4	52.2	26.1	58.1	38.9	37.9	19.0
2025	13.5	15.1	82.1	58.2	75.5	75.4	53.4	52.1	26.1	58.1	38.6	37.6	18.9
2026	13.5	15.1	82.3	58.1	75.7	75.6	53.4	52.1	26.1	58.0	38.4	37.3	18.8
2027	13.5	15.1	82.5	58.1	75.9	75.8	53.4	52.1	26.1	58.0	38.2	37.1	18.7
2028	13.5	15.2	82.7	58.1	76.1	76.0	53.4	52.1	26.1	58.0	38.0	36.9	18.7
2029	13.5	15.2	82.9	58.1	76.3	76.2	53.4	52.0	26.1	57.9	37.8	36.7	18.6
2030	13.5	15.3	83.0	58.0	76.5	76.4	53.4	52.0	26.1	57.9	37.7	36.6	18.6
2031	13.5	15.4	83.2	58.0	76.7	76.6	53.4	52.0	26.1	57.9	37.5	36.4	18.5
2032	13.5	15.4	83.3	58.0	76.9	76.8	53.4	52.0	26.1	57.9	37.4	36.3	18.5
2033	13.5	15.5	83.5	58.0	77.1	76.9	53.4	52.0	26.2	57.9	37.2	36.1	18.5
2034	13.5	15.6	83.7	58.0	77.2	77.1	53.4	51.9	26.2	57.9	37.1	36.0	18.4
2035	13.5	15.6	83.8	58.0	77.4	77.3	53.4	51.9	26.2	57.9	37.0	35.9	18.4
2036	13.5	15.7	83.9	58.1	77.6	77.4	53.4	51.9	26.2	57.9	36.9	35.8	18.4
2037	13.5	15.8	84.1	58.1	77.7	77.6	53.4	51.9	26.2	57.9	36.8	35.7	18.4
2038	13.5	15.8	84.2	58.1	77.9	77.7	53.5	51.9	26.2	57.9	36.7	35.6	18.3
2039	13.5	15.9	84.4	58.1	78.0	77.8	53.5	51.9	26.2	58.0	36.7	35.5	18.3
2040	13.5	15.9	84.5	58.1	78.1	78.0	53.5	51.9	26.2	58.0	36.6	35.5	18.3
2041	13.5	16.1	84.6	58.2	78.3	78.1	53.5	51.9	26.2	58.0	36.5	35.4	18.3
2042	13.5	16.2	84.7	58.2	78.4	78.2	53.5	52.0	26.2	58.0	36.5	35.3	18.3
2043	13.5	16.3	84.8	58.2	78.5	78.3	53.5	52.0	26.2	58.1	36.4	35.3	18.3
2044	13.5	16.3	85.0	58.2	78.6	78.5	53.6	52.0	26.2	58.1	36.4	35.2	18.3
2045	13.5	16.4	85.1	58.3	78.8	78.6	53.6	52.0	26.2	58.1	36.3	35.2	18.2
2046	13.5	16.5	85.2	58.3	78.9	78.7	53.6	52.0	26.3	58.1	36.3	35.2	18.2
2047	13.5	16.6	85.3	58.3	79.0	78.8	53.6	52.0	26.3	58.2	36.2	35.1	18.2
2048	13.5	16.7	85.4	58.4	79.1	78.9	53.6	52.0	26.3	58.2	36.2	35.1	18.2
2049	13.5	16.8	85.5	58.4	79.2	79.0	53.7	52.0	26.3	58.2	36.2	35.1	18.2
2050	13.5	16.9	85.6	58.4	79.3	79.1	53.7	52.0	26.3	58.3	36.1	35.1	18.2
2051	13.5	17.0	85.7	58.5	79.4	79.2	53.7	52.1	26.3	58.3	36.1	35.0	18.2
2052	13.5	17.2	85.8	58.5	79.5	79.3	53.7	52.1	26.3	58.3	36.1	35.0	18.2
2053	13.5	17.3	85.9	58.5	79.6	79.4	53.8	52.1	26.3	58.4	36.1	35.0	18.2
2054	13.5	17.4	86.0	58.6	79.7	79.5	53.8	52.1	26.3	58.4	36.1	35.0	18.2
2055	13.5	17.5	86.0	58.6	79.7	79.6	53.8	52.1	26.3	58.4	36.0	35.0	18.2
2056	13.5	17.7	86.1	58.6	79.8	79.6	53.8	52.1	26.3	58.5	36.0	35.0	18.2
2057	13.5	17.8	86.2	58.7	79.9	79.7	53.8	52.2	26.3	58.5	36.0	35.0	18.2
2058	13.5	17.9	86.3	58.7	80.0	79.8	53.9	52.2	26.4	58.5	36.0	35.0	18.2
2059	13.5	18.0	86.4	58.7	80.1	79.9	53.9	52.2	26.4	58.6	36.0	35.0	18.2
2060	13.5	18.1	86.4	58.8	80.1	79.9	53.9	52.2	26.4	58.6	36.0	34.9	18.2

B-1. Modelled total salt load (t/d) entering the River Murray in Lock 2 to Hogwash for all scenarios (Part 2/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2061	13.5	18.2	86.5	58.8	80.2	80.0	53.9	52.2	26.4	58.6	36.0	34.9	18.2
2062	13.5	18.4	86.6	58.8	80.3	80.1	54.0	52.2	26.4	58.7	35.9	34.9	18.2
2063	13.5	18.5	86.7	58.9	80.4	80.2	54.0	52.3	26.4	58.7	35.9	34.9	18.2
2064	13.5	18.7	86.7	58.9	80.4	80.2	54.0	52.3	26.4	58.7	35.9	34.9	18.2
2065	13.5	18.8	86.8	58.9	80.5	80.3	54.0	52.3	26.4	58.8	35.9	34.9	18.2
2066	13.5	18.9	86.9	59.0	80.6	80.3	54.0	52.3	26.4	58.8	35.9	34.9	18.2
2067	13.5	19.1	86.9	59.0	80.6	80.4	54.1	52.3	26.4	58.8	35.9	34.9	18.2
2068	13.5	19.2	87.0	59.0	80.7	80.5	54.1	52.3	26.4	58.8	35.9	34.9	18.2
2069	13.5	19.3	87.0	59.1	80.7	80.5	54.1	52.4	26.4	58.9	35.9	34.9	18.2
2070	13.5	19.4	87.1	59.1	80.8	80.6	54.1	52.4	26.4	58.9	35.9	34.9	18.2
2071	13.5	19.5	87.2	59.1	80.8	80.6	54.1	52.4	26.4	58.9	35.9	34.9	18.2
2072	13.5	19.7	87.2	59.1	80.9	80.7	54.2	52.4	26.5	59.0	35.9	34.9	18.2
2073	13.5	19.8	87.3	59.2	81.0	80.7	54.2	52.4	26.5	59.0	35.9	34.9	18.2
2074	13.5	19.9	87.3	59.2	81.0	80.8	54.2	52.4	26.5	59.0	35.9	34.9	18.2
2075	13.5	20.1	87.4	59.2	81.1	80.8	54.2	52.5	26.5	59.0	35.9	34.9	18.2
2076	13.5	20.2	87.4	59.3	81.1	80.9	54.2	52.5	26.5	59.1	35.9	34.9	18.2
2077	13.5	20.3	87.5	59.3	81.2	80.9	54.3	52.5	26.5	59.1	35.9	34.9	18.2
2078	13.5	20.4	87.5	59.3	81.2	81.0	54.3	52.5	26.5	59.1	35.9	34.9	18.2
2079	13.5	20.5	87.6	59.3	81.2	81.0	54.3	52.5	26.5	59.1	35.9	34.9	18.2
2080	13.5	20.6	87.6	59.3	81.3	81.1	54.3	52.5	26.5	59.1	35.9	34.9	18.2
2081	13.5	20.7	87.7	59.4	81.3	81.1	54.3	52.5	26.5	59.2	35.9	34.9	18.2
2082	13.5	20.8	87.7	59.4	81.4	81.1	54.3	52.6	26.5	59.2	35.9	34.9	18.2
2083	13.5	20.9	87.7	59.4	81.4	81.2	54.4	52.6	26.5	59.2	35.9	34.9	18.2
2084	13.5	21.0	87.8	59.4	81.4	81.2	54.4	52.6	26.5	59.2	35.9	34.9	18.2
2085	13.5	21.2	87.8	59.5	81.5	81.2	54.4	52.6	26.5	59.3	35.9	34.9	18.2
2086	13.5	21.3	87.9	59.5	81.5	81.3	54.4	52.6	26.5	59.3	35.9	34.9	18.2
2087	13.5	21.4	87.9	59.5	81.6	81.3	54.4	52.6	26.5	59.3	35.9	34.9	18.2
2088	13.5	21.4	87.9	59.5	81.6	81.4	54.4	52.6	26.5	59.3	35.9	34.9	18.2
2089	13.5	21.5	88.0	59.5	81.6	81.4	54.4	52.6	26.5	59.3	35.9	34.9	18.2
2090	13.5	21.6	88.0	59.6	81.7	81.4	54.5	52.7	26.6	59.4	35.9	35.0	18.2
2091	13.5	21.7	88.0	59.6	81.7	81.5	54.5	52.7	26.6	59.4	35.9	35.0	18.2
2092	13.5	21.8	88.1	59.6	81.7	81.5	54.5	52.7	26.6	59.4	35.9	35.0	18.2
2093	13.5	21.9	88.1	59.6	81.8	81.5	54.5	52.7	26.6	59.4	35.9	35.0	18.2
2094	13.5	22.0	88.1	59.6	81.8	81.5	54.5	52.7	26.6	59.4	35.9	35.0	18.2
2095	13.5	22.1	88.2	59.7	81.8	81.6	54.5	52.7	26.6	59.4	35.9	35.0	18.2
2096	13.5	22.2	88.2	59.7	81.8	81.6	54.5	52.7	26.6	59.5	35.9	35.0	18.2
2097	13.5	22.3	88.2	59.7	81.9	81.6	54.6	52.7	26.6	59.5	35.9	35.0	18.2
2098	13.5	22.3	88.3	59.7	81.9	81.6	54.6	52.7	26.6	59.5	35.9	35.0	18.2
2099	13.5	22.4	88.3	59.7	81.9	81.7	54.6	52.7	26.6	59.5	35.9	35.0	18.2
2100	13.5	22.5	88.3	59.7	81.9	81.7	54.6	52.8	26.6	59.5	35.9	35.0	18.2
2101	13.5	22.6	88.3	59.7	82.0	81.7	54.6	52.8	26.6	59.5	35.9	35.0	18.2
2102	13.5	22.6	88.4	59.8	82.0	81.7	54.6	52.8	26.6	59.5	35.9	35.0	18.2
2103	13.5	22.7	88.4	59.8	82.0	81.8	54.6	52.8	26.6	59.6	35.9	35.0	18.2
2104	13.5	22.8	88.4	59.8	82.0	81.8	54.6	52.8	26.6	59.6	35.9	35.0	18.2
2105	13.5	22.9	88.5	59.8	82.1	81.8	54.6	52.8	26.6	59.6	35.9	35.0	18.2
2106	13.5	22.9	88.5	59.8	82.1	81.8	54.7	52.8	26.6	59.6	35.9	35.0	18.2
2107	13.5	23.0	88.5	59.8	82.1	81.9	54.7	52.8	26.6	59.6	35.9	35.0	18.2
2108	13.5	23.1	88.5	59.8	82.1	81.9	54.7	52.8	26.6	59.6	35.9	35.0	18.2
2109	13.5	23.1	88.5	59.9	82.2	81.9	54.7	52.8	26.6	59.6	35.9	35.0	18.2
2110	13.5	23.2	88.6	59.9	82.2	81.9	54.7	52.8	26.6	59.6	35.9	35.0	18.2
2111	13.5	23.2	88.6	59.9	82.2	81.9	54.7	52.9	26.6	59.7	36.0	35.0	18.2

B-1. Modelled total salt load (t/d) entering the River Murray in Lock 2 to Hogwash for all scenarios (Part 3/3)



B-1. Graphs of modelled total salt load (t/d) entering the River Murray in Lock 2 to Hogwash for all scenarios

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
1930	4.6	4.6	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
1940	4.6	4.6	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
1950	4.6	4.6	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
1960	4.6	4.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
1965	4.6	4.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
1970	4.6	4.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
1975	4.6	4.6	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
1977	4.6	4.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
1980	4.6	4.6	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
1985	4.6	4.6	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1988	4.6	4.6	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1989	4.6	4.6	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1990	4.6	4.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
1991	4.6	4.6	22.7	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1992	4.6	4.6	22.7	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
1993	4.6	4.6	22.8	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
1993.5	4.6	4.6	22.8	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
1994	4.6	4.6	22.8	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
1994.5	4.6	4.6	22.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
1995	4.6	4.6	22.9	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
1995.5	4.6	4.6	22.9	17.6	19.3	19.3	19.3	19.3	19.3	17.6	17.6	17.6	17.6
1996	4.6	4.6	22.9	17.3	19.7	19.7	19.7	19.7	19.7	17.3	17.3	17.3	17.3
1996.5	4.6	4.6	22.9	17.0	19.9	19.9	19.9	19.9	19.9	17.0	17.0	17.0	17.0
1997	4.6	4.6	22.9	16.8	20.0	20.0	20.0	20.0	20.0	16.8	16.8	16.8	16.8
1997.5	4.6	4.6	23.0	16.6	20.5	20.5	20.5	20.5	20.5	16.6	16.6	16.6	16.6
1998	4.6	4.6	23.0	16.4	20.8	20.8	20.8	20.8	20.8	16.4	16.4	16.4	16.4
1998.5	4.6	4.6	23.0	16.3	20.9	20.9	20.9	20.9	20.9	16.3	16.3	16.3	16.3
1999	4.6	4.6	23.0	16.1	21.0	21.0	21.0	21.0	21.0	16.1	16.1	16.1	16.1
1999.5	4.6	4.6	23.1	15.2	20.1	20.1	20.1	20.1	20.1	15.2	15.2	15.2	15.2
2000	4.6	4.6	23.1	14.8	20.0	20.0	20.0	20.0	20.0	14.8	14.8	14.8	14.8
2000.5	4.6	4.6	23.1	13.7	18.5	18.5	18.5	18.5	18.5	13.7	13.7	13.7	13.7
2001	4.6	4.6	23.1	13.1	17.8	17.8	17.8	17.8	17.8	13.1	13.1	13.1	13.1
2001.5	4.6	4.6	23.1	12.7	17.7	17.7	17.7	17.7	17.7	12.7	12.7	12.7	12.7
2002	4.6	4.6	23.2	12.4	17.4	17.4	17.4	17.4	17.4	12.4	12.3	12.3	12.3
2002.5	4.6	4.6	23.2	12.1	17.1	17.1	17.1	17.1	17.1	12.1	12.0	12.0	12.0
2003	4.6	4.6	23.2	11.8	16.9	16.9	16.9	16.9	16.9	11.8	11.8	11.8	11.8
2003.5	4.6	4.6	23.2	11.6	17.4	17.4	17.3	17.3	17.3	11.6	11.5	11.5	11.5
2004	4.6	4.6	23.2	11.4	17.6	17.6	17.5	17.5	17.5	11.4	11.3	11.3	11.3
2004.5	4.6	4.6	23.2	11.2	18.0	18.0	17.9	17.9	17.9	11.2	11.1	11.1	11.1
2005	4.6	4.7	23.2	11.1	18.1	18.1	18.0	18.0	18.0	11.1	11.0	11.0	11.0
2005.5	4.6	4.7	23.3	11.0	18.3	18.3	18.2	18.2	18.2	11.0	10.9	10.9	10.9
2006	4.6	4.7	23.3	10.9	18.4	18.4	18.3	18.3	18.3	10.9	10.7	10.7	10.7
2006.5	4.6	4.7	23.3	10.8	18.5	18.5	18.3	18.3	18.3	10.8	10.6	10.6	10.6
2007	4.6	4.7	23.3	10.7	18.5	18.5	18.4	18.4	18.4	10.7	10.5	10.5	10.5
2007.5	4.6	4.7	23.3	10.6	18.6	18.6	18.4	18.4	18.4	10.6	10.4	10.4	10.4
2008	4.6	4.7	23.3	10.5	18.7	18.7	18.5	18.5	18.5	10.5	10.4	10.4	10.4
2008.5	4.6	4.7	23.3	9.8	16.9	16.9	16.7	16.7	16.7	9.8	9.6	9.6	9.6
2009	4.6	4.7	23.4	9.4	16.1	16.1	15.9	15.9	15.9	9.4	9.3	9.3	9.3
2009.5	4.6	4.7	23.4	9.2	15.7	15.7	15.4	15.4	15.3	9.2	9.0	9.0	8.9
2010	4.6	4.7	23.4	9.0	15.3	15.3	15.1	15.1	14.8	9.0	8.8	8.8	8.6

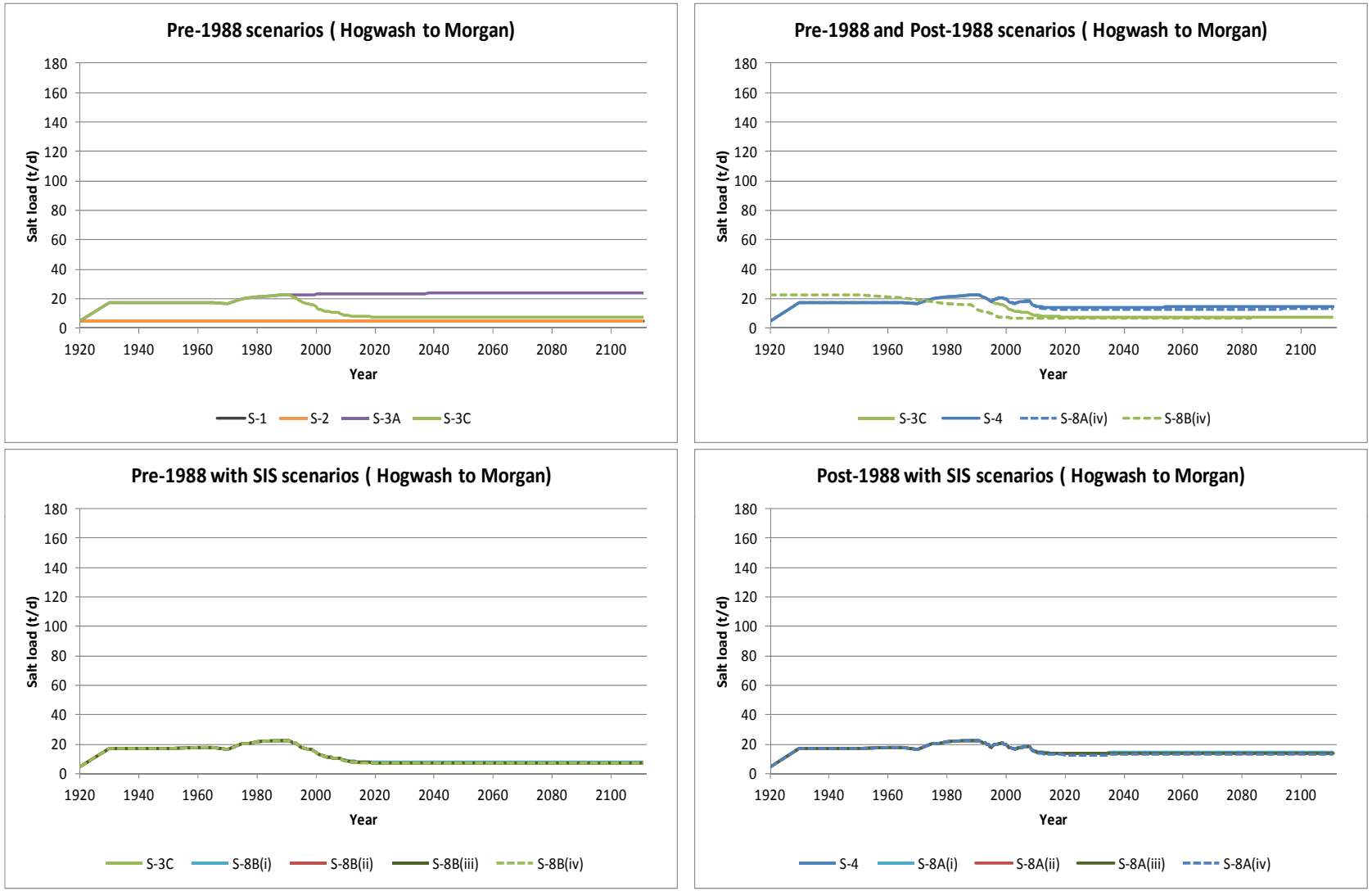
B-1. Modelled total salt load (t/d) entering the River Murray in Hogwash to Morgan for all scenarios (Part 1/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2010.5	4.6	4.7	23.4	8.8	15.1	15.1	14.8	14.8	14.4	8.8	8.7	8.7	8.4
2011	4.6	4.7	23.4	8.7	14.8	14.8	14.6	14.6	14.1	8.7	8.5	8.5	8.2
2012	4.6	4.7	23.4	8.5	14.6	14.6	14.3	14.3	13.7	8.5	8.3	8.3	8.0
2013	4.6	4.7	23.4	8.3	14.4	14.4	14.1	14.1	13.5	8.3	8.1	8.1	7.8
2014	4.6	4.7	23.4	8.2	14.3	14.3	14.0	14.0	13.3	8.2	8.0	8.0	7.6
2015	4.6	4.7	23.5	8.1	14.2	14.2	13.9	13.9	13.2	8.1	7.9	7.9	7.5
2016	4.6	4.7	23.5	8.0	14.1	14.1	13.8	13.8	13.1	8.0	7.8	7.8	7.4
2017	4.6	4.7	23.5	8.0	14.1	14.1	13.7	13.7	13.0	8.0	7.7	7.7	7.4
2018	4.6	4.7	23.5	7.9	14.0	14.0	13.7	13.7	13.0	7.9	7.7	7.7	7.3
2019	4.6	4.7	23.5	7.9	14.0	14.0	13.7	13.7	12.9	7.9	7.6	7.6	7.3
2020	4.6	4.7	23.5	7.8	14.0	14.0	13.6	13.6	12.9	7.8	7.6	7.6	7.2
2021	4.6	4.7	23.6	7.8	14.0	14.0	13.6	13.6	12.9	7.8	7.6	7.6	7.2
2022	4.6	4.7	23.6	7.8	14.0	14.0	13.6	13.6	12.9	7.8	7.5	7.5	7.2
2023	4.6	4.7	23.6	7.8	14.0	14.0	13.6	13.6	12.9	7.8	7.5	7.5	7.2
2024	4.6	4.7	23.6	7.8	14.1	14.1	13.6	13.6	12.9	7.8	7.5	7.5	7.1
2025	4.6	4.7	23.6	7.8	14.1	14.1	13.6	13.6	12.9	7.8	7.5	7.5	7.1
2026	4.6	4.7	23.6	7.8	14.1	14.1	13.6	13.6	12.9	7.8	7.5	7.5	7.1
2027	4.6	4.7	23.6	7.8	14.1	14.1	13.6	13.6	12.9	7.8	7.5	7.5	7.1
2028	4.6	4.7	23.6	7.7	14.1	14.1	13.7	13.6	12.9	7.7	7.5	7.5	7.1
2029	4.6	4.7	23.6	7.7	14.1	14.1	13.7	13.7	12.9	7.7	7.4	7.4	7.1
2030	4.6	4.7	23.7	7.7	14.2	14.2	13.7	13.7	12.9	7.7	7.4	7.4	7.1
2031	4.6	4.7	23.7	7.7	14.2	14.2	13.7	13.7	12.9	7.7	7.4	7.4	7.1
2032	4.6	4.7	23.7	7.7	14.2	14.2	13.7	13.7	12.9	7.7	7.4	7.4	7.1
2033	4.6	4.7	23.7	7.7	14.2	14.2	13.7	13.7	12.9	7.7	7.4	7.4	7.1
2034	4.6	4.7	23.7	7.7	14.2	14.2	13.7	13.7	12.9	7.7	7.4	7.4	7.1
2035	4.6	4.7	23.7	7.7	14.2	14.2	13.7	13.7	12.9	7.7	7.4	7.4	7.0
2036	4.6	4.7	23.7	7.7	14.3	14.3	13.7	13.7	12.9	7.7	7.4	7.4	7.0
2037	4.6	4.7	23.7	7.7	14.3	14.3	13.7	13.7	12.9	7.7	7.4	7.4	7.0
2038	4.6	4.7	23.7	7.7	14.3	14.3	13.8	13.7	12.9	7.7	7.4	7.4	7.0
2039	4.6	4.7	23.7	7.7	14.3	14.3	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2040	4.6	4.7	23.7	7.7	14.3	14.3	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2041	4.6	4.7	23.7	7.7	14.3	14.3	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2042	4.6	4.7	23.7	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2043	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2044	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2045	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2046	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2047	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2048	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2049	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2050	4.6	4.7	23.8	7.7	14.4	14.4	13.8	13.8	13.0	7.7	7.4	7.4	7.0
2051	4.6	4.8	23.8	7.7	14.5	14.5	13.9	13.8	13.0	7.7	7.4	7.4	7.0
2052	4.6	4.8	23.8	7.7	14.5	14.5	13.9	13.8	13.0	7.7	7.4	7.4	7.0
2053	4.6	4.8	23.8	7.7	14.5	14.5	13.9	13.9	13.0	7.7	7.4	7.4	7.0
2054	4.6	4.8	23.8	7.8	14.5	14.5	13.9	13.9	13.0	7.7	7.4	7.4	7.0
2055	4.6	4.8	23.8	7.8	14.5	14.5	13.9	13.9	13.0	7.7	7.4	7.4	7.0
2056	4.6	4.8	23.8	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2057	4.6	4.8	23.8	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2058	4.6	4.8	23.8	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2059	4.6	4.8	23.8	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2060	4.6	4.8	23.9	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0

B-1. Modelled total salt load (t/d) entering the River Murray in Hogwash to Morgan for all scenarios (Part 2/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2061	4.6	4.8	23.9	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2062	4.6	4.8	23.9	7.8	14.5	14.5	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2063	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2064	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2065	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2066	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2067	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2068	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2069	4.6	4.8	23.9	7.8	14.6	14.6	13.9	13.9	13.1	7.8	7.4	7.4	7.0
2070	4.6	4.8	23.9	7.8	14.6	14.6	14.0	13.9	13.1	7.8	7.4	7.4	7.0
2071	4.6	4.8	23.9	7.8	14.6	14.6	14.0	13.9	13.1	7.8	7.4	7.4	7.0
2072	4.6	4.8	23.9	7.8	14.6	14.6	14.0	13.9	13.1	7.8	7.4	7.4	7.0
2073	4.6	4.8	23.9	7.8	14.6	14.6	14.0	13.9	13.1	7.8	7.4	7.4	7.0
2074	4.6	4.8	23.9	7.8	14.6	14.6	14.0	13.9	13.1	7.8	7.4	7.4	7.0
2075	4.6	4.9	23.9	7.8	14.6	14.6	14.0	13.9	13.1	7.8	7.4	7.4	7.0
2076	4.6	4.9	23.9	7.8	14.6	14.6	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2077	4.6	4.9	23.9	7.8	14.6	14.6	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2078	4.6	4.9	23.9	7.8	14.6	14.6	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2079	4.6	4.9	23.9	7.8	14.6	14.6	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2080	4.6	4.9	23.9	7.8	14.6	14.6	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2081	4.6	4.9	23.9	7.8	14.7	14.6	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2082	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2083	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2084	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2085	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.1	7.8	7.4	7.4	7.0
2086	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2087	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2088	4.6	4.9	23.9	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2089	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2090	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2091	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2092	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2093	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2094	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2095	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2096	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2097	4.6	4.9	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2098	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2099	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2100	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2101	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2102	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2103	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2104	4.6	5.0	24.0	7.8	14.7	14.7	14.0	14.0	13.2	7.8	7.4	7.4	7.0
2105	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0
2106	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0
2107	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0
2108	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0
2109	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0
2110	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0
2111	4.6	5.0	24.0	7.8	14.7	14.7	14.1	14.0	13.2	7.8	7.4	7.4	7.0

B-1. Modelled total salt load (t/d) entering the River Murray in Hogwash to Morgan for all scenarios (Part 3/3)



B-1. Graphs of modelled total salt load (t/d) entering the River Murray in Hogwash to Morgan for all scenarios

B-2 SUMMARY OF FLUX FOR HOLDER TO LOCK 2, LOCK 2 TO HOGWASH, AND HOGWASH TO MORGAN

- Model scenario conditions
- Modelled total groundwater flux (m^3/d) entering the River Murray for all scenarios

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3C	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8A(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8A(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8A(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8A(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8B(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8B(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8B(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8B(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
IIP = Improved irrigation practices		*RH = Rehabilitation of irrigation distribution networks*		*SIS = Salt interception scheme*	
CY = Current year		*CY100 = 100 years from the current year*			

B-2. Model scenario conditions

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	431	431	431	431	431	431	431	431	431	431	431	431	431
1930	431	433	431	431	431	431	431	431	431	431	431	431	431
1940	431	434	7751	7751	7751	7751	7751	7751	7751	7751	7751	7751	7751
1950	431	437	8589	8589	8589	8589	8589	8589	8589	8589	8589	8589	8589
1960	431	442	9212	9212	9212	9212	9212	9212	9212	9212	9212	9212	9212
1965	431	447	9858	9858	9858	9858	9858	9858	9858	9858	9858	9858	9858
1970	431	448	9924	9924	9924	9924	9924	9924	9924	9924	9924	9924	9924
1975	431	454	10035	10035	10035	10035	10035	10035	10035	10035	10035	10035	10035
1977	431	454	10175	10175	10175	10175	10175	10175	10175	10175	10175	10175	10175
1980	431	455	10424	10424	10424	10424	10424	10424	10424	10424	10424	10424	10424
1985	431	462	10659	10659	10659	10659	10659	10659	10659	10659	10659	10659	10659
1988	431	464	10606	10606	10606	10606	10606	10606	10606	10606	10606	10606	10606
1989	431	464	10506	10506	10506	10506	10506	10506	10506	10506	10506	10506	10506
1990	431	465	10462	10289	10289	10289	10289	10289	10289	10289	10289	10289	10289
1991	431	467	10439	9959	9959	9959	9959	9959	9959	9959	9959	9959	9959
1992	431	469	10427	9688	9688	9688	9688	9688	9688	9688	9688	9688	9688
1993	431	471	10424	9482	9482	9482	9482	9482	9482	9482	9482	9482	9482
1994	431	472	10424	9389	9389	5664	5664	5664	5664	5664	5664	5664	5664
1994	431	473	10426	9311	9311	4837	4837	4837	4837	4837	4837	4837	4837
1995	431	473	10428	9227	9227	4451	4451	4451	4451	4451	4451	4451	4451
1995	431	474	10431	9155	9155	4226	4226	4226	4226	4226	4226	4226	4226
1996	431	475	10439	9068	9068	4056	4056	4056	4056	4056	4056	4056	4056
1996	431	476	10455	9002	9002	3943	3943	3943	3943	3943	3943	3943	3943
1997	431	476	10473	8906	8906	3822	3822	3822	3822	3822	3822	3822	3822
1997	431	477	10489	8829	8829	3735	3735	3735	3735	3735	3735	3735	3735
1998	431	478	10503	8740	8740	3645	3645	3645	3645	3645	3645	3645	3645
1998	431	478	10516	8666	8666	3577	3577	3577	3577	3577	3577	3577	3577
1999	431	479	10528	8578	8578	3501	3501	3501	3501	3501	3501	3501	3501
1999	431	479	10540	8504	8504	3443	3443	3443	3443	3443	3443	3443	3443
2000	431	480	10550	8416	8416	3374	3374	3374	3374	3374	3374	3374	3374
2000	431	480	10560	8343	8343	3322	3322	3322	3322	3322	3322	3322	3322
2001	431	482	10570	8207	8212	3222	3222	3222	3222	3218	3218	3218	3218
2001	431	484	10580	8089	8098	3143	3143	3143	3143	3135	3135	3135	3135
2002	431	485	10589	7971	7985	3068	3068	3068	3068	3054	3054	3054	3054
2002	431	487	10598	7869	7890	3009	3009	3009	3009	2988	2988	2988	2988
2003	431	488	10607	7782	7809	2961	2961	2961	2961	2935	2935	2935	2935
2003	431	490	10616	7702	7737	2920	2919	2919	2919	2887	2887	2887	2887
2004	431	491	10624	7632	7672	2884	2882	2299	2299	2845	2844	2282	2282
2004	431	493	10633	7565	7612	2851	2848	2140	2140	2807	2805	2129	2129
2005	431	494	10642	7505	7557	2821	2817	2061	2061	2772	2768	2052	2052
2005	431	496	10650	7447	7505	2793	2787	2009	2009	2739	2733	2001	2001
2006	431	497	10658	7394	7526	2829	2820	2017	2017	2710	2701	1963	1963
2006	431	498	10666	7344	7517	2832	2819	2004	2004	2682	2669	1931	1931
2007	431	499	10675	7297	7502	2829	2813	1989	1989	2656	2640	1903	1903
2007	431	500	10683	7251	7483	2823	2802	1973	1973	2632	2611	1878	1878
2008	431	502	10691	7209	7468	2819	2793	1961	1961	2609	2584	1855	1855
2008	431	503	10699	7168	7452	2813	2782	1949	1949	2587	2557	1833	1833
2009	431	504	10707	7130	7437	2807	2772	1937	1937	2567	2532	1813	1813
2009	431	505	10715	7093	7421	2801	2760	1925	1925	2548	2507	1794	1794
2010	431	506	10722	7021	7377	2775	2728	1890	1890	2501	2455	1750	1749
2010	431	507	10730	6961	7344	2759	2707	1867	1867	2468	2417	1719	1718

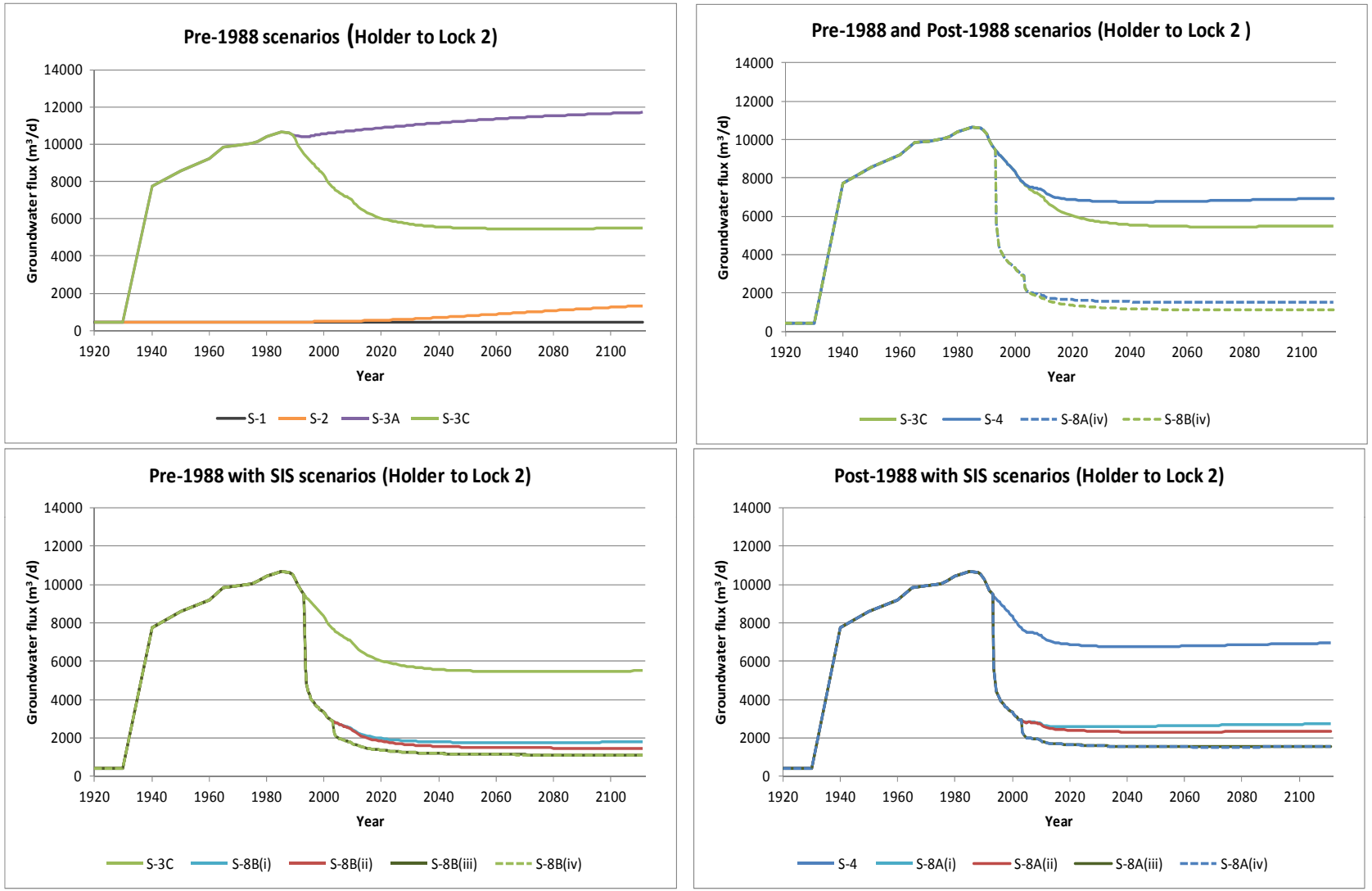
B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 for all scenarios (Part 1/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2011	431	509	10738	6857	7263	2703	2645	1812	1811	2397	2339	1664	1664
2011	431	512	10746	6770	7198	2665	2600	1778	1777	2343	2280	1629	1628
2012	431	518	10761	6630	7108	2622	2545	1744	1743	2265	2190	1579	1578
2013	431	523	10776	6515	7034	2588	2499	1715	1714	2204	2119	1540	1539
2014	431	528	10792	6419	7000	2583	2482	1707	1705	2155	2060	1507	1506
2015	431	532	10807	6336	6970	2578	2466	1697	1695	2114	2009	1478	1477
2016	431	537	10822	6262	6944	2573	2450	1687	1685	2079	1964	1452	1450
2017	431	541	10836	6196	6923	2573	2438	1679	1677	2048	1924	1428	1426
2018	431	545	10851	6137	6906	2572	2428	1672	1669	2021	1889	1406	1405
2019	431	549	10866	6083	6890	2573	2419	1665	1662	1996	1858	1387	1385
2020	431	553	10880	6035	6876	2574	2410	1658	1654	1975	1829	1369	1367
2021	431	560	10895	5990	6863	2574	2402	1650	1646	1955	1803	1352	1351
2022	431	568	10909	5949	6850	2575	2394	1642	1638	1937	1779	1337	1335
2023	431	575	10923	5911	6839	2575	2386	1635	1631	1921	1758	1323	1321
2024	431	582	10937	5877	6828	2576	2379	1628	1624	1907	1738	1310	1309
2025	431	588	10951	5844	6819	2576	2373	1621	1617	1893	1719	1298	1296
2026	431	595	10965	5815	6810	2577	2366	1615	1611	1881	1702	1287	1285
2027	431	601	10979	5787	6802	2578	2361	1609	1604	1870	1687	1277	1275
2028	431	606	10992	5762	6794	2579	2355	1603	1599	1860	1672	1268	1265
2029	431	612	11006	5738	6788	2580	2350	1598	1593	1851	1659	1259	1256
2030	431	618	11019	5717	6782	2581	2346	1593	1588	1843	1646	1250	1248
2031	431	627	11032	5697	6777	2582	2341	1588	1584	1835	1635	1243	1240
2032	431	636	11046	5678	6772	2583	2337	1584	1579	1828	1624	1235	1233
2033	431	645	11059	5660	6768	2585	2334	1580	1575	1821	1614	1228	1226
2034	431	653	11071	5644	6765	2586	2331	1576	1571	1815	1605	1222	1220
2035	431	662	11084	5629	6762	2588	2328	1573	1568	1810	1596	1216	1214
2036	431	670	11097	5615	6759	2589	2325	1569	1564	1805	1588	1210	1208
2037	431	678	11109	5602	6757	2591	2323	1566	1561	1800	1581	1205	1203
2038	431	686	11122	5591	6756	2593	2320	1564	1558	1796	1574	1200	1198
2039	431	693	11134	5579	6755	2595	2319	1561	1556	1792	1567	1196	1193
2040	431	700	11146	5569	6754	2597	2317	1558	1553	1789	1561	1191	1189
2041	431	711	11158	5560	6754	2599	2315	1556	1551	1786	1555	1187	1185
2042	431	721	11170	5551	6754	2601	2314	1554	1549	1783	1550	1183	1181
2043	431	731	11182	5543	6754	2603	2313	1552	1547	1780	1545	1179	1177
2044	431	740	11193	5535	6754	2605	2312	1550	1545	1778	1540	1176	1174
2045	431	749	11204	5528	6755	2607	2311	1548	1543	1776	1536	1173	1170
2046	431	758	11216	5522	6756	2609	2311	1547	1542	1774	1532	1170	1167
2047	431	766	11227	5516	6757	2611	2310	1545	1540	1772	1528	1167	1164
2048	431	774	11238	5510	6759	2614	2310	1544	1539	1770	1524	1164	1162
2049	431	782	11249	5505	6760	2616	2309	1543	1537	1769	1521	1162	1159
2050	431	790	11260	5500	6762	2618	2309	1542	1536	1768	1518	1159	1157
2051	431	800	11271	5496	6764	2620	2309	1541	1535	1767	1515	1157	1154
2052	431	810	11281	5492	6766	2623	2309	1540	1534	1766	1512	1155	1152
2053	431	820	11292	5489	6768	2625	2309	1539	1533	1765	1509	1153	1150
2054	431	830	11302	5485	6771	2627	2309	1538	1532	1764	1507	1151	1148
2055	431	839	11312	5483	6773	2630	2310	1537	1532	1763	1505	1149	1146
2056	431	848	11322	5480	6776	2632	2310	1537	1531	1763	1503	1147	1145
2057	431	857	11332	5477	6779	2634	2310	1536	1530	1762	1501	1146	1143
2058	431	866	11342	5475	6781	2637	2311	1535	1530	1762	1499	1144	1142
2059	431	874	11351	5473	6784	2639	2311	1535	1529	1762	1497	1143	1140
2060	431	883	11361	5472	6787	2641	2312	1534	1529	1761	1495	1141	1139

B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 for all scenarios (Part 2/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2061	431	894	11370	5470	6790	2643	2312	1534	1528	1761	1494	1140	1137
2062	431	905	11380	5469	6793	2646	2313	1534	1528	1761	1492	1139	1136
2063	431	914	11389	5468	6796	2648	2313	1533	1528	1761	1491	1138	1135
2064	431	924	11398	5467	6799	2650	2314	1533	1527	1761	1490	1137	1134
2065	431	933	11407	5466	6802	2652	2315	1533	1527	1761	1489	1136	1133
2066	431	943	11416	5465	6806	2654	2315	1533	1527	1761	1488	1135	1132
2067	431	952	11424	5465	6809	2657	2316	1533	1527	1762	1487	1134	1131
2068	431	961	11433	5464	6812	2659	2317	1532	1527	1762	1486	1133	1130
2069	431	970	11441	5464	6815	2661	2318	1532	1527	1762	1485	1132	1130
2070	431	978	11450	5464	6819	2663	2319	1532	1526	1762	1484	1132	1129
2071	431	989	11458	5464	6822	2665	2319	1532	1526	1763	1483	1131	1128
2072	431	999	11466	5464	6825	2667	2320	1532	1526	1763	1482	1130	1127
2073	431	1009	11474	5464	6829	2669	2321	1532	1526	1763	1482	1130	1127
2074	431	1018	11482	5464	6832	2671	2322	1532	1526	1764	1481	1129	1126
2075	431	1027	11490	5464	6835	2673	2323	1532	1526	1764	1481	1128	1126
2076	431	1036	11498	5465	6839	2675	2324	1532	1526	1765	1480	1128	1125
2077	431	1045	11505	5465	6842	2677	2325	1532	1527	1765	1480	1127	1125
2078	431	1054	11513	5465	6845	2679	2326	1533	1527	1766	1479	1127	1124
2079	431	1063	11520	5466	6849	2681	2327	1533	1527	1766	1479	1127	1124
2080	431	1071	11528	5467	6852	2683	2327	1533	1527	1767	1478	1126	1123
2081	431	1081	11535	5467	6855	2685	2328	1533	1527	1767	1478	1126	1123
2082	431	1091	11542	5468	6858	2686	2329	1533	1527	1768	1478	1125	1122
2083	431	1100	11549	5469	6862	2688	2330	1533	1527	1768	1477	1125	1122
2084	431	1110	11556	5470	6865	2690	2331	1533	1527	1769	1477	1125	1122
2085	431	1119	11562	5470	6868	2692	2332	1534	1528	1769	1477	1124	1122
2086	431	1127	11569	5471	6871	2694	2333	1534	1528	1770	1477	1124	1121
2087	431	1136	11576	5472	6875	2695	2334	1534	1528	1770	1477	1124	1121
2088	431	1144	11582	5473	6878	2697	2335	1534	1528	1771	1476	1124	1121
2089	431	1153	11589	5474	6881	2699	2336	1534	1528	1771	1476	1124	1121
2090	431	1161	11595	5475	6884	2700	2337	1535	1529	1772	1476	1123	1120
2091	431	1170	11601	5476	6887	2702	2338	1535	1529	1773	1476	1123	1120
2092	431	1180	11608	5477	6890	2703	2339	1535	1529	1773	1476	1123	1120
2093	431	1189	11614	5478	6893	2705	2339	1535	1529	1774	1476	1123	1120
2094	431	1197	11620	5479	6896	2707	2340	1536	1530	1774	1476	1123	1120
2095	431	1206	11626	5480	6899	2708	2341	1536	1530	1775	1476	1123	1120
2096	431	1214	11632	5482	6902	2710	2342	1536	1530	1776	1476	1122	1119
2097	431	1223	11637	5483	6905	2711	2343	1536	1530	1776	1476	1122	1119
2098	431	1231	11643	5484	6908	2713	2344	1537	1531	1777	1476	1122	1119
2099	431	1238	11649	5485	6911	2714	2345	1537	1531	1777	1476	1122	1119
2100	431	1246	11654	5486	6914	2716	2346	1537	1531	1778	1476	1122	1119
2101	431	1255	11660	5487	6917	2717	2346	1538	1531	1779	1476	1122	1119
2102	431	1263	11665	5488	6920	2718	2347	1538	1532	1779	1476	1122	1119
2103	431	1272	11670	5490	6922	2720	2348	1538	1532	1780	1476	1122	1119
2104	431	1280	11675	5491	6925	2721	2349	1538	1532	1780	1476	1122	1119
2105	431	1288	11681	5492	6928	2722	2350	1539	1532	1781	1476	1122	1119
2106	431	1296	11686	5493	6931	2724	2351	1539	1533	1781	1476	1122	1119
2107	431	1304	11691	5494	6933	2725	2351	1539	1533	1782	1476	1122	1119
2108	431	1311	11696	5496	6936	2726	2352	1540	1533	1783	1476	1122	1119
2109	431	1319	11701	5497	6938	2728	2353	1540	1534	1783	1477	1122	1119
2110	431	1326	11705	5498	6941	2729	2354	1540	1534	1784	1477	1122	1119
2111	431	1335	11710	5499	6944	2730	2355	1540	1534	1784	1477	1122	1119

B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 for all scenarios (Part 3/3)



B-2. Graphs of modelled total groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 for all scenarios

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	716.7	717	717	717	717	717	717	717	717	717	717	717	717
1930	716.7	717	717	717	717	717	717	717	717	717	717	717	717
1940	716.7	717	717	717	717	717	717	717	717	717	717	717	717
1950	716.7	717	717	717	717	717	717	717	717	717	717	717	717
1960	716.7	718	753	753	753	753	753	753	753	753	753	753	753
1965	716.7	719	756	756	756	756	756	756	756	756	756	756	756
1970	716.7	720	767	767	767	767	767	767	767	767	767	767	767
1975	716.7	722	1203	1203	1203	1203	1203	1203	1203	1203	1203	1203	1203
1977	716.7	723	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499
1980	716.7	724	1797	1797	1797	1797	1797	1797	1797	1797	1797	1797	1797
1985	716.7	728	2300	2300	2301	2301	2300	2300	2301	2301	2301	2300	2300
1988	716.7	729	2528	2528	2528	2528	2528	2528	2528	2528	2528	2528	2528
1989	716.7	729	2599	2599	2599	2599	2599	2599	2599	2599	2599	2599	2599
1990	716.7	730	2660	2651	2651	2651	2651	2651	2651	2651	2651	2651	2651
1991	716.7	732	2717	2680	2680	2680	2680	2680	2680	2680	2680	2680	2680
1992	716.7	733	2769	2697	2697	2697	2697	2697	2697	2697	2697	2697	2697
1993	716.7	734	2816	2722	2722	2722	2722	2722	2722	2722	2722	2722	2722
1993.5	716.7	734	2838	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729
1994	716.7	735	2860	2738	2738	2738	2738	2738	2738	2738	2738	2738	2738
1994.5	716.7	735	2888	2749	2749	2749	2749	2749	2749	2749	2749	2749	2749
1995	716.7	735	2910	2759	2759	2759	2759	2759	2759	2759	2759	2759	2759
1995.5	716.7	736	2932	2771	2771	2771	2771	2771	2771	2771	2771	2771	2771
1996	716.7	736	2953	2784	2784	2784	2784	2784	2784	2784	2784	2784	2784
1996.5	716.7	736	2974	2798	2799	2799	2799	2799	2799	2798	2798	2798	2798
1997	716.7	737	2996	2813	2813	2813	2813	2813	2813	2813	2813	2813	2813
1997.5	716.7	737	3018	2826	2826	2826	2826	2826	2826	2826	2826	2826	2826
1998	716.7	737	3040	2838	2838	2838	2838	2838	2838	2837	2837	2837	2837
1998.5	716.7	738	3061	2848	2849	2849	2849	2849	2849	2848	2848	2848	2848
1999	716.7	738	3082	2857	2859	2858	2858	2858	2858	2857	2857	2857	2857
1999.5	716.7	738	3101	2859	2861	2860	2860	2860	2860	2858	2858	2858	2858
2000	716.7	739	3120	2861	2864	2864	2864	2864	2864	2861	2861	2861	2861
2000.5	716.7	740	3138	2813	2816	2815	2815	2815	2815	2812	2812	2812	2812
2001	716.7	741	3155	2782	2785	2785	2785	2785	2785	2781	2781	2781	2781
2001.5	716.7	742	3171	2755	2760	2759	2629	2629	2629	2755	2625	2625	2625
2002	716.7	743	3187	2733	2738	2737	2519	2519	2519	2732	2514	2514	2514
2002.5	716.7	743	3202	2713	2719	2719	2440	2440	2440	2713	2435	2435	2435
2003	716.7	744	3217	2697	2704	2703	2377	2377	2377	2696	2371	2371	2371
2003.5	716.7	745	3230	2682	2691	2690	2326	2326	2326	2682	2319	2319	2319
2004	716.7	745	3244	2669	2681	2680	2283	2283	2283	2669	2274	2274	2274
2004.5	716.7	746	3256	2658	2674	2673	2249	2249	2249	2658	2236	2236	2236
2005	716.7	746	3269	2649	2671	2670	2220	2220	2220	2648	2202	2202	2202
2005.5	716.7	747	3280	2640	2685	2684	2211	2210	2210	2639	2173	2173	2173
2006	716.7	747	3292	2632	2700	2699	2203	2202	2202	2631	2146	2145	2145
2006.5	716.7	748	3302	2625	2716	2714	2199	2197	2197	2624	2122	2121	2121
2007	716.7	748	3313	2619	2732	2730	2196	2193	2193	2617	2100	2098	2098
2007.5	716.7	749	3323	2613	2752	2750	2197	2194	2194	2611	2081	2078	2078
2008	716.7	749	3333	2608	2777	2775	2205	2201	2201	2606	2062	2058	2058
2008.5	716.7	749	3342	2596	2795	2793	2206	2200	2200	2595	2039	2033	2033
2009	716.7	750	3351	2587	2813	2811	2208	2201	2201	2585	2018	2011	2011
2009.5	716.7	750	3360	2580	2830	2828	2211	2202	1706	2578	2000	1991	1538
2010	716.7	751	3369	2573	2847	2845	2214	2203	1461	2571	1983	1973	1297

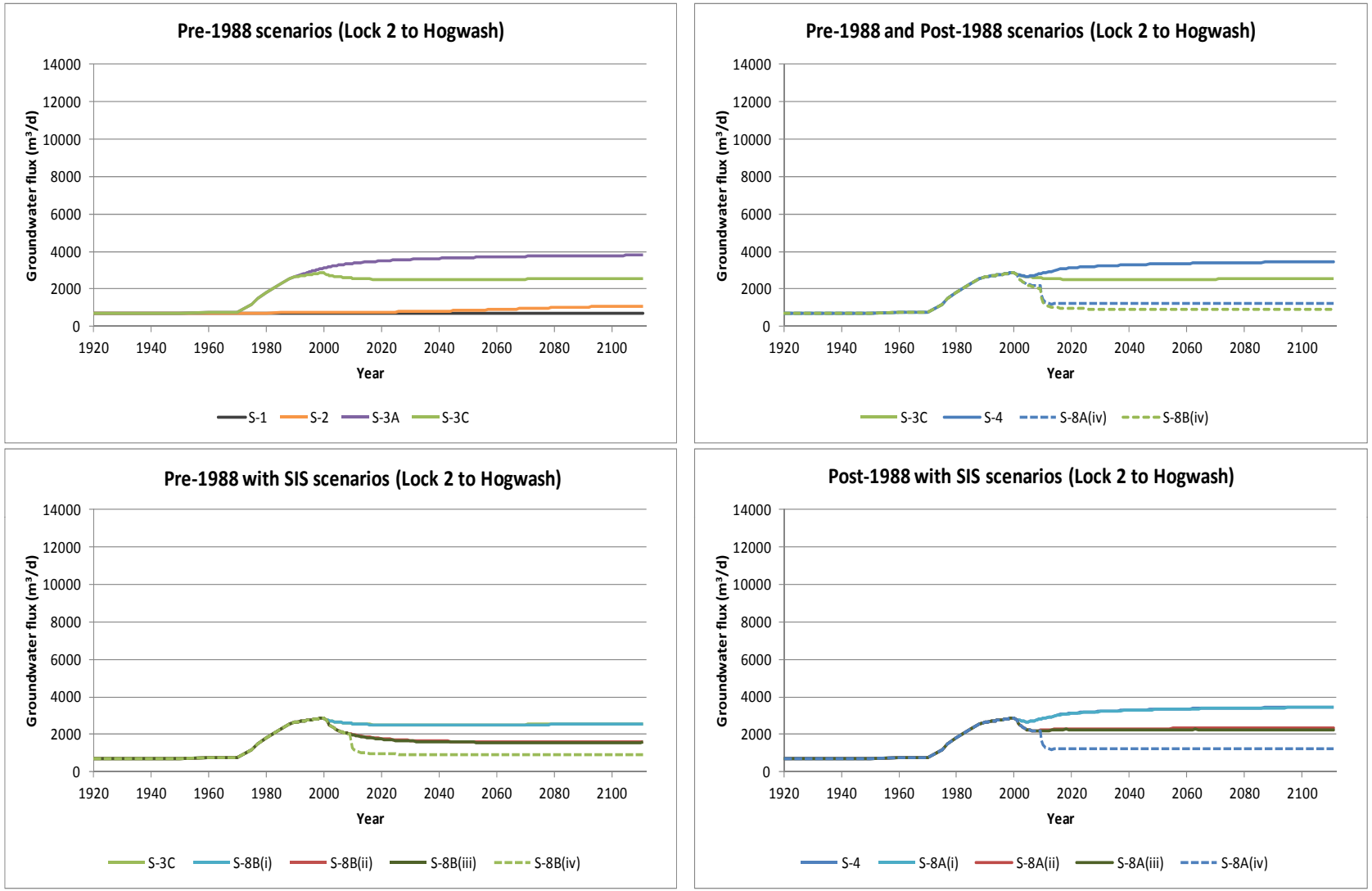
B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash for all scenarios (Part 1/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2010.5	716.7	753	3377	2568	2864	2862	2217	2204	1341	2566	1968	1956	1184
2011	716.7	754	3385	2563	2880	2877	2220	2205	1276	2561	1953	1940	1127
2012	716.7	756	3400	2554	2909	2907	2225	2206	1217	2552	1927	1910	1070
2013	716.7	758	3414	2546	2936	2933	2230	2207	1192	2544	1903	1883	1039
2014	716.7	759	3428	2539	2992	2989	2265	2239	1212	2536	1881	1858	1018
2015	716.7	761	3441	2532	3027	3024	2282	2252	1218	2529	1860	1834	1002
2016	716.7	762	3453	2525	3053	3050	2290	2258	1220	2522	1840	1811	990
2017	716.7	764	3464	2518	3075	3071	2295	2260	1220	2515	1821	1790	980
2018	716.7	765	3475	2513	3093	3089	2297	2260	1220	2509	1804	1771	972
2019	716.7	766	3486	2507	3109	3105	2299	2259	1220	2504	1788	1754	965
2020	716.7	767	3496	2503	3123	3119	2299	2258	1220	2499	1773	1737	959
2021	716.7	771	3505	2498	3136	3132	2299	2256	1220	2495	1759	1722	954
2022	716.7	774	3514	2495	3148	3144	2299	2254	1220	2491	1746	1709	949
2023	716.7	776	3523	2492	3160	3155	2299	2253	1220	2488	1735	1696	945
2024	716.7	778	3532	2489	3170	3166	2299	2251	1220	2485	1724	1684	942
2025	716.7	779	3540	2487	3180	3176	2299	2250	1220	2482	1714	1674	939
2026	716.7	781	3547	2485	3189	3185	2298	2248	1220	2480	1705	1664	936
2027	716.7	783	3555	2483	3198	3194	2298	2247	1220	2479	1697	1656	933
2028	716.7	784	3562	2482	3207	3202	2298	2246	1220	2478	1689	1648	931
2029	716.7	786	3569	2481	3215	3210	2298	2245	1220	2477	1682	1640	929
2030	716.7	787	3576	2481	3223	3218	2298	2244	1220	2476	1675	1634	927
2031	716.7	792	3583	2481	3230	3225	2298	2243	1220	2475	1670	1627	925
2032	716.7	795	3589	2480	3237	3232	2298	2243	1220	2475	1664	1622	924
2033	716.7	797	3596	2480	3244	3239	2298	2242	1221	2475	1659	1617	922
2034	716.7	800	3602	2481	3251	3245	2298	2242	1221	2475	1655	1612	921
2035	716.7	802	3607	2481	3257	3252	2299	2242	1221	2476	1651	1608	920
2036	716.7	805	3613	2482	3263	3258	2299	2241	1221	2476	1647	1604	919
2037	716.7	807	3619	2482	3269	3263	2300	2241	1222	2477	1643	1600	918
2038	716.7	810	3624	2483	3275	3269	2300	2241	1222	2477	1640	1597	917
2039	716.7	812	3629	2484	3281	3275	2301	2241	1222	2478	1637	1593	916
2040	716.7	814	3634	2485	3286	3280	2301	2242	1222	2479	1634	1591	916
2041	716.7	819	3639	2486	3291	3285	2302	2242	1223	2480	1632	1588	915
2042	716.7	823	3644	2487	3297	3290	2303	2242	1223	2481	1629	1586	915
2043	716.7	827	3649	2488	3301	3295	2303	2242	1223	2482	1627	1584	914
2044	716.7	830	3654	2489	3306	3300	2304	2243	1224	2483	1625	1582	914
2045	716.7	834	3658	2491	3311	3304	2305	2243	1224	2484	1623	1580	913
2046	716.7	837	3663	2492	3315	3309	2306	2244	1224	2486	1622	1579	913
2047	716.7	841	3667	2493	3320	3313	2306	2244	1225	2487	1620	1578	913
2048	716.7	845	3671	2495	3324	3317	2307	2245	1225	2488	1619	1577	912
2049	716.7	848	3675	2496	3328	3321	2308	2245	1225	2489	1618	1576	912
2050	716.7	852	3679	2497	3332	3325	2309	2246	1226	2491	1616	1575	912
2051	716.7	858	3683	2499	3336	3329	2310	2246	1226	2492	1615	1574	912
2052	716.7	863	3686	2500	3340	3333	2311	2247	1226	2493	1614	1573	912
2053	716.7	868	3690	2501	3343	3336	2312	2247	1227	2495	1613	1573	911
2054	716.7	872	3694	2503	3347	3340	2312	2248	1227	2496	1613	1572	911
2055	716.7	877	3697	2504	3351	3343	2313	2249	1227	2497	1612	1572	911
2056	716.7	881	3701	2506	3354	3346	2314	2249	1228	2499	1611	1571	911
2057	716.7	886	3704	2507	3357	3350	2315	2250	1228	2500	1611	1571	911
2058	716.7	890	3707	2508	3360	3353	2316	2251	1228	2501	1610	1570	911
2059	716.7	894	3710	2510	3363	3356	2317	2251	1229	2503	1610	1570	911
2060	716.7	899	3713	2511	3367	3359	2318	2252	1229	2504	1609	1570	910

B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash for all scenarios (Part 2/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2061	716.7	904	3716	2512	3369	3361	2319	2258	1229	2505	1608	1570	910
2062	716.7	910	3719	2514	3372	3364	2320	2260	1229	2507	1608	1570	910
2063	716.7	915	3722	2515	3375	3367	2320	2260	1230	2508	1608	1569	910
2064	716.7	920	3725	2516	3378	3370	2321	2259	1230	2509	1607	1569	910
2065	716.7	925	3727	2517	3380	3372	2322	2258	1230	2510	1607	1569	910
2066	716.7	931	3730	2519	3383	3375	2323	2256	1231	2511	1607	1569	910
2067	716.7	935	3732	2520	3385	3377	2324	2254	1231	2513	1607	1569	910
2068	716.7	940	3735	2521	3388	3379	2325	2253	1231	2514	1607	1569	910
2069	716.7	945	3737	2522	3390	3382	2325	2251	1231	2515	1606	1569	910
2070	716.7	949	3740	2523	3392	3384	2326	2250	1232	2516	1606	1569	910
2071	716.7	954	3742	2525	3395	3386	2327	2248	1232	2517	1606	1569	910
2072	716.7	959	3744	2526	3397	3388	2328	2247	1232	2518	1606	1569	910
2073	716.7	964	3746	2527	3399	3390	2329	2246	1232	2519	1606	1569	910
2074	716.7	969	3749	2528	3401	3392	2329	2245	1233	2520	1606	1569	910
2075	716.7	974	3751	2529	3403	3394	2330	2244	1233	2521	1606	1569	910
2076	716.7	978	3753	2530	3405	3396	2331	2243	1233	2522	1606	1569	910
2077	716.7	983	3755	2531	3407	3398	2332	2243	1233	2523	1606	1569	910
2078	716.7	987	3757	2532	3409	3400	2332	2242	1234	2524	1606	1569	910
2079	716.7	991	3758	2533	3410	3401	2333	2242	1234	2525	1606	1569	910
2080	716.7	995	3760	2534	3412	3403	2334	2242	1234	2526	1606	1569	910
2081	716.7	999	3762	2535	3414	3405	2334	2241	1234	2527	1606	1569	910
2082	716.7	1004	3764	2536	3416	3406	2335	2241	1234	2528	1606	1569	910
2083	716.7	1008	3765	2537	3417	3408	2336	2241	1235	2529	1606	1569	910
2084	716.7	1012	3767	2538	3419	3409	2336	2241	1235	2530	1606	1570	910
2085	716.7	1016	3769	2538	3420	3411	2337	2242	1235	2530	1606	1570	910
2086	716.7	1020	3770	2539	3422	3412	2337	2242	1235	2531	1606	1570	910
2087	716.7	1024	3772	2540	3423	3414	2338	2242	1235	2532	1606	1570	910
2088	716.7	1027	3773	2541	3425	3415	2339	2242	1236	2533	1606	1570	910
2089	716.7	1031	3775	2542	3426	3416	2339	2243	1236	2534	1606	1570	910
2090	716.7	1034	3776	2543	3427	3418	2340	2243	1236	2534	1607	1570	910
2091	716.7	1038	3778	2543	3429	3419	2340	2244	1236	2535	1607	1570	910
2092	716.7	1042	3779	2544	3430	3420	2341	2244	1236	2536	1607	1570	910
2093	716.7	1045	3780	2545	3431	3421	2341	2245	1236	2536	1607	1571	910
2094	716.7	1049	3781	2545	3432	3423	2342	2245	1237	2537	1607	1571	910
2095	716.7	1052	3783	2546	3433	3424	2342	2246	1237	2538	1607	1571	910
2096	716.7	1056	3784	2547	3435	3425	2343	2246	1237	2539	1607	1571	910
2097	716.7	1059	3785	2547	3436	3426	2343	2247	1237	2539	1607	1571	910
2098	716.7	1062	3786	2548	3437	3427	2344	2247	1237	2540	1607	1571	910
2099	716.7	1065	3787	2549	3438	3428	2344	2248	1237	2540	1607	1571	910
2100	716.7	1068	3789	2549	3439	3429	2345	2249	1238	2541	1608	1571	910
2101	716.7	1070	3790	2550	3440	3430	2345	2249	1238	2542	1608	1571	910
2102	716.7	1073	3791	2551	3441	3431	2346	2250	1238	2542	1608	1572	910
2103	716.7	1076	3792	2551	3442	3432	2346	2251	1238	2543	1608	1572	910
2104	716.7	1079	3793	2552	3443	3433	2347	2251	1238	2543	1608	1572	910
2105	716.7	1082	3794	2552	3444	3434	2347	2252	1238	2544	1608	1572	910
2106	716.7	1085	3795	2553	3444	3434	2348	2253	1238	2544	1608	1572	910
2107	716.7	1087	3796	2553	3445	3435	2348	2253	1238	2545	1608	1572	910
2108	716.7	1090	3797	2554	3446	3436	2348	2254	1239	2545	1608	1572	910
2109	716.7	1092	3797	2554	3447	3437	2349	2255	1239	2546	1608	1572	910
2110	716.7	1094	3798	2555	3448	3438	2349	2255	1239	2546	1609	1573	910
2111	716.7	1097	3799	2555	3449	3438	2349	2256	1239	2547	1609	1573	910

B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash for all scenarios (Part 3/3)



B-2. Graphs of modelled total groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash for all scenarios

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	405.2	405	405	405	405	405	405	405	405	405	405	405	405
1930	405.2	405	3928	3928	3928	3928	3928	3928	3928	3928	3928	3928	3928
1940	405.2	405	3877	3877	3877	3877	3877	3877	3877	3877	3877	3877	3877
1950	405.2	405	3887	3887	3887	3887	3887	3887	3887	3887	3887	3887	3887
1960	405.2	406	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
1965	405.2	407	3936	3936	3936	3936	3936	3936	3936	3936	3936	3936	3936
1970	405.2	407	3637	3637	3637	3637	3637	3637	3637	3637	3637	3637	3637
1975	405.2	408	3882	3882	3882	3882	3882	3882	3882	3882	3882	3882	3882
1977	405.2	408	3938	3938	3938	3938	3938	3938	3938	3938	3938	3938	3938
1980	405.2	408	4007	4007	4007	4007	4007	4007	4007	4007	4007	4007	4007
1985	405.2	409	4072	4072	4072	4072	4072	4072	4072	4072	4072	4072	4072
1988	405.2	409	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099	4099
1989	405.2	409	4106	4106	4106	4106	4106	4106	4106	4106	4106	4106	4106
1990	405.2	409	4113	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
1991	405.2	409	4120	4108	4108	4108	4108	4108	4108	4108	4108	4108	4108
1992	405.2	409	4126	3893	3893	3893	3893	3893	3893	3893	3893	3893	3893
1993	405.2	409	4131	3808	3808	3808	3808	3808	3808	3808	3808	3808	3808
1993.5	405.2	410	4134	3637	3637	3637	3637	3637	3637	3637	3637	3637	3637
1994	405.2	410	4136	3541	3541	3541	3541	3541	3541	3541	3541	3541	3541
1994.5	405.2	410	4139	3331	3331	3331	3331	3331	3331	3331	3331	3331	3331
1995	405.2	410	4141	3205	3205	3205	3205	3205	3205	3205	3205	3205	3205
1995.5	405.2	410	4143	3114	3324	3324	3324	3324	3324	3114	3114	3114	3114
1996	405.2	410	4146	3041	3360	3360	3360	3360	3360	3041	3041	3041	3041
1996.5	405.2	410	4148	2982	3368	3368	3368	3368	3368	2982	2982	2982	2982
1997	405.2	410	4150	2933	3365	3365	3365	3365	3365	2933	2933	2933	2933
1997.5	405.2	410	4153	2891	3423	3423	3423	3423	3423	2891	2891	2891	2891
1998	405.2	410	4155	2856	3455	3455	3455	3455	3455	2856	2856	2856	2856
1998.5	405.2	410	4157	2825	3472	3472	3472	3472	3472	2825	2825	2825	2825
1999	405.2	410	4160	2799	3481	3481	3481	3481	3481	2799	2799	2799	2799
1999.5	405.2	410	4162	2634	3316	3316	3316	3316	3316	2634	2634	2634	2634
2000	405.2	410	4164	2541	3254	3254	3254	3254	3254	2541	2541	2541	2541
2000.5	405.2	410	4166	2332	2996	2996	2996	2996	2996	2332	2332	2332	2332
2001	405.2	410	4168	2205	2851	2851	2851	2851	2851	2205	2205	2205	2205
2001.5	405.2	411	4170	2113	2796	2796	2795	2795	2795	2113	2113	2113	2113
2002	405.2	411	4172	2039	2732	2732	2729	2729	2729	2039	2037	2037	2037
2002.5	405.2	411	4174	1978	2676	2676	2672	2672	2672	1978	1974	1974	1974
2003	405.2	411	4175	1926	2628	2628	2621	2621	2621	1926	1920	1920	1920
2003.5	405.2	411	4177	1882	2666	2666	2657	2657	2657	1882	1874	1874	1874
2004	405.2	411	4179	1844	2682	2682	2671	2671	2671	1844	1834	1834	1834
2004.5	405.2	411	4180	1811	2717	2717	2704	2704	2704	1811	1799	1799	1799
2005	405.2	411	4182	1781	2728	2728	2714	2714	2714	1781	1769	1769	1769
2005.5	405.2	411	4183	1756	2745	2745	2729	2729	2729	1756	1742	1742	1742
2006	405.2	411	4185	1733	2754	2754	2737	2737	2737	1733	1719	1719	1719
2006.5	405.2	411	4186	1713	2758	2758	2740	2740	2740	1713	1698	1698	1698
2007	405.2	412	4187	1696	2761	2761	2742	2742	2742	1696	1679	1679	1679
2007.5	405.2	412	4189	1680	2765	2765	2744	2744	2744	1680	1663	1663	1663
2008	405.2	412	4190	1666	2772	2772	2750	2750	2750	1666	1648	1648	1648
2008.5	405.2	412	4191	1524	2503	2503	2480	2480	2480	1524	1505	1505	1505
2009	405.2	412	4192	1445	2362	2362	2338	2338	2338	1445	1426	1426	1426
2009.5	405.2	412	4193	1390	2283	2283	2258	2258	2242	1390	1370	1370	1357
2010	405.2	412	4195	1346	2219	2219	2193	2193	2159	1346	1325	1325	1301

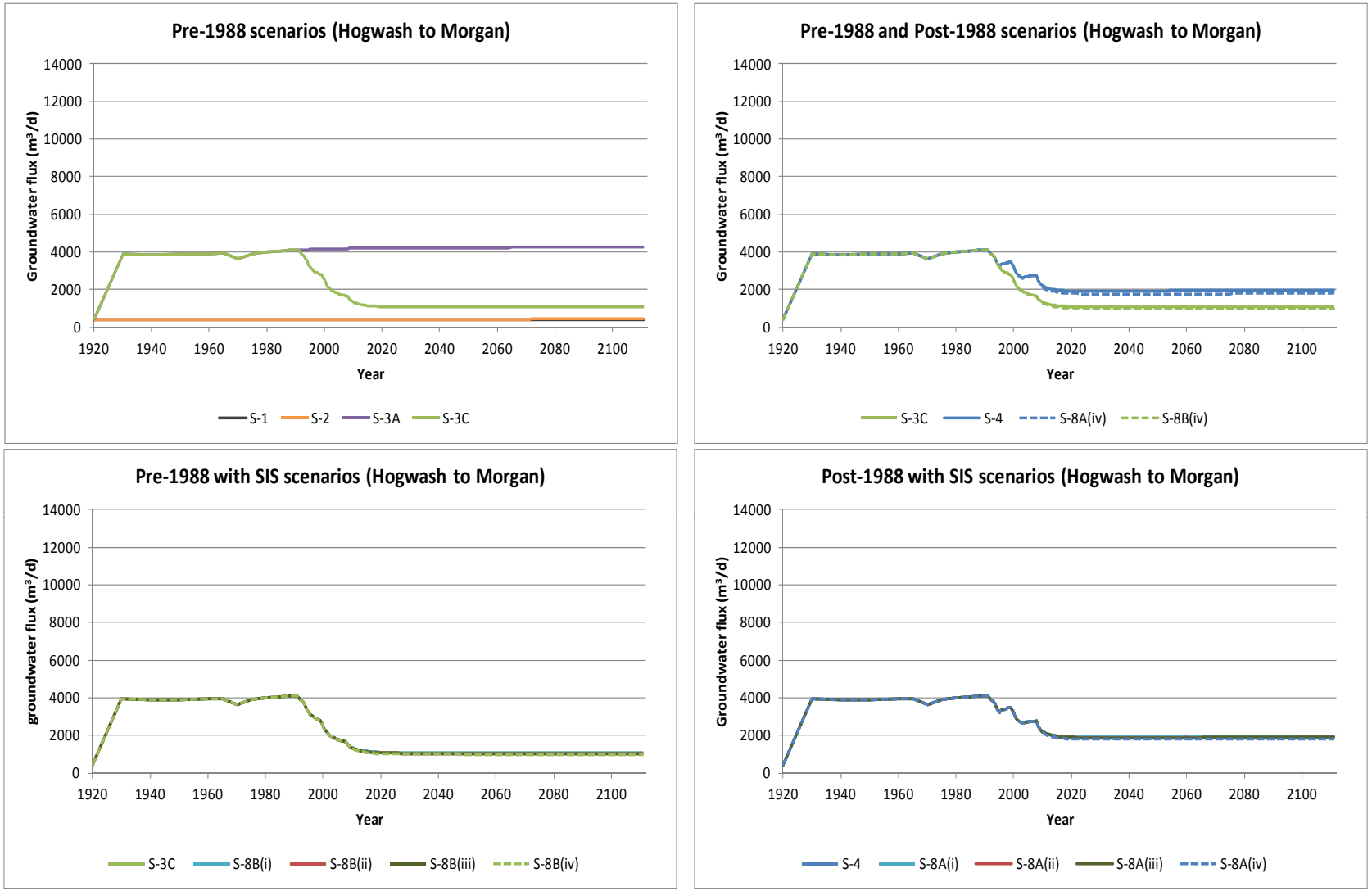
B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan for all scenarios (Part 1/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2010.5	405.2	412	4196	1311	2170	2170	2143	2143	2096	1311	1290	1290	1259
2011	405.2	412	4197	1281	2130	2130	2101	2101	2047	1281	1260	1260	1226
2012	405.2	412	4199	1235	2071	2071	2041	2041	1977	1235	1213	1213	1175
2013	405.2	413	4200	1200	2029	2029	1997	1996	1928	1200	1178	1178	1138
2014	405.2	413	4202	1174	2003	2003	1969	1968	1896	1174	1150	1150	1110
2015	405.2	413	4204	1153	1982	1982	1946	1946	1870	1153	1129	1129	1088
2016	405.2	413	4206	1137	1965	1965	1928	1927	1850	1137	1112	1112	1071
2017	405.2	413	4207	1124	1953	1952	1913	1913	1833	1124	1098	1098	1057
2018	405.2	414	4209	1114	1943	1943	1902	1902	1821	1114	1087	1087	1046
2019	405.2	414	4210	1106	1936	1936	1894	1894	1811	1106	1078	1078	1037
2020	405.2	414	4211	1099	1931	1931	1887	1887	1803	1099	1071	1071	1029
2021	405.2	414	4213	1094	1927	1927	1882	1882	1797	1094	1065	1065	1024
2022	405.2	414	4214	1090	1925	1925	1878	1878	1792	1090	1061	1061	1019
2023	405.2	415	4215	1086	1923	1923	1875	1875	1789	1086	1057	1057	1015
2024	405.2	415	4216	1084	1922	1922	1873	1873	1786	1084	1054	1053	1012
2025	405.2	416	4217	1082	1922	1922	1872	1871	1784	1082	1051	1051	1009
2026	405.2	416	4218	1080	1922	1922	1871	1870	1782	1080	1049	1048	1007
2027	405.2	416	4219	1079	1922	1922	1870	1869	1781	1079	1047	1046	1005
2028	405.2	416	4220	1078	1923	1923	1870	1869	1781	1077	1045	1045	1004
2029	405.2	416	4221	1077	1924	1924	1869	1869	1780	1077	1044	1043	1003
2030	405.2	417	4222	1076	1925	1925	1869	1869	1780	1076	1043	1042	1001
2031	405.2	417	4223	1075	1926	1926	1870	1869	1780	1075	1042	1041	1000
2032	405.2	418	4224	1075	1927	1927	1870	1869	1779	1075	1041	1040	1000
2033	405.2	418	4225	1075	1928	1928	1870	1869	1780	1075	1040	1040	999
2034	405.2	419	4226	1074	1929	1929	1870	1869	1780	1074	1039	1039	998
2035	405.2	419	4226	1074	1930	1930	1871	1870	1780	1074	1039	1038	998
2036	405.2	419	4227	1074	1931	1931	1871	1870	1780	1074	1038	1038	997
2037	405.2	420	4228	1074	1932	1932	1872	1871	1780	1074	1038	1037	997
2038	405.2	420	4229	1074	1934	1933	1872	1871	1781	1074	1037	1037	997
2039	405.2	420	4229	1074	1935	1935	1873	1871	1781	1074	1037	1036	996
2040	405.2	420	4230	1074	1936	1936	1873	1872	1781	1074	1037	1036	996
2041	405.2	421	4231	1074	1937	1937	1874	1872	1782	1074	1036	1036	996
2042	405.2	421	4232	1074	1938	1938	1874	1873	1782	1074	1036	1036	996
2043	405.2	422	4232	1074	1939	1939	1875	1873	1782	1074	1036	1035	995
2044	405.2	422	4233	1074	1940	1940	1875	1874	1783	1074	1036	1035	995
2045	405.2	422	4233	1074	1941	1941	1876	1874	1783	1074	1036	1035	995
2046	405.2	423	4234	1074	1942	1942	1876	1874	1783	1074	1035	1035	995
2047	405.2	423	4235	1074	1943	1942	1876	1875	1784	1074	1035	1035	995
2048	405.2	423	4235	1075	1944	1943	1877	1875	1784	1074	1035	1034	995
2049	405.2	423	4236	1075	1944	1944	1877	1876	1784	1075	1035	1034	995
2050	405.2	424	4236	1075	1945	1945	1878	1876	1785	1075	1035	1034	994
2051	405.2	424	4237	1075	1946	1946	1878	1877	1785	1075	1035	1034	994
2052	405.2	425	4237	1075	1947	1947	1879	1877	1785	1075	1035	1034	994
2053	405.2	425	4238	1075	1948	1947	1879	1877	1786	1075	1035	1034	994
2054	405.2	426	4238	1075	1948	1948	1879	1878	1786	1075	1035	1034	994
2055	405.2	426	4239	1075	1949	1949	1880	1878	1786	1075	1035	1034	994
2056	405.2	427	4239	1076	1950	1949	1880	1878	1787	1075	1034	1034	994
2057	405.2	427	4240	1076	1950	1950	1881	1879	1787	1076	1034	1034	994
2058	405.2	427	4240	1076	1951	1951	1881	1879	1787	1076	1034	1034	994
2059	405.2	428	4241	1076	1952	1951	1881	1879	1787	1076	1034	1034	994
2060	405.2	428	4241	1076	1952	1952	1882	1880	1788	1076	1034	1034	994

B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan for all scenarios (Part 2/3)

Time	S-1	S-2	S-3A	S-3C	S-4	S-8A(i)	S-8A(ii)	S-8A(iii)	S-8A(iv)	S-8B(i)	S-8B(ii)	S-8B(iii)	S-8B(iv)
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2061	405.2	429	4242	1076	1953	1953	1878	1880	1788	1076	1034	1033	994
2062	405.2	430	4242	1076	1954	1954	1875	1880	1788	1076	1034	1033	994
2063	405.2	430	4243	1077	1954	1954	1873	1881	1788	1076	1034	1033	994
2064	405.2	431	4243	1077	1955	1955	1872	1881	1789	1076	1034	1033	994
2065	405.2	431	4243	1077	1955	1955	1871	1881	1789	1077	1034	1033	994
2066	405.2	432	4244	1077	1956	1956	1870	1882	1789	1077	1034	1033	994
2067	405.2	432	4244	1077	1956	1957	1870	1882	1789	1077	1034	1033	994
2068	405.2	433	4245	1077	1957	1957	1869	1882	1790	1077	1034	1033	994
2069	405.2	433	4245	1077	1957	1957	1869	1882	1790	1077	1034	1033	994
2070	405.2	433	4245	1077	1958	1958	1870	1883	1790	1077	1034	1033	994
2071	405.2	435	4246	1078	1958	1958	1870	1883	1790	1077	1034	1033	994
2072	405.2	435	4246	1078	1959	1959	1870	1883	1791	1077	1034	1033	994
2073	405.2	436	4246	1078	1959	1959	1870	1884	1791	1078	1034	1034	994
2074	405.2	437	4247	1078	1960	1960	1871	1884	1791	1078	1034	1034	994
2075	405.2	437	4247	1078	1960	1960	1871	1884	1791	1078	1034	1034	994
2076	405.2	438	4247	1078	1961	1961	1872	1884	1791	1078	1034	1034	994
2077	405.2	438	4248	1078	1961	1961	1872	1885	1792	1078	1034	1034	994
2078	405.2	438	4248	1078	1961	1961	1873	1885	1792	1078	1034	1034	994
2079	405.2	439	4248	1079	1962	1962	1873	1885	1792	1078	1034	1034	994
2080	405.2	439	4249	1079	1962	1962	1874	1885	1792	1078	1034	1034	994
2081	405.2	440	4249	1079	1962	1962	1874	1885	1792	1078	1034	1034	994
2082	405.2	441	4249	1079	1963	1963	1875	1886	1793	1079	1034	1034	994
2083	405.2	442	4249	1079	1963	1963	1875	1886	1793	1079	1034	1034	994
2084	405.2	442	4250	1079	1964	1963	1876	1886	1793	1079	1034	1034	994
2085	405.2	442	4250	1079	1964	1964	1876	1886	1793	1079	1034	1034	994
2086	405.2	443	4250	1079	1964	1964	1876	1887	1793	1079	1034	1034	994
2087	405.2	443	4250	1079	1965	1964	1877	1887	1793	1079	1035	1034	994
2088	405.2	444	4251	1079	1965	1965	1877	1887	1794	1079	1035	1034	994
2089	405.2	444	4251	1080	1965	1965	1878	1887	1794	1079	1035	1034	994
2090	405.2	444	4251	1080	1965	1965	1878	1887	1794	1079	1035	1034	994
2091	405.2	445	4251	1080	1966	1966	1879	1888	1794	1079	1035	1034	994
2092	405.2	446	4252	1080	1966	1966	1879	1888	1794	1079	1035	1034	994
2093	405.2	447	4252	1080	1966	1966	1879	1888	1794	1080	1035	1034	994
2094	405.2	447	4252	1080	1967	1966	1880	1888	1794	1080	1035	1034	994
2095	405.2	448	4252	1080	1967	1967	1880	1888	1795	1080	1035	1034	994
2096	405.2	448	4252	1080	1967	1967	1881	1888	1795	1080	1035	1034	994
2097	405.2	448	4253	1080	1967	1967	1881	1889	1795	1080	1035	1034	994
2098	405.2	449	4253	1080	1968	1967	1881	1889	1795	1080	1035	1034	994
2099	405.2	449	4253	1080	1968	1968	1882	1889	1795	1080	1035	1034	994
2100	405.2	449	4253	1080	1968	1968	1882	1889	1795	1080	1035	1034	994
2101	405.2	450	4253	1081	1968	1968	1882	1889	1795	1080	1035	1034	994
2102	405.2	451	4254	1081	1969	1968	1883	1889	1796	1080	1035	1034	994
2103	405.2	452	4254	1081	1969	1969	1883	1890	1796	1080	1035	1034	994
2104	405.2	452	4254	1081	1969	1969	1883	1890	1796	1080	1035	1034	994
2105	405.2	452	4254	1081	1969	1969	1884	1890	1796	1080	1035	1034	994
2106	405.2	453	4254	1081	1970	1969	1884	1890	1796	1081	1035	1034	994
2107	405.2	453	4255	1081	1970	1969	1884	1890	1796	1081	1035	1034	994
2108	405.2	454	4255	1081	1970	1970	1885	1890	1796	1081	1035	1034	994
2109	405.2	454	4255	1081	1970	1970	1885	1890	1796	1081	1035	1034	994
2110	405.2	454	4255	1081	1970	1970	1885	1891	1797	1081	1035	1035	994
2111	405.2	455	4255	1081	1971	1970	1885	1891	1797	1081	1035	1035	994

B-2. Modelled total groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan for all scenarios (Part 3/3)



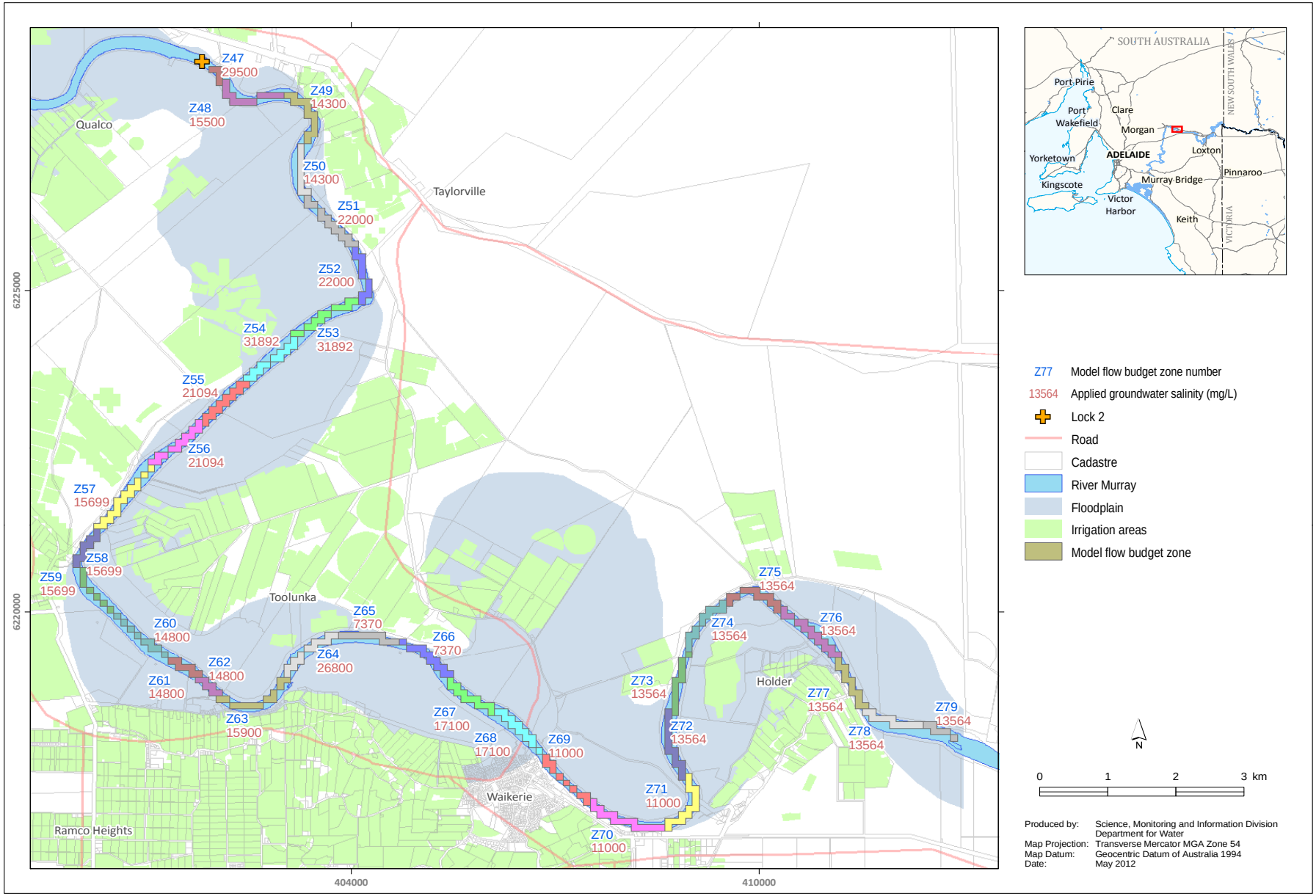
B-2. Graphs of modelled total groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan for all scenarios

B-3 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN HOLDER TO LOCK 2

- Model scenario conditions
- Flow budget zones
- Modelled groundwater flux entering the River Murray for the historical model and all scenarios
- Modelled salt load entering the River Murray for the historical model and all scenarios

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3C	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8A(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8A(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8A(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8A(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8B(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8B(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8B(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8B(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
IIP = Improved irrigation practices		*RH = Rehabilitation of irrigation distribution networks*		*SIS = Salt interception scheme*	
CY = Current year		*CY100 = 100 years from the current year*			

B-3. Model scenario conditions



B-3. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Holder to Lock 2 area

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	7672	1920	1921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7672	8037	1921	1922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
8037	8402	1922	1923	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
8402	8767	1923	1924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
8767	9133	1924	1925	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
9133	9498	1925	1926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
9498	9863	1926	1927	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
9863	10228	1927	1928	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10228	10594	1928	1929	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10594	10959	1929	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	11324	1930	1931	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	101	479	33	1	13	157	122	167	363	109	2	103	96	82	101	75	96	46	2167
11324	11689	1931	1932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	148	683	101	55	120	427	365	383	581	204	50	133	112	93	118	81	100	46	3859
11689	12055	1932	1933	0	0	0	0	0	0	0	0	0	0	0	0	0	5	81	177	795	142	105	182	600	537	539	732	275	98	152	120	98	126	86	104	46	4999
12055	12420	1933	1934	0	0	0	0	0	0	0	0	0	0	0	0	0	12	95	196	868	172	134	226	697	637	636	834	329	133	165	127	101	131	89	107	46	5737
12420	12785	1934	1935	0	0	0	0	0	0	0	0	0	0	0	0	0	17	105	209	919	194	156	260	765	705	699	906	370	158	175	132	104	136	92	111	47	6259
12785	13150	1935	1936	0	0	0	0	0	0	0	0	0	0	0	0	0	22	112	219	962	214	174	287	820	758	747	959	402	177	183	136	106	139	95	115	47	6675
13150	13516	1936	1937	0	0	0	0	0	0	0	0	0	0	0	0	0	27	118	229	1002	232	189	310	868	804	787	1001	429	192	190	140	108	142	97	118	47	7030
13516	13881	1937	1938	0	0	0	0	0	0	0	0	0	0	0	0	0	32	123	237	1039	248	203	331	910	843	821	1037	452	205	195	143	110	145	99	121	47	7342
13881	14246	1938	1939	0	0	0	0	0	0	0	0	0	0	0	0	0	36	128	244	1073	262	216	349	948	879	852	1069	471	216	200	146	112	147	101	123	48	7620
14246	14611	1939	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	39	132	251	1104	275	227	366	983	912	880	1097	489	226	204	148	113	149	103	126	48	7871
14611	14977	1940	1941	0	0	0	0	0	0	0	0	0	0	0	0	0	36	126	242	1079	274	229	370	989	925	884	1082	492	229	191	139	111	148	104	127	48	7824
14977	15342	1941	1942	0	0	0	0	0	0	0	0	0	0	0	0	0	36	125	243	1088	277	232	376	1001	937	893	1087	497	231	192	139	111	148	104	129	48	7892
15342	15707	1942	1943	0	0	0	0	0	0	0	0	0	0	0	0	0	37	127	245	1101	282	235	382	1014	950	904	1098	504	235	193	140	111	148	105	130	48	7987
15707	16072	1943	1944	0	0	0	0	0	0	0	0	0	0	0	0	0	38	129	249	1114	287	239	388	1027	962	915	1109	511	239	195	141	112	149	106	131	48	8089
16072	16438	1944	1945	0	0	0	0	0	0	0	0	0	0	0	0	0	40	131	252	1128	292	243	394	1040	975	926	1121	518	242	196	142	112	150	106	132	48	8191
16438	16803	1945	1946	0	0	0	0	0	0	0	0	0	0	0	0	0	42	134	256	1142	297	247	400	1052	986	937	1133	525	246	198	143	113	151	107	133	48	8291
16803	17168	1946	1947	0	0	0	0	0	0	0	0	0	0	0	0	0	44	136	259	1155	302	251	406	1064	998	948	1144	532	250	199	144	114	151	107	134	49	8387
17168	17533	1947	1948	0	0	0	0	0	0	0	0	0	0	0	0	0	46	138	263	1168	306	255	411	1075	1009	958	1155	539	253	201	145	114	152	108	135	49	8479
17533	17899	1948	1949	0	0	0	0	0	0	0	0	0	0	0	0	0	48	141	266	1180	311	258	416	1086	1020	968	1166	545	257	202	145	115	153	109	135	49	8568
17899	18264	1949	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	50	143	269	1192	315	261	421	1096	1030	977	1176	551	260	203	146	115	153	109	136	49	8653
18264	18629	1950	1951	0	0	0	0	0	0	0	0	0	0	0	0	0	45	135	257	1151	315	329	487	1104	1036	968	1146	545	263	214	150	149	160	110	137	49	8749
18629	18994	1951	1952	0	0	0	0	0	0	0	0	0	0	0	0	0	44	133	255	1146	322	349	518	1119	1049	968	1139	542	267	220	159	161	167	110	137	49	8852
18994	19360	1952	1953	0	0	0	0	0	0	0	0	0	0	0	0	0	44	133	256	1145	327	359	535	1128	1057	969	1137	542	270	226	167	168	171	111	138	49	8933
19360	19725	1953	1954	0	0	0	0	0	0	0	0	0	0	0	0	0	45	134	257	1146	331	366	546	1134	1063	970	1137	543	274	230	174	173	175	112	139	49	8998
19725	20090	1954	1955	0	0	0	0	0	0	0	0	0	0	0	0	0	46	136	259	1149	335	371	554	1138	1068	971	1138	545	277	234	179	177	177	113	139	49	9052
20090	20455	1955	1956	0	0	0	0	0	0	0	0	0	0	0	0	0	47	137	260	1152	337	375	560	1142	1072	973	1139	546	279	237	183	180	179	113	140	49	9100

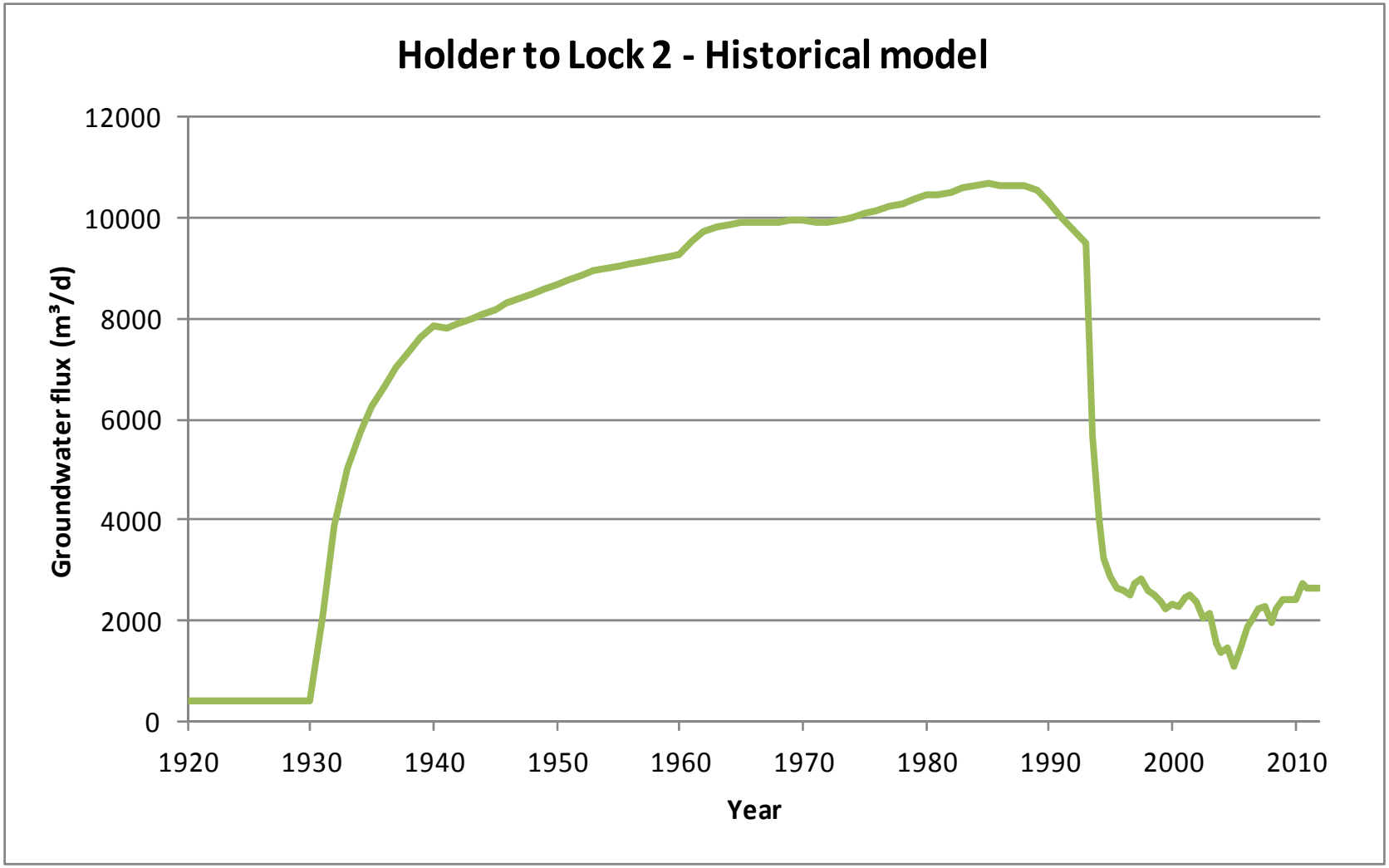
B-3a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Historical model) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m3/d)
20455	20821	1956	1957	0	0	0	0	0	0	0	0	0	0	0	0	0	48	138	262	1155	340	378	565	1146	1075	974	1141	548	281	240	187	182	181	114	140	49	9144
20821	21186	1957	1958	0	0	0	0	0	0	0	0	0	0	0	0	0	50	139	263	1158	342	381	569	1149	1079	976	1143	550	283	242	190	185	182	114	140	49	9184
21186	21551	1958	1959	0	0	0	0	0	0	0	0	0	0	0	0	0	51	140	265	1161	344	383	572	1152	1082	978	1145	551	285	244	193	187	184	115	141	49	9222
21551	21916	1959	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	52	141	266	1165	346	385	576	1155	1085	981	1147	553	287	246	195	188	185	115	141	49	9257
21916	22282	1960	1961	0	0	0	0	0	0	0	0	0	0	0	0	0	53	142	267	1167	348	387	578	1158	1088	983	1151	585	310	265	205	197	232	183	189	51	9541
22282	22647	1961	1962	0	0	0	0	0	0	0	0	0	0	0	0	0	54	143	268	1170	349	389	581	1161	1092	987	1156	603	328	283	216	207	254	200	209	52	9702
22647	23012	1962	1963	0	0	0	0	0	0	0	0	0	0	0	0	0	55	144	269	1173	351	390	584	1164	1095	990	1161	613	337	292	222	212	264	207	218	53	9794
23012	23377	1963	1964	0	0	0	0	0	0	0	0	0	0	0	0	0	55	144	270	1175	352	392	586	1167	1099	993	1165	620	343	297	226	215	269	211	222	53	9855
23377	23743	1964	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	145	271	1178	354	393	588	1170	1102	996	1169	625	346	300	228	217	272	212	224	53	9900
23743	24108	1965	1966	0	0	0	0	0	0	0	0	0	0	0	0	0	57	146	272	1181	353	384	580	1169	1103	998	1172	628	347	298	228	213	273	213	225	53	9895
24108	24473	1966	1967	0	0	0	0	0	0	0	0	0	0	0	0	0	57	146	272	1183	353	383	577	1169	1103	1000	1175	631	348	298	228	213	273	214	226	53	9902
24473	24838	1967	1968	0	0	0	0	0	0	0	0	0	0	0	0	0	58	147	273	1185	353	382	576	1170	1104	1002	1177	633	349	298	228	212	273	214	227	54	9915
24838	25204	1968	1969	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1187	354	382	576	1171	1105	1004	1180	635	350	299	228	213	273	215	227	54	9931
25204	25569	1969	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	60	148	274	1189	354	382	576	1173	1107	1006	1183	637	351	299	228	213	273	215	228	54	9949
25569	25934	1970	1971	0	0	104	0	7	0	0	0	0	0	0	0	0	76	147	267	1158	363	373	558	1151	1094	991	1153	629	346	283	217	205	270	214	228	54	9886
25934	26299	1971	1972	0	0	130	0	11	0	0	0	0	0	7	2	0	92	154	270	1163	379	375	549	1137	1082	981	1140	623	341	279	215	203	267	214	228	54	9893
26299	26665	1972	1973	0	0	142	0	13	0	0	0	0	0	18	10	0	108	160	274	1171	394	380	545	1128	1072	973	1133	619	339	278	213	201	266	213	227	54	9931
26665	27030	1973	1974	0	0	150	0	15	0	0	0	0	2	28	21	9	123	166	278	1180	407	386	545	1121	1066	967	1127	617	337	277	212	201	266	213	227	54	9993
27030	27395	1974	1975	0	0	156	0	17	0	0	0	0	7	38	31	23	136	172	283	1189	419	392	546	1117	1061	962	1123	615	335	276	212	201	265	213	227	54	10066
27395	27760	1975	1976	0	0	160	0	18	0	0	0	0	12	48	41	39	150	177	287	1197	427	393	542	1113	1056	958	1119	614	334	274	211	198	264	213	227	54	10124
27760	28126	1976	1977	0	0	163	0	19	0	0	0	0	16	59	50	55	168	186	294	1206	434	396	542	1110	1053	955	1117	612	333	273	210	197	264	213	227	54	10202
28126	28491	1977	1978	0	0	165	0	19	0	0	0	1	20	69	58	70	187	195	301	1217	439	398	543	1108	1050	952	1114	611	332	273	210	197	263	213	227	54	10287
28491	28856	1978	1979	0	0	168	0	20	0	0	0	1	24	79	64	85	205	203	309	1229	443	401	544	1108	1049	950	1113	611	331	273	210	197	263	212	226	54	10370
28856	29221	1979	1980	0	0	169	0	20	0	0	0	1	26	87	70	98	221	211	316	1240	446	403	545	1107	1048	949	1111	610	331	273	211	197	263	212	226	54	10448
29221	29587	1980	1981	0	0	171	0	21	0	0	0	2	35	124	77	111	231	214	317	1230	444	401	542	1098	1041	939	1094	605	328	266	206	196	262	212	226	54	10447
29587	29952	1981	1982	0	0	172	0	21	1	0	0	4	52	156	86	124	243	218	321	1233	443	401	540	1091	1035	933	1085	601	326	265	206	195	261	212	226	53	10504
29952	30317	1982	1983	0	0	174	0	22	1	0	0	5	66	179	95	138	255	223	325	1238	443	400	539	1087	1030	928	1080	598	325	265	206	196	261	212	226	53	10567
30317	30682	1983	1984	0	0	175	0	22	1	0	0	7	77	196	103	151	267	227	329	1243	444	400	538	1083	1026	923	1076	596	324	265	207	196	261	212	226	53	10626
30682	31048	1984	1985	0	0	176	0	22	1	0	0	9	87	211	110	163	278	232	333	1249	444	400	537	1080	1023	920	1072	594	323	265	207	196	261	211	226	53	10682
31048	31413	1985	1986	0	0	177	0	23	1	0	0	10	96	223	117	173	284	232	331	1233	439	397	533	1068	1014	908	1053	588	320	258	203	195	260	211	225	53	10623
31413	31778	1986	1987	0	0	178	1	23	1	0	0	11	103	233	123	183	291	234	332	1232	437	395	529	1059	1006	900	1043	583	317	257	202	195	259	211	225	53	10615
31778	32143	1987	1988	0	0	178	1	23	1	0	0	12	111	242	128	192	299	237	335	1232	436	393	526	1053	999	893	1036	580	315	256	202	195	259	211	225	53	10623
32143	32509	1988	1989	0	0	179	1	23	1	0	0	14	117	251	133	200	303	235	331	1212	429	389	520	1037	987	879	1014	572	311	249	198	193	257	210	225	53	10522
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	120	252	136	205	299	230	325	1185	417	381	510	1016	969	859	984	559	303	240	193	191	252	205	221	53	10306
32874	33239	1990	1991	0	0	147	0	19	1	0	0	12	117	242	135	205	289	222	316	1150	397	370	498	989	947	835	950	541	292	228	186	188	242	194	212	53	9975
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	116	240	137	208	283	215	309	1120	378	358	485	963	924	811	921	525	281	219	181	185	237	190	209	53	9703
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	116	242	141	213	280	211	304	1096	363	347	472	939	902	789	897	513	274	214	178	183	234	188	207	52	9496

B-3a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Historical model) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m3/d)
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	117	243	138	149	97	115	234	747	210	169	182	518	478	370	465	231	160	194	172	177	178	36	86	46	5653
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	242	134	106	43	94	193	626	97	64	41	387	332	206	296	121	54	160	159	166	134	8	38	42	3999
34335	34516	1994	1994.5	0	0	114	0	14	1	0	1	9	118	240	131	91	15	80	177	548	40	20	6	313	253	144	232	81	11	131	145	155	106	4	24	40	3240
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	238	128	72	4	72	164	468	14	2	3	283	230	125	213	68	3	110	133	147	88	3	18	39	2882
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	236	127	67	0	63	155	420	3	0	0	258	209	103	190	57	1	94	123	139	76	2	16	39	2632
34881	35065	1995.5	1996	0	0	112	0	14	1	0	1	8	118	235	126	66	0	60	148	383	0	0	0	230	199	163	209	47	0	84	117	136	84	6	15	38	2598
35065	35247	1996	1996.5	0	0	107	0	13	0	0	1	8	118	234	126	66	0	55	142	351	0	0	0	212	189	160	202	41	0	75	111	131	85	6	15	38	2489
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	118	234	129	80	6	66	149	438	1	0	3	260	212	161	265	53	0	72	107	127	80	5	19	39	2751
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	7	119	236	132	89	13	73	153	468	7	0	5	267	213	162	270	54	0	69	103	125	77	5	19	39	2817
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	7	119	238	136	127	26	64	151	447	4	0	1	247	181	87	213	50	0	67	100	121	64	2	17	39	2618
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	7	120	240	140	142	34	61	148	428	1	0	0	229	162	67	190	45	0	61	96	118	56	1	15	38	2502
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	7	121	243	141	127	21	59	145	394	0	0	0	198	131	76	192	37	0	57	92	115	51	0	13	38	2360
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	7	122	244	142	124	16	56	142	371	0	0	0	181	118	68	182	33	0	52	89	113	48	0	12	37	2249
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	7	123	244	141	106	1	53	141	404	0	0	0	174	134	83	215	41	0	50	86	111	48	1	15	38	2308
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	7	121	241	136	97	0	51	141	406	0	0	0	166	130	82	216	41	0	48	84	110	46	0	16	39	2261
36708	36892	2000.5	2001	0	0	72	0	9	0	0	1	6	119	238	135	108	13	65	146	457	8	0	0	184	158	112	223	61	0	48	82	109	51	2	18	39	2463
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	5	118	237	136	114	25	71	150	476	15	0	0	188	161	115	222	64	0	48	81	109	54	2	19	39	2530
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	5	118	238	136	116	30	73	151	438	0	0	0	184	146	93	156	90	0	50	81	108	44	0	11	37	2381
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	4	118	238	134	91	3	59	144	399	0	0	0	152	127	39	125	25	0	46	79	107	47	1	14	38	2067
37438	37622	2002.5	2003	0	0	68	0	8	0	0	0	4	118	238	132	82	0	51	138	375	0	0	0	167	146	77	152	27	0	42	78	107	54	2	20	39	2126
37622	37803	2003	2003.5	0	0	68	0	8	0	0	0	4	91	123	43	12	0	37	130	310	0	0	0	117	79	15	112	34	0	42	78	109	70	7	21	39	1549
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	2	69	69	11	0	0	18	113	264	0	0	0	73	101	55	33	85	0	45	79	111	85	18	21	39	1370
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	1	69	53	2	0	0	12	100	238	0	0	0	101	120	47	127	95	0	50	81	113	94	24	24	40	1466
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	1	45	29	0	0	0	5	82	138	0	0	0	58	96	20	111	60	0	51	81	111	62	0	21	39	1086
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	0	34	21	0	0	0	2	74	172	0	0	0	157	167	50	203	68	0	58	81	112	83	17	46	42	1461
38534	38718	2005.5	2006	0	0	68	0	7	0	0	0	0	30	19	0	0	0	0	69	196	0	0	12	229	283	141	261	116	0	66	84	114	81	6	29	41	1852
38718	38899	2006	2006.5	0	0	69	0	7	0	0	0	0	37	25	0	0	0	0	66	203	0	0	2	206	241	161	369	145	9	75	87	117	96	22	38	42	2017
38899	39083	2006.5	2007	0	0	70	0	8	0	0	0	0	41	29	0	0	0	0	65	213	0	2	41	263	335	256	293	106	6	81	91	120	102	24	53	43	2243
39083	39264	2007	2007.5	0	0	71	0	8	0	0	0	0	32	31	0	0	0	0	66	255	0	15	66	268	348	209	299	112	8	84	94	121	98	10	31	41	2267
39264	39448	2007.5	2008	0	0	72	0	8	0	0	0	0	8	7	0	0	0	0	64	247	0	12	62	235	321	132	238	117	6	85	94	121	89	6	20	39	1985
39448	39630	2008	2008.5	0	0	74	0	8	0	0	0	0	0	0	0	0	0	0	68	281	1	9	84	335	342	159	291	136	10	86	95	121	91	8	22	40	2258
39630	39814	2008.5	2009	0	0	75	0	8	0	0	0	0	0	0	0	0	0	1	72	296	1	8	106	400	374	165	266	135	12	88	96	122	99	12	20	39	2396
39814	39995	2009	2009.5	0	0	76	0	8	0	0	0	0	0	0	0	0	0	1	69	290	0	8	112	411	385	164	258	135	12	88	96	123	102	13	20	39	2409
39995	40179	2009.5	2010	0	0	76	0	8	0	0	1	0	0	0	0	0	0	0	69	293	1	8	99	361	373	176	311	136	16	88	97	123	96	8	20	39	2397
40179	40360	2010	2010.5	0	0	77	0	8	0	0	1	0	0	0	0	0	0	1	71	321	6	24	115	387	392	240	335	170	34	89	96	124	114	41	34	41	2721
40360	40544	2010.5	2011	0	0	77	0	8	0	0	1	0	0	0	0	0	0	2	73	318	14	48	124	367	382	209	307	120	23	91	99	128	129	56	36	42	2654
40544	40909	2011	2012	0	0	78	0	8	0	0	1	0	0	0	0	0	0	2	72	317	23	70	133	360	370	194	290	108	14	92	102	131	139	61	40	42	2648

B-3a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Historical model) (Part 3/3)



B-3a (Historical model). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
7306	7672	1920	1921	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
7672	8037	1921	1922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
8037	8402	1922	1923	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
8402	8767	1923	1924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
8767	9133	1924	1925	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
9133	9498	1925	1926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
9498	9863	1926	1927	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
9863	10228	1927	1928	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
10228	10594	1928	1929	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
10594	10959	1929	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5.6
10959	11324	1930	1931	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	1	0	0	3	2	2	4	1	0	1	1	1	1	1	1	1	30.4
11324	11689	1931	1932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	11	3	0	1	7	6	4	6	2	1	2	2	1	2	1	1	1	54.3
11689	12055	1932	1933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	13	4	1	1	10	9	6	8	3	1	2	2	1	2	1	1	1	70.2
12055	12420	1933	1934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	14	5	1	2	12	11	7	9	4	2	2	2	1	2	1	1	1	80.4
12420	12785	1934	1935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	15	5	1	2	13	12	8	10	4	2	2	2	1	2	1	2	1	87.6
12785	13150	1935	1936	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	15	6	1	2	14	13	8	11	4	2	2	2	1	2	1	2	1	93.4
13150	13516	1936	1937	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	16	6	1	2	15	14	9	11	5	3	3	2	1	2	1	2	1	98.4
13516	13881	1937	1938	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	17	7	1	2	16	14	9	11	5	3	3	2	1	2	1	2	1	102.7
13881	14246	1938	1939	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	16	15	9	12	5	3	3	2	2	2	1	2	1	106.7
14246	14611	1939	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	7	2	3	17	16	10	12	5	3	3	2	2	2	1	2	1	110.2
14611	14977	1940	1941	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	16	10	12	5	3	3	2	2	2	1	2	1	109.5
14977	15342	1941	1942	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	16	10	12	5	3	3	2	2	2	1	2	1	110.5
15342	15707	1942	1943	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	8	2	3	17	16	10	12	6	3	3	2	2	2	1	2	1	111.8
15707	16072	1943	1944	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	8	2	3	18	16	10	12	6	3	3	2	2	2	1	2	1	113.3
16072	16438	1944	1945	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	8	2	3	18	17	10	12	6	3	3	2	2	2	1	2	1	114.7
16438	16803	1945	1946	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	8	2	3	18	17	10	12	6	3	3	2	2	2	1	2	1	116.1
16803	17168	1946	1947	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	8	2	3	18	17	10	13	6	3	3	2	2	2	1	2	1	117.5
17168	17533	1947	1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	18	17	11	13	6	3	3	2	2	2	1	2	1	118.8
17533	17899	1948	1949	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120.1
17899	18264	1949	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	18	11	13	6	4	3	2	2	2	1	2	1	121.2
18264	18629	1950	1951	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	8	2	4	19	18	11	13	6	4	3	2	2	2	1	2	1	121.8
18629	18994	1951	1952	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	19	18	11	13	6	4	3	2	2	2	1	2	1	123.0
18994	19360	1952	1953	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	19	18	11	13	6	4	3	2	2	2	2	2	1	124.1
19360	19725	1953	1954	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	19	18	11	13	6	4	3	2	2	2	2	2	1	125.0
19725	20090	1954	1955	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	19	18	11	13	6	4	3	2	2	2	2	2	1	125.7
20090	20455	1955	1956	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	2	2	2	2	2	1	126.4
			Salinity (mg/L)	29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

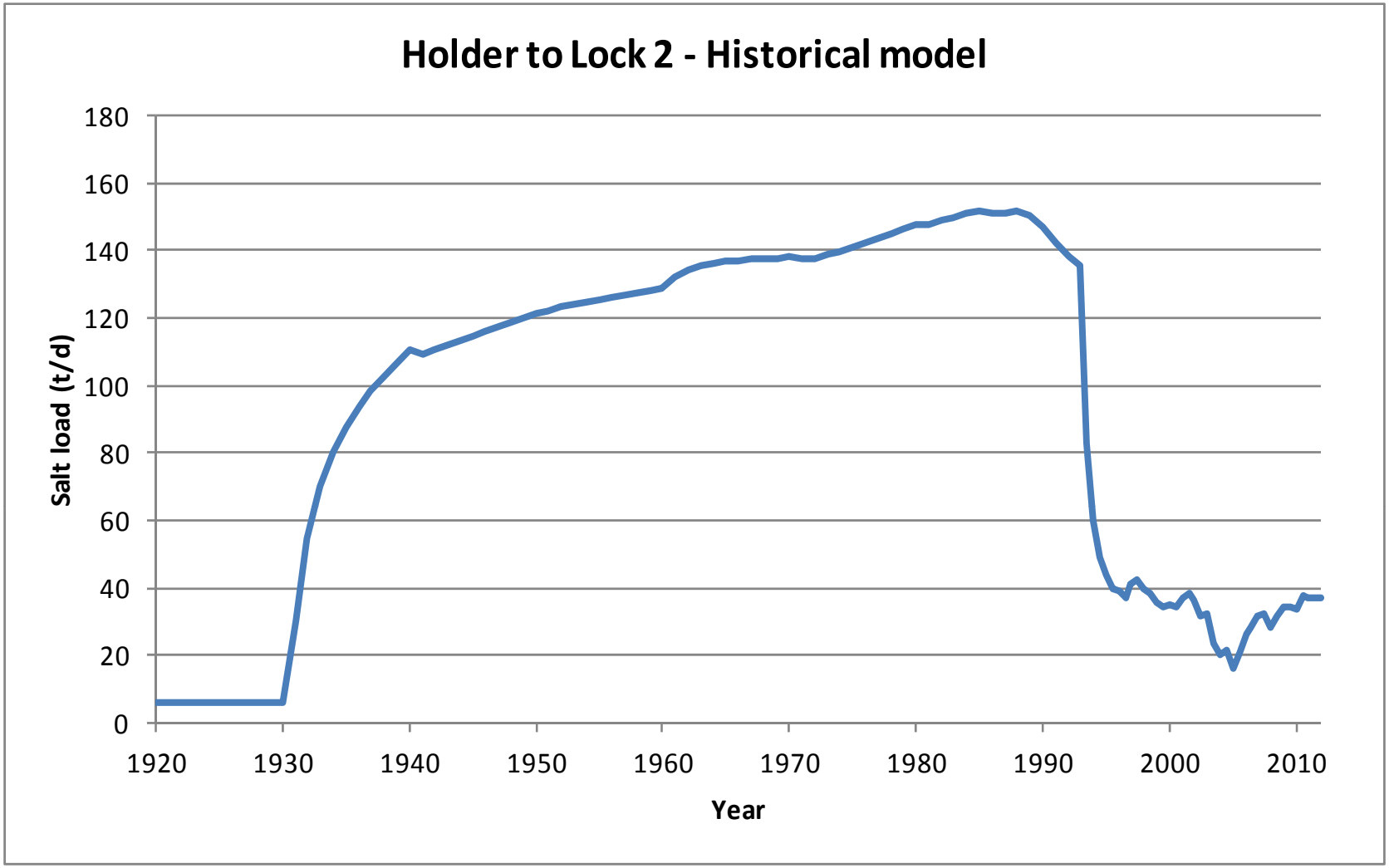
B-3b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Historical model) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
20455	20821	1956	1957	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	2	2	2	2	1	127.0
20821	21186	1957	1958	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	127.5
21186	21551	1958	1959	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128.0
21551	21916	1959	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	6	4	3	3	3	3	2	2	1	128.5
21916	22282	1960	1961	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	6	4	4	3	3	3	2	3	1	132.3
22282	22647	1961	1962	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	4	4	3	3	3	3	3	1	134.4
22647	23012	1962	1963	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	135.7
23012	23377	1963	1964	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	136.5
23377	23743	1964	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.1
23743	24108	1965	1966	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.1
24108	24473	1966	1967	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.2
24473	24838	1967	1968	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.4
24838	25204	1968	1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.6
25204	25569	1969	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.9
25569	25934	1970	1971	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	4	18	10	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137.4
25934	26299	1971	1972	0	0	2	0	0	0	0	0	0	0	0	0	0	1	2	4	18	10	3	4	19	18	11	13	7	5	4	3	3	4	3	3	1	137.8
26299	26665	1972	1973	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	138.7
26665	27030	1973	1974	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	139.8
27030	27395	1974	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141.1
27395	27760	1975	1976	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	142.1
27760	28126	1976	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	143.4
28126	28491	1977	1978	0	0	2	0	0	0	0	0	0	0	1	1	1	3	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	144.8
28491	28856	1978	1979	0	0	2	0	0	0	0	0	0	0	1	1	1	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	146.2
28856	29221	1979	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147.4
29221	29587	1980	1981	0	0	2	0	0	0	0	0	0	1	2	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147.6
29587	29952	1981	1982	0	0	2	0	0	0	0	0	0	1	2	1	2	4	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	148.7
29952	30317	1982	1983	0	0	2	0	0	0	0	0	0	1	3	1	2	4	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	149.8
30317	30682	1983	1984	0	0	2	0	0	0	0	0	0	2	3	2	2	4	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	150.8
30682	31048	1984	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151.8
31048	31413	1985	1986	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	6	4	4	3	3	4	3	3	1	151.1
31413	31778	1986	1987	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151.2
31778	32143	1987	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	4	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151.4
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150.1
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147.1
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142.3
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138.4
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135.4
			Salinity (mg/L)	29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Historical model) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	6	1	1	9	8	4	5	3	2	3	2	2	2	0	1	1	82.7
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	1	1	3	10	3	0	0	7	6	2	3	1	1	2	2	2	2	0	1	1	59.9
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	1	0	1	3	9	1	0	0	5	4	2	3	1	0	2	2	2	1	0	0	1	48.9
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	1	0	1	2	7	0	0	0	5	4	1	2	1	0	1	2	2	1	0	0	1	43.5
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	1	0	1	2	7	0	0	0	4	4	1	2	1	0	1	2	2	1	0	0	1	39.8
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	2	4	2	1	0	1	2	6	0	0	0	4	3	2	2	1	0	1	2	2	1	0	0	1	38.9
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	2	4	2	1	0	1	2	6	0	0	0	4	3	2	2	0	0	1	2	2	1	0	0	1	37.3
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	2	4	2	1	0	1	2	7	0	0	0	4	4	2	3	1	0	1	1	2	1	0	0	1	41.2
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	1	0	1	2	7	0	0	0	5	4	2	3	1	0	1	1	2	1	0	0	1	42.2
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	0	1	2	7	0	0	0	4	3	1	2	1	0	1	1	2	1	0	0	1	39.7
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	0	0	0	4	3	1	2	0	0	1	1	2	1	0	0	1	38.1
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	0	1	2	6	0	0	0	3	2	1	2	0	0	1	1	2	1	0	0	1	35.8
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	0	1	2	6	0	0	0	3	2	1	2	0	0	1	1	2	1	0	0	1	34.2
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	0	1	2	6	0	0	0	3	2	1	2	0	0	1	1	2	1	0	0	1	34.9
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	0	1	2	6	0	0	0	3	2	1	2	0	0	1	1	1	1	0	0	1	34.2
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	0	1	2	7	0	0	0	3	3	1	2	1	0	1	1	1	1	0	0	1	37.2
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	2	4	2	2	0	1	2	8	0	0	0	3	3	1	2	1	0	1	1	1	1	0	0	1	38.2
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	2	4	2	2	0	1	2	7	0	0	0	3	2	1	2	1	0	1	1	1	1	0	0	0	36.0
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	2	4	2	1	0	1	2	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	0	1	31.8
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	2	4	2	1	0	1	2	6	0	0	0	3	2	1	2	0	0	1	1	1	1	0	0	1	32.4
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	2	2	1	0	0	1	2	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23.4
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	2	4	0	0	0	1	2	1	0	1	0	1	1	2	1	0	0	1	20.4
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	1	4	0	0	0	2	2	1	1	1	0	1	1	2	1	0	0	1	21.4
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	1	2	0	1	1	0	1	1	2	1	0	0	1	15.7
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	3	0	0	0	3	3	1	2	1	0	1	1	2	1	0	1	1	21.1
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	3	0	0	0	4	5	2	3	1	0	1	1	2	1	0	0	1	26.5
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	3	0	0	0	4	4	2	4	2	0	1	1	2	1	0	1	1	28.2
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	3	0	0	0	5	6	3	3	1	0	1	1	2	1	0	1	1	31.7
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	4	0	0	0	5	6	2	3	1	0	1	1	2	1	0	0	1	31.9
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	4	5	1	3	1	0	1	1	2	1	0	0	1	28.0
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	1	6	6	2	3	1	0	1	1	2	1	0	0	1	31.8
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	1	7	6	2	3	1	0	1	1	2	1	0	0	1	34.0
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	1	7	7	2	3	1	0	1	1	2	1	0	0	1	34.2
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	1	6	6	2	3	1	0	1	1	2	1	0	0	1	33.8
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	1	7	7	3	4	2	0	1	1	2	2	1	0	1	38.0
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	1	6	7	2	3	1	0	1	1	2	2	1	0	1	37.1
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	1	6	6	2	3	1	0	1	1	2	2	1	1	1	37.0
			Salinity (mg/L)	29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Historical model) (Part 3/3)



B-3b (Historical model). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
0	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	71	95	46	433
0	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	41	0	1	11	52	74	71	95	46	434
0	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	42	0	1	11	53	75	71	96	46	437
0	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	44	0	1	12	53	75	71	96	46	442
0	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	45	45	0	1	12	54	76	72	96	46	447
0	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	46	45	0	1	12	54	76	72	96	46	448
0	27395	1970	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	47	46	0	2	13	54	77	72	96	46	454
0	28126	1975	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	47	46	0	2	13	54	77	73	96	46	454
0	29221	1977	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	48	46	0	2	13	55	77	73	96	46	455
0	31048	1980	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	50	47	0	2	14	55	78	73	97	46	462
0	32143	1985	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	51	47	0	2	14	56	78	73	97	46	464
0	32509	1988	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	51	47	0	2	14	56	78	73	97	46	464
0	32874	1989	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	51	47	0	2	14	56	78	73	97	46	465
0	33239	1990	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	52	48	0	2	14	56	78	74	97	46	467
0	33604	1991	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	52	48	0	2	15	56	78	74	97	46	469
0	33970	1992	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	53	48	0	2	15	56	78	74	97	46	471
0	34151	1993	1993.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	53	48	0	2	15	56	78	74	97	46	472
0	34335	1993.5	1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	53	48	0	2	15	56	78	74	97	46	473
0	34516	1994	1994.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	54	48	0	2	15	56	79	74	97	46	473
0	34700	1994.5	1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	54	49	0	2	15	56	79	74	97	46	474
0	34881	1995	1995.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	54	49	0	2	15	57	79	74	97	46	475
0	35065	1995.5	1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	54	49	0	2	15	57	79	74	97	46	476
0	35247	1996	1996.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	55	49	0	2	15	57	79	74	97	46	476
0	35431	1996.5	1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	55	49	0	2	15	57	79	74	97	46	477
0	35612	1997	1997.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	55	49	0	2	15	57	79	74	97	46	478
0	35796	1997.5	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	55	49	0	2	15	57	79	74	97	46	478
0	35977	1998	1998.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	56	49	0	2	15	57	79	74	97	46	479
0	36161	1998.5	1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	56	49	0	2	15	57	79	74	97	46	479
0	36342	1999	1999.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	56	49	0	2	15	57	79	74	97	46	480
0	36526	1999.5	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	56	49	0	2	15	57	79	74	97	46	480
0	36708	2000	2000.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	57	50	0	2	16	57	79	74	97	46	482
0	36892	2000.5	2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	57	50	0	2	16	57	79	74	98	46	484
0	37073	2001	2001.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	58	50	0	2	16	57	79	74	98	46	485
0	37257	2001.5	2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	58	50	0	2	16	57	79	74	98	46	487
0	37438	2002	2002.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	59	50	0	2	16	57	79	74	98	46	488
0	37622	2002.5	2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	2	59	51	0	3	16	58	79	74	98	46	490
0	37803	2003	2003.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	2	60	51	0	3	16	58	80	75	98	46	491
0	37987	2003.5	2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	3	60	51	0	3	16	58	80	75	98	46	493
0	38169	2004	2004.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	3	60	51	0	3	16	58	80	75	98	46	494
0	38353	2004.5	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	3	61	51	0	3	17	58	80	75	98	46	496
0	38534	2005	2005.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	3	61	51	0	3	17	58	80	75	98	46	497
0	38718	2005.5	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	3	62	52	0	3	17	58	80	75	98	46	498
0	38899	2006	2006.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	2	3	62	52	0	3	17	58	80	75	98	46	499
0	39083	2006.5	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	3	3	62	52	0	3	17	58	80	75	98	46	500
0	39264	2007	2007.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	3	3	63	52	0	3	17	58	80	75	98	46	502
0	39448	2007.5	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	3	3	63	52	0	3	17	58	80	75	98	46	503
0	39630	2008	2008.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	3	3	63	52	0	3	17	58	80	75	98	46	504
0	39814	2008.5	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	3	3	64	52	0	3	17	58	80	75	98	46	505
0	39995	2009	2009.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	4	4	64	53	0	3	17	58	80	75	98	46	506
0	40179	2009.5	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	4	4	64	53	0	3	17	59	80	75	98	46	507

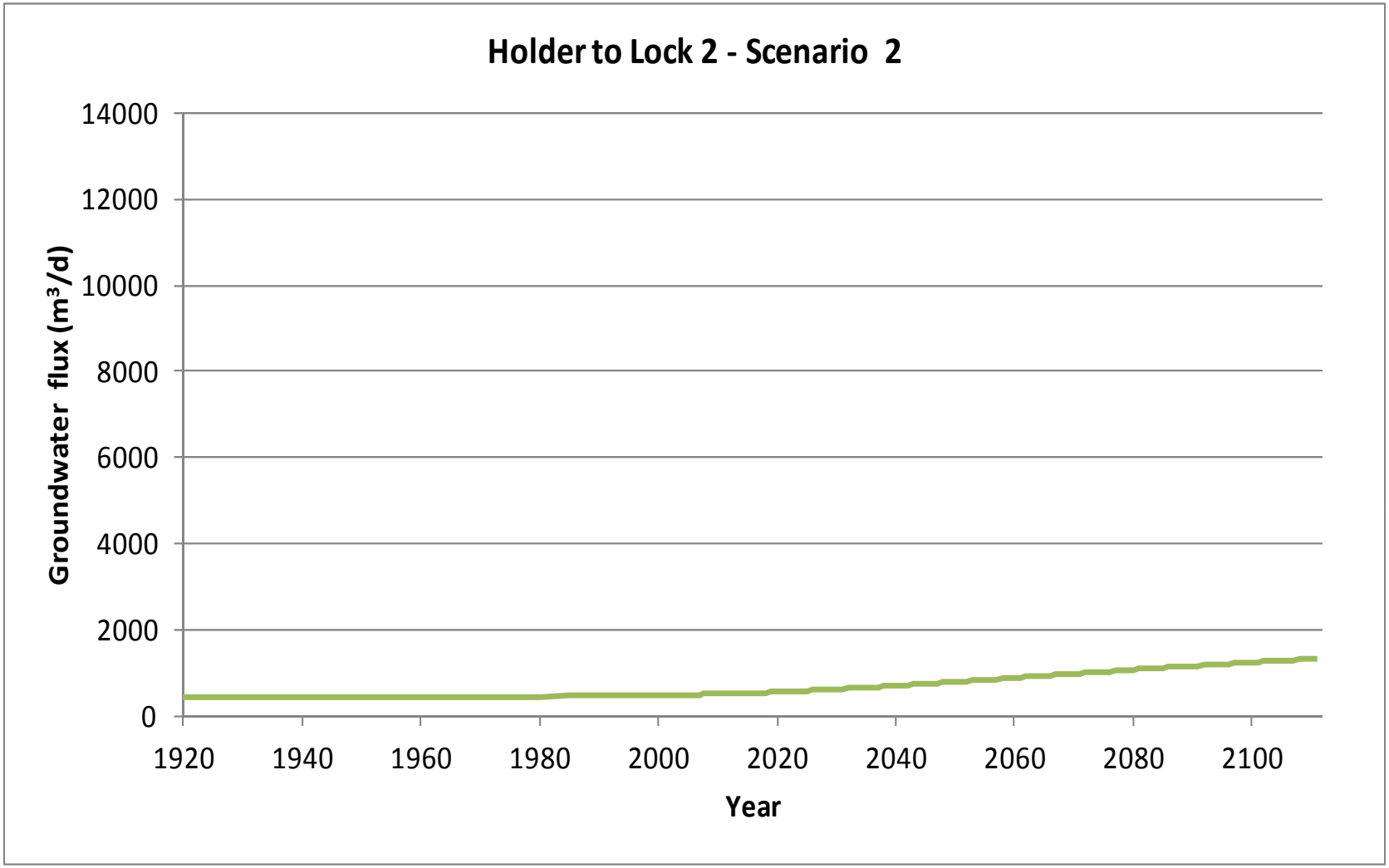
B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 2) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m3/d)
40179	40360	2010	2010.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	4	4	65	53	0	3	17	59	80	75	98	46	509
40179	40544	2010.5	2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	0	0	4	4	65	53	0	3	18	59	80	75	98	46	512
40179	40909	2011	2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	5	5	67	54	0	3	18	59	81	75	98	46	518
40179	41275	2012	2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	0	0	0	6	5	68	54	0	3	18	59	81	75	99	46	523
40179	41640	2013	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	7	5	69	55	0	3	18	60	81	75	99	46	528
40179	42005	2014	2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	0	0	0	0	7	6	70	55	0	3	19	60	81	75	99	46	532
40179	42370	2015	2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	0	0	0	0	8	6	71	56	0	3	19	60	82	76	99	46	537
40179	42736	2016	2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	0	0	0	0	8	6	72	56	0	3	19	60	82	76	99	46	541
40179	43101	2017	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	0	0	0	0	9	7	73	56	0	3	19	61	82	76	99	46	545
40179	43466	2018	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	0	0	0	0	9	7	74	57	0	4	19	61	82	76	99	46	549
40179	43831	2019	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	0	0	0	0	10	8	74	57	0	4	20	61	82	76	99	46	553
40179	44197	2020	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	0	0	0	1	10	8	76	58	0	4	20	61	82	76	99	46	560
40179	44562	2021	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	15	0	0	0	1	11	9	77	58	0	4	21	62	83	76	99	46	568
40179	44927	2022	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	16	0	0	0	1	12	10	79	59	0	4	21	62	83	76	99	46	575
40179	45292	2023	2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	17	0	0	0	2	13	10	80	60	0	4	21	62	83	76	100	46	582
40179	45658	2024	2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	18	0	0	0	2	14	11	81	60	0	4	22	63	84	76	100	46	588
40179	46023	2025	2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	19	0	0	0	3	15	11	82	61	0	4	22	63	84	77	100	46	595
40179	46388	2026	2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	0	0	0	3	16	12	83	61	0	4	22	63	84	77	100	46	601
40179	46753	2027	2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	21	0	0	0	4	17	12	85	62	0	5	22	64	84	77	100	46	606
40179	47119	2028	2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	22	0	0	0	4	18	13	86	62	0	5	23	64	84	77	100	46	612
40179	47484	2029	2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	23	0	0	0	5	19	14	87	63	0	5	23	64	85	77	100	46	618
40179	47849	2030	2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	25	0	0	0	5	20	15	88	64	0	5	23	64	85	77	100	46	627
40179	48214	2031	2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	26	0	0	0	6	21	16	90	64	0	5	24	65	85	77	101	46	636
40179	48580	2032	2033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	28	0	0	0	7	22	17	91	65	0	5	24	65	86	77	101	46	645
40179	48945	2033	2034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	29	0	0	0	7	23	18	92	66	0	5	25	66	86	77	101	46	653
40179	49310	2034	2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	31	0	0	0	8	24	19	94	66	0	5	25	66	86	78	101	46	662
40179	49675	2035	2036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	32	0	0	0	8	25	20	95	67	0	5	25	67	86	78	101	46	670
40179	50041	2036	2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	34	0	0	0	9	26	21	96	68	0	6	26	67	87	78	101	46	678
40179	50406	2037	2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	35	0	0	0	9	27	22	97	68	0	6	26	67	87	78	101	46	686
40179	50771	2038	2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	37	0	0	0	10	28	23	99	69	0	6	26	67	87	78	102	46	693
40179	51136	2039	2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	38	0	0	0	10	29	24	100	70	0	6	26	68	87	78	102	46	700
40179	51502	2040	2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	40	0	0	0	11	30	26	101	71	0	6	27	68	88	78	102	46	711
40179	51867	2041	2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	42	0	0	0	12	31	27	103	72	0	6	28	69	88	78	102	46	721
40179	52232	2042	2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	44	0	0	0	12	32	28	104	72	0	6	28	69	88	78	102	46	731
40179	52597	2043	2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	46	0	0	0	13	33	29	106	73	0	7	28	70	89	79	102	46	740
40179	52963	2044	2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	48	0	0	0	13	34	30	107	74	0	7	29	70	89	79	102	46	749
40179	53328	2045	2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	49	0	0	0	14	35	32	108	75	0	7	29	70	89	79	103	46	758
40179	53693	2046	2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	51	0	0	0	15	36	33	110	76	0	7	29	71	90	79	103	46	766
40179	54058	2047	2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	53	0	0	0	15	37	34	111	76	0	7	30	71	90	79	103	46	774
40179	54424	2048	2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	54	0	0	0	16	38	35	112	77	0	7	30	71	90	79	103	46	782
40179	54789	2049	2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	55	0	0	0	16	38	36	113	78	0	7	30	71	90	79	103	46	790
40179	55154	2050	2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	57	0	0	0	17	39	38	115	78	0	8	31	72	91	79	103	46	800
40179	55519	2051	2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	59	0	0	0	17	40	39	116	79	1	8	31	73	91	80	104	46	810
40179	55885	2052	2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	61	0	0	0	18	41	40	118	80	1	8	32	73	91	80	104	46	820
40179	56250	2053	2054	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	28	63	0	0	0	18	42	41	119	81	1	8	32	73	92	80	104	46	830
40179	56615	2054	2055	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	28	64	0	0	0	19	43	42	120	82	1	8	33	74	92	80	104	46	839
40179	56980	2055	2056	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	29	66	0	0	0	20	44	44	122	83	1	8	33	74	92	80	104	46	848
40179	57346	2056	2057	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	30	68	0	0	0	20	45	45	123	83	1	8	33	74	93	80	104	46	857
40179	57711	2057	2058	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	30	69	0	0	0	21	46	46	124	84	1	8	34	75	93	80	105	46	866
40179	58076	2058	2059	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	31	71	0	0	0	21	47	47	125	85	2	9	34	75	93	81	105	46	874
40179	58441	2059	2060	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	32	72	0	0	0	22	48	48	127	86	2	9	34	75	93	81	105	46	883

B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 2) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m3/d)
58441	58807	2060	2061	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	32	74	0	0	0	23	49	49	128	86	2	9	35	76	94	81	105	46	894
58807	59172	2061	2062	0	0	0	0	0	0	0	0	0	0	0	4	0	0	3	33	75	0	0	0	23	50	50	130	87	2	9	35	76	94	81	105	46	905
59172	59537	2062	2063	0	0	0	0	0	0	0	0	0	0	0	4	0	0	3	33	77	0	0	0	24	51	52	131	88	2	9	36	77	94	81	105	46	914
59537	59902	2063	2064	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	34	78	0	0	0	25	52	53	132	89	2	9	36	77	95	81	106	46	924
59902	60268	2064	2065	0	0	0	0	0	0	0	0	0	0	0	5	0	0	4	35	80	0	0	0	26	53	54	134	90	3	10	36	77	95	81	106	46	933
60268	60633	2065	2066	0	0	0	0	0	0	0	0	0	0	0	5	0	0	4	35	81	0	0	0	26	54	55	135	91	3	10	37	77	95	81	106	46	943
60633	60998	2066	2067	0	0	0	0	0	0	0	0	0	0	0	6	1	0	5	36	83	0	0	0	27	55	56	136	92	3	10	37	78	95	82	106	46	952
60998	61363	2067	2068	0	0	0	0	0	0	0	0	0	0	0	6	1	0	5	36	84	0	0	0	28	56	57	138	92	3	10	37	78	96	82	106	46	961
61363	61729	2068	2069	0	0	0	0	0	0	0	0	0	0	0	6	1	0	5	37	85	0	0	0	28	57	58	139	93	3	10	38	78	96	82	106	46	970
61729	62094	2069	2070	0	0	0	0	0	0	0	0	0	0	0	7	1	0	6	37	87	0	0	0	29	58	59	140	94	3	10	38	78	96	82	106	46	978
62094	62459	2070	2071	0	0	0	0	0	0	0	0	0	0	0	7	2	0	6	38	88	0	0	0	30	59	60	142	95	4	10	39	79	96	82	107	46	989
62459	62824	2071	2072	0	0	0	0	0	0	0	0	0	0	0	7	2	0	6	38	89	0	0	0	31	60	61	143	96	4	10	39	79	97	82	107	46	999
62824	63190	2072	2073	0	0	0	0	0	0	0	0	0	0	0	8	2	0	7	39	91	0	0	0	31	61	62	144	97	4	11	39	80	97	82	107	47	1009
63190	63555	2073	2074	0	0	0	0	0	0	0	0	0	0	0	8	3	0	7	39	92	0	0	0	32	62	63	146	98	4	11	40	80	97	82	107	47	1018
63555	63920	2074	2075	0	0	0	0	0	0	0	0	0	0	0	9	3	0	7	40	93	0	0	0	33	63	64	147	99	4	11	40	80	97	83	107	47	1027
63920	64285	2075	2076	0	0	0	0	0	0	0	0	0	0	0	9	4	0	8	40	94	0	0	0	33	64	65	148	100	4	11	40	81	98	83	107	47	1036
64285	64651	2076	2077	0	0	0	0	0	0	0	0	0	0	0	9	4	0	8	41	96	0	0	0	34	65	66	150	101	5	11	40	81	98	83	108	47	1045
64651	65016	2077	2078	0	0	0	0	0	0	0	0	0	0	0	10	4	0	8	41	97	0	0	0	35	66	67	151	102	5	11	41	81	98	83	108	47	1054
65016	65381	2078	2079	0	0	0	0	0	0	0	0	0	0	0	10	5	0	8	42	98	0	0	0	36	67	68	152	103	5	11	41	81	98	83	108	47	1063
65381	65746	2079	2080	0	0	0	0	0	0	0	0	0	0	0	10	5	0	9	42	99	0	0	0	37	68	69	153	104	5	11	41	81	98	83	108	47	1071
65746	66112	2080	2081	0	0	0	0	0	0	0	0	0	0	0	11	6	0	9	43	100	0	0	0	37	68	70	155	105	5	12	42	82	99	83	108	47	1081
66112	66477	2081	2082	0	0	0	0	0	0	0	0	0	0	0	11	6	0	9	43	101	0	0	0	38	69	71	156	106	5	12	42	82	99	83	108	47	1091
66477	66842	2082	2083	0	0	0	0	0	0	0	0	0	0	0	12	7	0	9	43	103	0	0	0	39	70	72	157	107	6	12	42	83	99	84	109	47	1100
66842	67207	2083	2084	0	0	0	0	0	0	0	0	0	0	0	12	7	0	10	44	104	0	0	0	40	71	73	159	108	6	12	43	83	99	84	109	47	1110
67207	67573	2084	2085	0	0	0	0	0	0	0	0	0	0	0	12	8	0	10	44	105	0	0	0	41	72	74	160	109	6	12	43	83	100	84	109	47	1119
67573	67938	2085	2086	0	0	0	0	0	0	0	0	0	0	0	13	8	0	10	45	106	0	0	0	41	73	75	161	110	6	12	43	83	100	84	109	47	1127
67938	68303	2086	2087	0	0	0	0	0	0	0	0	0	0	0	13	9	0	10	45	107	0	0	0	42	74	76	163	111	6	12	43	83	100	84	109	47	1136
68303	68668	2087	2088	0	0	0	0	0	0	0	0	0	0	0	13	9	0	11	46	108	0	0	0	43	75	77	164	112	6	12	44	84	100	84	109	47	1144
68668	69034	2088	2089	0	0	0	0	0	0	0	0	0	0	0	14	10	0	11	46	109	0	0	0	44	76	78	165	112	7	13	44	84	100	84	109	47	1153
69034	69399	2089	2090	0	0	0	0	0	0	0	0	0	0	0	14	10	0	11	46	110	0	0	0	45	77	79	166	113	7	13	44	84	101	84	110	47	1161
69399	69764	2090	2091	0	0	0	0	0	0	0	0	0	0	1	14	11	0	11	47	111	0	0	0	45	78	80	168	114	7	13	45	85	101	84	110	47	1170
69764	70129	2091	2092	0	0	0	0	0	0	0	0	0	0	1	15	12	0	12	47	112	0	0	0	46	79	81	169	115	7	13	45	85	101	85	110	47	1180
70129	70495	2092	2093	0	0	0	0	0	0	0	0	0	0	1	15	12	0	12	47	113	0	0	0	47	80	82	170	116	7	13	45	85	101	85	110	47	1189
70495	70860	2093	2094	0	0	0	0	0	0	0	0	0	0	1	15	13	0	12	48	114	0	0	0	47	81	83	171	117	8	13	45	85	102	85	110	47	1197
70860	71225	2094	2095	0	0	0	0	0	0	0	0	0	0	1	16	13	0	12	48	115	0	0	0	48	82	84	172	118	8	13	46	85	102	85	110	47	1206
71225	71590	2095	2096	0	0	0	0	0	0	0	0	0	0	1	16	14	0	12	49	116	0	0	0	49	83	85	174	119	8	14	46	86	102	85	110	47	1214
71590	71956	2096	2097	0	0	0	0	0	0	0	0	0	0	1	17	15	0	13	49	117	0	0	0	50	84	86	175	119	8	14	46	86	102	85	111	47	1223
71956	72321	2097	2098	0	0	0	0	0	0	0	0	0	0	1	17	15	0	13	49	118	0	0	0	50	85	87	176	120	8	14	46	86	102	85	111	47	1231
72321	72686	2098	2099	0	0	0	0	0	0	0	0	0	0	1	17	16	0	13	50	119	0	0	0	51	85	88	177	121	9	14	46	86	102	85	111	47	1238
72686	73051	2099	2100	0	0	0	0	0	0	0	0	0	0	1	18	16	0	13	50	120	0	0	0	52	86	88	178	122	9	14	47	86	103	85	111	47	1246
73051	73416	2100	2101	0	0	0	0	0	0	0	0	0	0	1	18	17	0	14	50	121	0	0	0	52	87	90	179	123	9	14	47	87	103	85	111	47	1255
73416	73781	2101	2102	0	0	0	0	0	0	0	0	0	0	2	18	17	0	14	51	122	0	0	0	53	88	90	180	124	9	14	47	87	103	86	111	47	1263
73781	74146	2102	2103	0	0	0	0	0	0	0	0	0	0	2	19	18	0	14	51	123	0	0	0	54	89	91	182	124	9	14	47	87	103	86	111	47	1272
74146	74511	2103	2104	0	0	0	0	0	0	0	0	0	0	2	19	18	0	14	51	124	0	0	0	54	90	92	183	125	10	15	48	87	103	86	111	47	1280
74511	74877	2104	2105	0	0	0	0	0	0	0	0	0	0	2	19	19	0	15	52	125	0	0	0	55	91	93	184	126	10	15	48	87	104	86	112	47	1288
74877	75242	2105	2106	0	0	0	0	0	0	0	0	0	0	2	20	19	0	15	52	126	0	0	0	56	92	94	185	127	10	15	48	88	104	86	112	47	1296
75242	75607	2106	2107	0	0	0	0	0	0	0	0	0	0	2	20	20	0	15	52	127	0	0	0	56	93	95	186	127	10	15	48	88	104	86	112	47	1304
75607	75972	2107	2108	0	0	0	0	0	0	0	0	0	0	2	20	20	1	16	53	127	0	0	0	57	94	96	187	128	10	15	48	88	104	86	112	47	1311
75972	76338	2108	2109	0	0	0	0	0	0	0	0	0	0	2	20	21	1	16	53	128	0	0	0	58	95	97	188	129	11	15	48	88	104	86	112	47	1319
76338	76703	2109	2110	0	0	0	0	0	0	0	0	0	0	2	21	22	1	16	53	129	0	0	0	58	95	98	189	130	11	15	49	88	104	86	112	47	1326
76703	77068	2110	2111	0	0	0	0	0	0	0	0	0	0	2	21	22	1	16	54	130	0	0	0	59	96	99	190	130	11	15	49	88	104	86	112	47	1335

B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 2) (Part 3/3)



B-3a (S2). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	6
25569	27395	1970	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
27395	28126	1975	1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
28126	29221	1977	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
29221	31048	1980	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
31048	32143	1985	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
32143	32509	1988	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
32509	32874	1989	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
32874	33239	1990	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
33239	33604	1991	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
33604	33970	1992	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
33970	34151	1993	1993.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
34151	34335	1993.5	1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
34335	34516	1994	1994.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
34516	34700	1994.5	1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
34700	34881	1995	1995.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
34881	35065	1995.5	1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
35065	35247	1996	1996.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
35247	35431	1996.5	1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
35431	35612	1997	1997.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
35612	35796	1997.5	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
35796	35977	1998	1998.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
35977	36161	1998.5	1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
36161	36342	1999	1999.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
36342	36526	1999.5	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
36526	36708	2000	2000.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
36708	36892	2000.5	2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
36892	37073	2001	2001.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
37073	37257	2001.5	2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
37257	37438	2002	2002.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
37438	37622	2002.5	2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
37622	37803	2003	2003.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
37803	37987	2003.5	2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
37987	38169	2004	2004.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
38169	38353	2004.5	2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
38353	38534	2005	2005.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
38534	38718	2005.5	2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
38718	38899	2006	2006.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	6
38899	39083	2006.5	2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
39083	39264	2007	2007.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
39264	39448	2007.5	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
39448	39630	2008	2008.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
39630	39814	2008.5	2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
39814	39995	2009	2009.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
39995	40179	2009.5	2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

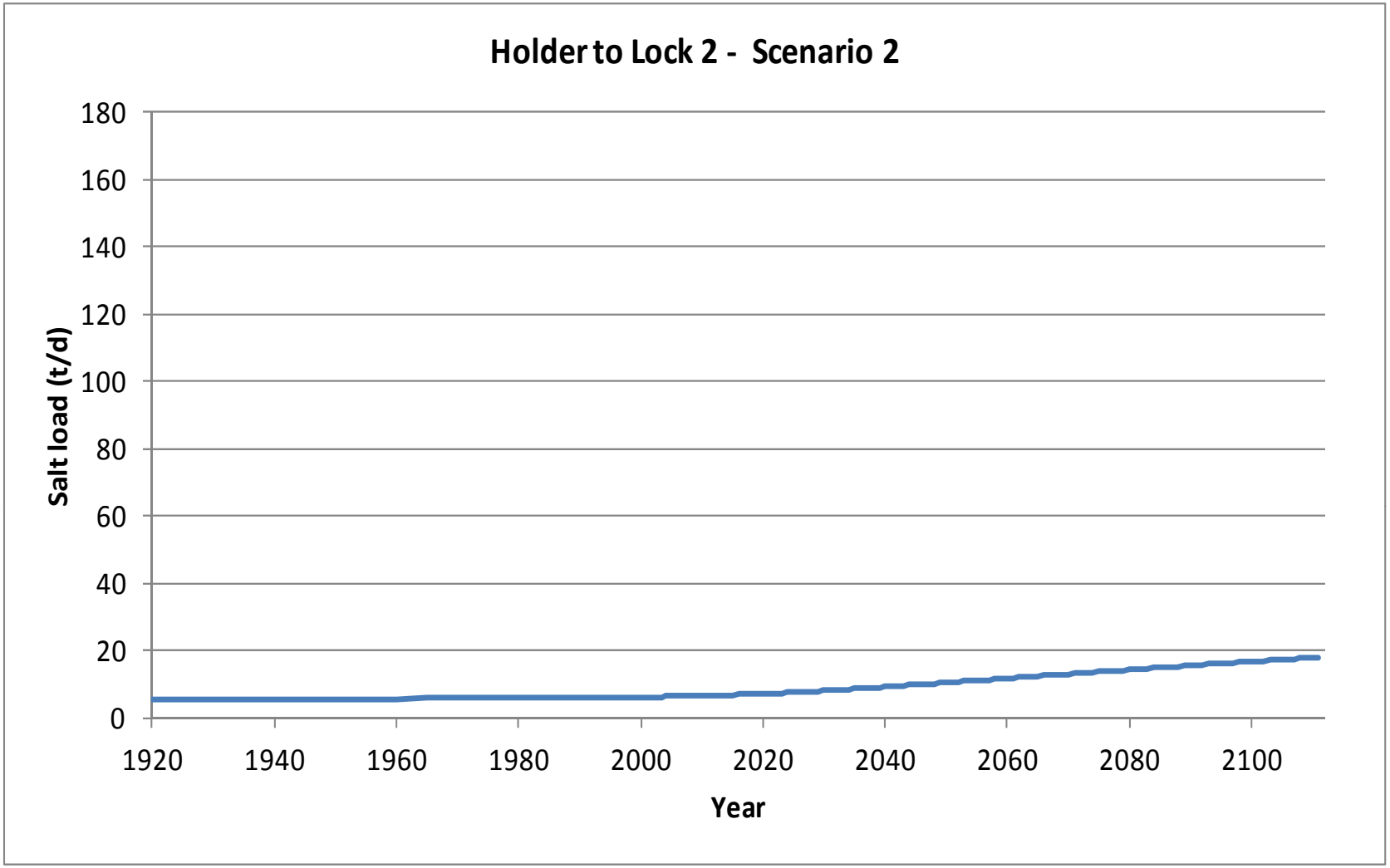
B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 2) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
40360	40544	2010.5	2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
40544	40909	2011	2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
40909	41275	2012	2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
41275	41640	2013	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
41640	42005	2014	2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
42005	42370	2015	2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
42370	42736	2016	2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
42736	43101	2017	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
43101	43466	2018	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
43466	43831	2019	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
43831	44197	2020	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
44197	44562	2021	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	7
44562	44927	2022	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
44927	45292	2023	2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
45292	45658	2024	2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
45658	46023	2025	2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
46023	46388	2026	2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
46388	46753	2027	2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
46753	47119	2028	2029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
47119	47484	2029	2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
47484	47849	2030	2031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
47849	48214	2031	2032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
48214	48580	2032	2033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	8
48580	48945	2033	2034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
48945	49310	2034	2035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
49310	49675	2035	2036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
49675	50041	2036	2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
50041	50406	2037	2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
50406	50771	2038	2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
50771	51136	2039	2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	9
51136	51502	2040	2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	9
51502	51867	2041	2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
51867	52232	2042	2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
52232	52597	2043	2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
52597	52963	2044	2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
52963	53328	2045	2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
53328	53693	2046	2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
53693	54058	2047	2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
54058	54424	2048	2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
54424	54789	2049	2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	10
54789	55154	2050	2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
55154	55519	2051	2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
55519	55885	2052	2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
55885	56250	2053	2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
56250	56615	2054	2055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
56615	56980	2055	2056	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
56980	57346	2056	2057	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	11
57346	57711	2057	2058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
57711	58076	2058	2059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
58076	58441	2059	2060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 2) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
58807	59172	2061	2062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
59172	59537	2062	2063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
59537	59902	2063	2064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
59902	60268	2064	2065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	12
60268	60633	2065	2066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	13
60633	60998	2066	2067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	1	1	1	1	1	1	13
60998	61363	2067	2068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	1	1	1	1	1	1	13
61363	61729	2068	2069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	1	1	1	1	1	1	13
61729	62094	2069	2070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	1	0	0	1	1	1	1	1	1	13
62094	62459	2070	2071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	13
62459	62824	2071	2072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	13
62824	63190	2072	2073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
63190	63555	2073	2074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
63555	63920	2074	2075	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
63920	64285	2075	2076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
64285	64651	2076	2077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
64651	65016	2077	2078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
65016	65381	2078	2079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
65381	65746	2079	2080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	14
65746	66112	2080	2081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
66112	66477	2081	2082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
66477	66842	2082	2083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
66842	67207	2083	2084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
67207	67573	2084	2085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
67573	67938	2085	2086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
67938	68303	2086	2087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
68303	68668	2087	2088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	15
68668	69034	2088	2089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
69034	69399	2089	2090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
69399	69764	2090	2091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
69764	70129	2091	2092	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
70129	70495	2092	2093	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
70495	70860	2093	2094	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
70860	71225	2094	2095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
71225	71590	2095	2096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
71590	71956	2096	2097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	16
71956	72321	2097	2098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	2	1	17
72321	72686	2098	2099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	2	1	17
72686	73051	2099	2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	2	1	17
73051	73416	2100	2101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1	1	2	1	0	0	1	1	1	1	2	1	17
73416	73781	2101	2102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	17
73781	74146	2102	2103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	17
74146	74511	2103	2104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	17
74511	74877	2104	2105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	17
74877	75242	2105	2106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	18
75242	75607	2106	2107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	18
75607	75972	2107	2108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	18
75972	76338	2108	2109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	18
76338	76703	2109	2110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	18
76703	77068	2110	2111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	1	2	1	0	0	1	1	1	1	2	1	18
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 2) (Part 3/3)



B-3b (S2). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	180	1	24	1	0	0	15	122	257	136	206	305	235	330	1205	425	385	514	1025	976	867	1001	565	307	248	197	193	256	210	224	53	10462
32874	33239	1990	1991	0	0	181	1	24	1	0	1	16	127	264	141	213	311	236	331	1202	422	383	510	1016	966	859	992	561	304	247	197	193	256	209	224	53	10439
33239	33604	1991	1992	0	0	181	1	24	1	0	1	17	133	271	146	221	316	238	332	1200	420	381	507	1008	959	851	985	557	302	246	197	193	256	209	223	53	10427
33604	33970	1992	1993	0	0	182	1	25	1	0	1	18	138	278	151	230	322	240	333	1198	418	379	504	1001	952	845	978	554	300	246	197	193	256	209	223	53	10424
33970	34151	1993	1993.5	0	0	182	1	25	1	0	1	18	140	281	153	234	325	241	334	1198	417	378	503	998	949	842	976	553	299	245	197	193	256	209	223	53	10424
34151	34335	1993.5	1994	0	0	182	1	25	1	0	2	18	143	284	155	238	328	241	334	1197	417	378	501	995	946	839	973	551	299	245	197	193	255	209	223	53	10426
34335	34516	1994	1994.5	0	0	183	1	25	1	0	2	19	145	287	157	242	331	242	335	1197	416	377	500	993	944	837	971	550	298	245	197	193	255	209	223	53	10428
34516	34700	1994.5	1995	0	0	183	1	25	1	0	2	19	147	290	160	245	334	243	336	1197	416	377	499	990	941	835	968	549	297	245	197	193	255	209	223	53	10431
34700	34881	1995	1995.5	0	0	183	1	25	1	0	2	20	149	293	162	252	339	244	336	1197	415	376	499	988	939	832	966	548	297	244	197	193	255	208	222	53	10439
34881	35065	1995.5	1996	0	0	184	1	25	1	0	3	20	151	296	164	261	346	246	337	1197	415	376	498	986	937	830	964	547	296	244	197	193	255	208	222	53	10455
35065	35247	1996	1996.5	0	0	184	1	25	1	0	3	21	153	299	167	269	354	248	338	1197	415	375	497	984	935	829	962	546	296	244	197	193	255	208	222	53	10473
35247	35431	1996.5	1997	0	0	184	1	26	1	0	3	21	155	302	170	277	361	249	339	1197	414	375	496	982	933	827	961	545	295	244	197	193	255	208	222	53	10489
35431	35612	1997	1997.5	0	0	184	1	26	1	0	3	22	157	305	172	283	367	251	340	1197	414	374	496	981	931	825	959	544	295	244	197	193	255	208	222	53	10503
35612	35796	1997.5	1998	0	0	185	1	26	1	0	4	22	159	308	175	289	372	252	341	1197	414	374	495	979	930	824	958	543	294	244	197	193	255	208	222	53	10516
35796	35977	1998	1998.5	0	0	185	1	26	1	0	4	23	161	311	177	294	377	254	342	1198	414	374	494	978	928	822	956	543	294	244	197	193	255	208	222	53	10528
35977	36161	1998.5	1999	0	0	185	1	26	1	0	4	23	163	314	179	299	381	255	343	1198	413	374	494	976	927	821	955	542	293	244	197	193	255	208	222	53	10540
36161	36342	1999	1999.5	0	0	185	1	26	1	0	4	24	165	316	181	303	385	256	343	1198	413	373	493	975	926	820	953	541	293	243	197	194	255	208	222	53	10550
36342	36526	1999.5	2000	0	0	186	1	26	1	0	5	24	167	319	183	307	388	257	344	1199	413	373	493	974	924	818	952	540	293	243	197	194	255	208	222	53	10560
36526	36708	2000	2000.5	0	0	186	1	26	1	0	5	24	168	321	185	311	392	258	345	1199	413	373	493	973	923	817	951	540	292	243	197	194	255	208	222	53	10570
36708	36892	2000.5	2001	0	0	186	1	27	1	0	5	25	170	324	186	314	395	259	346	1200	413	373	492	972	922	816	950	539	292	243	197	194	255	208	222	53	10580
36892	37073	2001	2001.5	0	0	186	1	27	1	0	5	25	171	326	188	318	398	260	346	1200	413	373	492	971	921	815	949	539	292	243	197	194	255	208	222	53	10589
37073	37257	2001.5	2002	0	0	187	1	27	2	0	6	26	173	328	189	321	401	261	347	1200	413	372	491	970	920	814	948	538	291	243	197	194	255	208	221	53	10598
37257	37438	2002	2002.5	0	0	187	1	27	2	0	6	26	174	330	191	324	403	262	347	1201	413	372	491	969	919	813	947	538	291	243	197	194	255	208	221	53	10607
37438	37622	2002.5	2003	0	0	187	2	27	2	0	6	27	176	332	192	327	406	263	348	1201	413	372	491	968	919	812	946	537	291	243	197	194	255	208	221	53	10616
37622	37803	2003	2003.5	0	0	187	2	27	2	0	6	27	177	334	194	330	408	264	349	1202	413	372	491	968	918	812	945	537	291	243	197	194	255	208	221	53	10624
37803	37987	2003.5	2004	0	0	187	2	27	2	0	6	28	179	336	195	332	411	264	349	1202	413	372	490	967	917	811	945	536	290	243	197	194	255	208	221	53	10633
37987	38169	2004	2004.5	0	0	188	2	27	2	0	7	28	180	338	196	335	413	265	350	1203	413	372	490	966	916	810	944	536	290	243	197	194	255	208	221	53	10642
38169	38353	2004.5	2005	0	0	188	2	28	2	1	7	28	181	339	198	338	415	266	350	1203	413	372	490	966	916	810	943	536	290	243	197	194	255	208	221	53	10650
38353	38534	2005	2005.5	0	0	188	2	28	2	1	7	29	182	341	199	340	417	267	351	1204	413	372	490	965	915	809	943	535	290	243	197	194	255	208	221	53	10658
38534	38718	2005.5	2006	0	0	188	2	28	2	1	7	29	183	343	200	342	420	267	351	1204	413	372	490	965	915	808	942	535	290	243	197	194	255	208	221	53	10666
38718	38899	2006	2006.5	0	0	188	2	28	2	1	7	30	185	344	201	345	422	268	352	1205	413	372	489	964	914	808	941	535	290	243	197	194	255	208	221	53	10675
38899	39083	2006.5	2007	0	0	188	2	28	2	1	8	30	186	346	202	347	424	269	352	1205	413	372	489	964	914	807	941	534	289	243	197	194	255	208	221	53	10683
39083	39264	2007	2007.5	0	0	188	2	28	2	1	8	30	187	348	204	349	426	269	353	1206	413	372	489	963	913	807	940	534	289	243	197	194	255	208	221	53	10691
39264	39448	2007.5	2008	0	0	189	2	28	2	1	8	31	188	349	205	352	428	270	353	1206	413	372	489	963	913	806	940	534	289	243	197	194	255	208	221	53	10699
39448	39630	2008	2008.5	0	0	189	2	28	2	1	8	31	189	350	206	354	430	271	354	1207	413	372	489	963	912	806	939	533	289	242	197	194	255	208	221	53	10707
39630	39814	2008.5	2009	0	0	189	2	28	2	1	8	31	190	352	207	356	432	271	354	1207	413	371	489	962	912	806	939	533	289	242	197	194	255	208	221	53	10715
39814	39995	2009	2009.5	0	0	189	2	28	2	1	8	32	191	353	208	358	434	272	355	1208	413	371	489	962	912	805	939	533	289	242	197	194	255	208	221	53	10722
39995	40179	2009.5	2010	0	0	189	2	29	2	1	9	32	191	354	209	360	435	273	355	1208	413	371	489	962	911	805	938	533	289	242	198	194	255	208	221	53	10730

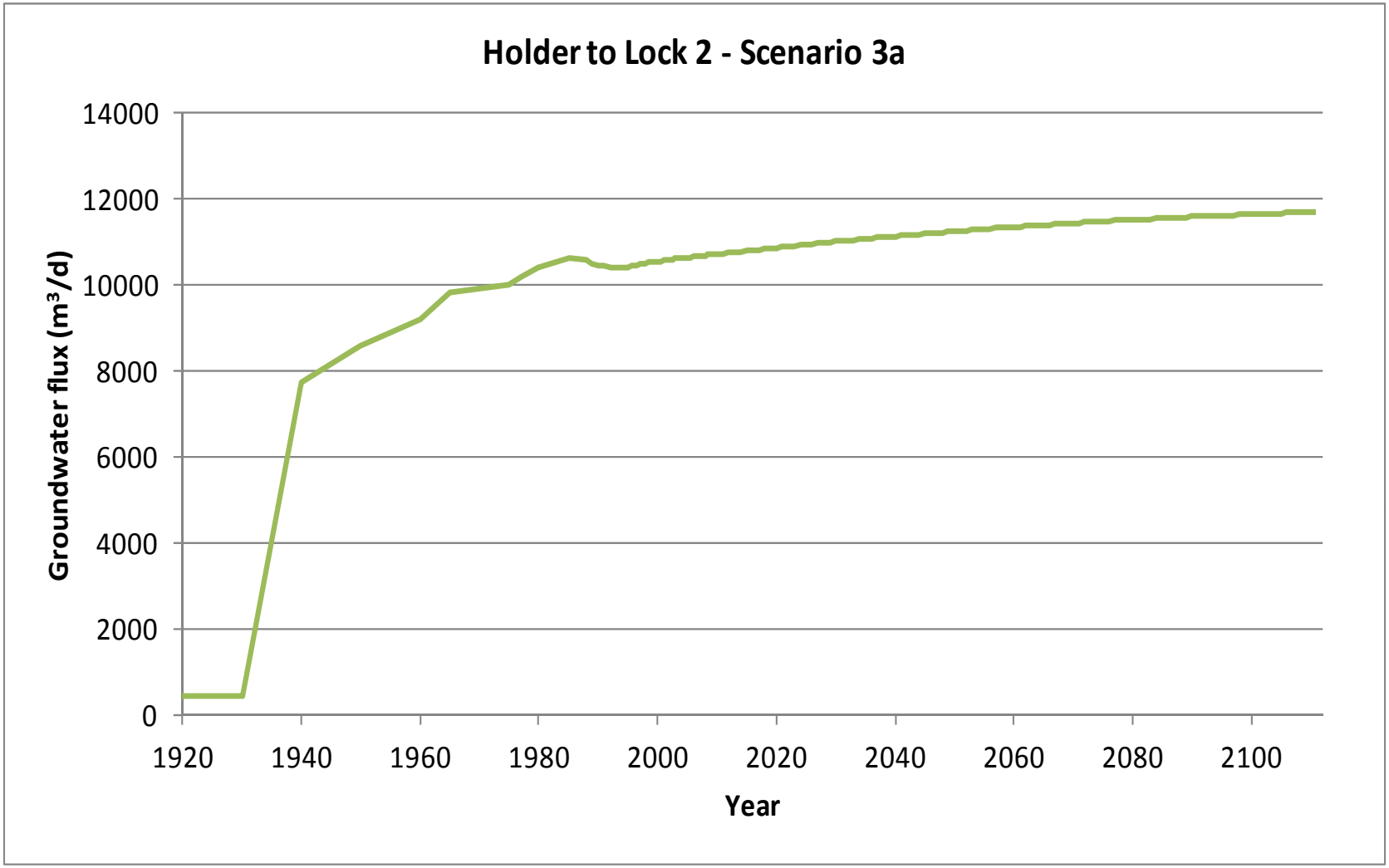
B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3a) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	189	2	29	2	1	9	32	192	356	210	362	437	273	356	1209	413	371	489	961	911	805	938	533	289	242	198	194	255	208	221	53	10738
40360	40544	2010.5	2011	0	0	189	2	29	2	1	9	32	193	357	211	364	439	274	356	1209	413	371	489	961	911	804	937	532	288	242	198	194	255	208	221	53	10746
40544	40909	2011	2012	0	0	190	2	29	2	1	9	33	195	359	212	368	443	275	357	1210	413	371	488	961	910	804	937	532	288	242	198	194	255	207	221	53	10761
40909	41275	2012	2013	0	0	190	2	29	2	1	9	34	196	362	214	371	446	276	358	1212	414	372	488	961	910	803	936	532	288	242	198	195	255	207	221	53	10776
41275	41640	2013	2014	0	0	190	2	29	2	1	10	34	198	364	216	375	450	278	359	1213	414	372	488	960	910	803	936	531	288	242	198	195	255	207	221	53	10792
41640	42005	2014	2015	0	0	190	2	29	2	1	10	35	199	366	217	378	453	279	360	1214	414	372	488	960	909	803	936	531	288	242	198	195	255	207	221	53	10807
42005	42370	2015	2016	0	0	191	2	29	2	1	10	35	200	368	219	382	456	280	361	1215	414	372	488	960	909	802	935	531	288	242	198	195	255	207	221	53	10822
42370	42736	2016	2017	0	0	191	2	29	2	1	10	35	201	370	220	385	459	281	362	1216	414	372	488	960	909	802	935	531	288	242	198	195	255	207	221	53	10836
42736	43101	2017	2018	0	0	191	2	30	2	1	10	36	202	371	222	388	462	282	362	1217	415	372	488	960	909	802	935	531	288	242	198	195	255	207	221	53	10851
43101	43466	2018	2019	0	0	191	2	30	2	1	11	36	204	373	223	392	465	283	363	1219	415	372	489	960	909	802	935	531	288	242	198	195	255	207	221	53	10866
43466	43831	2019	2020	0	0	191	2	30	2	1	11	37	205	375	225	395	468	284	364	1220	415	372	489	960	909	802	935	531	288	242	198	195	255	207	221	53	10880
43831	44197	2020	2021	0	0	191	2	30	2	1	11	37	205	376	226	398	471	285	365	1221	415	372	489	960	909	802	935	531	288	242	198	195	255	207	221	53	10895
44197	44562	2021	2022	0	0	192	2	30	2	1	11	37	206	378	227	400	474	286	366	1222	416	372	489	960	909	802	935	531	288	242	198	195	255	207	221	53	10909
44562	44927	2022	2023	0	0	192	2	30	2	1	11	38	207	379	228	403	477	287	367	1224	416	372	489	960	909	802	935	531	288	242	198	195	255	207	221	53	10923
44927	45292	2023	2024	0	0	192	2	30	2	1	11	38	208	381	230	406	480	288	367	1225	416	373	489	961	909	802	935	531	288	243	198	195	255	207	221	53	10937
45292	45658	2024	2025	0	0	192	2	30	2	1	11	38	209	382	231	409	482	289	368	1226	416	373	489	961	910	802	935	531	288	243	198	195	255	207	221	53	10951
45658	46023	2025	2026	0	0	192	2	30	2	1	12	39	210	383	232	411	485	290	369	1228	417	373	489	961	910	802	935	531	288	243	198	195	256	207	221	53	10965
46023	46388	2026	2027	0	0	192	2	30	2	1	12	39	210	385	233	414	488	291	370	1229	417	373	490	961	910	803	935	531	288	243	198	195	256	207	221	53	10979
46388	46753	2027	2028	0	0	192	2	30	2	1	12	39	211	386	234	416	490	292	370	1230	417	373	490	962	910	803	935	531	288	243	198	195	256	207	221	53	10992
46753	47119	2028	2029	0	0	193	2	31	2	1	12	39	212	387	235	419	493	293	371	1231	418	373	490	962	911	803	936	531	288	243	199	195	256	207	221	53	11006
47119	47484	2029	2030	0	0	193	2	31	3	2	12	40	213	388	236	421	495	294	372	1233	418	374	490	962	911	803	936	531	288	243	199	195	256	207	221	53	11019
47484	47849	2030	2031	0	0	193	2	31	3	2	12	40	213	389	237	423	497	295	373	1234	418	374	490	963	911	803	936	531	288	243	199	195	256	207	221	53	11032
47849	48214	2031	2032	0	0	193	2	31	3	2	12	40	214	390	238	426	500	296	373	1235	419	374	491	963	912	804	936	531	288	243	199	196	256	208	221	53	11046
48214	48580	2032	2033	0	0	193	2	31	3	2	12	40	215	391	239	428	502	297	374	1237	419	374	491	963	912	804	937	532	288	243	199	196	256	208	221	53	11059
48580	48945	2033	2034	0	0	193	2	31	3	2	12	41	215	392	240	430	504	297	375	1238	419	374	491	964	912	804	937	532	289	243	199	196	256	208	221	53	11071
48945	49310	2034	2035	0	0	193	2	31	3	2	13	41	216	393	241	432	506	298	376	1239	420	374	491	964	913	805	937	532	289	243	199	196	256	208	221	53	11084
49310	49675	2035	2036	0	0	193	2	31	3	2	13	41	216	394	241	434	508	299	376	1240	420	375	492	965	913	805	938	532	289	243	199	196	256	208	221	53	11097
49675	50041	2036	2037	0	0	193	2	31	3	2	13	41	217	395	242	436	510	300	377	1242	420	375	492	965	914	805	938	532	289	243	199	196	256	208	221	53	11109
50041	50406	2037	2038	0	0	194	2	31	3	2	13	41	217	396	243	438	512	301	378	1243	420	375	492	966	914	806	938	533	289	243	199	196	256	208	221	53	11122
50406	50771	2038	2039	0	0	194	2	31	3	2	13	42	218	397	244	440	514	301	378	1244	421	375	492	966	914	806	939	533	289	243	199	196	256	208	221	53	11134
50771	51136	2039	2040	0	0	194	2	31	3	2	13	42	218	398	245	441	516	302	379	1246	421	375	493	967	915	807	939	533	289	243	199	196	256	208	221	53	11146
51136	51502	2040	2041	0	0	194	2	31	3	2	13	42	219	399	245	443	518	303	380	1247	421	376	493	967	915	807	940	533	289	243	199	196	256	208	221	53	11158
51502	51867	2041	2042	0	0	194	2	31	3	2	13	42	219	400	246	445	520	304	380	1248	422	376	493	967	916	807	940	534	290	243	199	196	256	208	221	53	11170
51867	52232	2042	2043	0	0	194	2	31	3	2	13	42	220	401	247	447	522	304	381	1249	422	376	493	968	916	808	941	534	290	243	199	196	256	208	221	53	11182
52232	52597	2043	2044	0	0	194	2	31	3	2	13	43	220	401	247	448	524	305	382	1251	422	376	494	969	917	808	941	534	290	243	199	196	256	208	221	53	11193
52597	52963	2044	2045	0	0	194	2	31	3	2	13	43	221	402	248	450	525	306	382	1252	423	376	494	969	917	809	942	534	290	244	199	196	256	208	221	53	11204
52963	53328	2045	2046	0	0	194	2	31	3	2	13	43	221	403	249	451	527	307	383	1253	423	377	494	970	918	809	942	535	290	244	199	196	256	208	221	53	11216
53328	53693	2046	2047	0	0	194	2	31	3	2	13	43	221	404	249	453	529	307	383	1254	423	377	494	970	918	810	943	535	290	244	199	196	256	208	221	53	11227
53693	54058	2047	2048	0	0	194	2	31	3	2	14	43	222	404	250	454	530	308	384	1255	424	377	495	971	919	810	943	535	290	244	199	196	256	208	221	53	11238
54058	54424	2048	2049	0	0	195	2	31	3	2	14	43	222	405	251	456	532	309	385	1257	424	377	495	971	919	811	944	535	291	244	199	196	256	208	221	53	11249
54424	54789	2049	2050	0	0	195	2	32	3	2	14	43	223	406	251	457	534	309	385	1258	424	377	495	972	920	811	944	536	291	244	199	196	256	208	221	53	11260
54789	55154	2050	2051	0	0	195	2	32	3	2	14	44	223	406	252	459	535	310	386	1259	425	378	495	972	920	812	945	536	291	244	200	196	256	208	221	53	11271
55154	55519	2051	2052	0	0	195	2	32	3	2	14	44	223	407	252	460	537	310	386	1260	425	378	496	973	921	812	945	536	291	244	200	196	256	208	221	53	11281
55519	55885	2052	2053	0	0	195	2	32	3	2	14	44	224	408	253	461	538	311	387	1261	425	378	496	973	921	813	946	536	291	244	200	196	256	208	221	53	11292
55885	56250	2053	2054	0	0	195	2	32	3	2	14	44	224	408	253	463	539	312	387	1262	426	378	496	974	922	813	946	537	291	244	200	196	256	208	221	53	11302
56250	56615	2054	2055	0	0	195	2	32	3	2	14	44	224	409	254	464	541	312	388	1264	426	378	497	974	922	814	947	537	291	244	200	196	256	208	221	53	11312
56615	56980	2055	2056	0	0	195	2	32	3	2	14	44	225	409	254	465	542	313	388	1265	426	379	497	975	923	814	947	537	292	244	200	196	257	208	221	53	11322
56980	57346	2056	2057	0	0	195	2	32	3	2	14	44	225	410	255	466	544	313	389	1266	426	379	497	975	923	815	948	538	292	244	200	196	257	208	221	53	11332
57346	57711	2057	2058	0	0	195	2	32	3	2	14	44	225	410	255	468	545	314	389	1267	427	379	497	976	924	815	948	538	292	244	200	196	257	208	221	53	11342
57711	58076	2058	2059	0	0	195	2	32	3	2	14	45	226	411	256	469	546	315	390	1268	427	379	498	977	925	816	949	538	292	244	200	196	257	208	221	53	11351
58076	58441	2059	2060	0	0	195	2	32	3	2	14	45	226	411	256	470	547	315	390	1269	427	379	498	977	925	816	949	539	292	244	200	196	257	208	221	53	11361

B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3a) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	195	2	32	3	2	14	45	226	412	257	471	549	316	391	1270	428	379	498	978	926	817	950	539	292	245	200	197	257	208	221	53	11370
58807	59172	2061	2062	0	0	195	2	32	3	2	14	45	226	412	257	472	550	316	391	1271	428	380	498	978	926	817	950	539	293	245	200	197	257	208	221	53	11380
59172	59537	2062	2063	0	0	195	2	32	3	2	15	45	227	413	258	473	551	317	392	1272	428	380	499	979	927	817	951	539	293	245	200	197	257	208	221	53	11389
59537	59902	2063	2064	0	0	195	2	32	3	2	15	45	227	413	258	474	552	317	392	1273	428	380	499	979	927	818	951	540	293	245	200	197	257	208	222	53	11398
59902	60268	2064	2065	0	0	196	2	32	3	2	15	45	227	414	258	475	553	318	393	1274	429	380	499	980	928	818	952	540	293	245	200	197	257	208	222	53	11407
60268	60633	2065	2066	0	0	196	2	32	3	2	15	45	227	414	259	476	554	318	393	1275	429	380	500	980	928	819	952	540	293	245	200	197	257	208	222	53	11416
60633	60998	2066	2067	0	0	196	2	32	3	2	15	45	228	415	259	477	556	319	394	1276	429	381	500	981	929	819	953	541	293	245	200	197	257	208	222	53	11424
60998	61363	2067	2068	0	0	196	2	32	3	2	15	45	228	415	259	478	557	319	394	1277	430	381	500	981	929	820	953	541	294	245	200	197	257	208	222	53	11433
61363	61729	2068	2069	0	0	196	2	32	3	2	15	45	228	415	260	479	558	320	395	1278	430	381	500	982	930	820	954	541	294	245	200	197	257	208	222	53	11441
61729	62094	2069	2070	0	0	196	2	32	3	2	15	46	228	416	260	480	559	320	395	1279	430	381	501	982	930	821	955	542	294	245	200	197	257	208	222	53	11450
62094	62459	2070	2071	0	0	196	2	32	3	2	15	46	229	416	261	481	560	320	395	1280	430	381	501	983	931	821	955	542	294	245	200	197	257	208	222	53	11458
62459	62824	2071	2072	0	0	196	2	32	3	2	15	46	229	417	261	481	561	321	396	1281	431	382	501	984	931	822	956	542	294	245	200	197	257	208	222	53	11466
62824	63190	2072	2073	0	0	196	2	32	3	2	15	46	229	417	261	482	562	321	396	1282	431	382	501	984	932	822	956	542	294	245	200	197	257	208	222	53	11474
63190	63555	2073	2074	0	0	196	2	32	3	2	15	46	229	417	262	483	563	322	397	1283	431	382	502	985	932	823	957	543	295	245	200	197	257	208	222	53	11482
63555	63920	2074	2075	0	0	196	2	32	3	2	15	46	229	418	262	484	564	322	397	1284	431	382	502	985	933	823	957	543	295	245	200	197	257	208	222	53	11490
63920	64285	2075	2076	0	0	196	2	32	3	2	15	46	230	418	262	485	564	323	397	1285	432	382	502	986	933	824	958	543	295	245	200	197	257	208	222	53	11498
64285	64651	2076	2077	0	0	196	2	32	3	2	15	46	230	418	262	485	565	323	398	1286	432	382	502	986	934	824	958	544	295	246	201	197	257	208	222	53	11505
64651	65016	2077	2078	0	0	196	2	32	3	2	15	46	230	419	263	486	566	323	398	1287	432	383	503	987	934	825	959	544	295	246	201	197	257	208	222	53	11513
65016	65381	2078	2079	0	0	196	2	32	3	2	15	46	230	419	263	487	567	324	399	1287	432	383	503	987	935	825	959	544	295	246	201	197	257	208	222	53	11520
65381	65746	2079	2080	0	0	196	2	32	3	2	15	46	230	419	263	487	568	324	399	1288	433	383	503	988	935	826	960	544	295	246	201	197	257	208	222	53	11528
65746	66112	2080	2081	0	0	196	2	32	3	2	15	46	231	420	264	488	569	325	399	1289	433	383	503	988	936	826	960	545	296	246	201	197	257	209	222	53	11535
66112	66477	2081	2082	0	0	196	2	32	3	2	15	46	231	420	264	489	570	325	400	1290	433	383	503	989	936	827	961	545	296	246	201	197	257	209	222	53	11542
66477	66842	2082	2083	0	0	196	2	32	3	2	15	46	231	420	264	489	570	325	400	1291	433	383	504	989	937	827	961	545	296	246	201	197	257	209	222	53	11549
66842	67207	2083	2084	0	0	196	2	32	3	2	15	46	231	421	264	490	571	326	400	1292	434	384	504	989	937	827	962	546	296	246	201	197	257	209	222	53	11556
67207	67573	2084	2085	0	0	196	2	32	3	2	15	47	231	421	265	491	572	326	401	1292	434	384	504	990	938	828	962	546	296	246	201	197	257	209	222	53	11562
67573	67938	2085	2086	0	0	196	2	32	3	2	15	47	231	421	265	491	573	326	401	1293	434	384	504	990	938	828	963	546	296	246	201	197	257	209	222	53	11569
67938	68303	2086	2087	0	0	196	2	32	3	2	15	47	231	421	265	492	573	327	401	1294	434	384	505	991	938	829	963	546	296	246	201	197	257	209	222	53	11576
68303	68668	2087	2088	0	0	196	2	32	3	2	15	47	232	422	265	493	574	327	402	1295	435	384	505	991	939	829	964	547	297	246	201	197	257	209	222	53	11582
68668	69034	2088	2089	0	0	196	2	32	3	2	15	47	232	422	266	493	575	327	402	1296	435	384	505	992	939	830	964	547	297	246	201	197	258	209	222	53	11589
69034	69399	2089	2090	0	0	197	2	32	3	2	16	47	232	422	266	494	576	328	402	1296	435	384	505	992	940	830	964	547	297	246	201	197	258	209	222	53	11595
69399	69764	2090	2091	0	0	197	2	32	3	2	16	47	232	422	266	494	576	328	403	1297	435	385	505	993	940	830	965	547	297	246	201	197	258	209	222	53	11601
69764	70129	2091	2092	0	0	197	2	32	3	2	16	47	232	423	266	495	577	328	403	1298	435	385	506	993	941	831	965	548	297	246	201	197	258	209	222	53	11608
70129	70495	2092	2093	0	0	197	2	32	3	2	16	47	232	423	266	495	578	329	403	1299	436	385	506	994	941	831	966	548	297	246	201	197	258	209	222	53	11614
70495	70860	2093	2094	0	0	197	2	32	3	2	16	47	232	423	267	496	578	329	404	1299	436	385	506	994	942	832	966	548	297	246	201	197	258	209	222	53	11620
70860	71225	2094	2095	0	0	197	2	32	3	2	16	47	232	423	267	496	579	329	404	1300	436	385	506	994	942	832	967	548	298	247	201	197	258	209	222	53	11626
71225	71590	2095	2096	0	0	197	2	32	3	2	16	47	233	423	267	497	580	330	404	1301	436	385	506	995	942	833	967	549	298	247	201	197	258	209	222	53	11632
71590	71956	2096	2097	0	0	197	2	32	3	2	16	47	233	424	267	497	580	330	404	1301	436	385	507	995	943	833	968	549	298	247	201	197	258	209	222	53	11637
71956	72321	2097	2098	0	0	197	2	32	3	2	16	47	233	424	267	498	581	330	405	1302	437	386	507	996	943	833	968	549	298	247	201	197	258	209	223	53	11643
72321	72686	2098	2099	0	0	197	2	32	3	2	16	47	233	424	267	498	581	330	405	1303	437	386	507	996	944	834	969	549	298	247	201	197	258	209	223	53	11649
72686	73051	2099	2100	0	0	197	2	32	3	2	16	47	233	424	268	499	582	331	405	1303	437	386	507	997	944	834	969	550	298	247	201	197	258	209	223	53	11654
73051	73416	2100	2101	0	0	197	2	32	3	2	16	47	233	424	268	499	582	331	405	1304	437	386	507	997	944	835	969	550	298	247	201	197	258	209	223	53	11660
73416	73781	2101	2102	0	0	197	2	32	3	2	16	47	233	425	268	500	583	331	406	1305	437	386	508	997	945	835	970	550	298	247	201	197	258	209	223	53	11665
73781	74146	2102	2103	0	0	197	2	32	3	2	16	47	233	425	268	500	584	331	406	1305	438	386	508	998	945	835	970	550	299	247	201	197	258	209	223	53	11670
74146	74511	2103	2104	0	0	197	2	32	3	2	16	47	233	425	268	501	584	332	406	1306	438	386	508	998	946	836	971	551	299	247	201	197	258	209	223	53	11675
74511	74877	2104	2105	0	0	197	2	32	3	2	16	47	234	425	268	501	585	332	407	1307	438	387	508	999	946	836	971	551	299	247	201	197	258	209	223	53	11681
74877	75242	2105	2106	0	0	197	2	32	3	2	16	47	234	425	269	501	585	332	407	1307	438	387	508	999	946	836	971	551	299	247	201	197	258	209	223	53	11686
75242	75607	2106	2107	0	0	197	2	32	3	2	16	48	234	426	269	502	586	333	407	1308	438	387	509	999	947	837	972	551	299	247	201	198	258	209	223	53	11691
75607	75972	2107	2108	0	0	197	2	33	3	2	16	48	234	426	269	502	586	333	407	1308	439	387	509	1000	947	837	972	552	299	247	201	198	258	209	223	53	11696
75972	76338	2108	2109	0	0	197	2	33	3	2	16	48	234	426	269	503	587	333	407	1309	439	387	509	1000	947	837	973	552	299	247	201	198	258	209	223	53	11701
76338	76703	2109	2110	0	0	197	2	33	3	2	16	48	234	426	269	503	587	333	408	1310	439	387	509	1000	948	838	973	552	299	247	201	198	258	209	223	53	11705
76703	77068	2110	2111	0	0	197	2	33	3	2	16	48	234	426	269	503	588	333	408	1310	439	387	509	1001	948	838	973	552	300	247	201	198	258	209	223	53	11710

B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3a) (Part 3/3)



B-3a (S3a). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 3a)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	3	0	1	0	0	0	0	3	4	2	3	5	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	149
32874	33239	1990	1991	0	0	3	0	1	0	0	0	0	3	4	2	3	5	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	149
33239	33604	1991	1992	0	0	3	0	1	0	0	0	0	3	4	2	3	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	149
33604	33970	1992	1993	0	0	3	0	1	0	0	0	0	3	4	2	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	149
33970	34151	1993	1993.5	0	0	3	0	1	0	0	0	0	3	4	2	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	149
34151	34335	1993.5	1994	0	0	3	0	1	0	0	0	0	3	4	2	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	149
34335	34516	1994	1994.5	0	0	3	0	1	0	0	0	0	3	5	2	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	149
34516	34700	1994.5	1995	0	0	3	0	1	0	0	0	0	3	5	3	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	149
34700	34881	1995	1995.5	0	0	3	0	1	0	0	0	0	3	5	3	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	150
34881	35065	1995.5	1996	0	0	3	0	1	0	0	0	0	3	5	3	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	150
35065	35247	1996	1996.5	0	0	3	0	1	0	0	0	0	3	5	3	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	150
35247	35431	1996.5	1997	0	0	3	0	1	0	0	0	0	3	5	3	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	150
35431	35612	1997	1997.5	0	0	3	0	1	0	0	0	0	3	5	3	4	5	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	151
35612	35796	1997.5	1998	0	0	3	0	1	0	0	0	0	3	5	3	5	6	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	151
35796	35977	1998	1998.5	0	0	3	0	1	0	0	0	0	3	5	3	5	6	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	151
35977	36161	1998.5	1999	0	0	3	0	1	0	0	0	0	3	5	3	5	6	4	5	19	11	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	151
36161	36342	1999	1999.5	0	0	3	0	1	0	0	0	0	3	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	152
36342	36526	1999.5	2000	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	152
36526	36708	2000	2000.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	152
36708	36892	2000.5	2001	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	152
36892	37073	2001	2001.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	152
37073	37257	2001.5	2002	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	152
37257	37438	2002	2002.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	153
37438	37622	2002.5	2003	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	153
37622	37803	2003	2003.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	153
37803	37987	2003.5	2004	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	153
37987	38169	2004	2004.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	153
38169	38353	2004.5	2005	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	153
38353	38534	2005	2005.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	154
38534	38718	2005.5	2006	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	154
38718	38899	2006	2006.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	154
38899	39083	2006.5	2007	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	154
39083	39264	2007	2007.5	0	0	3	0	1	0	0	0	1	4	5	3	5	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	154
39264	39448	2007.5	2008	0	0	3	0	1	0	0	0	1	4	5	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	154
39448	39630	2008	2008.5	0	0	3	0	1	0	0	0	1	4	6	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	154
39630	39814	2008.5	2009	0	0	3	0	1	0	0	0	1	4	6	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	155
39814	39995	2009	2009.5	0	0	3	0	1	0	0	0	1	4	6	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	155
39995	40179	2009.5	2010	0	0	3	0	1	0	0	0	1	4	6	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	155
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

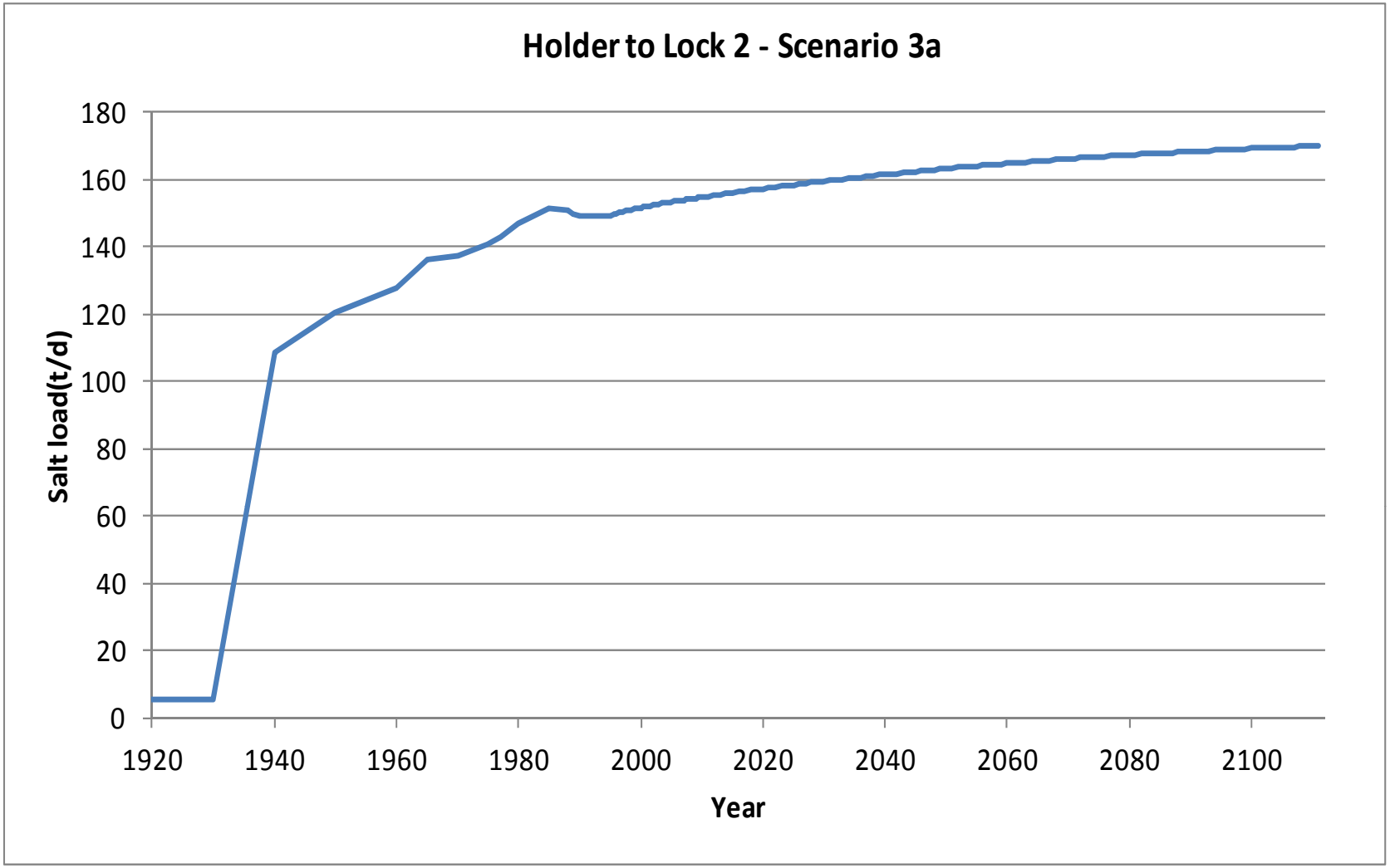
B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3a) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	3	0	1	0	0	0	1	4	6	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	155
40360	40544	2010.5	2011	0	0	3	0	1	0	0	0	1	4	6	3	6	6	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	155
40544	40909	2011	2012	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	155
40909	41275	2012	2013	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	156
41275	41640	2013	2014	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	156
41640	42005	2014	2015	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	156
42005	42370	2015	2016	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	156
42370	42736	2016	2017	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	157
42736	43101	2017	2018	0	0	3	0	1	0	0	0	1	4	6	3	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	157
43101	43466	2018	2019	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	157
43466	43831	2019	2020	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	157
43831	44197	2020	2021	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	158
44197	44562	2021	2022	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	158
44562	44927	2022	2023	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	158
44927	45292	2023	2024	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	158
45292	45658	2024	2025	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	19	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	158
45658	46023	2025	2026	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	159
46023	46388	2026	2027	0	0	3	0	1	0	0	0	1	4	6	4	6	7	4	5	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	159
46388	46753	2027	2028	0	0	3	0	1	0	0	0	1	4	6	4	7	7	4	5	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	159
46753	47119	2028	2029	0	0	3	0	1	0	0	0	1	4	6	4	7	7	4	5	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	159
47119	47484	2029	2030	0	0	3	0	1	0	0	0	1	4	6	4	7	7	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	160
47484	47849	2030	2031	0	0	3	0	1	0	0	0	1	4	6	4	7	7	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	160
47849	48214	2031	2032	0	0	3	0	1	0	0	0	1	5	6	4	7	7	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	160
48214	48580	2032	2033	0	0	3	0	1	0	0	0	1	5	6	4	7	7	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	160
48580	48945	2033	2034	0	0	3	0	1	0	0	0	1	5	6	4	7	7	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	160
48945	49310	2034	2035	0	0	3	0	1	0	0	0	1	5	6	4	7	7	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	161
49310	49675	2035	2036	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	16	16	9	10	6	4	3	3	3	3	3	3	1	161
49675	50041	2036	2037	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	161
50041	50406	2037	2038	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	161
50406	50771	2038	2039	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	161
50771	51136	2039	2040	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	162
51136	51502	2040	2041	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	162
51502	51867	2041	2042	0	0	3	0	1	0	0	0	1	5	6	4	7	8	4	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	162
51867	52232	2042	2043	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	162
52232	52597	2043	2044	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	162
52597	52963	2044	2045	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	162
52963	53328	2045	2046	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	163
53328	53693	2046	2047	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	163
53693	54058	2047	2048	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	163
54058	54424	2048	2049	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	163
54424	54789	2049	2050	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	163
54789	55154	2050	2051	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	163
55154	55519	2051	2052	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	164
55519	55885	2052	2053	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	164
55885	56250	2053	2054	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	164
56250	56615	2054	2055	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	164
56615	56980	2055	2056	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	164
56980	57346	2056	2057	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	164
57346	57711	2057	2058	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
57711	58076	2058	2059	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
58076	58441	2059	2060	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3a) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
58807	59172	2061	2062	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
59172	59537	2062	2063	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
59537	59902	2063	2064	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	165
59902	60268	2064	2065	0	0	3	0	1	0	0	0	1	5	6	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	166
60268	60633	2065	2066	0	0	3	0	1	0	0	0	1	5	7	4	7	8	5	6	20	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	166
60633	60998	2066	2067	0	0	3	0	1	0	0	0	1	5	7	4	7	8	5	6	20	12	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	166
60998	61363	2067	2068	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	166
61363	61729	2068	2069	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	166
61729	62094	2069	2070	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	166
62094	62459	2070	2071	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	166
62459	62824	2071	2072	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	166
62824	63190	2072	2073	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
63190	63555	2073	2074	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
63555	63920	2074	2075	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
63920	64285	2075	2076	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
64285	64651	2076	2077	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
64651	65016	2077	2078	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
65016	65381	2078	2079	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
65381	65746	2079	2080	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
65746	66112	2080	2081	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	20	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	167
66112	66477	2081	2082	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
66477	66842	2082	2083	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
66842	67207	2083	2084	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
67207	67573	2084	2085	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
67573	67938	2085	2086	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
67938	68303	2086	2087	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
68303	68668	2087	2088	0	0	3	0	1	0	0	0	1	5	7	4	8	8	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
68668	69034	2088	2089	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
69034	69399	2089	2090	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
69399	69764	2090	2091	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	168
69764	70129	2091	2092	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
70129	70495	2092	2093	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
70495	70860	2093	2094	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
70860	71225	2094	2095	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
71225	71590	2095	2096	0	0	3	0	1	0	0	0	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
71590	71956	2096	2097	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
71956	72321	2097	2098	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
72321	72686	2098	2099	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
72686	73051	2099	2100	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
73051	73416	2100	2101	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
73416	73781	2101	2102	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
73781	74146	2102	2103	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	169
74146	74511	2103	2104	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
74511	74877	2104	2105	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
74877	75242	2105	2106	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
75242	75607	2106	2107	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
75607	75972	2107	2108	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
75972	76338	2108	2109	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
76338	76703	2109	2110	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
76703	77068	2110	2111	0	0	3	0	1	0	0	1	1	5	7	4	8	9	5	6	21	12	3	4	17	16	9	11	6	4	3	3	3	3	3	3	1	170
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3a) (Part 3/3)



B-3b (S3a). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 3a)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	243	142	214	278	208	300	1081	355	342	466	926	890	778	884	506	270	211	176	183	232	188	206	52	9389
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	245	144	217	278	207	298	1072	349	337	460	915	880	769	875	501	267	209	175	182	231	187	205	52	9311
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	118	247	145	220	277	205	296	1060	343	333	454	904	870	759	863	496	263	207	174	182	231	187	205	52	9227
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	119	249	147	222	277	204	294	1050	338	329	449	893	860	750	854	491	260	205	173	181	230	186	204	52	9155
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	9	121	251	149	227	278	202	291	1039	332	321	440	881	849	740	843	486	257	202	171	179	229	186	204	52	9068
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	9	122	253	151	235	282	201	289	1030	327	316	433	870	839	731	834	482	254	200	170	178	228	185	203	52	9002
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	9	124	256	154	243	286	200	287	1018	321	306	421	857	828	721	823	477	251	195	167	174	227	185	203	52	8906
35247	35431	1996.5	1997	0	0	105	0	13	0	0	2	9	125	258	156	249	290	199	285	1009	316	300	412	844	817	712	814	472	247	193	165	172	225	185	202	52	8829
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	9	127	261	158	254	292	198	282	997	310	294	404	832	806	703	804	468	244	190	163	171	224	184	202	52	8740
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	9	128	263	160	258	293	196	280	988	306	289	397	821	795	694	795	463	241	188	162	169	223	184	201	52	8666
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	9	130	265	162	261	293	194	277	975	300	285	391	809	785	685	784	459	238	185	159	168	222	183	201	52	8578
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	9	131	266	163	264	293	193	275	966	296	281	385	799	775	676	776	454	235	183	158	167	221	183	201	52	8504
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	10	132	268	164	266	293	191	272	954	291	277	379	788	765	667	765	450	232	181	156	167	220	183	200	52	8416
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	10	133	269	165	268	292	189	270	945	287	273	373	777	756	658	757	445	229	179	155	166	219	182	200	52	8343
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	9	132	263	162	264	287	186	267	933	280	269	368	767	746	649	747	439	225	176	153	165	215	175	195	52	8207
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	9	129	258	160	261	282	183	264	923	273	265	363	756	736	641	738	433	220	173	151	163	211	172	192	52	8089
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	8	127	254	158	258	278	180	260	909	266	260	357	746	727	632	728	427	216	169	148	162	209	171	190	52	7971
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	7	125	251	157	256	274	178	258	898	259	255	352	736	717	624	719	422	213	166	147	161	207	169	189	51	7869
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	6	124	249	155	254	271	176	255	889	254	251	347	727	709	616	712	417	210	165	146	160	206	169	188	51	7782
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	6	123	247	155	252	268	174	253	880	248	247	342	718	701	609	705	413	207	163	145	159	205	168	187	51	7702
37622	37803	2003	2003.5	0	0	68	0	8	0	0	1	5	122	246	154	251	266	172	251	873	244	244	338	710	693	602	699	409	204	162	144	159	204	167	187	51	7632
37803	37987	2003.5	2004	0	0	67	0	8	0	0	1	5	121	244	153	250	264	171	249	865	239	240	334	702	686	596	693	406	202	161	143	158	203	167	186	51	7565
37987	38169	2004	2004.5	0	0	67	0	8	0	0	1	5	120	243	152	249	262	169	248	858	235	237	330	695	679	591	687	403	200	160	142	158	203	167	186	51	7505
38169	38353	2004.5	2005	0	0	67	0	8	0	0	1	5	119	242	152	248	261	168	246	851	232	235	326	688	672	585	682	400	198	159	142	157	202	166	185	51	7447
38353	38534	2005	2005.5	0	0	67	0	7	0	0	1	5	118	241	151	247	259	167	245	845	228	232	323	681	666	580	677	397	196	158	141	157	202	166	185	51	7394
38534	38718	2005.5	2006	0	0	66	0	7	0	0	1	5	118	240	151	246	258	166	243	839	225	230	319	675	660	575	673	395	195	157	141	157	201	166	185	51	7344
38718	38899	2006	2006.5	0	0	66	0	7	0	0	1	4	117	240	151	246	257	165	242	833	223	227	316	669	655	570	668	392	193	156	140	156	201	166	184	51	7297
38899	39083	2006.5	2007	0	0	66	0	7	0	0	1	4	117	239	150	245	256	164	241	827	220	225	313	663	650	566	664	390	192	156	139	156	201	165	184	51	7251
39083	39264	2007	2007.5	0	0	66	0	7	0	0	0	4	116	238	150	245	255	163	239	822	218	223	310	658	645	562	660	388	190	155	139	156	200	165	184	51	7209
39264	39448	2007.5	2008	0	0	66	0	7	0	0	0	4	116	237	149	244	254	162	238	817	215	221	307	653	640	558	656	386	189	154	138	155	200	165	183	51	7168
39448	39630	2008	2008.5	0	0	66	0	7	0	0	0	4	115	237	149	244	253	161	237	812	213	219	305	648	635	554	653	384	188	154	138	155	200	165	183	51	7130
39630	39814	2008.5	2009	0	0	66	0	7	0	0	0	4	115	236	149	243	253	160	236	808	211	218	302	643	631	550	649	382	186	153	138	155	200	165	183	51	7093
39814	39995	2009	2009.5	0	0	65	0	7	0	0	0	4	115	236	149	243	251	158	233	795	207	215	299	636	625	544	641	379	185	150	135	154	199	164	183	51	7021
39995	40179	2009.5	2010	0	0	65	0	7	0	0	0	4	114	235	148	242	249	157	231	788	204	213	295	628	618	538	634	376	183	149	135	153	198	164	183	51	6961

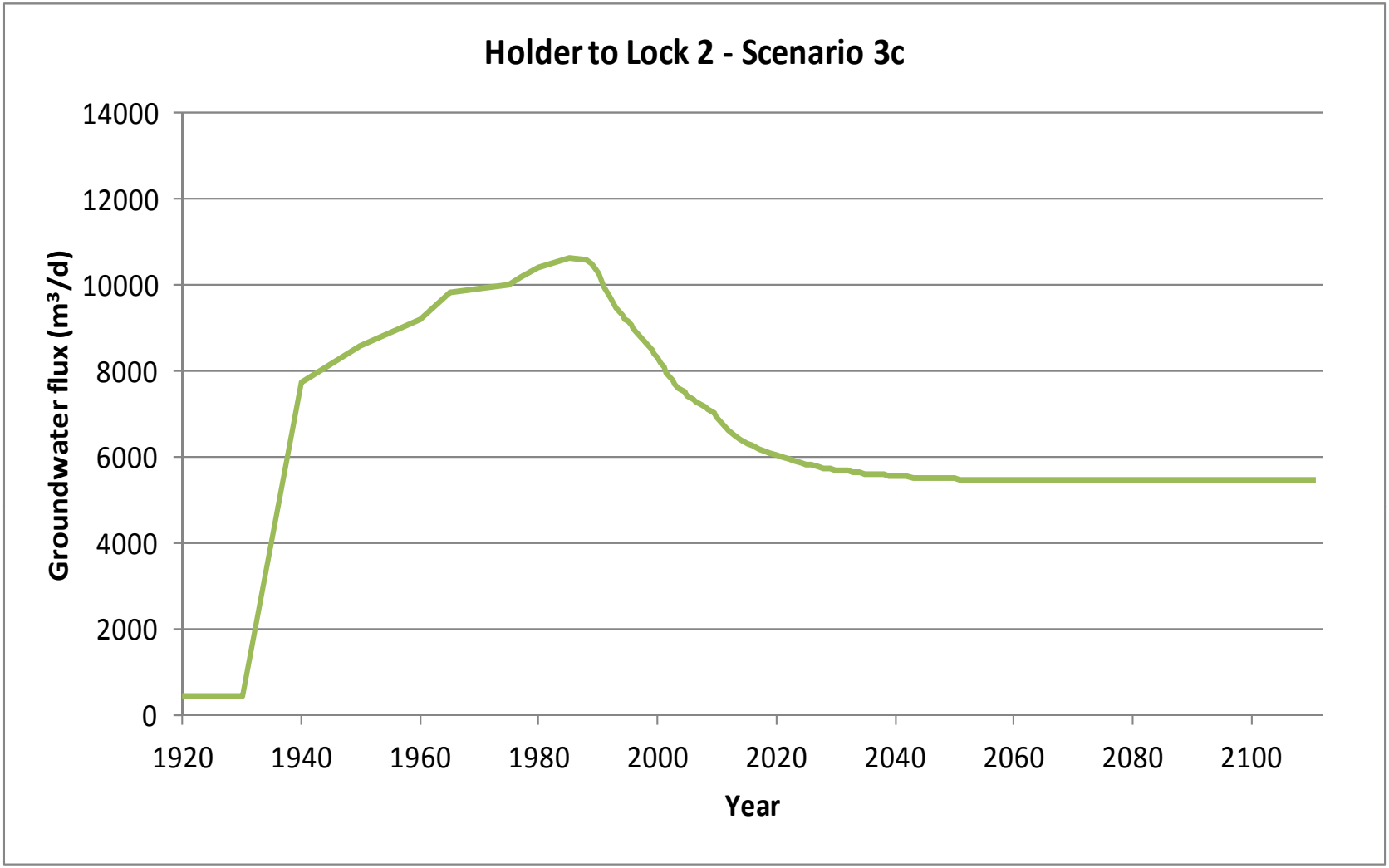
B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3c) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	65	0	7	0	0	0	4	108	224	148	242	247	154	227	773	199	209	291	618	610	530	623	372	180	145	132	153	198	164	182	51	6857
40360	40544	2010.5	2011	0	0	65	0	7	0	0	0	4	101	215	147	241	245	152	225	765	195	206	286	609	602	522	615	368	178	144	131	152	197	164	182	51	6770
40544	40909	2011	2012	0	0	65	0	7	0	0	0	3	90	203	145	239	242	150	222	752	189	201	279	594	587	509	602	361	174	142	130	151	196	163	181	51	6630
40909	41275	2012	2013	0	0	65	0	7	0	0	0	2	83	195	143	237	240	148	220	742	184	197	272	581	575	499	591	355	170	140	129	151	195	163	181	51	6515
41275	41640	2013	2014	0	0	65	0	7	0	0	0	2	77	189	141	235	238	146	218	732	180	193	267	569	564	490	583	350	167	139	128	150	195	162	180	51	6419
41640	42005	2014	2015	0	0	65	0	7	0	0	0	2	74	185	140	234	236	145	216	723	176	190	262	559	555	482	575	346	164	138	127	150	194	162	180	51	6336
42005	42370	2015	2016	0	0	65	0	7	0	0	0	1	71	182	138	233	234	144	214	715	172	187	257	550	546	475	568	342	162	137	127	149	194	162	180	51	6262
42370	42736	2016	2017	0	0	65	0	7	0	0	0	1	69	179	138	232	233	143	213	708	169	185	253	542	538	468	562	339	160	136	126	149	193	161	179	51	6196
42736	43101	2017	2018	0	0	64	0	7	0	0	0	1	67	177	137	231	232	142	211	701	166	182	249	534	531	462	556	336	158	135	126	148	193	161	179	51	6137
43101	43466	2018	2019	0	0	64	0	7	0	0	0	1	65	176	136	231	231	141	210	695	163	180	246	527	525	457	551	333	156	134	125	148	192	161	178	51	6083
43466	43831	2019	2020	0	0	64	0	7	0	0	0	1	64	174	136	230	230	140	208	689	161	178	243	521	519	452	546	330	154	134	125	148	192	161	178	51	6035
43831	44197	2020	2021	0	0	64	0	7	0	0	0	1	63	173	136	230	230	139	207	683	159	176	240	515	513	447	542	327	153	133	124	147	192	160	178	51	5990
44197	44562	2021	2022	0	0	64	0	7	0	0	0	1	63	173	135	230	229	138	206	678	156	174	238	510	508	443	537	325	151	132	124	147	191	160	178	51	5949
44562	44927	2022	2023	0	0	64	0	7	0	0	0	1	62	172	135	230	229	137	205	674	155	173	235	505	504	439	534	323	150	132	123	147	191	160	177	50	5911
44927	45292	2023	2024	0	0	64	0	7	0	0	0	1	61	171	135	230	228	137	204	669	153	171	233	500	499	435	530	321	149	131	123	147	191	160	177	50	5877
45292	45658	2024	2025	0	0	64	0	7	0	0	0	1	61	171	135	230	228	136	203	665	151	170	231	496	495	431	527	319	147	131	123	147	191	160	177	50	5844
45658	46023	2025	2026	0	0	64	0	7	0	0	0	1	60	171	135	230	227	135	202	661	150	169	229	492	492	428	523	317	146	130	122	146	190	159	177	50	5815
46023	46388	2026	2027	0	0	64	0	7	0	0	0	1	60	170	135	231	227	135	201	658	148	168	227	488	488	425	520	315	145	130	122	146	190	159	176	50	5787
46388	46753	2027	2028	0	0	64	0	7	0	0	0	1	60	170	135	231	227	134	200	654	147	167	225	485	485	423	518	314	144	129	122	146	190	159	176	50	5762
46753	47119	2028	2029	0	0	64	0	7	0	0	0	1	60	170	135	231	227	134	200	651	146	166	224	481	482	420	515	312	143	129	121	146	190	159	176	50	5738
47119	47484	2029	2030	0	0	64	0	7	0	0	0	1	59	170	135	231	227	133	199	648	144	165	223	478	479	417	513	311	143	129	121	146	189	159	176	50	5717
47484	47849	2030	2031	0	0	64	0	7	0	0	0	1	59	170	135	232	227	133	198	645	143	164	221	476	476	415	510	309	142	128	121	145	189	159	176	50	5697
47849	48214	2031	2032	0	0	64	0	7	0	0	0	1	59	170	135	232	227	133	198	643	142	163	220	473	474	413	508	308	141	128	121	145	189	159	176	50	5678
48214	48580	2032	2033	0	0	64	0	6	0	0	0	1	59	170	136	233	227	132	197	640	141	162	219	470	472	411	506	307	140	128	121	145	189	159	175	50	5660
48580	48945	2033	2034	0	0	64	0	6	0	0	0	1	59	170	136	233	227	132	197	638	140	162	218	468	469	409	504	306	140	127	120	145	189	158	175	50	5644
48945	49310	2034	2035	0	0	64	0	6	0	0	0	1	59	170	136	233	227	132	196	636	140	161	217	466	467	407	503	305	139	127	120	145	189	158	175	50	5629
49310	49675	2035	2036	0	0	64	0	6	0	0	0	1	59	170	136	234	227	132	196	634	139	160	216	464	466	406	501	304	139	127	120	145	189	158	175	50	5615
49675	50041	2036	2037	0	0	64	0	6	0	0	0	1	59	170	136	234	227	131	195	632	138	160	215	462	464	404	500	303	138	127	120	145	189	158	175	50	5602
50041	50406	2037	2038	0	0	64	0	6	0	0	0	1	59	170	136	235	227	131	195	630	137	159	214	460	462	403	498	302	137	126	120	145	188	158	175	50	5591
50406	50771	2038	2039	0	0	64	0	6	0	0	0	1	59	170	137	235	227	131	195	628	137	159	213	459	461	402	497	301	137	126	120	145	188	158	175	50	5579
50771	51136	2039	2040	0	0	64	0	6	0	0	0	1	59	171	137	236	227	131	194	627	136	158	212	457	459	400	495	300	137	126	120	144	188	158	175	50	5569
51136	51502	2040	2041	0	0	64	0	6	0	0	0	1	59	171	137	236	227	130	194	625	136	158	212	456	458	399	494	300	136	126	119	144	188	158	175	50	5560
51502	51867	2041	2042	0	0	64	0	6	0	0	0	1	59	171	137	237	228	130	194	624	135	157	211	454	456	398	493	299	136	126	119	144	188	158	175	50	5551
51867	52232	2042	2043	0	0	64	0	6	0	0	0	1	59	171	137	237	228	130	193	623	135	157	210	453	455	397	492	298	135	126	119	144	188	158	174	50	5543
52232	52597	2043	2044	0	0	64	0	6	0	0	0	1	59	171	138	238	228	130	193	621	134	157	210	452	454	396	491	298	135	125	119	144	188	158	174	50	5535
52597	52963	2044	2045	0	0	64	0	6	0	0	0	1	59	172	138	238	228	130	193	620	134	156	209	451	453	395	490	297	135	125	119	144	188	158	174	50	5528
52963	53328	2045	2046	0	0	64	0	6	0	0	0	1	60	172	138	238	228	130	193	619	133	156	209	450	452	394	489	297	134	125	119	144	188	158	174	50	5522
53328	53693	2046	2047	0	0	64	0	6	0	0	0	1	60	172	138	239	229	130	193	618	133	156	208	449	451	393	488	296	134	125	119	144	188	158	174	50	5516
53693	54058	2047	2048	0	0	64	0	6	0	0	0	1	60	172	139	239	229	130	192	617	133	155	208	448	450	393	488	296	134	125	119	144	188	158	174	50	5510
54058	54424	2048	2049	0	0	64	0	6	0	0	0	1	60	172	139	240	229	130	192	616	132	155	208	447	450	392	487	295	134	125	119	144	188	158	174	50	5505
54424	54789	2049	2050	0	0	64	0	6	0	0	0	1	60	173	139	240	229	130	192	615	132	155	207	446	449	391	486	295	133	125	119	144	188	158	174	50	5500
54789	55154	2050	2051	0	0	64	0	6	0	0	0	1	60	173	139	241	229	130	192	615	132	155	207	446	448	391	486	294	133	125	119	144	187	157	174	50	5496
55154	55519	2051	2052	0	0	64	0	6	0	0	0	1	60	173	139	241	230	129	192	614	132	154	207	445	447	390	485	294	133	125	119	144	187	157	174	50	5492
55519	55885	2052	2053	0	0	64	0	6	0	0	0	1	60	173	140	242	230	129	192	613	131	154	206	444	447	390	484	294	133	124	119	144	187	157	174	50	5489
55885	56250	2053	2054	0	0	64	0	6	0	0	0	1	60	174	140	242	230	129	191	613	131	154	206	444	446	389	484	293	133	124	118	144	187	157	174	50	5485
56250	56615	2054	2055	0	0	64	0	6	0	0	0	1	60	174	140	242	230	129	191	612	131	154	206	443	446	389	483	293	132	124	118	144	187	157	174	50	5483
56615	56980	2055	2056	0	0	64	0	6	0	0	0	1	61	174	140	243	231	129	191	612	131	154	205	442	445	388	483	293	132	124	118	144	187	157	174	50	5480
56980	57346	2056	2057	0	0	64	0	6	0	0	0	1	61	174	140	243	231	129	191	611	131	154	205	442	445	388	483	293	132	124	118	144	187	157	174	50	5477
57346	57711	2057	2058	0	0	64	0	6	0	0	0	1	61	174	141	244	231	129	191	611	130	153	205	442	444	387	482	292	132	124	118	144	187	157	174	50	5475
57711	58076	2058	2059	0	0	64	0	6	0	0	0	1	61	175	141	244	231	129	191	610	130	153	205	441	444	387	482	292	132	124	118	144	187	157	174	50	5473
58076	58441	2059	2060	0	0	64	0	6	0	0	0	1	61	175	141	244	232	129	191	610	130	153	205	441	443	387	481	292	132	124	118	144	187	157	174	50	5472

B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3c) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	64	0	6	0	0	0	1	61	175	141	245	232	129	191	610	130	153	204	440	443	386	481	292	132	124	118	144	187	157	174	50	5470
58807	59172	2061	2062	0	0	64	0	6	0	0	0	1	61	175	141	245	232	129	191	609	130	153	204	440	443	386	481	292	131	124	118	144	187	157	174	50	5469
59172	59537	2062	2063	0	0	64	0	6	0	0	0	1	61	175	141	246	232	129	191	609	130	153	204	440	442	386	481	291	131	124	118	144	187	157	174	50	5468
59537	59902	2063	2064	0	0	64	0	6	0	0	0	1	61	176	142	246	233	130	191	609	130	153	204	439	442	385	480	291	131	124	118	144	187	157	174	50	5467
59902	60268	2064	2065	0	0	64	0	6	0	0	0	1	61	176	142	246	233	130	191	608	129	153	204	439	442	385	480	291	131	124	118	144	187	157	174	50	5466
60268	60633	2065	2066	0	0	64	0	6	0	0	0	1	62	176	142	247	233	130	191	608	129	153	204	439	442	385	480	291	131	124	118	143	187	157	174	50	5465
60633	60998	2066	2067	0	0	64	0	6	0	0	0	1	62	176	142	247	234	130	191	608	129	153	204	439	441	385	480	291	131	124	118	143	187	157	173	50	5465
60998	61363	2067	2068	0	0	64	0	6	0	0	0	1	62	176	142	247	234	130	191	608	129	152	203	438	441	385	479	291	131	124	118	143	187	157	173	50	5464
61363	61729	2068	2069	0	0	64	0	6	0	0	0	1	62	177	142	248	234	130	191	608	129	152	203	438	441	385	479	291	131	124	118	143	187	157	173	50	5464
61729	62094	2069	2070	0	0	64	0	6	0	0	0	1	62	177	143	248	234	130	191	607	129	152	203	438	441	384	479	290	131	124	118	143	187	157	173	50	5464
62094	62459	2070	2071	0	0	64	0	6	0	0	0	1	62	177	143	248	235	130	191	607	129	152	203	438	441	384	479	290	131	124	118	143	187	157	173	50	5464
62459	62824	2071	2072	0	0	64	0	6	0	0	0	1	62	177	143	249	235	130	191	607	129	152	203	438	441	384	479	290	131	124	118	143	187	157	173	50	5464
62824	63190	2072	2073	0	0	64	0	6	0	0	0	1	62	177	143	249	235	130	191	607	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5464
63190	63555	2073	2074	0	0	64	0	6	0	0	0	1	62	177	143	249	235	130	191	607	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5464
63555	63920	2074	2075	0	0	64	0	6	0	0	0	1	62	178	143	250	236	130	191	607	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5464
63920	64285	2075	2076	0	0	64	0	6	0	0	0	1	63	178	143	250	236	130	191	607	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5465
64285	64651	2076	2077	0	0	64	0	6	0	0	0	1	63	178	144	250	236	130	191	607	129	152	203	437	440	384	478	290	131	124	118	143	187	157	173	50	5465
64651	65016	2077	2078	0	0	64	0	6	0	0	0	1	63	178	144	250	236	130	191	607	129	152	203	437	440	384	478	290	131	124	118	143	187	157	173	50	5465
65016	65381	2078	2079	0	0	64	0	6	0	0	0	1	63	178	144	251	236	130	191	607	129	152	203	437	440	384	478	290	131	124	118	143	187	157	173	50	5466
65381	65746	2079	2080	0	0	64	0	6	0	0	0	1	63	178	144	251	237	130	191	607	129	152	203	437	440	383	478	290	130	124	118	143	187	157	173	50	5467
65746	66112	2080	2081	0	0	64	0	6	0	0	0	1	63	178	144	251	237	130	191	607	129	152	203	437	440	383	478	290	130	124	118	143	187	157	173	50	5467
66112	66477	2081	2082	0	0	64	0	6	0	0	0	1	63	179	144	252	237	130	191	607	129	152	203	437	440	383	478	290	130	124	118	143	187	157	173	50	5468
66477	66842	2082	2083	0	0	64	0	6	0	0	0	1	63	179	144	252	237	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5469
66842	67207	2083	2084	0	0	64	0	6	0	0	0	1	63	179	144	252	238	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5470
67207	67573	2084	2085	0	0	64	0	6	0	0	0	1	63	179	145	252	238	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5470
67573	67938	2085	2086	0	0	64	0	6	0	0	0	1	63	179	145	253	238	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5471
67938	68303	2086	2087	0	0	64	0	6	0	0	0	1	63	179	145	253	238	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5472
68303	68668	2087	2088	0	0	64	0	6	0	0	0	1	63	179	145	253	238	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5473
68668	69034	2088	2089	0	0	64	0	6	0	0	0	1	63	180	145	253	239	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5474
69034	69399	2089	2090	0	0	64	0	6	0	0	0	1	64	180	145	254	239	131	191	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5475
69399	69764	2090	2091	0	0	64	0	6	0	0	0	1	64	180	145	254	239	131	192	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5476
69764	70129	2091	2092	0	0	64	0	6	0	0	0	1	64	180	145	254	239	131	192	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5477
70129	70495	2092	2093	0	0	64	0	6	0	0	0	1	64	180	145	254	240	131	192	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5478
70495	70860	2093	2094	0	0	64	0	6	0	0	0	1	64	180	146	254	240	131	192	607	129	152	203	437	440	383	478	290	130	123	118	143	187	157	173	50	5479
70860	71225	2094	2095	0	0	64	0	6	0	0	0	1	64	180	146	255	240	131	192	608	129	152	203	437	440	384	478	290	130	123	118	143	187	157	173	50	5480
71225	71590	2095	2096	0	0	64	0	6	0	0	0	1	64	180	146	255	240	131	192	608	129	152	203	437	440	384	478	290	130	123	118	143	187	157	173	50	5482
71590	71956	2096	2097	0	0	64	0	6	0	0	0	1	64	180	146	255	240	131	192	608	129	152	203	437	440	384	478	290	130	123	118	143	187	157	173	50	5483
71956	72321	2097	2098	0	0	64	0	6	0	0	0	1	64	180	146	255	241	132	192	608	129	152	203	437	440	384	478	290	131	124	118	143	187	157	173	50	5484
72321	72686	2098	2099	0	0	64	0	6	0	0	0	1	64	181	146	255	241	132	192	608	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5485
72686	73051	2099	2100	0	0	64	0	6	0	0	0	1	64	181	146	256	241	132	192	608	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5486
73051	73416	2100	2101	0	0	64	0	6	0	0	0	1	64	181	146	256	241	132	192	608	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5487
73416	73781	2101	2102	0	0	64	0	6	0	0	0	1	64	181	146	256	241	132	192	608	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5488
73781	74146	2102	2103	0	0	64	0	6	0	0	0	1	64	181	146	256	241	132	192	608	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5490
74146	74511	2103	2104	0	0	64	0	6	0	0	0	1	64	181	146	256	242	132	192	608	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5491
74511	74877	2104	2105	0	0	64	0	6	0	0	0	1	64	181	146	257	242	132	192	609	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5492
74877	75242	2105	2106	0	0	64	0	6	0	0	0	1	64	181	147	257	242	132	192	609	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5493
75242	75607	2106	2107	0	0	64	0	6	0	0	0	1	64	181	147	257	242	132	192	609	129	152	203	437	440	384	479	290	131	124	118	143	187	157	173	50	5494
75607	75972	2107	2108	0	0	64	0	6	0	0	0	1	64	181	147	257	242	132	193	609	129	152	203	437	441	384	479	290	131	124	118	143	187	157	173	50	5496
75972	76338	2108	2109	0	0	64	0	6	0	0	0	1	65	181	147	257	242	132	193	609	129	152	203	438	441	384	479	290	131	124	118	143	187	157	173	50	5497
76338	76703	2109	2110	0	0	64	0	6	0	0	0	1	65	182	147	257	243	132	193	609	129	152	203	438	441	384	479	290	131	124	118	143	187	157	173	50	5498
76703	77068	2110	2111	0	0	64	0	6	0	0	0	1	65	182	147	258	243	132	193	609	129	152	203	438	441	384	479	290	131	124	118	143	187	157	173	50	5499

B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3c) (Part 3/3)



B-3a (S3c). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 3c)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	134
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	9	2	3	16	15	8	10	6	4	3	2	2	3	3	3	1	133
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	9	2	3	15	15	8	9	5	4	3	2	2	3	3	3	1	132
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	4	17	9	2	3	15	15	8	9	5	4	3	2	2	3	3	3	1	131
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	3	4	2	4	4	3	4	17	9	2	3	15	15	8	9	5	3	3	2	2	3	3	3	1	129
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	4	4	3	4	16	9	2	3	15	14	8	9	5	3	3	2	2	3	3	3	1	129
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	4	4	3	4	16	9	2	3	15	14	8	9	5	3	3	2	2	3	3	3	1	127
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	16	8	2	3	14	14	8	9	5	3	3	2	2	3	3	3	1	126
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	16	8	2	3	14	14	8	9	5	3	3	2	2	3	2	3	1	125
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	16	8	2	3	14	14	8	9	5	3	3	2	2	3	2	3	1	124
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	16	8	2	3	14	13	8	9	5	3	3	2	2	3	2	3	1	123
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	14	13	7	9	5	3	2	2	2	3	2	3	1	122
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	121
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	120
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	118
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	7	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	116
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	7	2	3	13	12	7	8	5	3	2	2	2	3	2	3	1	114
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	7	2	3	13	12	7	8	5	3	2	2	2	3	2	3	1	113
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	7	2	3	12	12	7	8	5	3	2	2	2	3	2	3	1	111
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	7	2	3	12	12	7	8	5	3	2	2	2	3	2	3	1	110
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	7	2	2	12	12	7	8	5	3	2	2	2	3	2	3	1	109
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	6	2	2	12	12	7	8	4	3	2	2	2	3	2	3	1	108
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	14	6	2	2	12	12	6	8	4	3	2	2	2	3	2	3	1	107
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	3	4	2	4	4	2	4	14	6	2	2	12	11	6	8	4	3	2	2	2	3	2	3	1	106
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	12	11	6	7	4	3	2	2	2	3	2	3	1	106
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	12	11	6	7	4	3	2	2	2	3	2	3	1	105
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	104
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	104
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	103
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	102
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	102
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	3	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	101
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	3	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	2	1	100
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	3	13	5	2	2	11	11	6	7	4	2	2	2	2	3	2	2	1	99
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

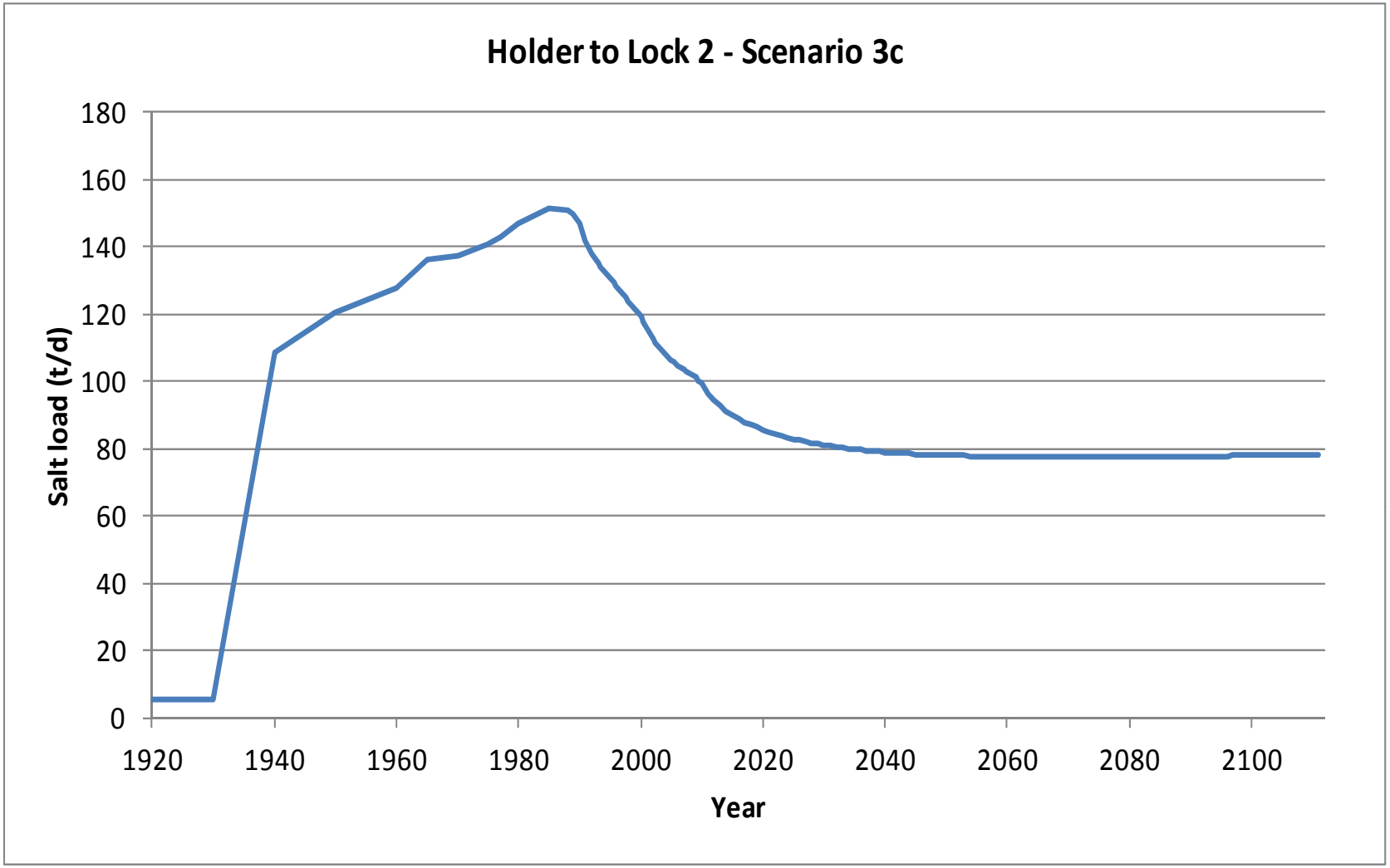
B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3c) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	2	4	2	4	4	2	3	12	5	2	2	11	10	6	7	4	2	2	2	2	3	2	2	1	98
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	2	3	2	4	4	2	3	12	5	2	2	10	10	6	7	4	2	2	2	2	3	2	2	1	97
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	2	3	2	4	4	2	3	12	5	1	2	10	10	6	7	4	2	2	2	2	3	2	2	1	94
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	2	3	2	4	4	2	3	12	5	1	2	10	10	5	7	4	2	2	2	2	3	2	2	1	93
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	2	3	2	4	4	2	3	12	5	1	2	10	10	5	6	4	2	2	2	2	3	2	2	1	91
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	2	3	2	4	3	2	3	12	5	1	2	10	9	5	6	4	2	2	2	2	3	2	2	1	90
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	5	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	89
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	5	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	88
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	87
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	86
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	86
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	85
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	84
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	84
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	9	9	5	6	4	2	2	2	2	3	2	2	1	83
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	8	8	5	6	4	2	2	2	2	3	2	2	1	83
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	11	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	83
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	82
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	82
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	81
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	81
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	81
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	81
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	80
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	5	6	3	2	2	2	2	3	2	2	1	80
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	6	3	2	2	2	2	3	2	2	1	80
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	6	3	2	2	2	2	3	2	2	1	80
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	80
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	79
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	4	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3c) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	2	8	8	4	5	3	2	2	2	2	3	2	2	1	78
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	1	3	2	4	3	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	1	3	2	4	4	2	3	10	3	1	1	7	8	4	5	3	2	2	2	2	3	2	2	1	78
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 3c) (Part 3/3)



B-3b (S3c). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 3c)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	243	142	214	278	208	300	1081	355	342	466	926	890	778	884	506	270	211	176	183	232	188	206	52	9389
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	245	144	217	278	207	298	1072	349	337	460	915	880	769	875	501	267	209	175	182	231	187	205	52	9311
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	118	247	145	220	277	205	296	1060	343	333	454	904	870	759	863	496	263	207	174	182	231	187	205	52	9227
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	119	249	147	222	277	204	294	1050	338	329	449	893	860	750	854	491	260	205	173	181	230	186	204	52	9155
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	9	121	251	149	227	278	202	291	1039	332	321	440	881	849	740	843	486	257	202	171	179	229	186	204	52	9068
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	9	122	253	151	235	282	201	289	1030	327	316	433	870	839	731	834	482	254	200	170	178	228	185	203	52	9002
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	9	124	256	154	243	286	200	287	1018	321	306	421	857	828	721	823	477	251	195	167	174	227	185	203	52	8906
35247	35431	1996.5	1997	0	0	105	0	13	0	0	2	9	125	258	156	249	290	199	285	1009	316	300	412	844	817	712	814	472	247	193	165	172	225	185	202	52	8829
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	9	127	261	158	254	292	198	282	997	310	294	404	832	806	703	804	468	244	190	163	171	224	184	202	52	8740
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	9	128	263	160	258	293	196	280	988	306	289	397	821	795	694	795	463	241	188	162	169	223	184	201	52	8666
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	9	130	265	162	261	293	194	277	975	300	285	391	809	785	685	784	459	238	185	159	168	222	183	201	52	8578
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	9	131	266	163	264	293	193	275	966	296	281	385	799	775	676	776	454	235	183	158	167	221	183	201	52	8504
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	10	132	268	164	266	293	191	272	954	291	277	379	788	765	667	765	450	232	181	156	167	220	183	200	52	8416
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	10	133	269	165	268	292	189	270	945	287	273	373	777	756	658	757	445	229	179	155	166	219	182	200	52	8343
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	9	132	267	162	264	287	186	267	933	280	269	368	767	746	649	747	439	225	176	153	165	215	175	195	52	8212
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	9	130	264	160	261	282	183	264	923	273	265	363	756	736	641	738	433	220	173	151	163	211	172	192	52	8098
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	8	129	263	160	259	278	180	260	909	266	260	357	746	727	632	728	427	216	169	148	162	209	171	190	52	7985
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	7	129	263	160	257	274	178	258	898	259	255	352	736	717	624	719	422	213	166	147	161	207	169	189	51	7890
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	7	129	263	160	257	271	176	255	889	254	251	347	727	709	616	712	417	210	165	146	160	206	169	188	51	7809
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	6	129	264	160	256	269	174	253	881	248	247	342	718	701	609	705	413	207	163	145	159	205	168	187	51	7737
37622	37803	2003	2003.5	0	0	68	0	8	0	0	1	6	129	264	160	256	268	172	251	873	244	244	338	710	693	602	699	409	204	162	144	159	204	167	187	51	7672
37803	37987	2003.5	2004	0	0	67	0	8	0	0	1	6	129	265	161	256	266	171	249	865	239	240	334	702	686	596	693	406	202	161	143	158	203	167	186	51	7612
37987	38169	2004	2004.5	0	0	67	0	8	0	0	1	6	129	265	161	256	265	170	248	858	235	237	330	695	679	591	687	403	200	160	142	158	203	167	186	51	7557
38169	38353	2004.5	2005	0	0	67	0	8	0	0	1	6	130	266	161	257	264	168	246	851	232	235	326	688	672	585	682	400	198	159	142	157	202	166	185	51	7505
38353	38534	2005	2005.5	0	0	67	0	7	0	0	1	6	131	272	166	260	265	167	245	845	243	242	323	682	667	580	677	400	199	168	143	158	208	168	186	51	7526
38534	38718	2005.5	2006	0	0	68	0	7	0	0	1	6	132	275	167	262	266	167	244	840	243	242	321	676	662	576	673	398	200	170	144	160	210	169	186	51	7517
38718	38899	2006	2006.5	0	0	69	0	8	0	0	1	6	133	277	168	264	267	167	243	835	242	241	318	671	657	572	670	397	199	171	145	161	212	170	187	51	7502
38899	39083	2006.5	2007	0	0	70	0	8	0	0	1	6	134	279	169	266	268	167	242	830	240	240	316	666	652	568	666	395	199	172	146	162	213	170	187	51	7483
39083	39264	2007	2007.5	0	0	71	0	8	0	0	1	6	135	280	170	267	269	166	242	825	239	240	316	661	648	564	662	394	199	172	147	163	214	171	187	51	7468
39264	39448	2007.5	2008	0	0	72	0	8	0	0	1	7	135	281	170	269	270	166	241	821	238	239	314	656	644	561	659	393	199	173	147	163	214	171	188	51	7452
39448	39630	2008	2008.5	0	0	74	0	8	0	0	1	7	136	282	171	270	271	166	240	817	237	239	313	652	640	557	656	392	198	173	147	164	215	171	188	51	7437
39630	39814	2008.5	2009	0	0	75	0	8	0	0	1	7	137	284	172	271	272	166	240	813	236	238	311	648	636	554	653	392	198	173	147	164	215	172	188	51	7421
39814	39995	2009	2009.5	0	0	76	0	8	0	0	2	8	142	287	173	273	272	164	237	801	233	236	309	641	631	548	645	390	197	171	146	164	215	172	188	51	7377
39995	40179	2009.5	2010	0	0	77	0	8	0	0	2	9	145	289	173	274	272	163	235	795	231	235	306	634	625	543	639	388	196	170	146	164	215	172	188	51	7344

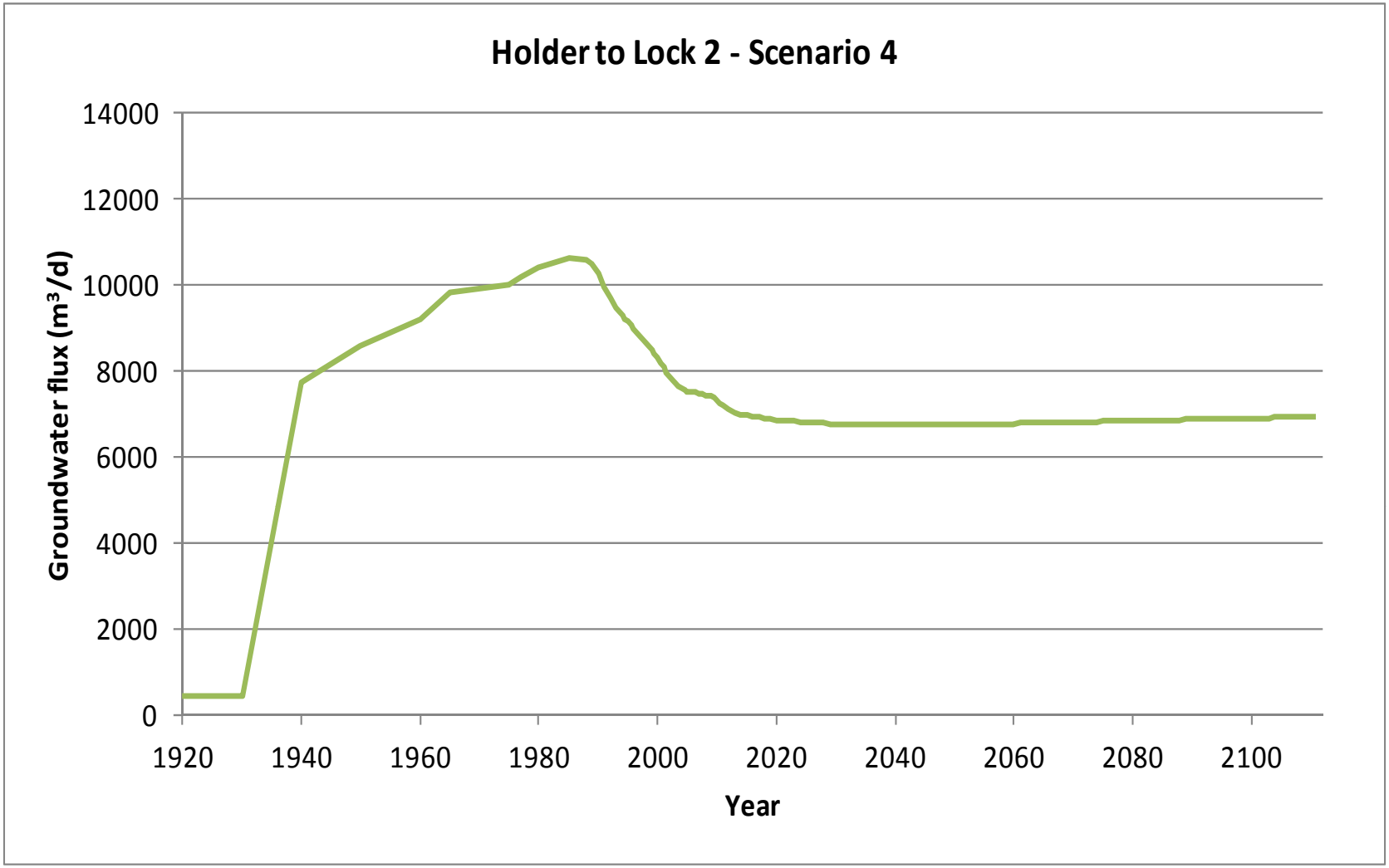
B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 4) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	77	0	8	0	0	3	10	142	280	174	275	271	161	232	781	227	232	302	625	618	535	630	385	194	167	144	163	215	172	188	51	7263
40360	40544	2010.5	2011	0	0	78	0	8	0	0	3	12	138	273	174	276	271	160	230	774	224	230	299	617	610	528	622	381	192	166	143	163	214	172	188	51	7198
40544	40909	2011	2012	0	0	79	0	8	0	0	5	12	132	266	174	278	271	159	228	763	221	232	293	603	597	516	610	376	189	165	143	163	214	172	188	51	7108
40909	41275	2012	2013	0	0	80	0	9	0	0	6	13	128	261	174	279	272	158	227	753	218	230	289	591	586	507	601	372	186	164	143	163	214	171	188	51	7034
41275	41640	2013	2014	0	0	81	0	9	0	0	6	13	128	262	174	281	273	158	226	746	226	233	286	581	577	499	594	368	184	164	143	163	214	172	188	51	7000
41640	42005	2014	2015	0	0	82	0	10	0	0	7	13	127	261	174	283	275	158	225	740	227	236	285	573	569	492	588	365	182	164	144	164	214	172	188	51	6970
42005	42370	2015	2016	0	0	83	0	10	0	0	7	13	127	260	175	286	277	158	224	734	227	237	284	567	563	486	582	362	181	164	145	164	214	172	187	51	6944
42370	42736	2016	2017	0	0	84	0	10	0	0	8	14	127	261	176	289	279	158	224	729	229	238	283	561	557	481	577	359	180	164	146	165	214	172	187	51	6923
42736	43101	2017	2018	0	0	84	0	10	1	1	8	14	128	261	177	292	282	159	224	724	229	238	282	555	552	476	572	357	179	164	147	166	216	172	187	51	6906
43101	43466	2018	2019	0	0	85	0	10	1	1	8	14	128	262	178	295	284	159	223	720	228	238	281	550	548	472	568	354	178	165	147	167	217	172	187	51	6890
43466	43831	2019	2020	0	0	85	0	11	1	1	8	15	129	264	179	298	286	159	223	715	227	238	280	546	544	468	564	352	177	165	148	168	218	172	187	51	6876
43831	44197	2020	2021	0	0	86	0	11	1	1	9	15	130	265	180	301	289	159	222	712	226	237	279	542	540	464	560	350	176	165	149	168	218	172	187	51	6863
44197	44562	2021	2022	0	0	86	0	11	1	1	9	15	131	267	182	304	291	160	222	708	225	236	278	538	536	461	557	348	175	165	149	169	218	172	186	51	6850
44562	44927	2022	2023	0	0	86	0	11	1	1	9	16	132	268	183	307	293	160	222	705	224	236	277	534	533	457	554	347	174	165	150	169	218	172	186	51	6839
44927	45292	2023	2024	0	0	86	0	11	1	1	9	16	133	270	184	309	295	160	222	702	223	235	276	531	530	454	551	345	174	165	150	169	218	172	186	51	6828
45292	45658	2024	2025	0	0	87	0	11	1	1	9	16	133	271	185	312	297	161	222	700	222	235	275	528	527	452	548	343	173	165	150	170	218	172	186	51	6819
45658	46023	2025	2026	0	0	87	0	11	1	1	9	17	134	272	186	314	299	161	221	698	221	234	274	525	524	449	546	342	172	165	151	170	218	172	186	51	6810
46023	46388	2026	2027	0	0	87	0	11	1	1	9	17	135	273	187	317	301	161	221	695	220	233	273	522	522	447	543	341	172	165	151	170	218	172	186	51	6802
46388	46753	2027	2028	0	0	87	0	11	1	1	10	17	136	275	188	319	303	161	221	693	220	233	272	520	519	445	541	339	171	165	151	170	218	171	186	51	6794
46753	47119	2028	2029	0	0	88	0	11	1	1	10	17	136	276	189	321	305	162	221	692	219	232	271	518	517	443	539	338	170	165	151	170	218	171	185	51	6788
47119	47484	2029	2030	0	0	88	0	11	1	1	10	18	137	277	190	323	306	162	221	690	218	232	270	515	515	441	537	337	170	164	151	170	219	171	185	51	6782
47484	47849	2030	2031	0	0	88	0	11	1	1	10	18	137	278	191	325	308	162	221	688	218	231	269	513	513	439	535	336	169	164	151	171	219	171	185	51	6777
47849	48214	2031	2032	0	0	88	0	11	1	1	10	18	138	279	192	327	309	162	221	687	217	231	269	512	512	438	534	335	169	164	151	171	219	171	185	51	6772
48214	48580	2032	2033	0	0	88	0	11	1	1	10	18	139	280	193	329	311	163	221	686	217	231	268	510	510	436	532	334	168	164	152	171	219	171	185	51	6768
48580	48945	2033	2034	0	0	88	0	11	1	1	10	18	139	281	194	331	312	163	221	685	216	230	267	508	509	435	531	333	168	164	152	171	219	171	185	51	6765
48945	49310	2034	2035	0	0	88	0	11	1	1	10	18	140	282	194	333	314	163	221	684	216	230	267	507	507	434	529	333	168	164	152	171	219	171	185	51	6762
49310	49675	2035	2036	0	0	89	0	11	1	1	10	19	140	282	195	334	315	163	221	683	215	230	266	506	506	432	528	332	167	164	152	171	219	171	185	51	6759
49675	50041	2036	2037	0	0	89	0	11	1	1	10	19	141	283	196	336	316	164	221	682	215	229	266	504	505	431	527	331	167	164	152	171	219	171	185	51	6757
50041	50406	2037	2038	0	0	89	0	11	1	1	10	19	141	284	197	338	317	164	221	681	215	229	265	503	504	430	526	331	166	164	152	171	219	171	185	51	6756
50406	50771	2038	2039	0	0	89	0	11	1	1	11	19	142	285	197	339	319	164	221	680	214	229	265	502	503	429	525	330	166	164	152	171	219	171	184	51	6755
50771	51136	2039	2040	0	0	89	0	11	1	1	11	19	142	286	198	341	320	165	221	680	214	229	265	501	502	429	524	329	166	164	152	171	219	171	184	51	6754
51136	51502	2040	2041	0	0	89	0	11	1	1	11	19	143	287	199	342	321	165	221	679	214	228	264	500	501	428	523	329	166	164	152	171	219	171	184	51	6754
51502	51867	2041	2042	0	0	89	0	12	1	1	11	20	143	287	199	343	322	165	221	679	214	228	264	499	500	427	523	328	165	164	152	171	219	171	184	51	6754
51867	52232	2042	2043	0	0	89	0	12	1	1	11	20	143	288	200	345	323	165	222	678	214	228	264	499	499	426	522	328	165	163	152	171	219	171	184	51	6754
52232	52597	2043	2044	0	0	89	0	12	1	1	11	20	144	289	201	346	324	166	222	678	213	228	263	498	499	426	521	328	165	163	152	171	219	171	184	51	6754
52597	52963	2044	2045	0	0	90	0	12	1	1	11	20	144	289	201	347	326	166	222	678	213	228	263	497	498	425	521	327	165	163	152	172	219	171	184	51	6755
52963	53328	2045	2046	0	0	90	0	12	1	1	11	20	145	290	202	349	327	166	222	677	213	227	263	497	497	425	520	327	165	163	152	172	219	171	184	51	6756
53328	53693	2046	2047	0	0	90	0	12	1	1	11	20	145	291	202	350	328	166	222	677	213	227	263	496	497	424	519	326	164	163	152	172	219	171	184	51	6757
53693	54058	2047	2048	0	0	90	0	12	1	1	11	20	145	291	203	351	329	167	222	677	213	227	263	496	496	424	519	326	164	163	152	172	219	171	184	51	6759
54058	54424	2048	2049	0	0	90	0	12	1	1	11	20	146	292	203	352	330	167	222	677	213	227	262	495	496	423	519	326	164	163	152	172	219	171	184	51	6760
54424	54789	2049	2050	0	0	90	0	12	1	1	11	21	146	293	204	353	331	167	222	677	213	227	262	495	496	423	518	326	164	163	152	172	219	171	184	51	6762
54789	55154	2050	2051	0	0	90	0	12	1	1	11	21	146	293	204	354	332	167	223	677	213	227	262	494	495	423	518	325	164	163	152	172	219	171	184	51	6764
55154	55519	2051	2052	0	0	90	0	12	1	1	11	21	147	294	205	355	332	168	223	677	212	227	262	494	495	422	518	325	164	163	152	172	219	171	184	51	6766
55519	55885	2052	2053	0	0	90	0	12	1	1	11	21	147	294	205	356	333	168	223	677	212	227	262	494	495	422	517	325	164	163	152	172	219	171	184	51	6768
55885	56250	2053	2054	0	0	90	0	12	1	1	11	21	147	295	206	357	334	168	223	677	212	227	262	494	494	422	517	325	164	163	152	172	219	171	184	51	6771
56250	56615	2054	2055	0	0	90	0	12	1	1	11	21	148	295	206	358	335	169	223	677	212	227	262	493	494	422	517	325	164	163	152	172	219	171	184	51	6773
56615	56980	2055	2056	0	0	90	0	12	1	1	11	21	148	296	207	359	336	169	223	677	212	227	262	493	494	421	517	325	164	163	152	172	219	171	184	51	6776
56980	57346	2056	2057	0	0	90	0	12	1	1	11	21	148	296	207	360	337	169	224	677	212	227	262	493	494	421	516	324	163	163	152	172	219	171	184	51	6779
57346	57711	2057	2058	0	0	90	0	12	1	1	11	21	148	297	207	361	338	169	224	677	212	227	261	493	494	421	516	324	163	163	152	172	219	171	184	51	6781
57711	58076	2058	2059	0	0	91	0	12	1	1	11	21	149	297	208	362	338	170	224	677	212	227	261	493	494	421	516	324	163	163	152	172	219	171	184	51	6784
58076	58441	2059	2060	0	0	91	0	12	1	1	12	22	149	298	208	363	339	170	224	677	212	227	261	493	494	421	516	324	163	163	152	172	219	171	184	51	6787

B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 4) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	91	0	12	1	1	12	22	149	298	208	364	340	170	224	677	212	227	261	493	493	421	516	324	163	163	152	172	219	171	184	51	6790
58807	59172	2061	2062	0	0	91	0	12	1	1	12	22	149	298	209	364	341	170	224	677	212	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6793
59172	59537	2062	2063	0	0	91	0	12	1	1	12	22	150	299	209	365	341	170	225	678	212	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6796
59537	59902	2063	2064	0	0	91	0	12	1	1	12	22	150	299	210	366	342	171	225	678	212	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6799
59902	60268	2064	2065	0	0	91	0	12	1	1	12	22	150	300	210	367	343	171	225	678	212	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6802
60268	60633	2065	2066	0	0	91	0	12	1	1	12	22	150	300	210	368	343	171	225	678	213	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6806
60633	60998	2066	2067	0	0	91	0	12	1	1	12	22	151	300	211	368	344	171	225	678	213	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6809
60998	61363	2067	2068	0	0	91	0	12	1	1	12	22	151	301	211	369	345	172	225	679	213	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6812
61363	61729	2068	2069	0	0	91	0	12	1	1	12	22	151	301	211	370	345	172	226	679	213	227	261	492	493	421	516	324	163	163	152	172	219	171	184	51	6815
61729	62094	2069	2070	0	0	91	0	12	1	1	12	22	151	301	211	370	346	172	226	679	213	227	261	493	493	421	516	324	163	163	152	172	219	171	184	51	6819
62094	62459	2070	2071	0	0	91	0	12	1	1	12	22	151	302	212	371	347	172	226	679	213	227	262	493	493	421	516	324	163	163	152	172	219	171	184	51	6822
62459	62824	2071	2072	0	0	91	0	12	1	1	12	22	152	302	212	372	347	173	226	680	213	227	262	493	494	421	516	324	163	163	152	172	219	171	184	51	6825
62824	63190	2072	2073	0	0	91	0	12	1	1	12	22	152	302	212	372	348	173	226	680	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6829
63190	63555	2073	2074	0	0	91	0	12	1	1	12	22	152	303	213	373	348	173	226	680	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6832
63555	63920	2074	2075	0	0	91	0	12	1	1	12	23	152	303	213	373	349	173	227	681	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6835
63920	64285	2075	2076	0	0	91	0	12	1	1	12	23	152	303	213	374	350	173	227	681	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6839
64285	64651	2076	2077	0	0	91	0	12	1	1	12	23	152	304	213	374	350	174	227	681	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6842
64651	65016	2077	2078	0	0	91	0	12	1	1	12	23	153	304	214	375	351	174	227	681	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6845
65016	65381	2078	2079	0	0	91	0	12	1	1	12	23	153	304	214	376	351	174	227	682	213	227	262	493	494	421	516	324	163	163	153	172	219	171	184	51	6849
65381	65746	2079	2080	0	0	91	0	12	1	1	12	23	153	304	214	376	352	174	227	682	213	227	262	494	494	422	516	324	164	163	153	172	219	171	184	51	6852
65746	66112	2080	2081	0	0	91	0	12	1	1	12	23	153	305	214	377	352	174	228	682	213	227	262	494	494	422	517	324	164	163	153	172	219	171	184	51	6855
66112	66477	2081	2082	0	0	92	0	12	1	1	12	23	153	305	214	377	353	175	228	683	214	227	262	494	495	422	517	324	164	163	153	172	219	171	184	51	6858
66477	66842	2082	2083	0	0	92	0	12	1	1	12	23	153	305	215	378	353	175	228	683	214	227	262	494	495	422	517	325	164	163	153	172	219	171	184	51	6862
66842	67207	2083	2084	0	0	92	0	12	1	1	12	23	153	305	215	378	354	175	228	683	214	227	262	494	495	422	517	325	164	163	153	172	219	171	184	51	6865
67207	67573	2084	2085	0	0	92	0	12	1	1	12	23	154	306	215	379	354	175	228	684	214	227	262	494	495	422	517	325	164	163	153	172	219	171	184	51	6868
67573	67938	2085	2086	0	0	92	0	12	1	1	12	23	154	306	215	379	355	175	228	684	214	228	262	494	495	422	517	325	164	163	153	172	219	171	184	51	6871
67938	68303	2086	2087	0	0	92	0	12	1	1	12	23	154	306	215	379	355	176	229	684	214	228	263	495	495	422	517	325	164	163	153	172	219	171	184	51	6875
68303	68668	2087	2088	0	0	92	0	12	1	1	12	23	154	306	216	380	356	176	229	685	214	228	263	495	495	423	518	325	164	163	153	172	219	171	184	51	6878
68668	69034	2088	2089	0	0	92	0	12	1	1	12	23	154	306	216	380	356	176	229	685	214	228	263	495	496	423	518	325	164	163	153	172	219	171	184	51	6881
69034	69399	2089	2090	0	0	92	0	12	1	1	12	23	154	307	216	381	357	176	229	685	214	228	263	495	496	423	518	325	164	163	153	172	219	171	184	51	6884
69399	69764	2090	2091	0	0	92	0	12	1	1	12	23	154	307	216	381	357	176	229	686	214	228	263	495	496	423	518	325	164	163	153	172	219	171	184	51	6887
69764	70129	2091	2092	0	0	92	0	12	1	1	12	23	154	307	216	382	357	176	229	686	214	228	263	495	496	423	518	325	164	163	153	172	219	171	184	51	6890
70129	70495	2092	2093	0	0	92	0	12	1	1	12	23	155	307	216	382	358	177	230	686	215	228	263	496	496	423	518	325	164	164	153	172	219	171	184	51	6893
70495	70860	2093	2094	0	0	92	0	12	1	1	12	23	155	307	217	382	358	177	230	687	215	228	263	496	496	423	518	325	164	164	153	172	219	171	184	51	6896
70860	71225	2094	2095	0	0	92	0	12	1	1	12	23	155	308	217	383	359	177	230	687	215	228	263	496	497	424	519	326	164	164	153	172	219	171	184	51	6899
71225	71590	2095	2096	0	0	92	0	12	1	1	12	23	155	308	217	383	359	177	230	687	215	228	263	496	497	424	519	326	164	164	153	172	219	171	184	51	6902
71590	71956	2096	2097	0	0	92	0	12	1	1	12	23	155	308	217	383	359	177	230	687	215	228	263	496	497	424	519	326	164	164	153	172	219	171	184	51	6905
71956	72321	2097	2098	0	0	92	0	12	1	1	12	23	155	308	217	384	360	177	230	688	215	228	263	496	497	424	519	326	164	164	153	172	219	171	184	51	6908
72321	72686	2098	2099	0	0	92	0	12	1	1	12	24	155	308	217	384	360	178	230	688	215	228	264	497	497	424	519	326	164	164	153	173	219	171	184	51	6911
72686	73051	2099	2100	0	0	92	0	12	1	1	12	24	155	308	217	384	360	178	231	688	215	228	264	497	497	424	519	326	164	164	153	173	219	171	184	51	6914
73051	73416	2100	2101	0	0	92	0	12	1	1	12	24	155	309	218	385	361	178	231	689	215	228	264	497	498	425	520	326	165	164	153	173	219	171	184	51	6917
73416	73781	2101	2102	0	0	92	0	12	1	1	12	24	155	309	218	385	361	178	231	689	215	228	264	497	498	425	520	326	165	164	153	173	219	171	184	51	6920
73781	74146	2102	2103	0	0	92	0	12	1	1	12	24	156	309	218	385	362	178	231	689	215	228	264	497	498	425	520	326	165	164	153	173	219	171	184	51	6922
74146	74511	2103	2104	0	0	92	0	12	1	1	12	24	156	309	218	386	362	178	231	690	215	229	264	497	498	425	520	326	165	164	153	173	219	171	184	51	6925
74511	74877	2104	2105	0	0	92	0	12	1	1	12	24	156	309	218	386	362	178	231	690	216	229	264	498	498	425	520	326	165	164	153	173	219	171	184	51	6928
74877	75242	2105	2106	0	0	92	0	12	1	1	12	24	156	309	218	386	363	179	231	690	216	229	264	498	498	425	520	327	165	164	153	173	219	171	184	51	6931
75242	75607	2106	2107	0	0	92	0	12	1	1	12	24	156	309	218	386	363	179	231	691	216	229	264	498	499	425	521	327	165	164	153	173	219	171	184	51	6933
75607	75972	2107	2108	0	0	92	0	12	1	1	12	24	156	310	218	387	363	179	232	691	216	229	264	498	499	426	521	327	165	164	153	173	219	171	184	51	6936
75972	76338	2108	2109	0	0	92	0	12	1	1	12	24	156	310	219	387	363	179	232	691	216	229	264	498	499	426	521	327	165	164	153	173	219	171	184	51	6938
76338	76703	2109	2110	0	0	92	0	12	1	1	12	24	156	310	219	387	364	179	232	691	216	229	264	499	499	426	521	327	165	164	153	173	219	171	184	51	6941
76703	77068	2110	2111	0	0	92	0	12	1	1	12	24	156	310	219	388	364	179	232	692	216	229	265	499	499	426	521	327	165	164	153	173	219	171	184	51	6944

B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 4) (Part 3/3)



B-3a (S4). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	134
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	9	2	3	16	15	8	10	6	4	3	2	2	3	3	3	1	133
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	9	2	3	15	15	8	9	5	4	3	2	2	3	3	3	1	132
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	4	17	9	2	3	15	15	8	9	5	4	3	2	2	3	3	3	1	131
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	3	4	2	4	4	3	4	17	9	2	3	15	15	8	9	5	3	3	2	2	3	3	3	1	129
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	4	4	3	4	16	9	2	3	15	14	8	9	5	3	3	2	2	3	3	3	1	129
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	4	4	3	4	16	9	2	3	15	14	8	9	5	3	3	2	2	3	3	3	1	127
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	16	8	2	3	14	14	8	9	5	3	3	2	2	3	3	3	1	126
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	4	4	3	4	16	8	2	3	14	14	8	9	5	3	3	2	2	3	2	3	1	125
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	16	8	2	3	14	14	8	9	5	3	3	2	2	3	2	3	1	124
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	16	8	2	3	14	13	8	9	5	3	3	2	2	3	2	3	1	123
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	14	13	7	9	5	3	2	2	2	3	2	3	1	122
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	121
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	120
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	8	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	118
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	15	7	2	3	13	13	7	8	5	3	2	2	2	3	2	3	1	116
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	7	2	3	13	12	7	8	5	3	2	2	2	3	2	3	1	114
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	7	2	3	13	12	7	8	5	3	2	2	2	3	2	3	1	113
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	7	2	3	12	12	7	8	5	3	2	2	2	3	2	3	1	112
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	7	2	3	12	12	7	8	5	3	2	2	2	3	2	3	1	111
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	7	2	2	12	12	7	8	5	3	2	2	2	3	2	3	1	110
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	6	2	2	12	12	7	8	4	3	2	2	2	3	2	3	1	109
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	3	4	14	6	2	2	12	12	6	8	4	3	2	2	2	3	2	3	1	108
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	14	6	2	2	12	11	6	8	4	3	2	2	2	3	2	3	1	107
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	7	2	2	12	11	6	7	4	3	2	2	2	3	2	3	1	108
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	7	2	2	12	11	6	7	4	3	2	2	2	3	2	3	1	108
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	107
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	107
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	107
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	107
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	107
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	106
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	3	5	3	4	4	2	4	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	106
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	3	5	3	4	4	2	3	13	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	105
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 4) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	11	11	6	7	4	3	2	2	2	3	2	3	1	104
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	11	10	6	7	4	3	2	2	2	3	2	3	1	103
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	10	10	6	7	4	3	2	2	2	3	2	3	1	102
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	10	10	6	7	4	3	2	2	2	3	2	3	1	101
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	10	10	5	7	4	2	2	2	2	3	2	3	1	100
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	10	10	5	6	4	2	2	2	2	3	2	3	1	100
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	3	4	3	4	4	2	3	12	6	2	2	10	10	5	6	4	2	2	2	2	3	2	3	1	100
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	12	6	2	2	10	10	5	6	4	2	2	2	2	3	2	3	1	99
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	12	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	99
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	99
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	99
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	99
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	99
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	3	4	3	5	4	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	98
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	97
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	97
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	97
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	97
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	97
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	3	4	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	3	1	97
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	3	5	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	97
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	3	5	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	98
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	3	5	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	98
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	3	5	3	5	5	2	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	98
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	3	5	3	5	5	2	3	11	6	2	2	8	9	5	6	4	2	2	2	2	3	2	2	1	98
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	3	5	3	5	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	3	5	3	6	5	2	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 4) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	98
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	99
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	8	5	6	4	2	2	2	2	3	2	2	1	100
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	9	5	6	4	2	2	2	2	3	2	2	1	100
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	9	5	6	4	2	2	2	2	3	2	2	1	100
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	9	5	6	4	2	2	2	2	3	2	2	1	100
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	8	9	5	6	4	2	2	2	2	3	2	2	1	100
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
75242	75607	2106	2107	0	0	1	0	0	0	0	0	1	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
75607	75972	2107	2108	0	0	1	0	0	0	0	0	1	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
75972	76338	2108	2109	0	0	1	0	0	0	0	0	1	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	100
76338	76703	2109	2110	0	0	1	0	0	0	0	0	1	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	101
76703	77068	2110	2111	0	0	1	0	0	0	0	0	1	3	5	3	6	5	3	3	11	6	2	2	9	9	5	6	4	2	2	2	2	3	2	2	1	101
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 4) (Part 3/3)

B-3b (S4). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	247	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3222
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	123	244	137	116	57	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3143
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	122	243	136	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3068
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	6	121	243	136	113	50	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	3009
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	121	243	136	112	48	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2961
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	121	243	136	112	46	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2920
37622	37803	2003	2003.5	0	0	68	0	8	0	0	1	5	121	244	136	112	45	82	162	571	83	113	105	261	163	39	90	23	0	55	88	118	90	21	40	42	2884
37803	37987	2003.5	2004	0	0	67	0	8	0	0	1	5	121	244	136	112	44	81	160	565	80	110	102	256	160	38	89	22	0	54	88	117	89	20	40	42	2851
37987	38169	2004	2004.5	0	0	67	0	8	0	0	1	5	122	245	137	112	43	80	159	559	77	107	99	251	157	37	87	22	0	54	87	117	89	20	39	42	2821
38169	38353	2004.5	2005	0	0	67	0	7	0	0	1	4	122	245	137	112	42	80	158	553	74	105	97	247	154	36	86	21	0	53	86	116	89	20	39	42	2793
38353	38534	2005	2005.5	0	0	67	0	7	0	0	1	5	123	251	141	115	43	79	157	548	86	112	95	243	151	35	85	21	0	63	87	117	94	21	39	42	2829
38534	38718	2005.5	2006	0	0	68	0	7	0	0	1	5	124	254	143	117	44	79	156	543	86	113	94	239	149	34	84	21	0	65	89	119	96	22	40	42	2832
38718	38899	2006	2006.5	0	0	69	0	7	0	0	1	5	125	256	144	118	45	79	156	539	85	113	92	236	146	33	83	21	0	66	90	120	98	22	40	42	2829
38899	39083	2006.5	2007	0	0	70	0	8	0	0	1	5	126	257	144	120	45	78	155	535	84	112	91	233	144	32	82	20	0	67	91	121	99	23	40	42	2823
39083	39264	2007	2007.5	0	0	71	0	8	0	0	1	5	126	259	145	121	46	78	154	531	84	112	91	230	142	31	82	20	0	67	91	122	99	23	40	42	2819
39264	39448	2007.5	2008	0	0	72	0	8	0	0	1	5	127	260	146	122	46	78	154	527	83	112	90	227	140	30	81	20	0	68	92	122	100	23	40	42	2813
39448	39630	2008	2008.5	0	0	74	0	8	0	0	1	5	128	261	146	123	47	78	153	524	82	111	89	224	138	30	80	20	0	68	92	122	100	23	40	42	2807
39630	39814	2008.5	2009	0	0	75	0	8	0	0	1	5	129	262	147	124	47	77	152	520	81	110	88	221	136	29	80	20	0	69	92	123	100	23	40	42	2801
39814	39995	2009	2009.5	0	0	76	0	8	0	0	2	6	133	265	147	124	47	76	150	509	79	109	86	216	133	27	76	19	0	66	91	122	100	23	40	42	2775
39995	40179	2009.5	2010	0	0	76	0	8	0	0	2	7	137	267	148	125	47	75	149	503	77	108	84	212	130	26	75	19	0	66	90	122	100	23	40	42	2759

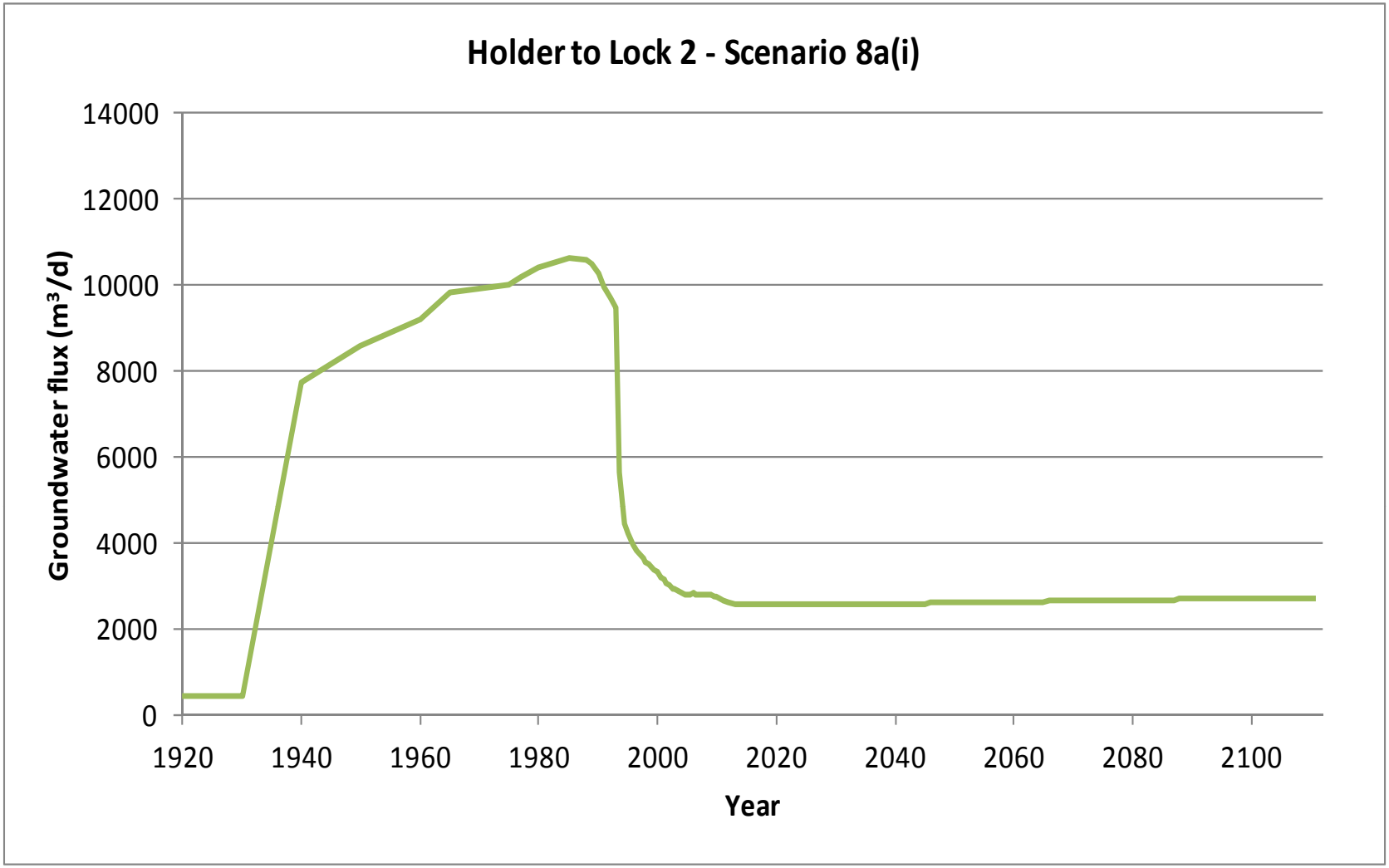
B-3a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	77	0	8	0	0	3	8	133	258	149	126	46	73	146	490	74	106	82	206	127	24	71	18	0	63	89	122	100	23	40	42	2703
40360	40544	2010.5	2011	0	0	78	0	8	0	0	3	9	129	251	149	127	45	72	144	484	72	104	79	200	123	23	69	18	0	63	88	122	100	23	40	42	2665
40544	40909	2011	2012	0	0	79	0	8	0	0	4	10	123	244	149	128	45	71	143	475	71	107	76	192	117	21	67	17	0	62	88	121	99	23	40	42	2622
40909	41275	2012	2013	0	0	80	0	9	0	0	5	10	119	239	148	128	45	71	141	468	69	106	74	185	113	20	65	16	0	62	88	122	99	23	40	42	2588
41275	41640	2013	2014	0	0	81	0	9	0	0	6	10	119	239	148	129	46	71	141	462	75	110	72	180	109	19	64	16	0	63	89	122	99	23	40	42	2583
41640	42005	2014	2015	0	0	82	0	10	0	0	6	11	118	238	148	131	47	70	140	457	77	113	73	175	105	18	63	15	0	63	90	122	100	24	40	42	2578
42005	42370	2015	2016	0	0	83	0	10	0	0	7	11	118	238	149	133	49	70	140	452	78	114	73	171	103	17	62	15	0	64	91	123	100	24	40	42	2573
42370	42736	2016	2017	0	0	84	0	10	0	0	7	11	118	238	149	134	50	71	139	448	80	116	72	167	100	17	61	15	0	64	92	124	100	24	40	42	2573
42736	43101	2017	2018	0	0	84	0	10	0	0	7	11	119	239	150	136	51	71	139	444	80	116	72	164	98	16	60	14	0	65	93	125	102	24	40	42	2572
43101	43466	2018	2019	0	0	85	0	10	1	0	7	12	119	240	151	138	53	71	138	441	80	116	72	161	96	16	59	14	0	66	94	126	103	24	40	42	2573
43466	43831	2019	2020	0	0	85	0	10	1	0	8	12	120	241	152	140	54	71	138	437	79	116	71	159	94	15	59	14	0	66	95	127	103	24	40	42	2574
43831	44197	2020	2021	0	0	85	0	11	1	1	8	12	121	242	153	142	56	71	138	434	79	116	71	156	93	15	58	14	0	67	96	127	104	24	40	42	2574
44197	44562	2021	2022	0	0	86	0	11	1	1	8	13	122	244	154	144	57	71	137	432	78	116	71	154	91	14	57	13	0	67	96	128	104	24	40	42	2575
44562	44927	2022	2023	0	0	86	0	11	1	1	8	13	123	245	155	146	58	71	137	429	78	116	70	152	90	14	57	13	0	67	97	128	104	24	40	42	2575
44927	45292	2023	2024	0	0	86	0	11	1	1	8	13	123	246	156	148	59	71	137	427	77	115	70	150	88	14	56	13	0	67	97	129	105	24	40	42	2576
45292	45658	2024	2025	0	0	87	0	11	1	1	8	13	124	247	157	150	61	71	137	425	77	115	70	148	87	13	56	13	0	68	98	129	105	24	40	42	2576
45658	46023	2025	2026	0	0	87	0	11	1	1	9	13	125	249	158	151	62	71	137	423	77	115	69	147	86	13	56	13	0	68	98	129	105	24	40	42	2577
46023	46388	2026	2027	0	0	87	0	11	1	1	9	14	126	250	159	153	63	71	137	421	76	114	69	145	85	13	55	13	0	68	98	129	105	24	39	42	2578
46388	46753	2027	2028	0	0	87	0	11	1	1	9	14	126	251	160	154	64	72	136	420	76	114	68	144	84	13	55	12	0	68	99	130	105	24	39	42	2579
46753	47119	2028	2029	0	0	87	0	11	1	1	9	14	127	252	161	156	65	72	136	418	75	114	68	143	83	13	55	12	0	68	99	130	105	24	39	42	2580
47119	47484	2029	2030	0	0	88	0	11	1	1	9	14	127	253	162	157	66	72	136	417	75	114	68	142	83	12	54	12	0	68	99	130	105	24	39	42	2581
47484	47849	2030	2031	0	0	88	0	11	1	1	9	14	128	254	163	159	66	72	136	416	75	113	67	141	82	12	54	12	0	68	99	130	105	24	39	42	2582
47849	48214	2031	2032	0	0	88	0	11	1	1	9	15	129	255	163	160	67	72	136	415	74	113	67	140	81	12	54	12	0	69	100	130	105	24	39	42	2583
48214	48580	2032	2033	0	0	88	0	11	1	1	9	15	129	256	164	161	68	72	136	414	74	113	67	139	81	12	54	12	0	69	100	131	106	24	39	42	2585
48580	48945	2033	2034	0	0	88	0	11	1	1	9	15	130	256	165	162	69	72	136	413	74	113	67	138	80	12	54	12	0	69	100	131	106	24	39	42	2586
48945	49310	2034	2035	0	0	88	0	11	1	1	9	15	130	257	165	163	70	72	136	412	74	112	66	137	79	12	53	12	0	69	100	131	106	24	39	42	2588
49310	49675	2035	2036	0	0	88	0	11	1	1	9	15	131	258	166	165	70	73	136	411	73	112	66	137	79	11	53	12	0	69	100	131	106	24	39	42	2589
49675	50041	2036	2037	0	0	89	0	11	1	1	10	15	131	259	167	166	71	73	136	410	73	112	66	136	79	11	53	12	0	69	100	131	106	24	39	42	2591
50041	50406	2037	2038	0	0	89	0	11	1	1	10	16	132	260	167	167	72	73	136	410	73	112	66	135	78	11	53	11	0	69	100	131	106	24	39	42	2593
50406	50771	2038	2039	0	0	89	0	11	1	1	10	16	132	260	168	168	73	73	136	409	73	112	65	135	78	11	53	11	0	69	100	131	106	24	39	42	2595
50771	51136	2039	2040	0	0	89	0	11	1	1	10	16	133	261	169	169	73	73	136	409	73	112	65	134	77	11	53	11	0	69	101	131	106	24	39	42	2597
51136	51502	2040	2041	0	0	89	0	11	1	1	10	16	133	262	169	170	74	73	136	408	72	112	65	134	77	11	52	11	0	69	101	131	106	24	39	42	2599
51502	51867	2041	2042	0	0	89	0	11	1	1	10	16	133	262	170	171	74	73	136	408	72	111	65	133	77	11	52	11	0	69	101	131	106	24	39	42	2601
51867	52232	2042	2043	0	0	89	0	11	1	1	10	16	134	263	170	171	75	73	136	407	72	111	65	133	76	11	52	11	0	69	101	131	106	24	39	42	2603
52232	52597	2043	2044	0	0	89	0	11	1	1	10	16	134	264	171	172	76	73	136	407	72	111	65	133	76	11	52	11	0	69	101	132	106	24	39	42	2605
52597	52963	2044	2045	0	0	89	0	11	1	1	10	17	135	264	171	173	76	74	136	407	72	111	65	132	76	11	52	11	0	69	101	132	106	24	39	42	2607
52963	53328	2045	2046	0	0	89	0	11	1	1	10	17	135	265	172	174	77	74	136	406	72	111	65	132	76	11	52	11	0	69	101	132	106	24	39	42	2609
53328	53693	2046	2047	0	0	90	0	11	1	1	10	17	135	266	172	175	77	74	136	406	72	111	64	132	76	11	52	11	0	69	101	132	106	24	39	42	2611
53693	54058	2047	2048	0	0	90	0	11	1	1	10	17	136	266	173	176	78	74	136	406	72	111	64	131	75	11	52	11	0	69	101	132	106	24	39	42	2614
54058	54424	2048	2049	0	0	90	0	11	1	1	10	17	136	267	173	176	79	74	136	406	72	111	64	131	75	11	52	11	0	69	101	132	106	24	39	42	2616
54424	54789	2049	2050	0	0	90	0	12	1	1	10	17	136	267	174	177	79	74	136	406	72	111	64	131	75	11	52	11	0	69	101	132	106	24	39	42	2618
54789	55154	2050	2051	0	0	90	0	12	1	1	10	17	137	268	174	178	80	74	136	405	71	111	64	131	75	10	52	11	0	69	101	132	106	24	39	42	2620
55154	55519	2051	2052	0	0	90	0	12	1	1	10	17	137	268	174	178	80	74	136	405	71	111	64	131	75	10	52	11	0	69	101	132	106	24	39	42	2623
55519	55885	2052	2053	0	0	90	0	12	1	1	10	17	137	269	175	179	81	75	137	405	71	111	64	130	75	10	52	11	0	69	101	132	106	24	39	42	2625
55885	56250	2053	2054	0	0	90	0	12	1	1	10	18	137	269	175	180	81	75	137	405	71	111	64	130	75	10	51	11	0	69	101	132	106	24	39	42	2627
56250	56615	2054	2055	0	0	90	0	12	1	1	10	18	138	270	176	180	82	75	137	405	71	111	64	130	75	10	51	11	0	69	101	132	106	24	39	42	2630
56615	56980	2055	2056	0	0	90	0	12	1	1	11	18	138	270	176	181	82	75	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2632
56980	57346	2056	2057	0	0	90	0	12	1	1	11	18	138	271	176	182	82	75	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2634
57346	57711	2057	2058	0	0	90	0	12	1	1	11	18	138	271	177	182	83	75	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2637
57711	58076	2058	2059	0	0	90	0	12	1	1	11	18	139	271	177	183	83	75	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2639
58076	58441	2059	2060	0	0	90	0	12	1	1	11	18	139	272	177	183	84	75	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2641

B-3a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	90	0	12	1	1	11	18	139	272	178	184	84	76	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2643
58807	59172	2061	2062	0	0	90	0	12	1	1	11	18	139	273	178	184	85	76	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2646
59172	59537	2062	2063	0	0	91	0	12	1	1	11	18	140	273	178	185	85	76	137	405	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2648
59537	59902	2063	2064	0	0	91	0	12	1	1	11	18	140	273	178	185	85	76	138	406	71	111	64	130	74	10	51	11	0	69	101	132	106	24	39	42	2650
59902	60268	2064	2065	0	0	91	0	12	1	1	11	18	140	274	179	186	86	76	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2652
60268	60633	2065	2066	0	0	91	0	12	1	1	11	18	140	274	179	186	86	76	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2654
60633	60998	2066	2067	0	0	91	0	12	1	1	11	19	140	274	179	187	86	76	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2657
60998	61363	2067	2068	0	0	91	0	12	1	1	11	19	141	275	180	187	87	76	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2659
61363	61729	2068	2069	0	0	91	0	12	1	1	11	19	141	275	180	188	87	76	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2661
61729	62094	2069	2070	0	0	91	0	12	1	1	11	19	141	275	180	188	88	77	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2663
62094	62459	2070	2071	0	0	91	0	12	1	1	11	19	141	276	180	189	88	77	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2665
62459	62824	2071	2072	0	0	91	0	12	1	1	11	19	141	276	181	189	88	77	138	406	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2667
62824	63190	2072	2073	0	0	91	0	12	1	1	11	19	142	276	181	189	89	77	138	407	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2669
63190	63555	2073	2074	0	0	91	0	12	1	1	11	19	142	276	181	190	89	77	138	407	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2671
63555	63920	2074	2075	0	0	91	0	12	1	1	11	19	142	277	181	190	89	77	139	407	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2673
63920	64285	2075	2076	0	0	91	0	12	1	1	11	19	142	277	181	190	90	77	139	407	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2675
64285	64651	2076	2077	0	0	91	0	12	1	1	11	19	142	277	182	191	90	77	139	407	71	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2677
64651	65016	2077	2078	0	0	91	0	12	1	1	11	19	142	277	182	191	90	77	139	407	72	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2679
65016	65381	2078	2079	0	0	91	0	12	1	1	11	19	142	278	182	192	90	77	139	408	72	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2681
65381	65746	2079	2080	0	0	91	0	12	1	1	11	19	143	278	182	192	91	78	139	408	72	111	64	130	74	10	51	11	0	69	102	132	106	24	39	42	2683
65746	66112	2080	2081	0	0	91	0	12	1	1	11	19	143	278	182	192	91	78	139	408	72	111	64	130	74	10	51	11	0	69	102	132	107	24	39	42	2685
66112	66477	2081	2082	0	0	91	0	12	1	1	11	19	143	278	183	192	91	78	139	408	72	111	64	130	74	10	51	11	0	69	102	132	107	24	39	42	2686
66477	66842	2082	2083	0	0	91	0	12	1	1	11	19	143	279	183	193	92	78	139	408	72	111	64	130	74	10	51	11	0	69	102	132	107	24	39	42	2688
66842	67207	2083	2084	0	0	91	0	12	1	1	11	19	143	279	183	193	92	78	139	408	72	111	64	130	75	10	51	11	0	69	102	133	107	24	39	42	2690
67207	67573	2084	2085	0	0	91	0	12	1	1	11	19	143	279	183	193	92	78	139	409	72	111	64	130	75	10	51	11	0	69	102	133	107	24	39	42	2692
67573	67938	2085	2086	0	0	91	0	12	1	1	11	19	143	279	183	194	92	78	140	409	72	111	64	130	75	10	51	11	0	69	102	133	107	24	39	42	2694
67938	68303	2086	2087	0	0	91	0	12	1	1	11	20	143	279	183	194	93	78	140	409	72	111	64	130	75	10	51	11	0	69	102	133	107	24	39	42	2695
68303	68668	2087	2088	0	0	91	0	12	1	1	11	20	144	280	184	194	93	78	140	409	72	111	64	130	75	10	51	11	0	69	102	133	107	24	39	42	2697
68668	69034	2088	2089	0	0	91	0	12	1	1	11	20	144	280	184	195	93	78	140	409	72	111	64	130	75	10	51	11	0	69	102	133	107	24	39	42	2699
69034	69399	2089	2090	0	0	91	0	12	1	1	11	20	144	280	184	195	93	79	140	410	72	111	64	131	75	10	52	11	0	69	102	133	107	24	39	42	2700
69399	69764	2090	2091	0	0	92	0	12	1	1	11	20	144	280	184	195	94	79	140	410	72	111	64	131	75	10	52	11	0	69	102	133	107	24	39	42	2702
69764	70129	2091	2092	0	0	92	0	12	1	1	11	20	144	280	184	195	94	79	140	410	72	111	65	131	75	10	52	11	0	70	102	133	107	24	39	42	2703
70129	70495	2092	2093	0	0	92	0	12	1	1	11	20	144	280	184	196	94	79	140	410	72	111	65	131	75	10	52	11	0	70	102	133	107	24	39	42	2705
70495	70860	2093	2094	0	0	92	0	12	1	1	11	20	144	281	184	196	94	79	140	410	72	111	65	131	75	10	52	11	0	70	102	133	107	24	39	42	2707
70860	71225	2094	2095	0	0	92	0	12	1	1	11	20	144	281	185	196	94	79	140	410	72	111	65	131	75	10	52	11	0	70	102	133	107	24	39	42	2708
71225	71590	2095	2096	0	0	92	0	12	1	1	11	20	144	281	185	196	95	79	140	411	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2710
71590	71956	2096	2097	0	0	92	0	12	1	1	11	20	144	281	185	196	95	79	141	411	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2711
71956	72321	2097	2098	0	0	92	0	12	1	1	11	20	145	281	185	197	95	79	141	411	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2713
72321	72686	2098	2099	0	0	92	0	12	1	1	11	20	145	281	185	197	95	79	141	411	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2714
72686	73051	2099	2100	0	0	92	0	12	1	1	11	20	145	281	185	197	95	79	141	411	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2716
73051	73416	2100	2101	0	0	92	0	12	1	1	11	20	145	282	185	197	96	79	141	412	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2717
73416	73781	2101	2102	0	0	92	0	12	1	1	11	20	145	282	185	197	96	80	141	412	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2718
73781	74146	2102	2103	0	0	92	0	12	1	1	11	20	145	282	185	198	96	80	141	412	72	111	65	131	75	11	52	11	0	70	102	133	107	24	39	42	2720
74146	74511	2103	2104	0	0	92	0	12	1	1	11	20	145	282	186	198	96	80	141	412	72	112	65	132	75	11	52	11	0	70	102	133	107	24	39	42	2721
74511	74877	2104	2105	0	0	92	0	12	1	1	11	20	145	282	186	198	96	80	141	412	72	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2722
74877	75242	2105	2106	0	0	92	0	12	1	1	11	20	145	282	186	198	97	80	141	412	72	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2724
75242	75607	2106	2107	0	0	92	0	12	1	1	11	20	145	282	186	198	97	80	141	413	73	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2725
75607	75972	2107	2108	0	0	92	0	12	1	1	12	20	145	282	186	199	97	80	141	413	73	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2726
75972	76338	2108	2109	0	0	92	0	12	1	1	12	20	145	283	186	199	97	80	141	413	73	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2728
76338	76703	2109	2110	0	0	92	0	12	1	1	12	20	145	283	186	199	97	80	142	413	73	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2729
76703	77068	2110	2111	0	0	92	0	12	1	1	12	20	145	283	186	199	97	80	142	413	73	112	65	132	76	11	52	11	0	70	102	133	107	24	39	42	2730

B-3a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(i)) (Part 3/3)



B-3a (S8a(i)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	47
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	44
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	42
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	43
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	43
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	43
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	43
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	43
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	42
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	42
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

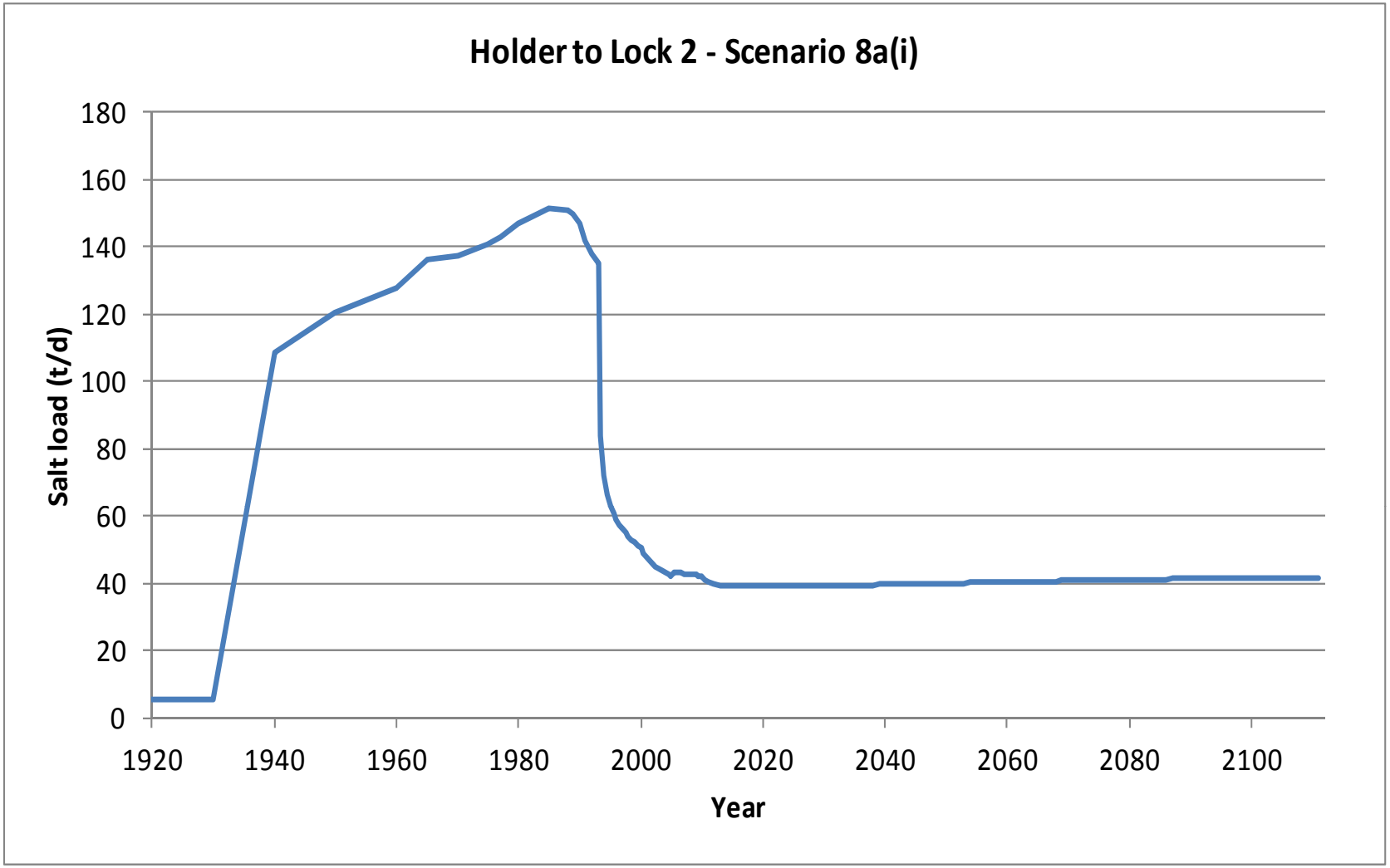
B-3b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	41
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	41
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	40
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	1	0	1	0	0	1	1	2	1	0	1	1	39
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	7	2	1	1	3	1	0	1	0	0	1	1	2	1	0	1	1	39
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	3	4	3	2	1	1	2	7	2	1	1	2	1	0	1	0	0	1	1	2	1	0	1	1	39
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	3	4	3	2	1	1	2	7	2	1	1	2	1	0	1	0	0	1	1	2	1	0	1	1	39
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	3	4	3	2	1	1	2	7	2	1	1	2	1	0	1	0	0	1	1	2	1	0	1	1	39
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	3	4	3	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	39
47484	47849	2030	2031	0	0	1	0	0	0	0	0	A	3	4	3	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	39
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	39
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	39
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	40
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	41
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	3	4	3	3	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	42
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(i)) (Part 3/3)



B-3b (S8a(i)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	247	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3222
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	123	244	137	116	57	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3143
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	122	243	136	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3068
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	6	121	243	136	113	50	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	3009
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	121	243	136	112	48	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2961
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	121	243	136	112	46	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2919
37622	37803	2003	2003.5	0	0	68	0	8	0	0	1	5	121	244	136	111	45	82	162	571	83	113	105	261	163	39	90	23	0	55	88	118	90	21	40	42	2882
37803	37987	2003.5	2004	0	0	67	0	8	0	0	1	5	121	244	136	111	44	81	160	565	80	110	102	256	160	38	89	22	0	54	88	117	89	20	40	42	2848
37987	38169	2004	2004.5	0	0	67	0	8	0	0	1	5	121	244	136	110	43	80	159	559	77	107	99	251	157	37	87	22	0	54	87	117	89	20	39	42	2817
38169	38353	2004.5	2005	0	0	67	0	7	0	0	1	4	121	243	135	110	42	80	158	553	74	105	97	247	154	36	86	21	0	53	86	116	89	20	39	42	2787
38353	38534	2005	2005.5	0	0	67	0	7	0	0	1	4	122	249	139	112	42	79	157	548	86	112	95	243	151	35	85	21	0	63	87	117	94	21	39	42	2820
38534	38718	2005.5	2006	0	0	68	0	7	0	0	1	5	122	251	140	113	43	79	156	543	86	113	94	239	149	34	84	21	0	65	89	119	96	22	40	42	2819
38718	38899	2006	2006.5	0	0	69	0	7	0	0	1	5	123	252	140	114	43	78	155	539	85	113	92	236	146	33	83	21	0	66	90	120	98	22	40	42	2813
38899	39083	2006.5	2007	0	0	70	0	8	0	0	1	5	123	252	140	114	44	78	155	535	84	112	91	233	144	32	82	20	0	67	91	121	99	23	40	42	2802
39083	39264	2007	2007.5	0	0	71	0	8	0	0	1	5	123	252	139	114	44	78	154	531	83	112	91	230	142	31	82	20	0	67	91	122	99	23	40	42	2793
39264	39448	2007.5	2008	0	0	72	0	8	0	0	1	5	123	252	139	113	44	77	153	527	83	112	90	227	140	30	81	20	0	68	92	122	100	23	40	42	2782
39448	39630	2008	2008.5	0	0	74	0	8	0	0	1	5	123	252	138	113	44	77	153	524	82	111	89	224	138	30	80	20	0	68	92	122	100	23	40	42	2772
39630	39814	2008.5	2009	0	0	75	0	8	0	0	1	5	123	251	138	113	44	77	152	520	81	110	88	221	136	29	80	20	0	69	92	123	100	23	40	42	2760
39814	39995	2009	2009.5	0	0	76	0	8	0	0	1	5	127	253	138	112	43	75	150	508	79	109	86	216	133	27	76	19	0	66	91	122	100	23	40	42	2728
39995	40179	2009.5	2010	0	0	76	0	8	0	0	2	6	129	254	137	112	42	74	148	503	77	108	84	212	130	26	75	19	0	66	90	122	100	23	40	42	2707

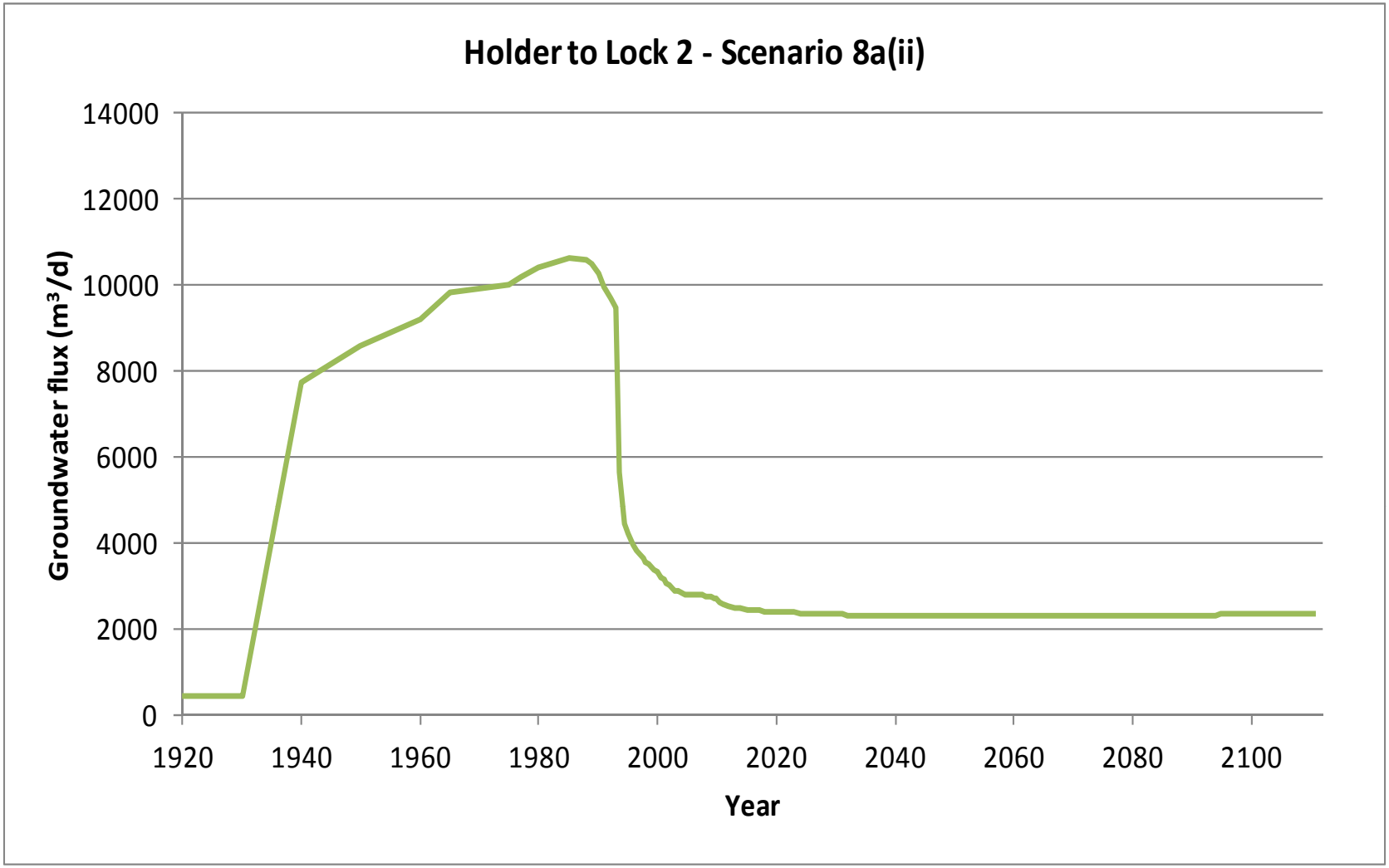
B-3a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	77	0	8	0	0	2	7	125	243	137	111	40	73	145	490	74	106	82	206	127	24	71	18	0	63	89	122	100	23	40	42	2645
40360	40544	2010.5	2011	0	0	78	0	8	0	0	3	7	120	235	136	110	39	71	144	483	72	104	79	200	123	23	69	18	0	63	88	122	100	23	40	42	2600
40544	40909	2011	2012	0	0	79	0	8	0	0	4	8	112	224	134	109	38	70	142	474	71	107	76	192	117	21	67	17	0	62	88	121	99	23	40	42	2545
40909	41275	2012	2013	0	0	80	0	9	0	0	5	7	107	216	131	107	37	69	141	467	69	106	74	185	113	20	65	16	0	62	88	122	99	23	40	42	2499
41275	41640	2013	2014	0	0	81	0	9	0	0	5	7	104	214	129	105	36	69	140	461	75	110	72	180	109	19	64	16	0	63	89	122	99	23	40	42	2482
41640	42005	2014	2015	0	0	82	0	9	0	0	5	7	102	210	127	104	36	69	139	456	77	113	73	175	105	18	63	15	0	63	90	122	100	24	40	42	2466
42005	42370	2015	2016	0	0	83	0	10	0	0	5	7	100	207	126	104	36	68	138	451	77	114	72	171	103	17	62	15	0	64	91	123	100	24	40	42	2450
42370	42736	2016	2017	0	0	83	0	10	0	0	5	7	99	205	125	103	36	68	138	447	79	116	72	167	100	17	61	15	0	64	92	124	100	24	40	42	2438
42736	43101	2017	2018	0	0	84	0	10	0	0	5	7	97	203	124	103	37	68	137	443	80	116	72	164	98	16	60	14	0	65	93	125	102	24	40	42	2428
43101	43466	2018	2019	0	0	84	0	10	1	0	5	7	96	202	123	103	37	68	137	439	79	116	72	161	96	16	59	14	0	66	94	126	103	24	40	42	2419
43466	43831	2019	2020	0	0	85	0	10	1	0	5	7	96	201	123	103	37	68	136	436	79	116	71	159	94	15	59	14	0	66	95	127	103	24	40	42	2410
43831	44197	2020	2021	0	0	85	0	10	1	0	5	7	95	200	123	103	37	67	136	433	78	116	71	156	92	15	58	14	0	67	96	127	104	24	40	42	2402
44197	44562	2021	2022	0	0	86	0	10	1	0	5	7	95	200	123	103	38	67	135	430	78	116	71	154	91	14	57	13	0	67	96	128	104	24	40	42	2394
44562	44927	2022	2023	0	0	86	0	11	1	0	5	7	95	199	123	103	38	67	135	427	77	115	70	152	90	14	57	13	0	67	97	128	104	24	40	42	2386
44927	45292	2023	2024	0	0	86	0	11	1	0	5	7	94	199	122	104	38	67	135	425	77	115	70	150	88	14	56	13	0	67	97	128	105	24	40	42	2379
45292	45658	2024	2025	0	0	86	0	11	1	0	5	7	94	199	122	104	38	67	134	423	76	115	69	148	87	13	56	13	0	68	98	129	105	24	40	42	2373
45658	46023	2025	2026	0	0	87	0	11	1	0	5	7	94	198	122	104	39	67	134	421	76	114	69	147	86	13	56	13	0	68	98	129	105	24	40	42	2366
46023	46388	2026	2027	0	0	87	0	11	1	0	5	7	93	198	122	104	39	67	134	419	75	114	69	145	85	13	55	13	0	68	98	129	105	24	39	42	2361
46388	46753	2027	2028	0	0	87	0	11	1	0	5	7	93	198	122	104	39	67	133	417	75	114	68	144	84	13	55	12	0	68	99	130	105	24	39	42	2355
46753	47119	2028	2029	0	0	87	0	11	1	0	5	7	93	198	122	104	39	67	133	415	74	113	68	143	83	13	55	12	0	68	99	130	105	24	39	42	2350
47119	47484	2029	2030	0	0	87	0	11	1	0	5	7	93	197	122	105	39	67	133	414	74	113	67	142	82	12	54	12	0	68	99	130	105	24	39	42	2346
47484	47849	2030	2031	0	0	87	0	11	1	0	5	7	93	197	122	105	40	67	133	412	73	113	67	141	82	12	54	12	0	68	99	130	105	24	39	42	2341
47849	48214	2031	2032	0	0	88	0	11	1	0	5	7	93	197	122	105	40	66	133	411	73	113	67	140	81	12	54	12	0	69	100	130	105	24	39	42	2337
48214	48580	2032	2033	0	0	88	0	11	1	0	5	7	92	197	122	105	40	66	132	410	73	112	67	139	80	12	54	12	0	69	100	130	106	24	39	42	2334
48580	48945	2033	2034	0	0	88	0	11	1	0	5	7	92	197	122	106	40	66	132	409	73	112	66	138	80	12	53	12	0	69	100	131	106	24	39	42	2331
48945	49310	2034	2035	0	0	88	0	11	1	0	5	7	92	197	122	106	40	66	132	408	72	112	66	137	79	12	53	12	0	69	100	131	106	24	39	42	2328
49310	49675	2035	2036	0	0	88	0	11	1	0	5	7	92	197	122	106	40	66	132	407	72	112	66	136	79	11	53	12	0	69	100	131	106	24	39	42	2325
49675	50041	2036	2037	0	0	88	0	11	1	0	5	7	92	197	122	106	40	66	132	406	72	111	66	136	78	11	53	11	0	69	100	131	106	24	39	42	2323
50041	50406	2037	2038	0	0	88	0	11	1	0	5	7	92	197	123	106	41	66	132	405	72	111	65	135	78	11	53	11	0	69	100	131	106	24	39	42	2320
50406	50771	2038	2039	0	0	88	0	11	1	0	5	7	92	197	123	107	41	66	131	404	71	111	65	134	78	11	53	11	0	69	100	131	106	24	39	42	2319
50771	51136	2039	2040	0	0	88	0	11	1	0	5	7	92	197	123	107	41	66	131	404	71	111	65	134	77	11	53	11	0	69	100	131	106	24	39	42	2317
51136	51502	2040	2041	0	0	89	0	11	1	0	5	7	92	197	123	107	41	66	131	403	71	111	65	133	77	11	52	11	0	69	101	131	106	24	39	42	2315
51502	51867	2041	2042	0	0	89	0	11	1	0	5	7	92	197	123	107	41	66	131	402	71	111	65	133	77	11	52	11	0	69	101	131	106	24	39	42	2314
51867	52232	2042	2043	0	0	89	0	11	1	0	5	7	92	197	123	108	41	66	131	402	71	111	64	133	76	11	52	11	0	69	101	131	106	24	39	42	2313
52232	52597	2043	2044	0	0	89	0	11	1	0	5	7	92	197	123	108	42	66	131	401	70	110	64	132	76	11	52	11	0	69	101	131	106	24	39	42	2312
52597	52963	2044	2045	0	0	89	0	11	1	0	5	7	92	197	123	108	42	66	131	401	70	110	64	132	76	11	52	11	0	69	101	132	106	24	39	42	2311
52963	53328	2045	2046	0	0	89	0	11	1	0	5	7	92	197	123	108	42	66	131	401	70	110	64	132	76	11	52	11	0	69	101	132	106	24	39	42	2311
53328	53693	2046	2047	0	0	89	0	11	1	0	5	7	92	197	123	109	42	66	131	400	70	110	64	131	75	11	52	11	0	69	101	132	106	24	39	42	2310
53693	54058	2047	2048	0	0	89	0	11	1	0	5	7	92	198	124	109	42	66	131	400	70	110	64	131	75	11	52	11	0	69	101	132	106	24	39	42	2310
54058	54424	2048	2049	0	0	89	0	11	1	0	5	7	92	198	124	109	42	66	131	399	70	110	64	131	75	11	52	11	0	69	101	132	106	24	39	42	2309
54424	54789	2049	2050	0	0	89	0	11	1	0	5	7	92	198	124	109	43	66	131	399	70	110	64	130	75	10	52	11	0	69	101	132	106	24	39	42	2309
54789	55154	2050	2051	0	0	89	0	11	1	0	5	7	92	198	124	110	43	66	131	399	70	110	64	130	75	10	52	11	0	69	101	132	106	24	39	42	2309
55154	55519	2051	2052	0	0	89	0	11	1	0	5	7	92	198	124	110	43	66	131	399	70	110	64	130	74	10	52	11	0	69	101	132	106	24	39	42	2309
55519	55885	2052	2053	0	0	89	0	11	1	0	5	7	93	198	124	110	43	66	131	398	70	110	63	130	74	10	51	11	0	69	101	132	106	24	39	42	2309
55885	56250	2053	2054	0	0	89	0	11	1	0	5	7	93	198	124	110	43	66	131	398	70	110	63	130	74	10	51	11	0	69	101	132	106	24	39	42	2309
56250	56615	2054	2055	0	0	90	0	11	1	0	5	7	93	198	124	110	43	66	131	398	69	110	63	130	74	10	51	11	0	69	101	132	106	24	39	42	2310
56615	56980	2055	2056	0	0	90	0	11	1	0	5	7	93	198	125	111	44	66	131	398	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2310
56980	57346	2056	2057	0	0	90	0	11	1	0	5	7	93	199	125	111	44	66	131	398	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2310
57346	57711	2057	2058	0	0	90	0	11	1	0	5	7	93	199	125	111	44	66	131	398	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2311
57711	58076	2058	2059	0	0	90	0	11	1	0	5	7	93	199	125	111	44	67	131	398	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2311
58076	58441	2059	2060	0	0	90	0	11	1	0	5	7	93	199	125	112	44	67	131	397	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2312

B-3a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	90	0	11	1	0	5	7	93	199	125	112	44	67	131	397	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2312
58807	59172	2061	2062	0	0	90	0	11	1	0	5	7	93	199	125	112	45	67	131	397	69	110	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2313
59172	59537	2062	2063	0	0	90	0	11	1	0	5	7	93	199	125	112	45	67	131	397	69	109	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2313
59537	59902	2063	2064	0	0	90	0	11	1	0	5	7	93	200	125	112	45	67	131	397	69	109	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2314
59902	60268	2064	2065	0	0	90	0	11	1	0	5	7	93	200	126	113	45	67	131	397	69	109	63	129	74	10	51	11	0	69	101	132	106	24	39	42	2315
60268	60633	2065	2066	0	0	90	0	11	1	0	5	7	93	200	126	113	45	67	131	397	69	109	63	129	73	10	51	11	0	69	101	132	106	24	39	42	2315
60633	60998	2066	2067	0	0	90	0	11	1	0	5	7	93	200	126	113	45	67	131	397	69	109	63	129	73	10	51	11	0	69	101	132	106	24	39	42	2316
60998	61363	2067	2068	0	0	90	0	11	1	0	5	7	94	200	126	113	46	67	131	397	69	109	63	129	73	10	51	11	0	69	101	132	106	24	39	42	2317
61363	61729	2068	2069	0	0	90	0	11	1	0	5	7	94	200	126	113	46	67	131	397	69	109	63	129	73	10	51	11	0	69	101	132	106	24	39	42	2318
61729	62094	2069	2070	0	0	90	0	11	1	0	5	7	94	200	126	114	46	67	131	397	69	109	63	128	73	10	51	11	0	69	101	132	106	24	39	42	2319
62094	62459	2070	2071	0	0	90	0	11	1	0	5	7	94	200	126	114	46	67	131	397	69	109	63	128	73	10	51	11	0	69	101	132	106	24	39	42	2319
62459	62824	2071	2072	0	0	90	0	11	1	0	5	7	94	200	126	114	46	67	131	397	69	109	63	128	73	10	51	11	0	69	102	132	106	24	39	42	2320
62824	63190	2072	2073	0	0	90	0	11	1	0	5	7	94	201	126	114	46	67	131	397	69	109	63	128	73	10	51	11	0	69	102	132	106	24	39	42	2321
63190	63555	2073	2074	0	0	90	0	12	1	0	5	7	94	201	127	114	46	67	131	397	69	109	63	128	73	10	51	11	0	69	102	132	106	24	39	42	2322
63555	63920	2074	2075	0	0	90	0	12	1	0	5	7	94	201	127	115	47	67	131	397	69	109	63	128	73	10	51	11	0	69	102	132	106	24	39	42	2323
63920	64285	2075	2076	0	0	90	0	12	1	0	5	7	94	201	127	115	47	67	131	397	69	109	63	128	73	10	51	11	0	69	102	132	106	24	39	42	2324
64285	64651	2076	2077	0	0	90	0	12	1	0	5	7	94	201	127	115	47	67	131	398	69	109	63	128	73	10	51	11	0	69	102	132	106	24	39	42	2325
64651	65016	2077	2078	0	0	90	0	12	1	0	5	7	94	201	127	115	47	67	131	398	69	109	63	129	73	10	51	11	0	69	102	132	106	24	39	42	2326
65016	65381	2078	2079	0	0	91	0	12	1	0	5	7	94	201	127	115	47	67	131	398	69	109	63	129	73	10	51	11	0	69	102	132	106	24	39	42	2327
65381	65746	2079	2080	0	0	91	0	12	1	0	5	7	94	201	127	115	47	68	132	398	69	110	63	129	73	10	51	11	0	69	102	132	106	24	39	42	2327
65746	66112	2080	2081	0	0	91	0	12	1	0	5	7	94	201	127	116	48	68	132	398	69	110	63	129	73	10	51	11	0	69	102	132	106	24	39	42	2328
66112	66477	2081	2082	0	0	91	0	12	1	0	5	7	94	202	127	116	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2329
66477	66842	2082	2083	0	0	91	0	12	1	0	5	7	94	202	127	116	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2330
66842	67207	2083	2084	0	0	91	0	12	1	0	5	7	95	202	127	116	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2331
67207	67573	2084	2085	0	0	91	0	12	1	0	5	7	95	202	127	116	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2332
67573	67938	2085	2086	0	0	91	0	12	1	0	5	7	95	202	128	116	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2333
67938	68303	2086	2087	0	0	91	0	12	1	0	5	7	95	202	128	116	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2334
68303	68668	2087	2088	0	0	91	0	12	1	0	5	7	95	202	128	117	48	68	132	398	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2335
68668	69034	2088	2089	0	0	91	0	12	1	0	5	7	95	202	128	117	49	68	132	399	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2336
69034	69399	2089	2090	0	0	91	0	12	1	0	5	7	95	202	128	117	49	68	132	399	69	110	63	129	74	10	51	11	0	69	102	132	106	24	39	42	2337
69399	69764	2090	2091	0	0	91	0	12	1	0	5	7	95	202	128	117	49	68	132	399	69	110	63	129	74	10	51	11	0	69	102	132	107	24	39	42	2338
69764	70129	2091	2092	0	0	91	0	12	1	0	5	7	95	202	128	117	49	68	132	399	69	110	63	129	74	10	51	11	0	69	102	132	107	24	39	42	2339
70129	70495	2092	2093	0	0	91	0	12	1	0	5	7	95	203	128	117	49	68	132	399	69	110	63	129	74	10	51	11	0	69	102	132	107	24	39	42	2339
70495	70860	2093	2094	0	0	91	0	12	1	0	5	7	95	203	128	117	49	68	132	399	69	110	63	129	74	10	51	11	0	69	102	133	107	24	39	42	2340
70860	71225	2094	2095	0	0	91	0	12	1	0	5	7	95	203	128	118	49	68	132	399	70	110	63	129	74	10	51	11	0	69	102	133	107	24	39	42	2341
71225	71590	2095	2096	0	0	91	0	12	1	0	5	7	95	203	128	118	49	68	132	399	70	110	63	129	74	10	51	11	0	69	102	133	107	24	39	42	2342
71590	71956	2096	2097	0	0	91	0	12	1	0	5	7	95	203	128	118	50	68	132	399	70	110	63	129	74	10	51	11	0	69	102	133	107	24	39	42	2343
71956	72321	2097	2098	0	0	91	0	12	1	0	5	7	95	203	128	118	50	68	132	400	70	110	64	129	74	10	51	11	0	69	102	133	107	24	39	42	2344
72321	72686	2098	2099	0	0	91	0	12	1	0	5	7	95	203	129	118	50	68	132	400	70	110	64	129	74	10	51	11	0	69	102	133	107	24	39	42	2345
72686	73051	2099	2100	0	0	91	0	12	1	0	5	7	95	203	129	118	50	69	133	400	70	110	64	129	74	10	51	11	0	69	102	133	107	24	39	42	2346
73051	73416	2100	2101	0	0	91	0	12	1	0	5	7	95	203	129	118	50	69	133	400	70	110	64	129	74	10	51	11	0	69	102	133	107	24	39	42	2346
73416	73781	2101	2102	0	0	91	0	12	1	0	5	7	95	203	129	118	50	69	133	400	70	110	64	129	74	10	51	11	0	69	102	133	107	24	39	42	2347
73781	74146	2102	2103	0	0	91	0	12	1	0	5	7	95	203	129	118	50	69	133	400	70	110	64	129	74	10	51	11	0	69	102	133	107	24	39	42	2348
74146	74511	2103	2104	0	0	91	0	12	1	0	5	7	95	203	129	119	50	69	133	400	70	110	64	130	74	10	51	11	0	69	102	133	107	24	39	42	2349
74511	74877	2104	2105	0	0	91	0	12	1	0	5	7	95	203	129	119	51	69	133	400	70	110	64	130	74	10	51	11	0	69	102	133	107	24	39	42	2350
74877	75242	2105	2106	0	0	91	0	12	1	0	5	7	96	204	129	119	51	69	133	400	70	110	64	130	74	10	51	11	0	69	102	133	107	24	39	42	2351
75242	75607	2106	2107	0	0	91	0	12	1	0	5	7	96	204	129	119	51	69	133	401	70	110	64	130	74	10	51	11	0	69	102	133	107	24	39	42	2351
75607	75972	2107	2108	0	0	91	0	12	1	0	5	7	96	204	129	119	51	69	133	401	70	110	64	130	74	10	51	11	0	69	102	133	107	24	39	42	2352
75972	76338	2108	2109	0	0	91	0	12	1	0	5	7	96	204	129	119	51	69	133	401	70	110	64	130	74	10	51	11	0	69	102	133	107	24	39	42	2353
76338	76703	2109	2110	0	0	91	0	12	1	0	5	7	96	204	129	119	51	69	133	401	70	110	64	130	74	10	52	11	0	69	102	133	107	24	39	42	2354
76703	77068	2110	2111	0	0	91	0	12	1	0	5	7	96	204	129	119	51	69	133	401	70	110	64	130	74	10	52	11	0	69	102	133	107	24	39	42	2355

B-3a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(ii)) (Part 3/3)



B-3a (S8a(ii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	47
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	44
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	42
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	43
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	42
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	42
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	42
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	42
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	41
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	41
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

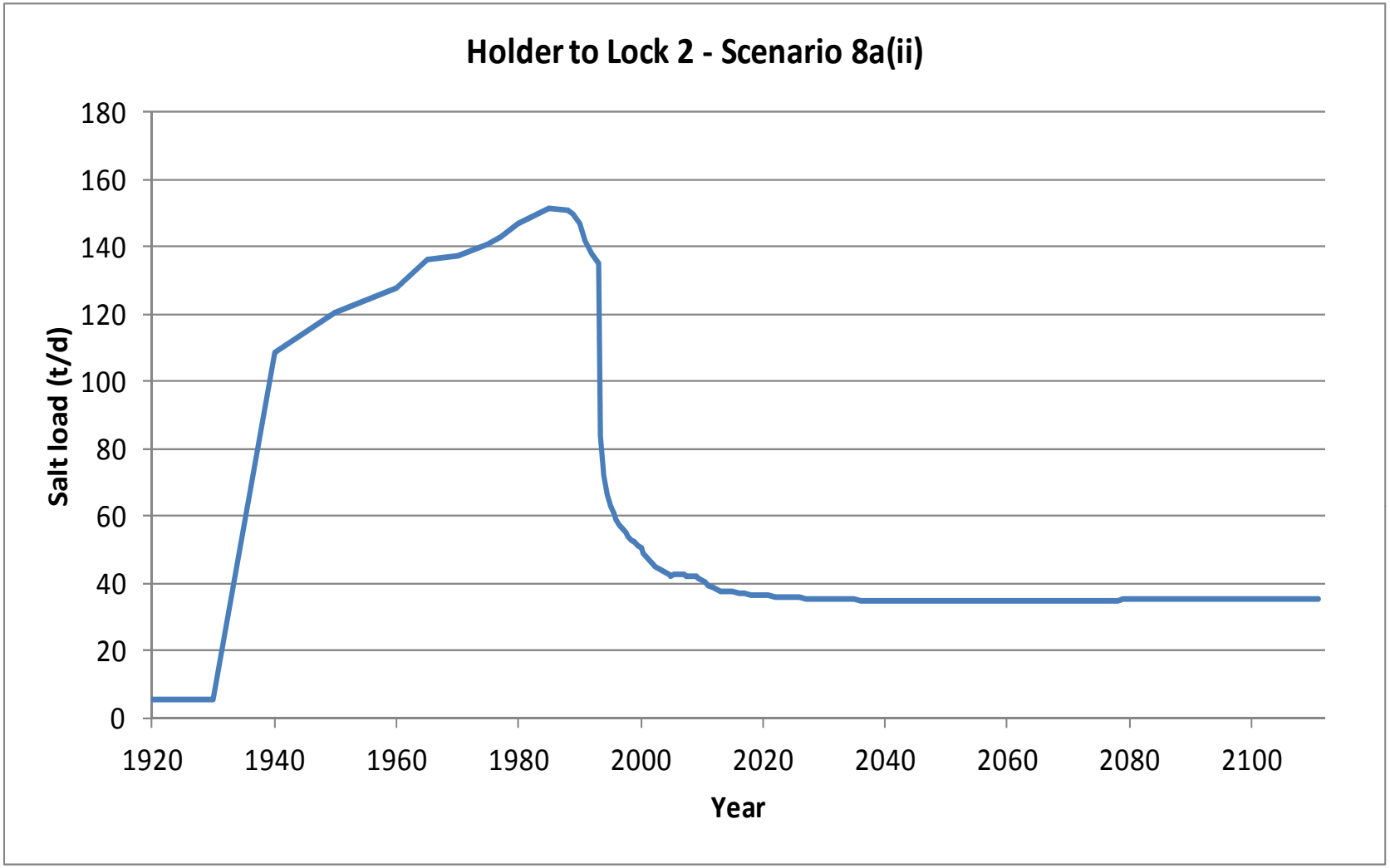
B-3b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	40
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	8	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	40
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	8	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	39
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	38
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	38
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	37
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	37
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	37
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	37
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	37
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	36
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	36
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	36
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	36
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	36
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	1	0	1	0	0	1	1	2	1	0	1	1	36
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	3	1	0	1	0	0	1	1	2	1	0	1	1	36
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	2	1	0	1	0	0	1	1	2	1	0	1	1	36
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	1	2	1	0	1	0	0	1	1	2	1	0	1	1	36
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	7	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	35
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	6	2	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	36
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(ii)) (Part 3/3)



B-3b (S8a(ii)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	247	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3222
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	123	244	137	116	57	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3143
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	122	243	136	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3068
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	6	121	243	136	113	50	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	3009
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	121	243	136	112	48	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2961
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	121	243	136	112	46	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2919
37622	37803	2003	2003.5	0	0	68	0	8	0	0	1	3	66	78	13	0	0	58	150	546	68	107	104	261	163	39	90	23	0	55	88	118	90	21	40	42	2299
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	1	37	38	1	0	0	42	138	530	62	102	101	255	160	38	89	22	0	54	88	117	89	20	40	42	2140
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	0	23	24	0	0	0	35	132	518	58	98	97	250	157	37	87	22	0	54	87	117	89	20	39	42	2061
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	0	16	18	0	0	0	32	128	509	55	95	95	246	153	36	86	21	0	53	86	116	89	20	39	42	2009
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	0	12	16	0	0	0	30	125	501	65	103	93	242	151	34	85	21	0	63	87	117	94	21	39	42	2017
38534	38718	2005.5	2006	0	0	68	0	7	0	0	0	0	10	14	0	0	0	29	123	495	64	103	91	238	148	34	84	21	0	65	89	119	96	22	40	42	2004
38718	38899	2006	2006.5	0	0	69	0	7	0	0	0	0	9	14	0	0	0	29	122	490	63	102	89	234	146	33	83	21	0	66	90	120	98	22	40	42	1989
38899	39083	2006.5	2007	0	0	70	0	8	0	0	0	0	8	13	0	0	0	28	121	485	62	101	88	231	144	32	82	20	0	67	91	121	99	23	40	42	1973
39083	39264	2007	2007.5	0	0	71	0	8	0	0	0	0	8	12	0	0	0	27	120	480	61	101	88	228	142	31	82	20	0	67	91	122	99	23	40	42	1961
39264	39448	2007.5	2008	0	0	72	0	8	0	0	0	0	7	12	0	0	0	27	119	476	60	100	87	225	139	30	81	20	0	68	92	122	100	23	40	42	1949
39448	39630	2008	2008.5	0	0	74	0	8	0	0	0	0	7	12	0	0	0	27	118	471	59	100	86	222	138	30	80	20	0	68	92	122	100	23	40	42	1937
39630	39814	2008.5	2009	0	0	75	0	8	0	0	0	0	7	11	0	0	0	26	117	468	58	99	85	219	136	29	80	20	0	68	92	123	100	23	40	42	1925
39814	39995	2009	2009.5	0	0	76	0	8	0	0	0	0	8	13	0	0	0	25	114	455	56	97	83	215	133	27	76	19	0	66	91	122	100	23	40	42	1890
39995	40179	2009.5	2010	0	0	76	0	8	0	0	1	0	9	13	0	0	0	24	112	449	54	96	81	210	130	26	75	19	0	66	90	122	100	23	40	42	1867

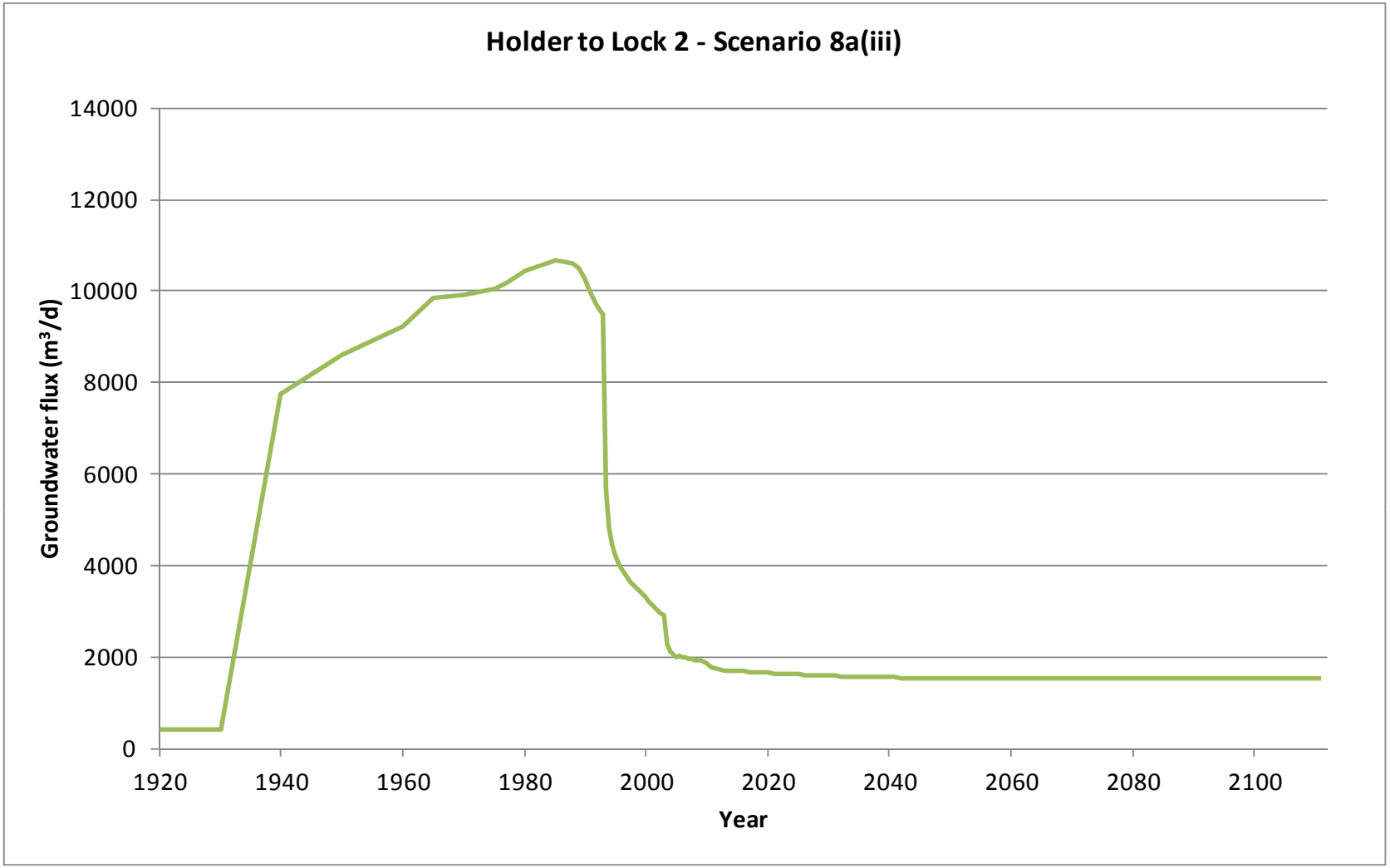
B-3a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	77	0	8	0	0	1	0	6	6	0	0	0	23	110	436	51	94	78	204	126	24	71	18	0	63	89	122	100	23	40	42	1812
40360	40544	2010.5	2011	0	0	78	0	8	0	0	1	0	4	4	0	0	0	22	108	429	49	92	76	198	122	23	69	18	0	63	88	121	99	23	40	42	1778
40544	40909	2011	2012	0	0	79	0	8	0	0	2	0	3	4	0	0	0	21	106	420	48	95	73	190	116	21	67	17	0	62	88	121	99	23	40	42	1744
40909	41275	2012	2013	0	0	80	0	8	0	0	2	0	3	4	0	0	0	20	105	412	46	94	70	183	112	20	65	16	0	62	88	122	99	23	40	42	1715
41275	41640	2013	2014	0	0	81	0	9	0	0	2	0	3	5	0	0	0	20	104	406	50	97	69	177	108	18	64	16	0	63	89	122	99	23	40	42	1707
41640	42005	2014	2015	0	0	82	0	9	0	0	2	0	3	5	0	0	0	19	103	400	52	100	69	172	105	18	63	15	0	63	90	122	100	24	40	42	1697
42005	42370	2015	2016	0	0	82	0	10	0	0	2	0	3	5	0	0	0	19	102	395	52	101	69	168	102	17	62	15	0	64	91	123	100	24	40	42	1687
42370	42736	2016	2017	0	0	83	0	10	0	0	2	0	3	5	0	0	0	19	101	390	54	103	68	165	99	16	61	15	0	64	92	123	100	24	40	42	1679
42736	43101	2017	2018	0	0	84	0	10	0	0	2	0	4	5	0	0	0	18	100	386	54	103	68	161	97	16	60	14	0	65	93	125	101	24	40	42	1672
43101	43466	2018	2019	0	0	84	0	10	0	0	2	0	4	5	0	0	0	18	100	382	54	103	68	158	95	15	59	14	0	65	94	126	103	24	40	42	1665
43466	43831	2019	2020	0	0	85	0	10	1	0	2	0	4	5	0	0	0	18	99	379	53	103	67	156	93	15	59	14	0	66	95	126	103	24	40	42	1658
43831	44197	2020	2021	0	0	85	0	10	1	0	2	0	4	5	0	0	0	18	98	376	53	103	67	153	91	15	58	14	0	66	95	127	104	24	40	42	1650
44197	44562	2021	2022	0	0	85	0	10	1	0	2	0	4	5	0	0	0	18	98	373	52	103	66	151	90	14	57	13	0	67	96	128	104	24	40	42	1642
44562	44927	2022	2023	0	0	86	0	10	1	0	2	0	4	5	0	0	0	17	97	370	52	103	66	149	88	14	57	13	0	67	97	128	104	24	40	42	1635
44927	45292	2023	2024	0	0	86	0	10	1	0	2	0	4	5	0	0	0	17	97	367	51	102	65	147	87	14	56	13	0	67	97	128	105	24	40	42	1628
45292	45658	2024	2025	0	0	86	0	11	1	0	2	0	4	5	0	0	0	17	97	365	51	102	65	145	86	13	56	13	0	67	97	129	105	24	40	42	1621
45658	46023	2025	2026	0	0	86	0	11	1	0	2	0	4	5	0	0	0	17	96	363	50	102	64	144	85	13	56	13	0	68	98	129	105	24	39	42	1615
46023	46388	2026	2027	0	0	86	0	11	1	0	2	0	4	5	0	0	0	17	96	361	50	101	64	142	84	13	55	12	0	68	98	129	105	24	39	42	1609
46388	46753	2027	2028	0	0	87	0	11	1	0	2	0	4	5	0	0	0	17	95	359	49	101	64	141	83	13	55	12	0	68	98	129	105	24	39	42	1603
46753	47119	2028	2029	0	0	87	0	11	1	0	2	0	4	5	0	0	0	17	95	357	49	101	63	139	82	12	55	12	0	68	99	130	105	24	39	42	1598
47119	47484	2029	2030	0	0	87	0	11	1	0	2	0	4	5	0	0	0	17	95	355	49	100	63	138	81	12	54	12	0	68	99	130	105	24	39	42	1593
47484	47849	2030	2031	0	0	87	0	11	1	0	2	0	4	5	0	0	0	16	95	354	48	100	63	137	80	12	54	12	0	68	99	130	105	24	39	42	1588
47849	48214	2031	2032	0	0	87	0	11	1	0	2	0	4	5	0	0	0	16	94	352	48	100	62	136	80	12	54	12	0	68	99	130	105	24	39	42	1584
48214	48580	2032	2033	0	0	87	0	11	1	0	2	0	4	5	0	0	0	16	94	351	48	100	62	135	79	12	54	12	0	68	99	130	105	24	39	42	1580
48580	48945	2033	2034	0	0	87	0	11	1	0	2	0	4	5	0	0	0	16	94	350	47	99	62	134	78	12	53	12	0	68	100	130	105	24	39	42	1576
48945	49310	2034	2035	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	94	349	47	99	61	133	78	11	53	12	0	68	100	131	106	24	39	42	1573
49310	49675	2035	2036	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	93	348	47	99	61	133	77	11	53	12	0	69	100	131	106	24	39	42	1569
49675	50041	2036	2037	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	93	347	47	99	61	132	77	11	53	11	0	69	100	131	106	24	39	42	1566
50041	50406	2037	2038	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	93	346	47	99	61	131	76	11	53	11	0	69	100	131	106	24	39	42	1564
50406	50771	2038	2039	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	93	345	46	98	60	131	76	11	52	11	0	69	100	131	106	24	39	42	1561
50771	51136	2039	2040	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	93	344	46	98	60	130	75	11	52	11	0	69	100	131	106	24	39	42	1558
51136	51502	2040	2041	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	93	343	46	98	60	130	75	11	52	11	0	69	100	131	106	24	39	42	1556
51502	51867	2041	2042	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	92	343	46	98	60	129	75	11	52	11	0	69	100	131	106	24	39	42	1554
51867	52232	2042	2043	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	92	342	46	98	60	129	74	11	52	11	0	69	100	131	106	24	39	42	1552
52232	52597	2043	2044	0	0	88	0	11	1	0	2	0	4	5	0	0	0	16	92	342	46	98	59	128	74	11	52	11	0	69	100	131	106	24	39	42	1550
52597	52963	2044	2045	0	0	89	0	11	1	0	2	0	4	5	0	0	0	16	92	341	46	98	59	128	74	10	52	11	0	69	100	131	106	24	39	42	1548
52963	53328	2045	2046	0	0	89	0	11	1	0	2	0	4	5	0	0	0	16	92	340	45	97	59	128	74	10	52	11	0	69	100	131	106	24	39	42	1547
53328	53693	2046	2047	0	0	89	0	11	1	0	2	0	4	5	0	0	0	16	92	340	45	97	59	127	73	10	52	11	0	69	101	131	106	24	39	42	1545
53693	54058	2047	2048	0	0	89	0	11	1	0	2	0	4	5	0	0	0	16	92	340	45	97	59	127	73	10	51	11	0	69	101	131	106	24	39	42	1544
54058	54424	2048	2049	0	0	89	0	11	1	0	2	0	4	5	0	0	0	16	92	339	45	97	59	127	73	10	51	11	0	69	101	131	106	24	39	42	1543
54424	54789	2049	2050	0	0	89	0	11	1	0	2	0	4	5	0	0	0	16	92	339	45	97	59	126	73	10	51	11	0	69	101	132	106	24	39	42	1542
54789	55154	2050	2051	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	92	338	45	97	59	126	73	10	51	11	0	69	101	132	106	24	39	42	1541
55154	55519	2051	2052	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	92	338	45	97	59	126	72	10	51	11	0	69	101	132	106	24	39	42	1540
55519	55885	2052	2053	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	92	338	45	97	58	126	72	10	51	11	0	69	101	132	106	24	39	42	1539
55885	56250	2053	2054	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	338	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1538
56250	56615	2054	2055	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1537
56615	56980	2055	2056	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1537
56980	57346	2056	2057	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1536
57346	57711	2057	2058	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1535
57711	58076	2058	2059	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1535
58076	58441	2059	2060	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1534

B-3a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	89	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
58807	59172	2061	2062	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
59172	59537	2062	2063	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
59537	59902	2063	2064	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
59902	60268	2064	2065	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
60268	60633	2065	2066	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
60633	60998	2066	2067	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
60998	61363	2067	2068	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
61363	61729	2068	2069	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
61729	62094	2069	2070	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
62094	62459	2070	2071	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
62459	62824	2071	2072	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
62824	63190	2072	2073	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1532
63190	63555	2073	2074	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1532
63555	63920	2074	2075	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1532
63920	64285	2075	2076	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1532
64285	64651	2076	2077	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1532
64651	65016	2077	2078	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
65016	65381	2078	2079	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
65381	65746	2079	2080	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
65746	66112	2080	2081	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
66112	66477	2081	2082	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
66477	66842	2082	2083	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
66842	67207	2083	2084	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1533
67207	67573	2084	2085	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
67573	67938	2085	2086	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
67938	68303	2086	2087	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
68303	68668	2087	2088	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
68668	69034	2088	2089	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1534
69034	69399	2089	2090	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1535
69399	69764	2090	2091	0	0	90	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1535
69764	70129	2091	2092	0	0	91	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1535
70129	70495	2092	2093	0	0	91	0	11	1	0	2	0	4	5	0	0	0	15	91	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1535
70495	70860	2093	2094	0	0	91	0	11	1	0	2	0	4	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1536
70860	71225	2094	2095	0	0	91	0	11	1	0	2	0	4	5	0	0	0	15	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1536
71225	71590	2095	2096	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1536
71590	71956	2096	2097	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1536
71956	72321	2097	2098	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1537
72321	72686	2098	2099	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1537
72686	73051	2099	2100	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1537
73051	73416	2100	2101	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1538
73416	73781	2101	2102	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1538
73781	74146	2102	2103	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1538
74146	74511	2103	2104	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1538
74511	74877	2104	2105	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1539
74877	75242	2105	2106	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1539
75242	75607	2106	2107	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	124	72	10	51	11	0	69	101	132	106	24	39	42	1539
75607	75972	2107	2108	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	124	72	10	51	11	0	69	101	132	106	24	39	42	1540
75972	76338	2108	2109	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1540
76338	76703	2109	2110	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1540
76703	77068	2110	2111	0	0	91	0	11	1	0	2	0	4	5	0	0	0	16	92	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1540

B-3a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iii)) (Part 3/3)



B-3a (S8a(iii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	47
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	34
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	32
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	30
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	30
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

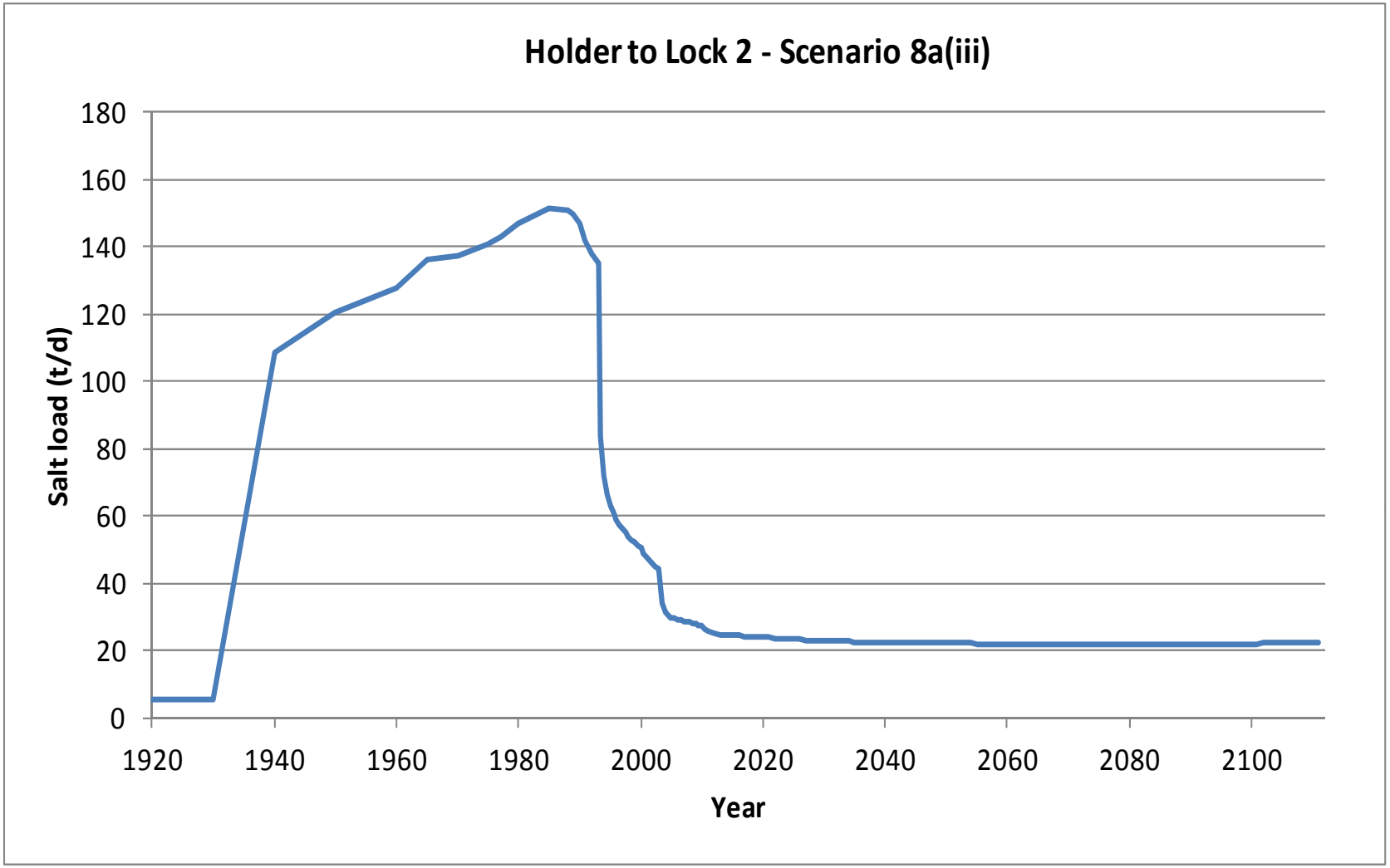
B-3b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	26
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	26
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	1	0	1	0	0	1	1	2	1	0	1	1	24
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iii)) (Part 3/3)



B-3b (S8a(iii)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	247	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3222
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	123	244	137	116	57	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3143
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	122	243	136	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3068
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	6	121	243	136	113	50	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	3009
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	121	243	136	112	48	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2961
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	121	243	136	112	46	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2919
37622	37803	2003	2003.5	0	0	68	0	8	0	0	1	3	66	78	13	0	0	58	150	546	68	107	104	261	163	39	90	23	0	55	88	118	90	21	40	42	2299
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	1	37	38	1	0	0	42	138	530	62	102	101	255	160	38	89	22	0	54	88	117	89	20	40	42	2140
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	0	23	24	0	0	0	35	132	518	58	98	97	250	157	37	87	22	0	54	87	117	89	20	39	42	2061
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	0	16	18	0	0	0	32	128	509	55	95	95	246	153	36	86	21	0	53	86	116	89	20	39	42	2009
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	0	12	16	0	0	0	30	125	501	65	103	93	242	151	34	85	21	0	63	87	117	94	21	39	42	2017
38534	38718	2005.5	2006	0	0	68	0	7	0	0	0	0	10	14	0	0	0	29	123	495	64	103	91	238	148	34	84	21	0	65	89	119	96	22	40	42	2004
38718	38899	2006	2006.5	0	0	69	0	7	0	0	0	0	9	14	0	0	0	29	122	490	63	102	89	234	146	33	83	21	0	66	90	120	98	22	40	42	1989
38899	39083	2006.5	2007	0	0	70	0	8	0	0	0	0	8	13	0	0	0	28	121	485	62	101	88	231	144	32	82	20	0	67	91	121	99	23	40	42	1973
39083	39264	2007	2007.5	0	0	71	0	8	0	0	0	0	8	12	0	0	0	27	120	480	61	101	88	228	142	31	82	20	0	67	91	122	99	23	40	42	1961
39264	39448	2007.5	2008	0	0	72	0	8	0	0	0	0	7	12	0	0	0	27	119	476	60	100	87	225	139	30	81	20	0	68	92	122	100	23	40	42	1949
39448	39630	2008	2008.5	0	0	74	0	8	0	0	0	0	7	12	0	0	0	27	118	471	59	100	86	222	138	30	80	20	0	68	92	122	100	23	40	42	1937
39630	39814	2008.5	2009	0	0	75	0	8	0	0	0	0	7	11	0	0	0	26	117	468	58	99	85	219	136	29	80	20	0	68	92	123	100	23	40	42	1925
39814	39995	2009	2009.5	0	0	76	0	8	0	0	0	0	8	13	0	0	0	25	114	455	56	97	83	215	133	27	76	19	0	66	91	122	100	23	40	42	1890
39995	40179	2009.5	2010	0	0	76	0	8	0	0	1	0	9	13	0	0	0	24	112	449	54	96	81	210	130	26	75	19	0	66	90	122	100	23	40	42	1867

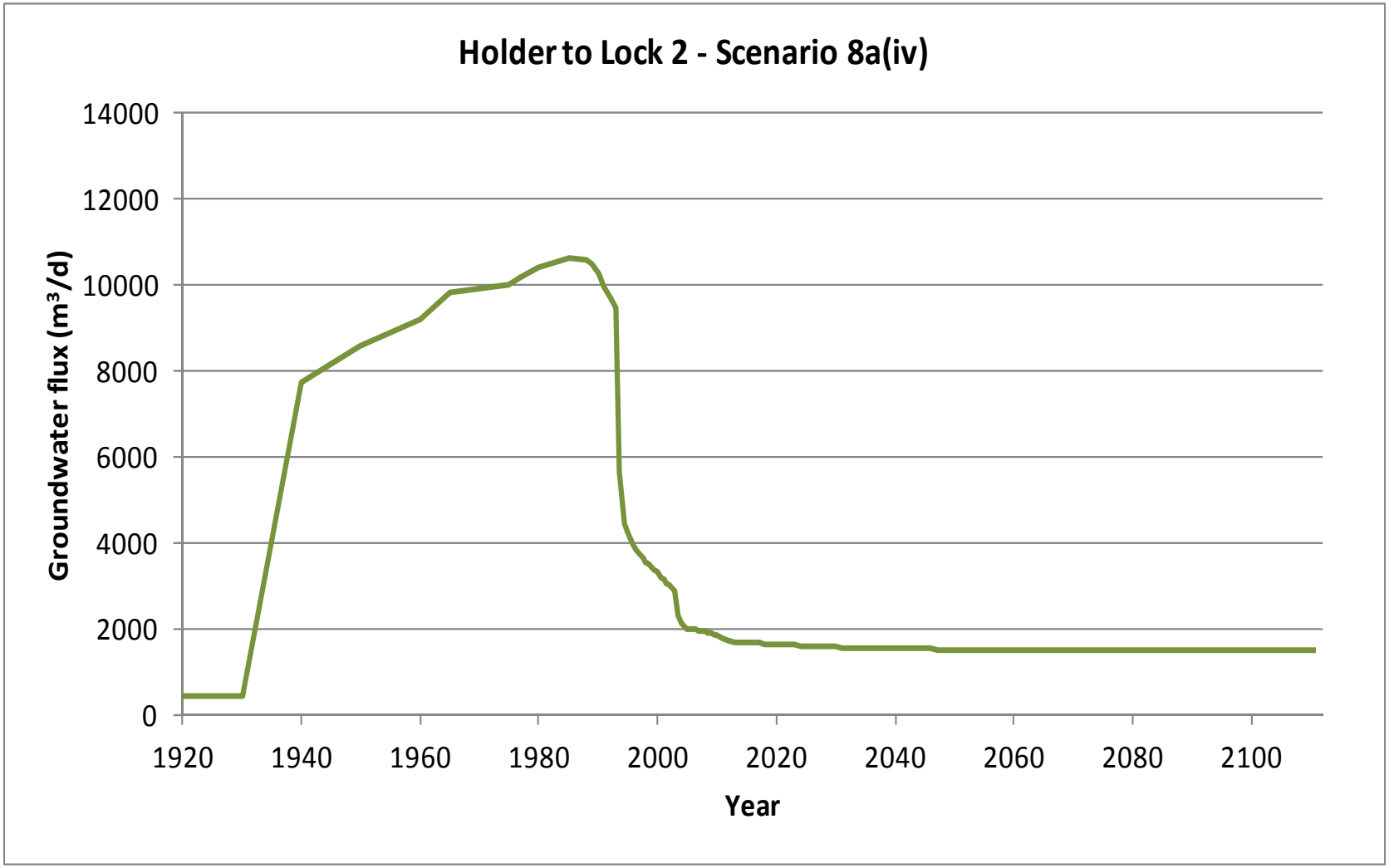
B-3a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	77	0	8	0	0	1	0	6	6	0	0	0	23	110	436	51	94	78	204	126	24	71	18	0	63	89	122	100	23	40	42	1811
40360	40544	2010.5	2011	0	0	77	0	8	0	0	1	0	4	4	0	0	0	22	108	429	49	92	76	198	122	23	69	18	0	63	88	121	99	23	40	42	1777
40544	40909	2011	2012	0	0	78	0	8	0	0	2	0	3	4	0	0	0	21	106	420	48	95	73	190	116	21	67	17	0	62	88	121	99	23	40	42	1743
40909	41275	2012	2013	0	0	79	0	8	0	0	2	0	3	4	0	0	0	20	105	412	46	94	70	183	112	20	65	16	0	62	88	122	99	23	40	42	1714
41275	41640	2013	2014	0	0	80	0	9	0	0	2	0	3	5	0	0	0	20	104	406	50	97	69	177	108	18	64	16	0	63	89	122	99	23	40	42	1705
41640	42005	2014	2015	0	0	81	0	9	0	0	2	0	3	5	0	0	0	19	103	400	52	100	69	172	105	18	63	15	0	63	90	122	100	24	40	42	1695
42005	42370	2015	2016	0	0	81	0	10	0	0	2	0	3	5	0	0	0	19	102	395	52	101	69	168	102	17	62	15	0	64	91	123	100	24	40	42	1685
42370	42736	2016	2017	0	0	82	0	10	0	0	2	0	3	5	0	0	0	19	101	390	54	103	68	165	99	16	61	15	0	64	92	123	100	24	40	42	1677
42736	43101	2017	2018	0	0	82	0	10	0	0	2	0	3	5	0	0	0	18	100	386	54	103	68	161	97	16	60	14	0	65	93	125	101	24	40	42	1669
43101	43466	2018	2019	0	0	83	0	10	0	0	2	0	3	5	0	0	0	18	100	382	53	103	68	158	95	15	59	14	0	65	94	126	103	24	40	42	1662
43466	43831	2019	2020	0	0	83	0	10	0	0	2	0	3	5	0	0	0	18	99	379	53	103	67	156	93	15	59	14	0	66	95	126	103	24	40	42	1654
43831	44197	2020	2021	0	0	83	0	10	1	0	2	0	3	5	0	0	0	18	98	376	53	103	67	153	91	15	58	14	0	66	95	127	104	24	40	42	1646
44197	44562	2021	2022	0	0	84	0	10	1	0	2	0	3	5	0	0	0	18	98	373	52	103	66	151	90	14	57	13	0	67	96	128	104	24	40	42	1638
44562	44927	2022	2023	0	0	84	0	10	1	0	2	0	3	5	0	0	0	17	97	370	52	103	66	149	88	14	57	13	0	67	97	128	104	24	40	42	1631
44927	45292	2023	2024	0	0	84	0	10	1	0	2	0	3	5	0	0	0	17	97	367	51	102	65	147	87	14	56	13	0	67	97	128	105	24	40	42	1624
45292	45658	2024	2025	0	0	84	0	10	1	0	2	0	3	5	0	0	0	17	97	365	51	102	65	145	86	13	56	13	0	67	97	129	105	24	40	42	1617
45658	46023	2025	2026	0	0	84	0	10	1	0	2	0	3	5	0	0	0	17	96	363	50	102	64	144	85	13	56	13	0	68	98	129	105	24	39	42	1611
46023	46388	2026	2027	0	0	85	0	10	1	0	2	0	3	5	0	0	0	17	96	361	50	101	64	142	84	13	55	12	0	68	98	129	105	24	39	42	1604
46388	46753	2027	2028	0	0	85	0	10	1	0	2	0	3	5	0	0	0	17	95	359	49	101	64	141	83	13	55	12	0	68	98	129	105	24	39	42	1599
46753	47119	2028	2029	0	0	85	0	10	1	0	2	0	3	5	0	0	0	17	95	357	49	101	63	139	82	12	55	12	0	68	99	130	105	24	39	42	1593
47119	47484	2029	2030	0	0	85	0	10	1	0	2	0	3	5	0	0	0	17	95	355	49	100	63	138	81	12	54	12	0	68	99	130	105	24	39	42	1588
47484	47849	2030	2031	0	0	85	0	11	1	0	2	0	3	5	0	0	0	16	95	354	48	100	63	137	80	12	54	12	0	68	99	130	105	24	39	42	1584
47849	48214	2031	2032	0	0	85	0	11	1	0	2	0	3	5	0	0	0	16	94	352	48	100	62	136	80	12	54	12	0	68	99	130	105	24	39	42	1579
48214	48580	2032	2033	0	0	85	0	11	1	0	2	0	3	5	0	0	0	16	94	351	48	100	62	135	79	12	54	12	0	68	99	130	105	24	39	42	1575
48580	48945	2033	2034	0	0	85	0	11	1	0	2	0	3	5	0	0	0	16	94	350	47	99	62	134	78	12	53	12	0	68	99	130	105	24	39	42	1571
48945	49310	2034	2035	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	94	349	47	99	61	133	78	11	53	12	0	68	100	130	106	24	39	42	1568
49310	49675	2035	2036	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	93	348	47	99	61	133	77	11	53	12	0	69	100	131	106	24	39	42	1564
49675	50041	2036	2037	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	93	347	47	99	61	132	77	11	53	11	0	69	100	131	106	24	39	42	1561
50041	50406	2037	2038	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	93	346	46	98	61	131	76	11	53	11	0	69	100	131	106	24	39	42	1558
50406	50771	2038	2039	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	93	345	46	98	60	131	76	11	52	11	0	69	100	131	106	24	39	42	1556
50771	51136	2039	2040	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	93	344	46	98	60	130	75	11	52	11	0	69	100	131	106	24	39	42	1553
51136	51502	2040	2041	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	93	343	46	98	60	130	75	11	52	11	0	69	100	131	106	24	39	42	1551
51502	51867	2041	2042	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	92	343	46	98	60	129	75	11	52	11	0	69	100	131	106	24	39	42	1549
51867	52232	2042	2043	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	92	342	46	98	60	129	74	11	52	11	0	69	100	131	106	24	39	42	1547
52232	52597	2043	2044	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	92	341	46	98	59	128	74	11	52	11	0	69	100	131	106	24	39	42	1545
52597	52963	2044	2045	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	92	341	45	98	59	128	74	10	52	11	0	69	100	131	106	24	39	42	1543
52963	53328	2045	2046	0	0	86	0	11	1	0	2	0	3	5	0	0	0	16	92	340	45	97	59	128	74	10	52	11	0	69	100	131	106	24	39	42	1542
53328	53693	2046	2047	0	0	87	0	11	1	0	2	0	3	5	0	0	0	16	92	340	45	97	59	127	73	10	52	11	0	69	100	131	106	24	39	42	1540
53693	54058	2047	2048	0	0	87	0	11	1	0	2	0	3	5	0	0	0	16	92	339	45	97	59	127	73	10	51	11	0	69	101	131	106	24	39	42	1539
54058	54424	2048	2049	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	92	339	45	97	59	127	73	10	51	11	0	69	101	131	106	24	39	42	1537
54424	54789	2049	2050	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	92	339	45	97	59	126	73	10	51	11	0	69	101	131	106	24	39	42	1536
54789	55154	2050	2051	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	92	338	45	97	59	126	73	10	51	11	0	69	101	132	106	24	39	42	1535
55154	55519	2051	2052	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	92	338	45	97	58	126	72	10	51	11	0	69	101	132	106	24	39	42	1534
55519	55885	2052	2053	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	338	45	97	58	126	72	10	51	11	0	69	101	132	106	24	39	42	1533
55885	56250	2053	2054	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1532
56250	56615	2054	2055	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1532
56615	56980	2055	2056	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1531
56980	57346	2056	2057	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1530
57346	57711	2057	2058	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1530
57711	58076	2058	2059	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1529
58076	58441	2059	2060	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1529

B-3a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
58807	59172	2061	2062	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
59172	59537	2062	2063	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
59537	59902	2063	2064	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1527
59902	60268	2064	2065	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1527
60268	60633	2065	2066	0	0	87	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1527
60633	60998	2066	2067	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1527
60998	61363	2067	2068	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1527
61363	61729	2068	2069	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1527
61729	62094	2069	2070	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1526
62094	62459	2070	2071	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1526
62459	62824	2071	2072	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1526
62824	63190	2072	2073	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1526
63190	63555	2073	2074	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1526
63555	63920	2074	2075	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1526
63920	64285	2075	2076	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1526
64285	64651	2076	2077	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
64651	65016	2077	2078	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
65016	65381	2078	2079	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
65381	65746	2079	2080	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
65746	66112	2080	2081	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
66112	66477	2081	2082	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
66477	66842	2082	2083	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
66842	67207	2083	2084	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1527
67207	67573	2084	2085	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	10	0	69	101	132	106	24	39	42	1528
67573	67938	2085	2086	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
67938	68303	2086	2087	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
68303	68668	2087	2088	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
68668	69034	2088	2089	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1528
69034	69399	2089	2090	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1529
69399	69764	2090	2091	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1529
69764	70129	2091	2092	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	335	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1529
70129	70495	2092	2093	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1529
70495	70860	2093	2094	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1530
70860	71225	2094	2095	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1530
71225	71590	2095	2096	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1530
71590	71956	2096	2097	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1530
71956	72321	2097	2098	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1531
72321	72686	2098	2099	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1531
72686	73051	2099	2100	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	91	336	44	96	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1531
73051	73416	2100	2101	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	92	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1531
73416	73781	2101	2102	0	0	88	0	11	1	0	2	0	3	5	0	0	0	15	92	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
73781	74146	2102	2103	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
74146	74511	2103	2104	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	336	44	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
74511	74877	2104	2105	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1532
74877	75242	2105	2106	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
75242	75607	2106	2107	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
75607	75972	2107	2108	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	336	45	97	58	124	71	10	51	11	0	69	101	132	106	24	39	42	1533
75972	76338	2108	2109	0	0	88	0	11	1	0	2	0	3	5	0	0	0	16	92	337	45	97	58	124	72	10	51	11	0	69	101	132	106	24	39	42	1534
76338	76703	2109	2110	0	0	89	0	11	1	0	2	0	3	5	0	0	0	16	92	337	45	97	58	124	72	10	51	11	0	69	101	132	106	24	39	42	1534
76703	77068	2110	2111	0	0	89	0	11	1	0	2	0	3	5	0	0	0	16	92	337	45	97	58	125	72	10	51	11	0	69	101	132	106	24	39	42	1534

B-3a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iv)) (Part 3/3)



B-3a (S8(iv)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	47
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	34
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	32
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	30
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	30
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	29
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

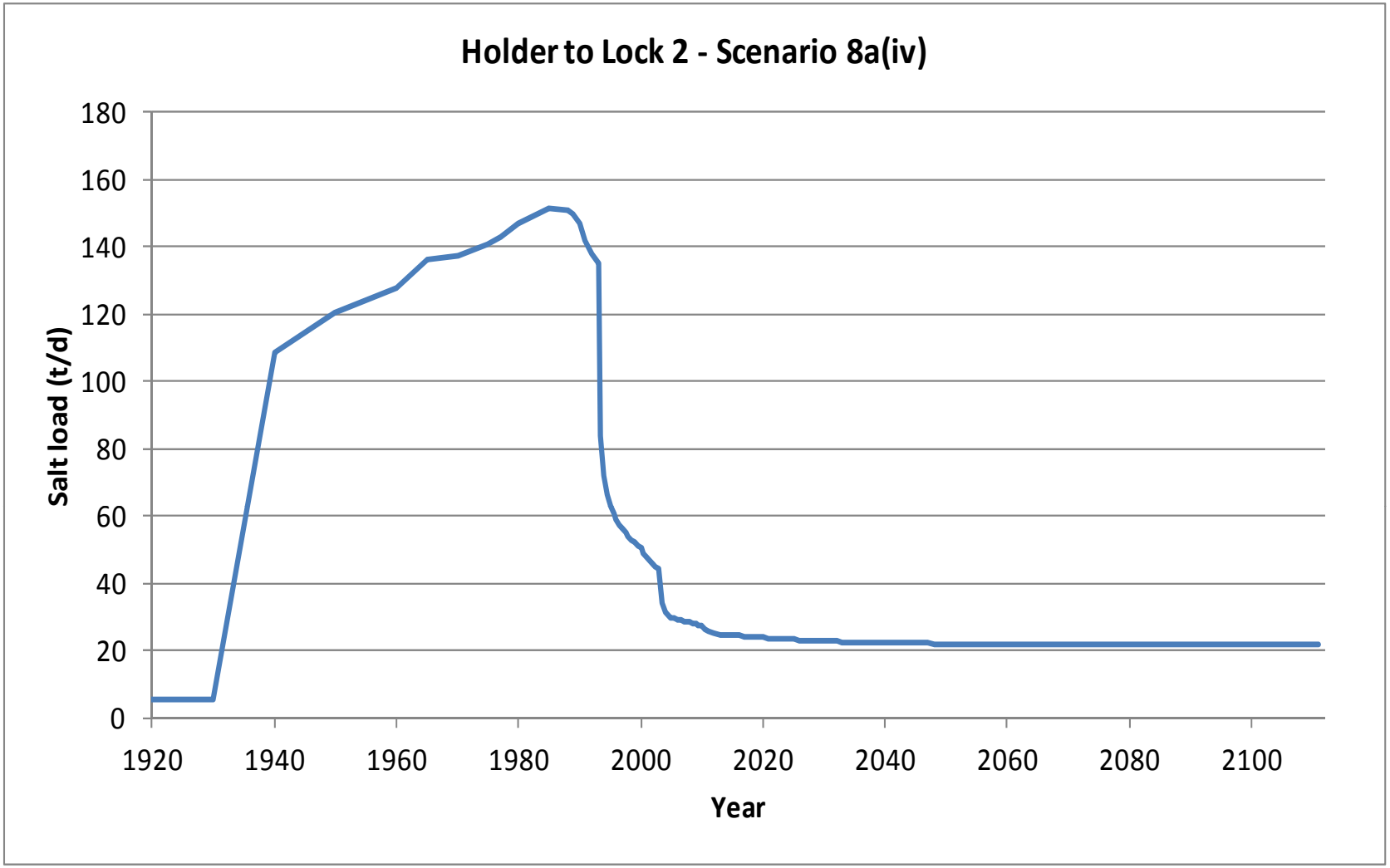
B-3b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	26
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	26
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	25
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	2	0	1	0	0	1	1	2	1	0	1	1	24
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	3	1	0	1	0	0	1	1	2	1	0	1	1	23
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	23
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	0	2	1	0	1	0	0	1	1	2	1	0	1	1	22
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8a(iv)) (Part 3/3)



B-3b (S8a(iv)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8a(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	243	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3218
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	122	238	136	116	56	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3135
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	120	234	134	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3054
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	5	118	231	133	111	49	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	2988
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	116	229	131	110	47	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2935
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	115	227	131	108	45	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2887
37622	37803	2003	2003.5	0	0	68	0	8	0	0	0	4	114	225	130	107	44	82	162	571	83	113	105	261	163	39	90	23	0	55	88	118	90	21	40	42	2845
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	4	113	224	129	106	42	81	160	565	80	110	102	256	160	38	89	22	0	54	88	117	89	20	40	42	2807
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	4	112	223	128	105	41	80	159	559	77	107	99	251	157	37	87	22	0	54	87	117	89	20	39	42	2772
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	4	111	222	128	105	40	80	158	553	74	105	97	247	154	36	86	21	0	53	86	116	89	20	39	42	2739
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	4	111	220	127	104	39	79	157	547	72	103	95	243	151	34	85	21	0	53	86	116	88	20	39	42	2710
38534	38718	2005.5	2006	0	0	66	0	7	0	0	0	3	110	220	127	103	38	78	156	542	70	101	93	239	148	33	84	20	0	52	85	116	88	20	39	42	2682
38718	38899	2006	2006.5	0	0	66	0	7	0	0	0	3	109	219	126	103	38	78	155	538	68	99	91	235	146	32	83	20	0	52	85	115	88	20	39	42	2656
38899	39083	2006.5	2007	0	0	66	0	7	0	0	0	3	109	218	126	102	37	77	154	533	66	97	89	232	143	32	82	19	0	51	84	115	88	20	39	42	2632
39083	39264	2007	2007.5	0	0	66	0	7	0	0	0	3	108	217	126	102	36	76	153	529	65	96	87	229	141	31	81	19	0	51	84	115	87	20	39	42	2609
39264	39448	2007.5	2008	0	0	66	0	7	0	0	0	3	108	216	125	101	36	76	152	524	63	94	85	226	139	30	81	19	0	51	83	114	87	20	39	42	2587
39448	39630	2008	2008.5	0	0	66	0	7	0	0	0	3	107	216	125	101	35	75	151	521	62	93	84	223	137	29	80	18	0	51	83	114	87	20	38	42	2567
39630	39814	2008.5	2009	0	0	66	0	7	0	0	0	3	107	215	125	101	35	75	150	517	61	91	82	220	135	29	79	18	0	50	83	114	87	20	38	42	2548
39814	39995	2009	2009.5	0	0	65	0	7	0	0	0	3	106	215	124	100	33	73	148	504	58	89	80	215	132	27	76	17	0	48	81	113	86	20	38	42	2501
39995	40179	2009.5	2010	0	0	65	0	7	0	0	0	3	106	214	124	100	32	72	146	498	56	87	77	210	129	26	74	17	0	47	80	113	86	20	38	42	2468

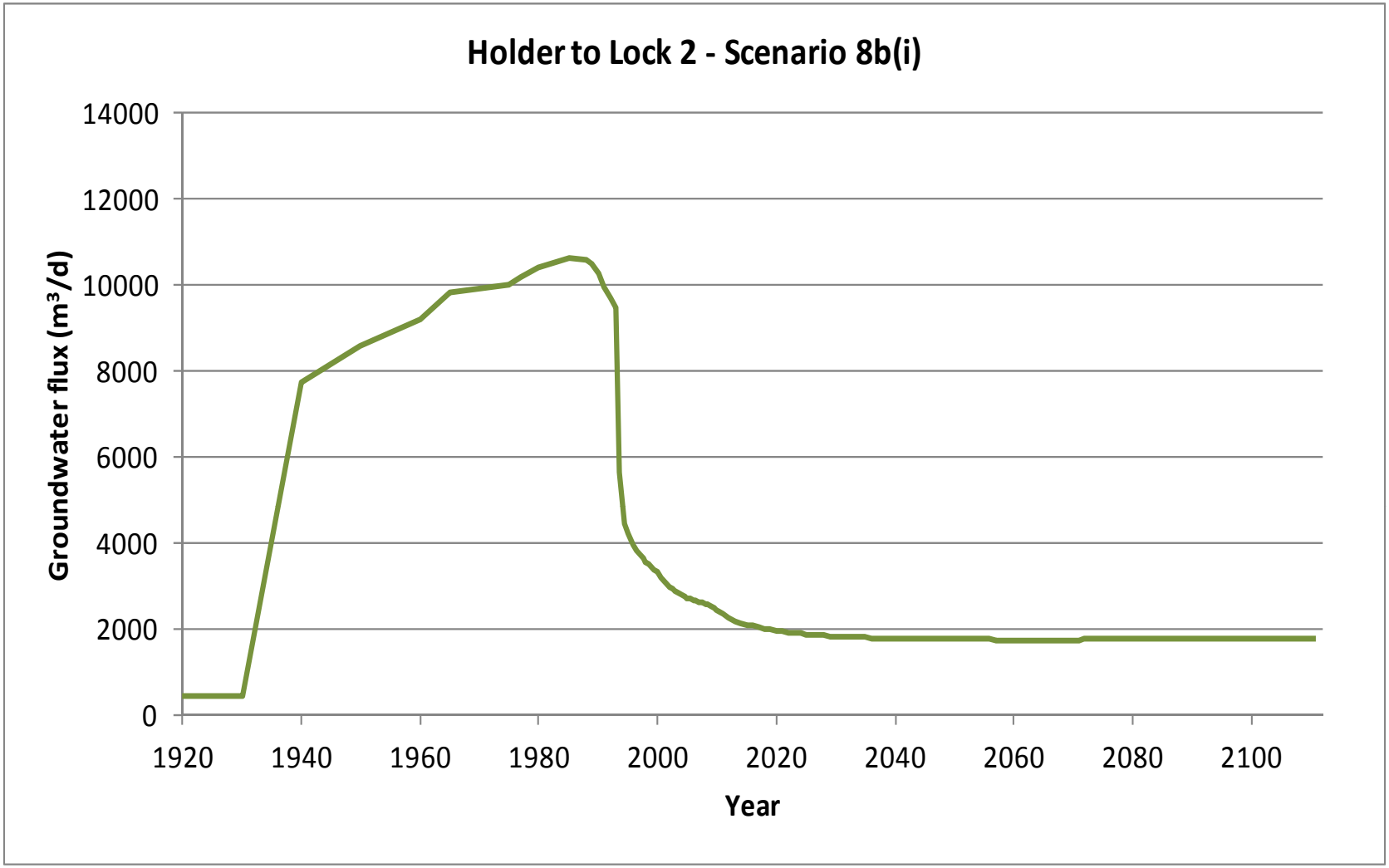
B-3a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	65	0	7	0	0	0	3	100	202	124	100	31	70	143	484	52	85	74	204	125	24	70	16	0	45	78	112	85	20	38	42	2397
40360	40544	2010.5	2011	0	0	65	0	7	0	0	0	2	93	194	123	99	29	69	141	478	50	82	71	198	121	22	68	15	0	44	77	111	85	20	38	42	2343
40544	40909	2011	2012	0	0	65	0	7	0	0	0	2	82	182	121	97	27	67	139	468	46	78	67	189	115	20	65	14	0	43	76	110	84	19	38	42	2265
40909	41275	2012	2013	0	0	65	0	7	0	0	0	1	74	174	119	96	26	66	137	459	44	75	63	182	110	19	64	14	0	42	75	110	83	19	38	42	2204
41275	41640	2013	2014	0	0	65	0	7	0	0	0	1	69	168	117	94	25	65	136	452	41	73	60	176	106	18	62	13	0	42	75	110	83	19	38	41	2155
41640	42005	2014	2015	0	0	65	0	7	0	0	0	1	65	164	115	93	24	64	135	446	39	71	58	170	102	17	61	13	0	42	74	109	83	19	38	41	2114
42005	42370	2015	2016	0	0	65	0	7	0	0	0	1	63	160	114	92	23	64	133	440	37	69	55	166	98	16	60	12	0	41	74	109	83	19	37	41	2079
42370	42736	2016	2017	0	0	64	0	7	0	0	0	1	60	158	113	91	22	63	132	434	36	67	53	161	95	16	59	12	0	41	74	109	82	19	37	41	2048
42736	43101	2017	2018	0	0	64	0	7	0	0	0	1	59	156	113	91	22	62	131	429	34	65	51	157	93	15	58	12	0	41	73	108	82	19	37	41	2021
43101	43466	2018	2019	0	0	64	0	7	0	0	0	1	57	155	112	90	21	62	130	424	33	64	50	154	90	14	57	11	0	41	73	108	82	19	37	41	1996
43466	43831	2019	2020	0	0	64	0	7	0	0	0	0	56	153	112	90	21	61	129	420	31	63	48	150	88	14	56	11	0	40	73	108	82	19	37	41	1975
43831	44197	2020	2021	0	0	64	0	7	0	0	0	0	55	152	111	90	20	61	129	416	30	61	47	147	86	13	56	11	0	40	72	108	82	19	37	41	1955
44197	44562	2021	2022	0	0	64	0	7	0	0	0	0	54	151	111	89	20	60	128	412	29	60	45	144	84	13	55	11	0	40	72	108	82	19	37	41	1937
44562	44927	2022	2023	0	0	64	0	7	0	0	0	0	54	151	111	89	20	60	127	408	28	59	44	142	82	13	54	10	0	40	72	107	81	19	37	41	1921
44927	45292	2023	2024	0	0	64	0	7	0	0	0	0	53	150	111	89	19	60	126	405	27	58	43	140	80	12	54	10	0	40	72	107	81	19	37	41	1907
45292	45658	2024	2025	0	0	64	0	6	0	0	0	0	53	150	111	89	19	59	126	402	27	57	42	138	79	12	53	10	0	40	72	107	81	19	37	41	1893
45658	46023	2025	2026	0	0	64	0	6	0	0	0	0	52	149	111	89	19	59	125	399	26	57	41	136	78	11	53	10	0	40	71	107	81	19	37	41	1881
46023	46388	2026	2027	0	0	64	0	6	0	0	0	0	52	149	111	90	19	58	124	396	25	56	40	134	76	11	53	10	0	39	71	107	81	19	37	41	1870
46388	46753	2027	2028	0	0	64	0	6	0	0	0	0	52	149	111	90	19	58	124	394	25	55	40	132	75	11	52	9	0	39	71	107	81	19	37	41	1860
46753	47119	2028	2029	0	0	64	0	6	0	0	0	0	51	149	111	90	19	58	123	391	24	55	39	131	74	11	52	9	0	39	71	107	81	19	37	41	1851
47119	47484	2029	2030	0	0	64	0	6	0	0	0	0	51	149	111	90	18	58	123	389	23	54	38	129	74	10	51	9	0	39	71	107	81	19	37	41	1843
47484	47849	2030	2031	0	0	64	0	6	0	0	0	0	51	149	111	90	18	57	122	387	23	54	37	128	73	10	51	9	0	39	71	106	81	19	36	41	1835
47849	48214	2031	2032	0	0	64	0	6	0	0	0	0	51	149	111	90	18	57	122	385	22	53	37	127	72	10	51	9	0	39	71	106	81	19	36	41	1828
48214	48580	2032	2033	0	0	64	0	6	0	0	0	0	51	149	111	91	18	57	122	383	22	53	36	126	71	10	51	9	0	39	71	106	81	19	36	41	1821
48580	48945	2033	2034	0	0	64	0	6	0	0	0	0	51	149	111	91	18	57	121	382	22	52	36	125	70	10	50	9	0	39	71	106	81	19	36	41	1815
48945	49310	2034	2035	0	0	64	0	6	0	0	0	0	51	149	111	91	18	57	121	380	21	52	35	124	70	9	50	8	0	39	70	106	80	19	36	41	1810
49310	49675	2035	2036	0	0	64	0	6	0	0	0	0	51	149	111	91	18	56	121	379	21	51	35	123	69	9	50	8	0	39	70	106	80	19	36	41	1805
49675	50041	2036	2037	0	0	64	0	6	0	0	0	0	51	149	112	92	18	56	120	377	21	51	34	122	69	9	50	8	0	39	70	106	80	19	36	41	1800
50041	50406	2037	2038	0	0	64	0	6	0	0	0	0	51	149	112	92	18	56	120	376	20	51	34	121	68	9	49	8	0	39	70	106	80	19	36	41	1796
50406	50771	2038	2039	0	0	64	0	6	0	0	0	0	51	149	112	92	18	56	120	375	20	50	34	120	68	9	49	8	0	39	70	106	80	19	36	41	1792
50771	51136	2039	2040	0	0	64	0	6	0	0	0	0	51	149	112	93	18	56	119	374	20	50	33	120	67	9	49	8	0	39	70	106	80	19	36	41	1789
51136	51502	2040	2041	0	0	64	0	6	0	0	0	0	51	149	112	93	18	56	119	372	19	50	33	119	67	9	49	8	0	39	70	106	80	19	36	41	1786
51502	51867	2041	2042	0	0	64	0	6	0	0	0	0	51	150	112	93	19	56	119	371	19	50	33	118	66	9	49	8	0	39	70	106	80	19	36	41	1783
51867	52232	2042	2043	0	0	64	0	6	0	0	0	0	51	150	113	94	19	55	119	370	19	49	32	118	66	8	49	8	0	39	70	106	80	19	36	41	1780
52232	52597	2043	2044	0	0	64	0	6	0	0	0	0	51	150	113	94	19	55	119	370	19	49	32	117	66	8	48	8	0	39	70	106	80	19	36	41	1778
52597	52963	2044	2045	0	0	64	0	6	0	0	0	0	51	150	113	94	19	55	118	369	19	49	32	117	65	8	48	8	0	39	70	106	80	19	36	41	1776
52963	53328	2045	2046	0	0	63	0	6	0	0	0	0	51	150	113	94	19	55	118	368	18	49	32	116	65	8	48	8	0	38	70	106	80	19	36	41	1774
53328	53693	2046	2047	0	0	63	0	6	0	0	0	0	51	151	113	95	19	55	118	367	18	49	32	116	65	8	48	8	0	38	70	106	80	19	36	41	1772
53693	54058	2047	2048	0	0	63	0	6	0	0	0	0	51	151	113	95	19	55	118	367	18	48	31	115	64	8	48	8	0	38	70	106	80	19	36	41	1770
54058	54424	2048	2049	0	0	63	0	6	0	0	0	0	52	151	114	95	19	55	118	366	18	48	31	115	64	8	48	7	0	38	70	106	80	19	36	41	1769
54424	54789	2049	2050	0	0	63	0	6	0	0	0	0	52	151	114	96	19	55	118	365	18	48	31	115	64	8	48	7	0	38	70	106	80	19	36	41	1768
54789	55154	2050	2051	0	0	63	0	6	0	0	0	0	52	151	114	96	19	55	118	365	18	48	31	114	64	8	48	7	0	38	70	106	80	19	36	41	1767
55154	55519	2051	2052	0	0	63	0	6	0	0	0	0	52	151	114	96	19	55	118	364	18	48	31	114	63	8	48	7	0	38	70	106	80	19	36	41	1766
55519	55885	2052	2053	0	0	63	0	6	0	0	0	0	52	152	114	96	20	55	118	364	17	48	30	114	63	8	47	7	0	38	70	106	80	18	36	41	1765
55885	56250	2053	2054	0	0	63	0	6	0	0	0	0	52	152	115	97	20	55	117	363	17	48	30	113	63	8	47	7	0	38	70	106	80	18	36	41	1764
56250	56615	2054	2055	0	0	63	0	6	0	0	0	0	52	152	115	97	20	55	117	363	17	48	30	113	63	8	47	7	0	38	70	106	80	18	36	41	1763
56615	56980	2055	2056	0	0	63	0	6	0	0	0	0	52	152	115	97	20	55	117	362	17	47	30	113	63	8	47	7	0	38	70	106	80	18	36	41	1763
56980	57346	2056	2057	0	0	63	0	6	0	0	0	0	52	152	115	98	20	55	117	362	17	47	30	113	63	8	47	7	0	38	70	106	80	18	36	41	1762
57346	57711	2057	2058	0	0	63	0	6	0	0	0	0	52	153	115	98	20	55	117	362	17	47	30	112	62	8	47	7	0	38	70	106	80	18	36	41	1762
57711	58076	2058	2059	0	0	63	0	6	0	0	0	0	52	153	115	98	20	55	117	361	17	47	30	112	62	8	47	7	0	38	70	105	80	18	36	41	1762
58076	58441	2059	2060	0	0	63	0	6	0	0	0	0	53	153	116	98	20	55	117	361	17	47	30	112	62	8	47	7	0	38	70	105	80	18	36	41	1761

B-3a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	63	0	6	0	0	0	0	53	153	116	99	21	55	117	361	17	47	30	112	62	8	47	7	0	38	70	105	80	18	36	41	1761
58807	59172	2061	2062	0	0	63	0	6	0	0	0	0	53	153	116	99	21	55	117	361	17	47	30	112	62	8	47	7	0	38	70	105	80	18	36	41	1761
59172	59537	2062	2063	0	0	63	0	6	0	0	0	0	53	154	116	99	21	55	117	360	17	47	29	112	62	8	47	7	0	38	70	105	80	18	36	41	1761
59537	59902	2063	2064	0	0	63	0	6	0	0	0	0	53	154	116	99	21	55	117	360	17	47	29	111	62	8	47	7	0	38	70	105	80	18	36	41	1761
59902	60268	2064	2065	0	0	63	0	6	0	0	0	0	53	154	116	99	21	55	117	360	17	47	29	111	62	8	47	7	0	38	70	105	80	18	36	41	1761
60268	60633	2065	2066	0	0	63	0	6	0	0	0	0	53	154	116	100	21	55	117	360	17	47	29	111	62	8	47	7	0	38	70	105	80	18	36	41	1761
60633	60998	2066	2067	0	0	63	0	6	0	0	0	0	53	154	117	100	21	55	117	360	17	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1762
60998	61363	2067	2068	0	0	63	0	6	0	0	0	0	53	154	117	100	21	55	117	359	17	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1762
61363	61729	2068	2069	0	0	63	0	6	0	0	0	0	53	155	117	100	22	55	117	359	17	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1762
61729	62094	2069	2070	0	0	63	0	6	0	0	0	0	53	155	117	101	22	55	117	359	16	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1762
62094	62459	2070	2071	0	0	63	0	6	0	0	0	0	54	155	117	101	22	55	117	359	16	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1763
62459	62824	2071	2072	0	0	63	0	6	0	0	0	0	54	155	117	101	22	55	117	359	16	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1763
62824	63190	2072	2073	0	0	63	0	6	0	0	0	0	54	155	117	101	22	55	117	359	16	47	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1763
63190	63555	2073	2074	0	0	63	0	6	0	0	0	0	54	155	117	101	22	55	117	359	16	47	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1764
63555	63920	2074	2075	0	0	63	0	6	0	0	0	0	54	155	118	102	22	55	117	359	16	47	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1764
63920	64285	2075	2076	0	0	63	0	6	0	0	0	0	54	156	118	102	22	55	117	359	16	47	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1765
64285	64651	2076	2077	0	0	63	0	6	0	0	0	0	54	156	118	102	22	55	117	359	16	46	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1765
64651	65016	2077	2078	0	0	63	0	6	0	0	0	0	54	156	118	102	23	55	117	359	16	46	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1766
65016	65381	2078	2079	0	0	63	0	6	0	0	0	0	54	156	118	102	23	55	117	359	16	46	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1766
65381	65746	2079	2080	0	0	63	0	6	0	0	0	0	54	156	118	103	23	55	117	359	16	46	29	110	61	8	47	7	0	38	70	105	80	18	36	41	1767
65746	66112	2080	2081	0	0	63	0	6	0	0	0	0	54	156	118	103	23	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1767
66112	66477	2081	2082	0	0	63	0	6	0	0	0	0	54	156	118	103	23	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1768
66477	66842	2082	2083	0	0	63	0	6	0	0	0	0	54	157	118	103	23	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1768
66842	67207	2083	2084	0	0	63	0	6	0	0	0	0	55	157	119	103	23	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1769
67207	67573	2084	2085	0	0	64	0	6	0	0	0	0	55	157	119	103	23	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1769
67573	67938	2085	2086	0	0	64	0	6	0	0	0	0	55	157	119	104	23	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1770
67938	68303	2086	2087	0	0	64	0	6	0	0	0	0	55	157	119	104	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1770
68303	68668	2087	2088	0	0	64	0	6	0	0	0	0	55	157	119	104	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1771
68668	69034	2088	2089	0	0	64	0	6	0	0	0	0	55	157	119	104	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1771
69034	69399	2089	2090	0	0	64	0	6	0	0	0	0	55	157	119	104	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1772
69399	69764	2090	2091	0	0	64	0	6	0	0	0	0	55	157	119	104	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1773
69764	70129	2091	2092	0	0	64	0	6	0	0	0	0	55	158	119	104	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1773
70129	70495	2092	2093	0	0	64	0	6	0	0	0	0	55	158	119	105	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1774
70495	70860	2093	2094	0	0	64	0	6	0	0	0	0	55	158	119	105	24	55	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1774
70860	71225	2094	2095	0	0	64	0	6	0	0	0	0	55	158	119	105	24	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1775
71225	71590	2095	2096	0	0	64	0	6	0	0	0	0	55	158	120	105	24	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1776
71590	71956	2096	2097	0	0	64	0	6	0	0	0	0	55	158	120	105	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1776
71956	72321	2097	2098	0	0	64	0	6	0	0	0	0	55	158	120	105	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1777
72321	72686	2098	2099	0	0	64	0	6	0	0	0	0	55	158	120	105	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1777
72686	73051	2099	2100	0	0	64	0	6	0	0	0	0	55	158	120	105	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1778
73051	73416	2100	2101	0	0	64	0	6	0	0	0	0	55	158	120	106	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1779
73416	73781	2101	2102	0	0	64	0	6	0	0	0	0	55	158	120	106	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1779
73781	74146	2102	2103	0	0	64	0	6	0	0	0	0	56	158	120	106	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1780
74146	74511	2103	2104	0	0	64	0	6	0	0	0	0	56	159	120	106	25	56	117	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1780
74511	74877	2104	2105	0	0	64	0	6	0	0	0	0	56	159	120	106	25	56	118	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1781
74877	75242	2105	2106	0	0	64	0	6	0	0	0	0	56	159	120	106	25	56	118	359	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1781
75242	75607	2106	2107	0	0	64	0	6	0	0	0	0	56	159	120	106	25	56	118	359	16	47	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1782
75607	75972	2107	2108	0	0	64	0	6	0	0	0	0	56	159	120	106	26	56	118	359	16	47	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1783
75972	76338	2108	2109	0	0	64	0	6	0	0	0	0	56	159	120	106	26	56	118	360	16	47	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1783
76338	76703	2109	2110	0	0	64	0	6	0	0	0	0	56	159	120	107	26	56	118	360	16	47	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1784
76703	77068	2110	2111	0	0	64	0	6	0	0	0	0	56	159	120	107	26	56	118	360	16	47	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1784

B-3a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(i)) (Part 3/3)



B-3a (S8b(i)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	45
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	42
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	42
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	41
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	41
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	40
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	40
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	40
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	39
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	39
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	39
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	2	3	2	2	0	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	38
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	2	3	2	2	0	1	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	37
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

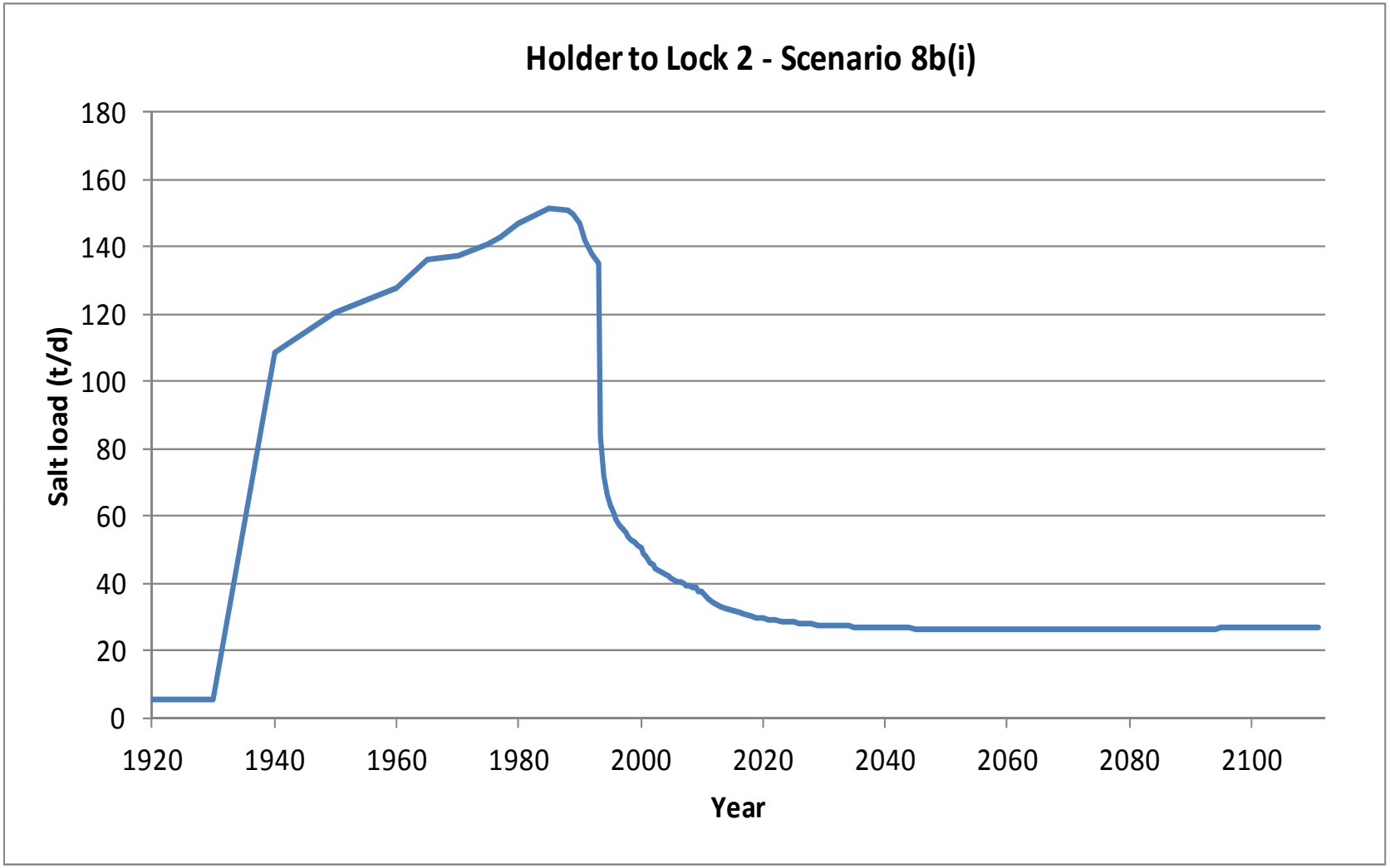
B-3b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Holder to Lock 2 (Scenario 8b(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	2	3	2	2	0	1	2	8	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	36
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	2	3	2	2	0	1	2	8	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	35
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	2	3	2	2	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	34
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	2	3	2	2	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	33
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	1	3	2	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	32
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	1	3	2	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	32
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	1	3	2	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	31
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	31
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	30
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	30
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	30
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	0	0	3	1	0	1	0	0	1	1	1	1	0	1	1	29
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	29
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	29
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	29
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	28
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Holder to Lock 2 (Scenario 8b(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	1	2	2	2	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	27
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Holder to Lock 2 (Scenario 8b(i)) (Part 3/3)



B-3b (S8b(i)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	243	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3218
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	122	238	136	116	56	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3135
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	120	234	134	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3054
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	5	118	231	133	111	49	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	2988
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	116	229	131	110	47	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2935
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	115	227	130	108	45	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2887
37622	37803	2003	2003.5	0	0	68	0	8	0	0	0	4	114	225	129	107	44	82	162	571	83	113	105	261	163	39	90	23	0	55	88	118	90	21	40	42	2844
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	4	113	223	128	105	42	81	160	565	80	110	102	256	160	38	89	22	0	54	88	117	89	20	40	42	2805
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	4	112	222	127	104	41	80	159	559	77	107	99	251	157	37	87	22	0	54	87	117	89	20	39	42	2768
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	4	111	220	126	103	40	80	158	553	74	105	97	247	154	36	86	21	0	53	86	116	89	20	39	42	2733
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	3	110	218	125	101	39	79	157	547	72	103	95	243	151	34	85	21	0	53	86	116	88	20	39	42	2701
38534	38718	2005.5	2006	0	0	66	0	7	0	0	0	3	109	216	124	100	37	78	156	542	70	101	93	239	148	33	84	20	0	52	85	116	88	20	39	42	2669
38718	38899	2006	2006.5	0	0	66	0	7	0	0	0	3	107	215	122	98	36	77	155	537	68	99	91	235	146	32	83	20	0	52	85	115	88	20	39	42	2640
38899	39083	2006.5	2007	0	0	66	0	7	0	0	0	3	106	213	121	96	35	77	154	533	66	97	89	232	143	32	82	19	0	51	84	115	88	20	39	42	2611
39083	39264	2007	2007.5	0	0	66	0	7	0	0	0	3	105	211	120	95	34	76	153	529	65	96	87	229	141	31	81	19	0	51	84	115	87	20	39	42	2584
39264	39448	2007.5	2008	0	0	66	0	7	0	0	0	3	104	209	119	93	33	76	152	524	63	94	85	226	139	30	81	19	0	51	83	114	87	20	39	42	2557
39448	39630	2008	2008.5	0	0	66	0	7	0	0	0	3	103	207	117	92	32	75	151	520	62	93	84	223	137	29	80	18	0	51	83	114	87	20	38	42	2532
39630	39814	2008.5	2009	0	0	65	0	7	0	0	0	2	101	205	116	90	31	74	150	517	61	91	82	220	135	29	79	18	0	50	83	114	87	20	38	42	2507
39814	39995	2009	2009.5	0	0	65	0	7	0	0	0	2	100	203	115	88	29	73	147	504	58	89	80	215	132	27	76	17	0	48	81	113	86	20	38	42	2455
39995	40179	2009.5	2010	0	0	65	0	7	0	0	0	2	99	201	113	86	28	71	146	498	56	87	77	210	129	26	74	17	0	47	80	113	86	20	38	42	2417

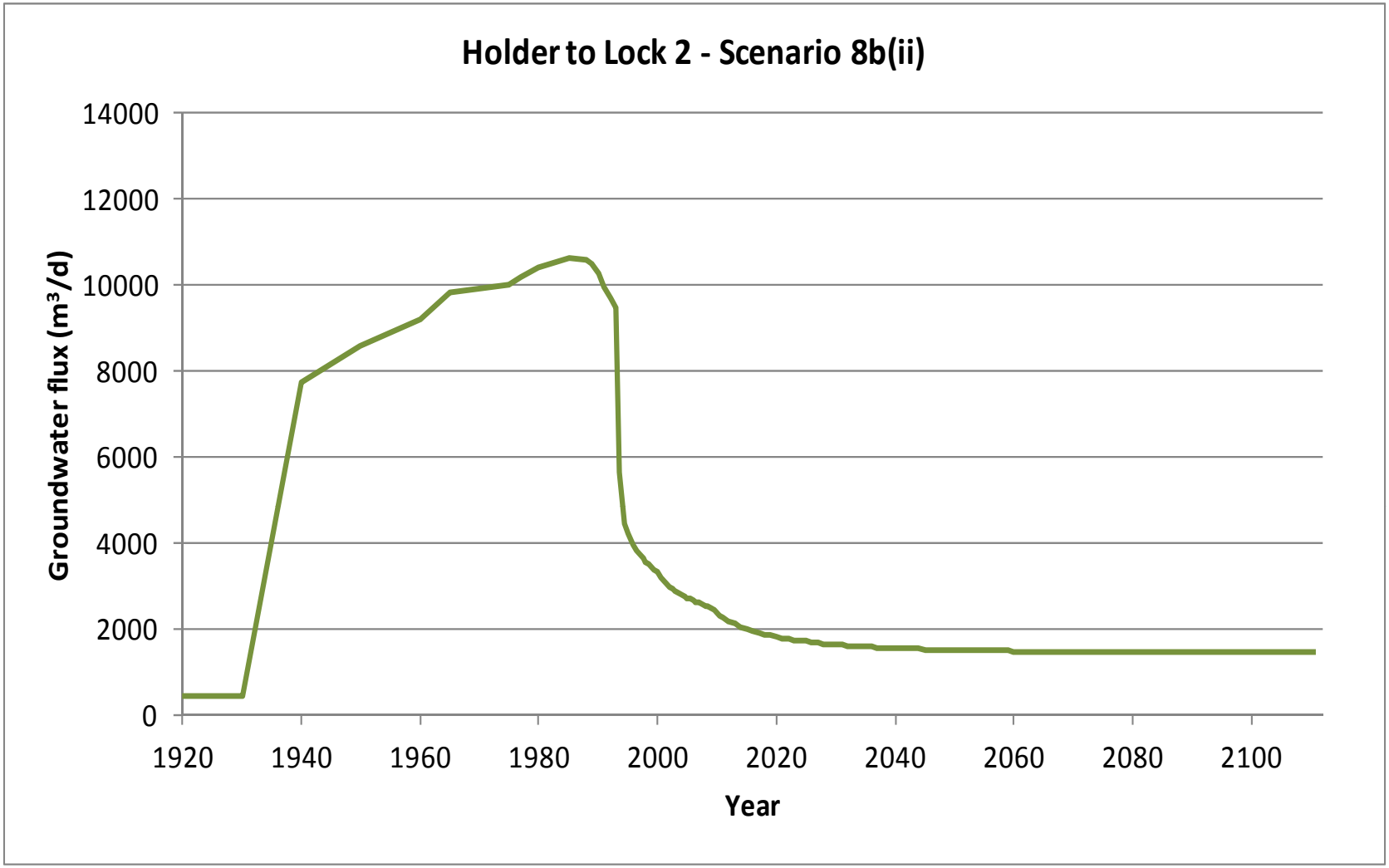
B-3a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	65	0	7	0	0	0	2	91	187	112	85	25	69	143	484	52	85	74	204	125	24	70	16	0	45	78	112	85	20	38	42	2339
40360	40544	2010.5	2011	0	0	65	0	7	0	0	0	2	84	177	110	83	23	68	141	477	50	82	71	198	121	22	68	15	0	44	77	111	85	20	38	42	2280
40544	40909	2011	2012	0	0	65	0	7	0	0	0	1	71	162	106	78	20	66	138	467	46	78	67	189	115	20	65	14	0	43	76	110	84	19	38	42	2190
40909	41275	2012	2013	0	0	65	0	7	0	0	0	1	62	151	102	74	18	65	137	459	43	75	63	182	110	19	64	14	0	42	75	110	83	19	38	42	2119
41275	41640	2013	2014	0	0	65	0	7	0	0	0	1	56	143	98	70	16	64	135	452	41	73	60	176	106	18	62	13	0	42	75	110	83	19	38	41	2060
41640	42005	2014	2015	0	0	65	0	7	0	0	0	0	50	136	94	66	13	63	134	445	39	71	58	170	102	17	61	13	0	42	74	109	83	19	38	41	2009
42005	42370	2015	2016	0	0	64	0	7	0	0	0	0	46	130	91	63	12	62	132	439	37	69	55	166	98	16	60	12	0	41	74	109	83	19	37	41	1964
42370	42736	2016	2017	0	0	64	0	7	0	0	0	0	43	125	89	61	10	61	131	433	35	67	53	161	95	16	59	12	0	41	74	109	82	19	37	41	1924
42736	43101	2017	2018	0	0	64	0	7	0	0	0	0	40	121	87	58	9	60	130	428	34	65	51	157	93	15	58	12	0	41	73	108	82	19	37	41	1889
43101	43466	2018	2019	0	0	64	0	7	0	0	0	0	37	117	85	56	8	59	129	423	32	64	50	154	90	14	57	11	0	41	73	108	82	19	37	41	1858
43466	43831	2019	2020	0	0	64	0	7	0	0	0	0	35	114	83	55	7	58	128	418	31	62	48	150	88	14	56	11	0	40	73	108	82	19	37	41	1829
43831	44197	2020	2021	0	0	64	0	6	0	0	0	0	34	111	81	53	7	58	127	414	30	61	47	147	86	13	56	11	0	40	72	108	82	19	37	41	1803
44197	44562	2021	2022	0	0	64	0	6	0	0	0	0	32	108	79	52	6	57	126	410	29	60	45	144	84	13	55	11	0	40	72	108	82	19	37	41	1779
44562	44927	2022	2023	0	0	64	0	6	0	0	0	0	31	106	78	50	6	56	125	406	28	59	44	142	82	13	54	10	0	40	72	107	81	19	37	41	1758
44927	45292	2023	2024	0	0	64	0	6	0	0	0	0	29	103	77	49	5	56	124	403	27	58	43	140	80	12	54	10	0	40	72	107	81	19	37	41	1738
45292	45658	2024	2025	0	0	64	0	6	0	0	0	0	28	101	76	48	5	55	123	400	26	57	42	138	79	12	53	10	0	40	72	107	81	19	37	41	1719
45658	46023	2025	2026	0	0	64	0	6	0	0	0	0	27	100	75	47	4	54	122	397	25	56	41	136	78	11	53	10	0	40	71	107	81	19	37	41	1702
46023	46388	2026	2027	0	0	64	0	6	0	0	0	0	26	98	74	46	4	54	122	394	25	56	40	134	76	11	53	10	0	39	71	107	81	19	37	41	1687
46388	46753	2027	2028	0	0	63	0	6	0	0	0	0	26	97	73	45	4	53	121	391	24	55	39	132	75	11	52	9	0	39	71	107	81	19	37	41	1672
46753	47119	2028	2029	0	0	63	0	6	0	0	0	0	25	95	72	44	4	53	120	388	23	54	39	131	74	11	52	9	0	39	71	107	81	19	37	41	1659
47119	47484	2029	2030	0	0	63	0	6	0	0	0	0	24	94	71	44	3	52	120	386	23	54	38	129	73	10	51	9	0	39	71	107	81	19	37	41	1646
47484	47849	2030	2031	0	0	63	0	6	0	0	0	0	24	93	71	43	3	52	119	384	22	53	37	128	73	10	51	9	0	39	71	106	81	19	36	41	1635
47849	48214	2031	2032	0	0	63	0	6	0	0	0	0	23	92	70	43	3	52	119	382	22	52	37	127	72	10	51	9	0	39	71	106	81	19	36	41	1624
48214	48580	2032	2033	0	0	63	0	6	0	0	0	0	23	91	69	42	3	51	118	380	21	52	36	126	71	10	51	9	0	39	71	106	81	19	36	41	1614
48580	48945	2033	2034	0	0	63	0	6	0	0	0	0	22	90	69	42	3	51	118	378	21	52	36	125	70	10	50	9	0	39	71	106	81	19	36	41	1605
48945	49310	2034	2035	0	0	63	0	6	0	0	0	0	22	89	68	41	3	51	117	376	21	51	35	123	70	9	50	8	0	39	70	106	80	19	36	41	1596
49310	49675	2035	2036	0	0	63	0	6	0	0	0	0	21	88	68	41	3	50	117	374	20	51	35	123	69	9	50	8	0	39	70	106	80	19	36	41	1588
49675	50041	2036	2037	0	0	63	0	6	0	0	0	0	21	88	68	41	3	50	116	373	20	50	34	122	68	9	50	8	0	39	70	106	80	19	36	41	1581
50041	50406	2037	2038	0	0	63	0	6	0	0	0	0	21	87	67	40	2	50	116	371	19	50	34	121	68	9	49	8	0	39	70	106	80	19	36	41	1574
50406	50771	2038	2039	0	0	63	0	6	0	0	0	0	20	86	67	40	2	49	116	370	19	50	33	120	67	9	49	8	0	39	70	106	80	19	36	41	1567
50771	51136	2039	2040	0	0	63	0	6	0	0	0	0	20	86	67	40	2	49	115	369	19	49	33	119	67	9	49	8	0	39	70	106	80	19	36	41	1561
51136	51502	2040	2041	0	0	63	0	6	0	0	0	0	20	85	66	39	2	49	115	367	19	49	33	119	66	9	49	8	0	39	70	106	80	19	36	41	1555
51502	51867	2041	2042	0	0	63	0	6	0	0	0	0	20	85	66	39	2	49	115	366	18	49	32	118	66	9	49	8	0	39	70	106	80	19	36	41	1550
51867	52232	2042	2043	0	0	63	0	6	0	0	0	0	20	85	66	39	2	48	114	365	18	49	32	117	66	8	49	8	0	39	70	106	80	19	36	41	1545
52232	52597	2043	2044	0	0	63	0	6	0	0	0	0	19	84	66	39	2	48	114	364	18	48	32	117	65	8	48	8	0	39	70	106	80	19	36	41	1540
52597	52963	2044	2045	0	0	63	0	6	0	0	0	0	19	84	65	39	2	48	114	363	18	48	32	116	65	8	48	8	0	38	70	106	80	19	36	41	1536
52963	53328	2045	2046	0	0	63	0	6	0	0	0	0	19	84	65	38	2	48	113	362	18	48	31	116	65	8	48	8	0	38	70	106	80	19	36	41	1532
53328	53693	2046	2047	0	0	63	0	6	0	0	0	0	19	83	65	38	2	48	113	361	17	48	31	115	64	8	48	8	0	38	70	106	80	19	36	41	1528
53693	54058	2047	2048	0	0	63	0	6	0	0	0	0	19	83	65	38	2	47	113	360	17	48	31	115	64	8	48	8	0	38	70	106	80	19	36	41	1524
54058	54424	2048	2049	0	0	63	0	6	0	0	0	0	19	83	65	38	2	47	113	360	17	47	31	114	64	8	48	7	0	38	70	106	80	19	36	41	1521
54424	54789	2049	2050	0	0	63	0	6	0	0	0	0	19	83	65	38	2	47	113	359	17	47	31	114	64	8	48	7	0	38	70	106	80	19	36	41	1518
54789	55154	2050	2051	0	0	63	0	6	0	0	0	0	18	82	64	38	2	47	112	358	17	47	30	114	63	8	48	7	0	38	70	106	80	19	36	41	1515
55154	55519	2051	2052	0	0	63	0	6	0	0	0	0	18	82	64	38	2	47	112	357	17	47	30	113	63	8	47	7	0	38	70	106	80	18	36	41	1512
55519	55885	2052	2053	0	0	63	0	6	0	0	0	0	18	82	64	38	2	47	112	357	16	47	30	113	63	8	47	7	0	38	70	106	80	18	36	41	1509
55885	56250	2053	2054	0	0	63	0	6	0	0	0	0	18	82	64	38	2	47	112	356	16	47	30	113	63	8	47	7	0	38	70	105	80	18	36	41	1507
56250	56615	2054	2055	0	0	63	0	6	0	0	0	0	18	82	64	38	2	46	112	356	16	47	30	112	62	8	47	7	0	38	70	105	80	18	36	41	1505
56615	56980	2055	2056	0	0	63	0	6	0	0	0	0	18	82	64	37	2	46	112	355	16	46	30	112	62	8	47	7	0	38	70	105	80	18	36	41	1503
56980	57346	2056	2057	0	0	63	0	6	0	0	0	0	18	81	64	37	2	46	111	355	16	46	29	112	62	8	47	7	0	38	70	105	80	18	36	41	1501
57346	57711	2057	2058	0	0	63	0	6	0	0	0	0	18	81	64	37	2	46	111	354	16	46	29	112	62	8	47	7	0	38	70	105	80	18	36	41	1499
57711	58076	2058	2059	0	0	63	0	6	0	0	0	0	18	81	64	37	2	46	111	354	16	46	29	111	62	8	47	7	0	38	70	105	80	18	36	41	1497
58076	58441	2059	2060	0	0	63	0	6	0	0	0	0	18	81	64	37	2	46	111	353	16	46	29	111	62	8	47	7	0	38	70	105	80	18	36	41	1495

B-3a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	63	0	6	0	0	0	0	18	81	64	37	2	46	111	353	16	46	29	111	62	8	47	7	0	38	70	105	80	18	36	41	1494
58807	59172	2061	2062	0	0	63	0	6	0	0	0	0	18	81	64	37	1	46	111	353	16	46	29	111	61	8	47	7	0	38	70	105	80	18	36	41	1492
59172	59537	2062	2063	0	0	63	0	6	0	0	0	0	18	81	64	37	1	46	111	352	16	46	29	111	61	8	47	7	0	38	69	105	80	18	36	41	1491
59537	59902	2063	2064	0	0	63	0	6	0	0	0	0	18	81	64	37	1	46	111	352	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1490
59902	60268	2064	2065	0	0	63	0	6	0	0	0	0	18	81	64	37	1	46	111	352	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1489
60268	60633	2065	2066	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	111	351	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1488
60633	60998	2066	2067	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	351	16	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1487
60998	61363	2067	2068	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	351	15	46	29	110	61	8	47	7	0	38	69	105	80	18	36	41	1486
61363	61729	2068	2069	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	350	15	45	28	110	61	8	47	7	0	38	69	105	80	18	36	41	1485
61729	62094	2069	2070	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	350	15	45	28	110	61	8	47	7	0	38	69	105	80	18	36	41	1484
62094	62459	2070	2071	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	350	15	45	28	110	61	8	47	7	0	38	69	105	80	18	36	41	1483
62459	62824	2071	2072	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	350	15	45	28	109	61	8	47	7	0	38	69	105	80	18	36	41	1482
62824	63190	2072	2073	0	0	63	0	6	0	0	0	0	18	81	63	37	1	45	110	350	15	45	28	109	60	8	46	7	0	38	69	105	80	18	36	41	1482
63190	63555	2073	2074	0	0	63	0	6	0	0	0	0	18	81	63	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1481
63555	63920	2074	2075	0	0	63	0	6	0	0	0	0	18	81	63	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1481
63920	64285	2075	2076	0	0	63	0	6	0	0	0	0	18	81	63	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1480
64285	64651	2076	2077	0	0	63	0	6	0	0	0	0	18	81	63	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1480
64651	65016	2077	2078	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1479
65016	65381	2078	2079	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1479
65381	65746	2079	2080	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	349	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1478
65746	66112	2080	2081	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1478
66112	66477	2081	2082	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1478
66477	66842	2082	2083	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1477
66842	67207	2083	2084	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1477
67207	67573	2084	2085	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1477
67573	67938	2085	2086	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1477
67938	68303	2086	2087	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1477
68303	68668	2087	2088	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1476
68668	69034	2088	2089	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1476
69034	69399	2089	2090	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	109	60	7	46	7	0	38	69	105	80	18	36	41	1476
69399	69764	2090	2091	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
69764	70129	2091	2092	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
70129	70495	2092	2093	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
70495	70860	2093	2094	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
70860	71225	2094	2095	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	348	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
71225	71590	2095	2096	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
71590	71956	2096	2097	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
71956	72321	2097	2098	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
72321	72686	2098	2099	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
72686	73051	2099	2100	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
73051	73416	2100	2101	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
73416	73781	2101	2102	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
73781	74146	2102	2103	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
74146	74511	2103	2104	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
74511	74877	2104	2105	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
74877	75242	2105	2106	0	0	63	0	6	0	0	0	0	18	81	64	37	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
75242	75607	2106	2107	0	0	63	0	6	0	0	0	0	18	81	64	38	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
75607	75972	2107	2108	0	0	63	0	6	0	0	0	0	18	81	64	38	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1476
75972	76338	2108	2109	0	0	63	0	6	0	0	0	0	18	81	64	38	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1477
76338	76703	2109	2110	0	0	63	0	6	0	0	0	0	18	81	64	38	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1477
76703	77068	2110	2111	0	0	63	0	6	0	0	0	0	18	81	64	38	1	45	110	347	15	45	28	108	60	7	46	7	0	38	69	105	80	18	36	41	1477

B-3a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(ii)) (Part 3/3)



B-3a (S8b(ii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	45
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	43
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	42
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	41
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	41
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	40
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	9	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	40
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	2	3	2	2	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	40
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	2	3	2	1	1	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	39
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	39
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	38
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	38
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	2	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	37
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	37
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

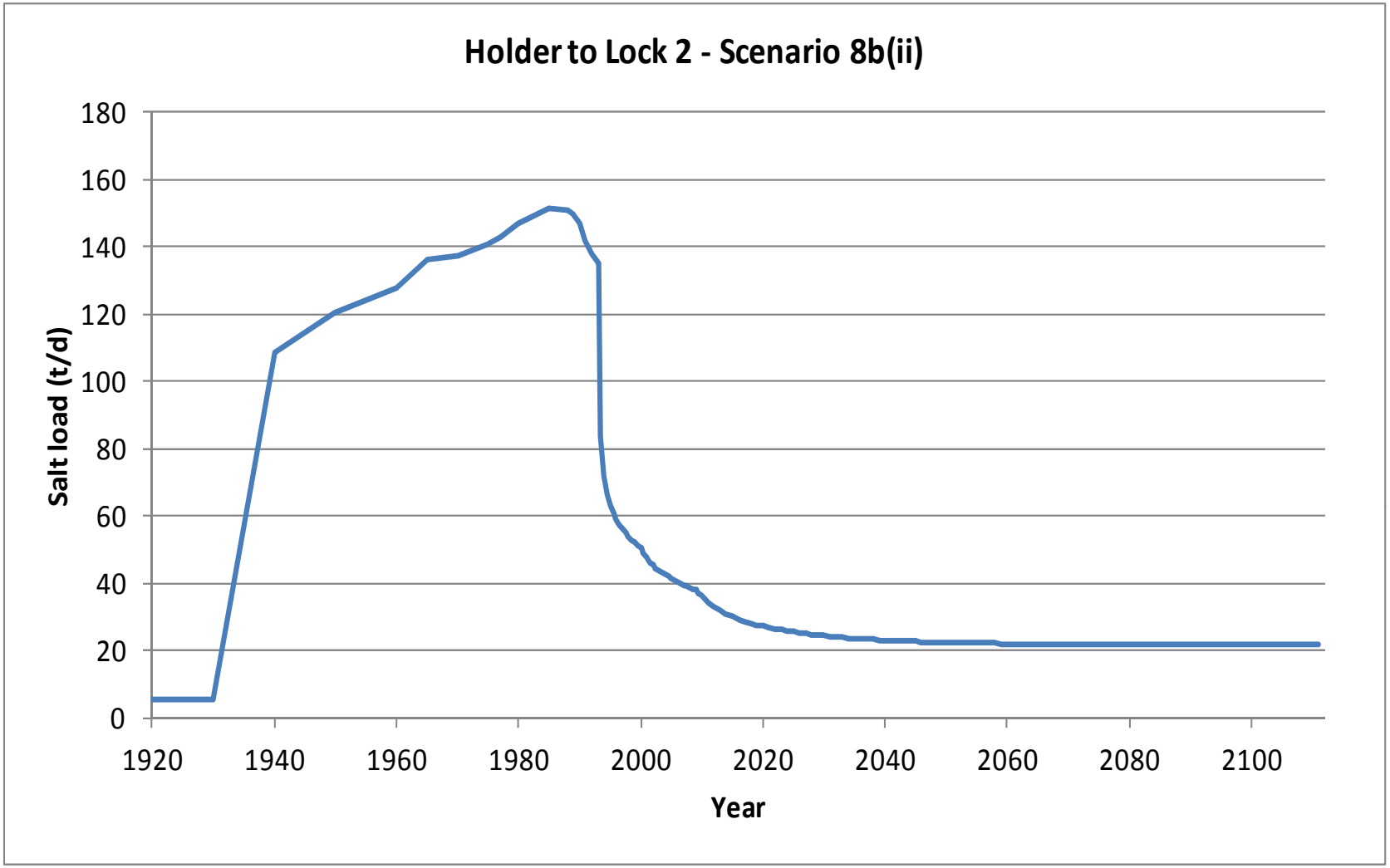
B-3b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	35
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	8	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	34
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	2	3	2	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	33
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	32
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	1	2	2	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	31
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	30
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	1	0	3	2	0	1	0	0	1	1	1	1	0	1	1	29
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	29
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	28
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	28
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	27
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	0	0	3	1	0	1	0	0	1	1	1	1	0	1	1	27
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	7	1	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	27
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	26
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	26
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	25
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	25
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	1	2	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	25
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	1	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	25
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	1	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	24
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	1	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	23
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	2	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	22
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(ii)) (Part 3/3)



B-3b (S8b(ii)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	243	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3218
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	122	238	136	116	56	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3135
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	120	234	134	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3054
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	5	118	231	133	111	49	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	2988
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	116	229	131	110	47	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2935
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	115	227	130	108	45	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2887
37622	37803	2003	2003.5	0	0	68	0	8	0	0	0	3	61	68	11	0	0	58	150	546	68	107	104	261	163	39	90	23	0	55	88	118	90	21	40	42	2282
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	1	33	31	0	0	0	42	138	530	62	102	101	255	160	38	89	22	0	54	88	117	89	20	40	42	2129
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	0	20	19	0	0	0	35	132	518	58	98	97	250	157	37	87	22	0	54	87	117	89	20	39	42	2052
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	0	13	13	0	0	0	32	128	509	55	95	95	246	153	36	86	21	0	53	86	116	89	20	39	42	2001
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	0	9	10	0	0	0	30	125	501	52	93	92	242	151	34	85	21	0	53	86	116	88	20	39	42	1963
38534	38718	2005.5	2006	0	0	66	0	7	0	0	0	0	7	8	0	0	0	29	123	494	50	91	90	238	148	33	84	20	0	52	85	116	88	20	39	42	1931
38718	38899	2006	2006.5	0	0	66	0	7	0	0	0	0	6	6	0	0	0	28	121	488	48	88	88	234	145	32	83	20	0	52	85	115	88	20	39	42	1903
38899	39083	2006.5	2007	0	0	66	0	7	0	0	0	0	5	5	0	0	0	27	120	483	46	87	86	230	143	32	82	19	0	51	84	115	88	20	39	42	1878
39083	39264	2007	2007.5	0	0	66	0	7	0	0	0	0	4	5	0	0	0	27	118	478	45	85	84	227	141	31	81	19	0	51	84	115	87	20	39	42	1855
39264	39448	2007.5	2008	0	0	66	0	7	0	0	0	0	4	4	0	0	0	26	117	473	43	83	82	224	138	30	81	19	0	51	83	114	87	20	39	42	1833
39448	39630	2008	2008.5	0	0	66	0	7	0	0	0	0	3	4	0	0	0	26	116	469	42	82	81	221	136	29	80	18	0	51	83	114	87	20	38	42	1813
39630	39814	2008.5	2009	0	0	65	0	7	0	0	0	0	3	3	0	0	0	25	115	464	41	80	79	218	134	28	79	18	0	50	83	114	87	20	38	42	1794
39814	39995	2009	2009.5	0	0	65	0	7	0	0	0	0	2	3	0	0	0	24	113	451	38	78	76	213	131	27	76	17	0	48	81	113	86	20	38	42	1750
39995	40179	2009.5	2010	0	0	65	0	7	0	0	0	0	2	3	0	0	0	23	111	445	36	76	74	208	128	26	74	17	0	47	80	112	86	20	38	42	1719

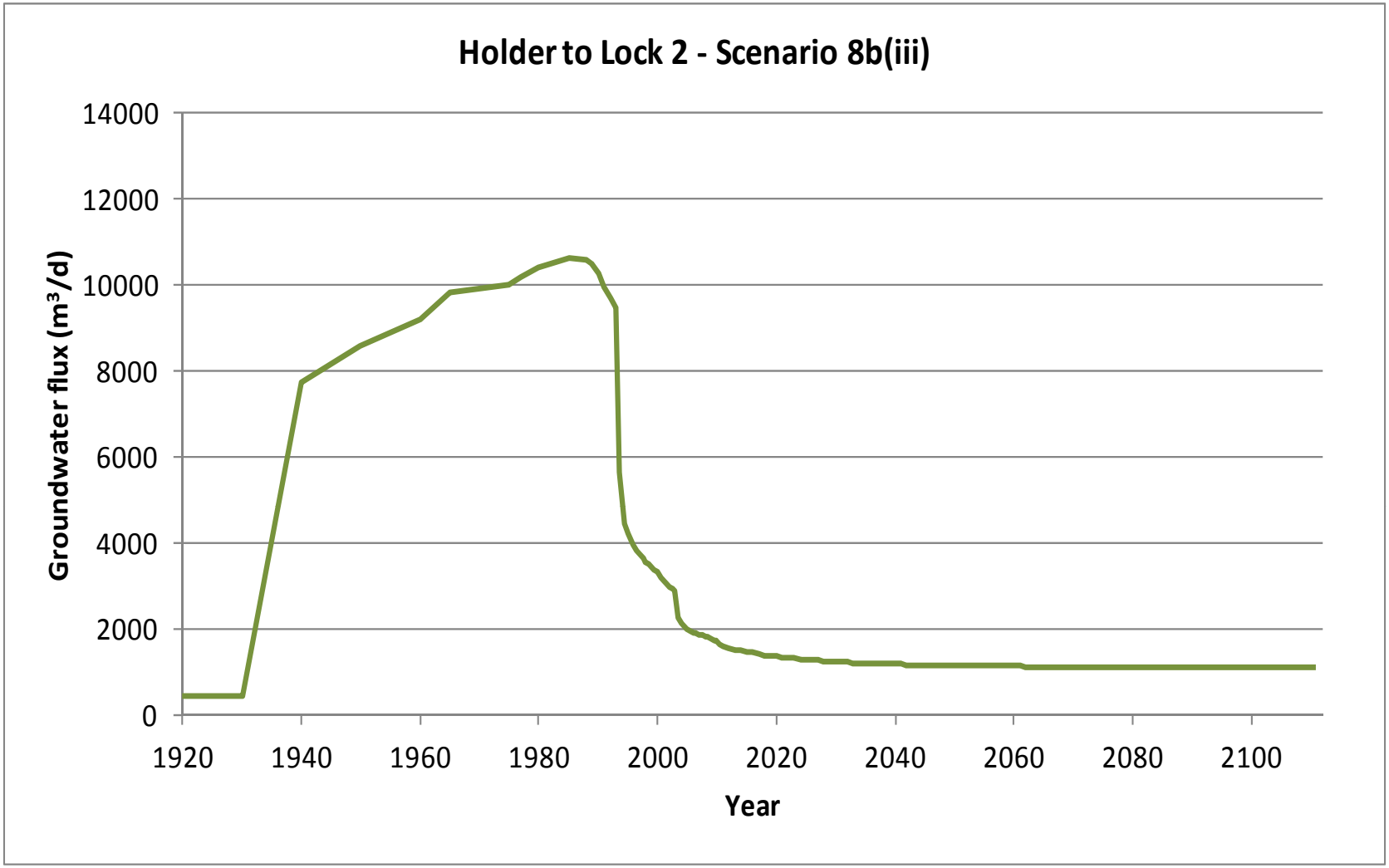
B-3a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	65	0	7	0	0	0	0	0	1	0	0	0	21	108	431	33	73	71	202	124	24	70	16	0	44	78	112	85	20	38	42	1664
40360	40544	2010.5	2011	0	0	65	0	7	0	0	0	0	0	1	0	0	0	20	106	424	30	70	68	196	120	22	68	15	0	44	77	111	85	20	38	42	1629
40544	40909	2011	2012	0	0	65	0	7	0	0	0	0	0	0	0	0	0	19	104	414	27	67	63	187	114	20	65	14	0	43	76	110	84	19	38	42	1579
40909	41275	2012	2013	0	0	65	0	7	0	0	0	0	0	0	0	0	0	19	102	405	25	64	60	180	109	19	64	14	0	42	75	110	83	19	38	42	1540
41275	41640	2013	2014	0	0	65	0	7	0	0	0	0	0	0	0	0	0	18	101	397	23	61	57	173	105	18	62	13	0	42	75	110	83	19	38	41	1507
41640	42005	2014	2015	0	0	64	0	7	0	0	0	0	0	0	0	0	0	18	100	390	21	59	54	168	101	17	61	13	0	41	74	109	83	19	38	41	1478
42005	42370	2015	2016	0	0	64	0	7	0	0	0	0	0	0	0	0	0	17	98	384	19	57	52	163	98	16	60	12	0	41	74	109	83	19	37	41	1452
42370	42736	2016	2017	0	0	64	0	7	0	0	0	0	0	0	0	0	0	17	97	378	18	55	50	159	94	15	59	12	0	41	73	109	82	19	37	41	1428
42736	43101	2017	2018	0	0	64	0	7	0	0	0	0	0	0	0	0	0	16	96	373	16	54	48	155	92	15	58	12	0	41	73	108	82	19	37	41	1406
43101	43466	2018	2019	0	0	64	0	6	0	0	0	0	0	0	0	0	0	16	95	368	15	52	46	151	89	14	57	11	0	40	73	108	82	19	37	41	1387
43466	43831	2019	2020	0	0	64	0	6	0	0	0	0	0	0	0	0	0	16	94	364	14	51	45	148	87	14	56	11	0	40	72	108	82	19	37	41	1369
43831	44197	2020	2021	0	0	64	0	6	0	0	0	0	0	0	0	0	0	15	93	360	14	50	43	144	85	13	56	11	0	40	72	108	82	19	37	41	1352
44197	44562	2021	2022	0	0	64	0	6	0	0	0	0	0	0	0	0	0	15	93	356	13	49	42	142	83	13	55	11	0	40	72	107	82	19	37	41	1337
44562	44927	2022	2023	0	0	64	0	6	0	0	0	0	0	0	0	0	0	15	92	352	12	48	41	139	81	12	54	10	0	40	72	107	81	19	37	41	1323
44927	45292	2023	2024	0	0	63	0	6	0	0	0	0	0	0	0	0	0	15	91	349	12	47	40	137	79	12	54	10	0	40	72	107	81	19	37	41	1310
45292	45658	2024	2025	0	0	63	0	6	0	0	0	0	0	0	0	0	0	14	90	346	11	46	39	135	78	12	53	10	0	40	71	107	81	19	37	41	1298
45658	46023	2025	2026	0	0	63	0	6	0	0	0	0	0	0	0	0	0	14	90	342	11	45	38	133	76	11	53	10	0	39	71	107	81	19	37	41	1287
46023	46388	2026	2027	0	0	63	0	6	0	0	0	0	0	0	0	0	0	14	89	340	10	44	37	131	75	11	52	9	0	39	71	107	81	19	37	41	1277
46388	46753	2027	2028	0	0	63	0	6	0	0	0	0	0	0	0	0	0	14	88	337	10	44	36	129	74	11	52	9	0	39	71	107	81	19	37	41	1268
46753	47119	2028	2029	0	0	63	0	6	0	0	0	0	0	0	0	0	0	13	88	335	9	43	35	128	73	10	52	9	0	39	71	106	81	19	37	41	1259
47119	47484	2029	2030	0	0	63	0	6	0	0	0	0	0	0	0	0	0	13	87	332	9	42	34	126	72	10	51	9	0	39	71	106	81	19	37	41	1250
47484	47849	2030	2031	0	0	63	0	6	0	0	0	0	0	0	0	0	0	13	87	330	9	42	34	125	71	10	51	9	0	39	71	106	81	19	36	41	1243
47849	48214	2031	2032	0	0	63	0	6	0	0	0	0	0	0	0	0	0	13	86	328	9	41	33	124	70	10	51	9	0	39	70	106	81	19	36	41	1235
48214	48580	2032	2033	0	0	63	0	6	0	0	0	0	0	0	0	0	0	13	86	326	8	41	33	123	70	10	50	9	0	39	70	106	80	19	36	41	1228
48580	48945	2033	2034	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	86	324	8	40	32	121	69	9	50	9	0	39	70	106	80	19	36	41	1222
48945	49310	2034	2035	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	85	323	8	40	31	120	68	9	50	8	0	39	70	106	80	19	36	41	1216
49310	49675	2035	2036	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	85	321	8	40	31	119	68	9	50	8	0	39	70	106	80	19	36	41	1210
49675	50041	2036	2037	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	84	319	8	39	31	118	67	9	49	8	0	39	70	106	80	19	36	41	1205
50041	50406	2037	2038	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	84	318	8	39	30	118	66	9	49	8	0	39	70	106	80	19	36	41	1200
50406	50771	2038	2039	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	84	317	7	39	30	117	66	9	49	8	0	39	70	106	80	19	36	41	1196
50771	51136	2039	2040	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	83	315	7	38	29	116	65	9	49	8	0	38	70	106	80	19	36	41	1191
51136	51502	2040	2041	0	0	63	0	6	0	0	0	0	0	0	0	0	0	12	83	314	7	38	29	115	65	8	49	8	0	38	70	106	80	19	36	41	1187
51502	51867	2041	2042	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	83	313	7	38	29	115	65	8	48	8	0	38	70	106	80	19	36	41	1183
51867	52232	2042	2043	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	83	312	7	38	28	114	64	8	48	8	0	38	70	106	80	19	36	41	1179
52232	52597	2043	2044	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	82	311	7	37	28	113	64	8	48	8	0	38	70	106	80	19	36	41	1176
52597	52963	2044	2045	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	82	310	7	37	28	113	63	8	48	8	0	38	70	106	80	19	36	41	1173
52963	53328	2045	2046	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	82	309	7	37	28	112	63	8	48	8	0	38	70	105	80	19	36	41	1170
53328	53693	2046	2047	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	82	308	7	37	27	112	63	8	48	7	0	38	70	105	80	19	36	41	1167
53693	54058	2047	2048	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	82	307	6	37	27	111	62	8	48	7	0	38	69	105	80	19	36	41	1164
54058	54424	2048	2049	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	81	306	6	36	27	111	62	8	47	7	0	38	69	105	80	18	36	41	1162
54424	54789	2049	2050	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	81	306	6	36	27	111	62	8	47	7	0	38	69	105	80	18	36	41	1159
54789	55154	2050	2051	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	81	305	6	36	27	110	62	8	47	7	0	38	69	105	80	18	36	41	1157
55154	55519	2051	2052	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	81	304	6	36	26	110	61	8	47	7	0	38	69	105	80	18	36	41	1155
55519	55885	2052	2053	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	81	304	6	36	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1153
55885	56250	2053	2054	0	0	63	0	6	0	0	0	0	0	0	0	0	0	11	81	303	6	36	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1151
56250	56615	2054	2055	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	303	6	36	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1149
56615	56980	2055	2056	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	302	6	35	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1147
56980	57346	2056	2057	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	302	6	35	26	108	60	8	47	7	0	38	69	105	80	18	36	41	1146
57346	57711	2057	2058	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	301	6	35	26	108	60	8	47	7	0	38	69	105	80	18	36	41	1144
57711	58076	2058	2059	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	301	6	35	25	108	60	8	47	7	0	38	69	105	80	18	36	41	1143
58076	58441	2059	2060	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	300	6	35	25	108	60	8	47	7	0	38	69	105	80	18	36	41	1141

B-3a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	300	6	35	25	107	60	7	47	7	0	38	69	105	80	18	36	41	1140
58807	59172	2061	2062	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	299	6	35	25	107	60	7	47	7	0	38	69	105	80	18	36	41	1139
59172	59537	2062	2063	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	80	299	6	35	25	107	59	7	46	7	0	38	69	105	80	18	36	41	1138
59537	59902	2063	2064	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	299	6	35	25	107	59	7	46	7	0	38	69	105	80	18	36	41	1137
59902	60268	2064	2065	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	35	25	107	59	7	46	7	0	38	69	105	80	18	36	41	1136
60268	60633	2065	2066	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	35	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1135
60633	60998	2066	2067	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	35	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1134
60998	61363	2067	2068	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	35	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1133
61363	61729	2068	2069	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	297	6	34	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1132
61729	62094	2069	2070	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1132
62094	62459	2070	2071	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1131
62459	62824	2071	2072	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1130
62824	63190	2072	2073	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1130
63190	63555	2073	2074	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	59	7	46	7	0	38	69	105	80	18	36	41	1129
63555	63920	2074	2075	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1128
63920	64285	2075	2076	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1128
64285	64651	2076	2077	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1127
64651	65016	2077	2078	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1127
65016	65381	2078	2079	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1127
65381	65746	2079	2080	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1126
65746	66112	2080	2081	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1126
66112	66477	2081	2082	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1125
66477	66842	2082	2083	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1125
66842	67207	2083	2084	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1125
67207	67573	2084	2085	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
67573	67938	2085	2086	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
67938	68303	2086	2087	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
68303	68668	2087	2088	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
68668	69034	2088	2089	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
69034	69399	2089	2090	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1123
69399	69764	2090	2091	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1123
69764	70129	2091	2092	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1123
70129	70495	2092	2093	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1123
70495	70860	2093	2094	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1123
70860	71225	2094	2095	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1123
71225	71590	2095	2096	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
71590	71956	2096	2097	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
71956	72321	2097	2098	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
72321	72686	2098	2099	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
72686	73051	2099	2100	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
73051	73416	2100	2101	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
73416	73781	2101	2102	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
73781	74146	2102	2103	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
74146	74511	2103	2104	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
74511	74877	2104	2105	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
74877	75242	2105	2106	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
75242	75607	2106	2107	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
75607	75972	2107	2108	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
75972	76338	2108	2109	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
76338	76703	2109	2110	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122
76703	77068	2110	2111	0	0	63	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1122

B-3a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iii)) (Part 3/3)



B-3a (S8b(iii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	45
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	34
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	31
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	30
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	28
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	26
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	26
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	26
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	25
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

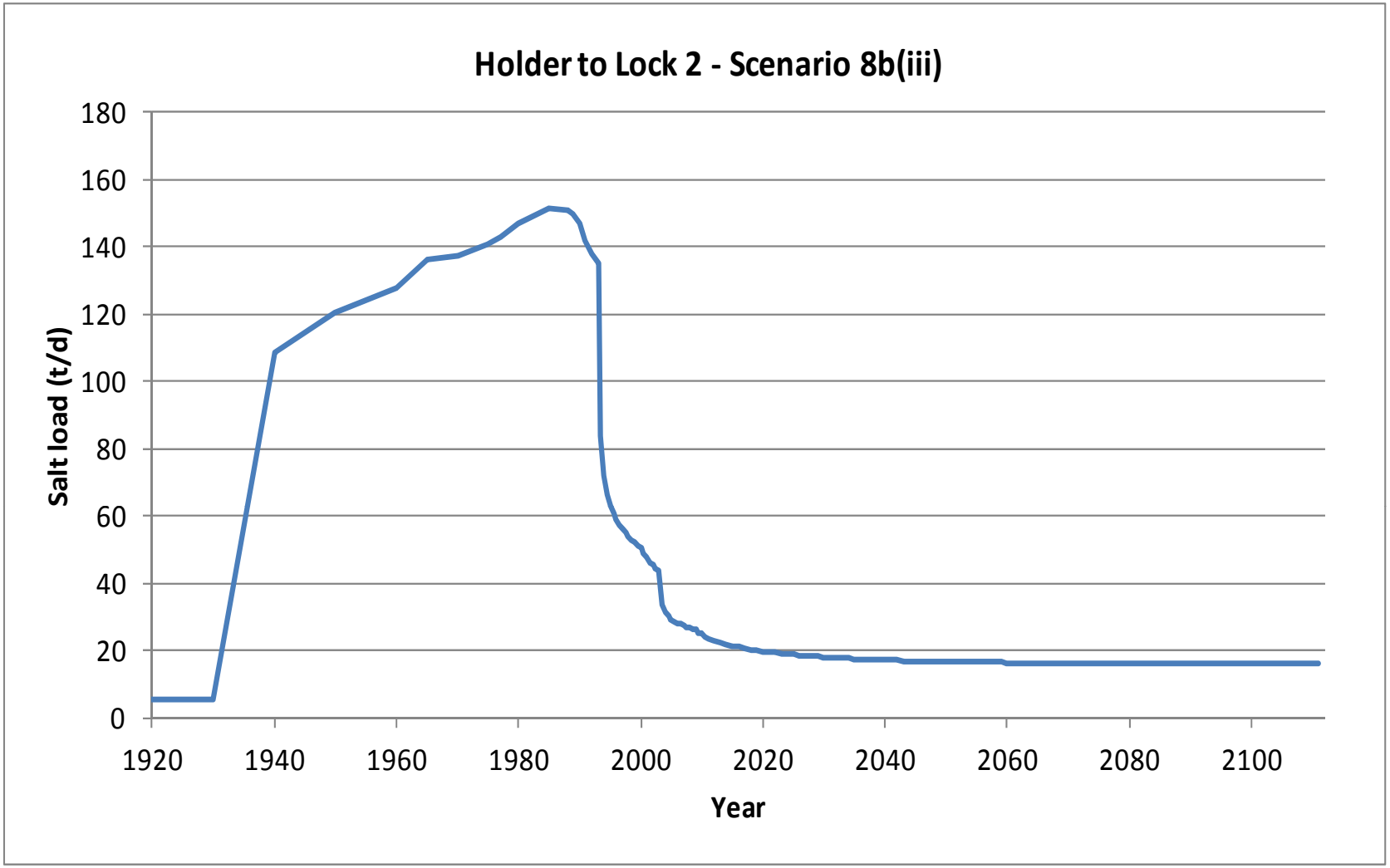
B-3b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	23
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	22
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	22
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	21
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	21
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	21
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	20
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	20
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	1	0	1	0	0	1	1	1	1	0	1	1	20
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	20
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	19
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	19
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iii)) (Part 3/3)



B-3b (S8b(iii)). Graph of Modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	40	0	1	11	52	74	70	95	46	431
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	38	130	249	1092	269	221	357	965	896	867	1084	479	221	202	147	112	148	102	124	48	7751
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	49	142	267	1184	312	258	417	1088	1021	970	1169	546	257	202	146	115	153	109	136	49	8589
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	51	141	265	1160	343	383	572	1150	1080	977	1144	551	285	244	193	187	184	115	141	49	9212
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	56	144	270	1175	352	391	586	1167	1098	993	1165	622	343	298	226	215	270	211	223	53	9858
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	59	147	274	1186	353	381	575	1170	1105	1003	1180	635	350	298	227	212	273	215	227	54	9924
25569	27395	1970	1975	0	0	154	0	16	0	0	0	0	5	35	29	20	133	170	281	1185	415	390	545	1117	1060	961	1122	614	335	276	212	201	265	213	227	54	10035
27395	28126	1975	1977	0	0	162	0	18	0	0	0	0	15	57	48	53	166	185	293	1203	431	394	541	1109	1052	954	1115	611	332	273	210	197	264	213	227	54	10175
28126	29221	1977	1980	0	0	169	0	20	0	0	0	1	26	85	69	96	218	210	315	1237	445	402	544	1106	1047	948	1110	609	331	273	210	197	263	212	226	54	10424
29221	31048	1980	1985	0	0	175	0	22	1	0	0	8	85	207	109	160	275	231	332	1246	444	400	537	1079	1023	919	1072	594	323	265	207	196	261	211	226	53	10659
31048	32143	1985	1988	0	0	178	1	23	1	0	0	12	109	240	127	190	297	236	334	1230	435	393	526	1052	999	893	1036	579	315	256	202	195	259	211	225	53	10606
32143	32509	1988	1989	0	0	179	1	23	1	0	0	13	116	249	132	198	301	234	330	1210	428	388	519	1037	987	878	1013	572	310	249	198	193	257	210	225	53	10506
32509	32874	1989	1990	0	0	164	1	22	1	0	0	14	119	250	135	203	298	229	324	1183	416	381	510	1015	969	858	984	559	303	240	192	191	252	205	221	53	10289
32874	33239	1990	1991	0	0	146	0	19	1	0	0	12	116	241	134	203	287	221	315	1148	396	369	497	989	947	834	950	540	291	228	185	187	242	194	212	53	9959
33239	33604	1991	1992	0	0	128	0	17	1	0	1	10	115	239	137	207	281	215	308	1118	377	357	484	962	923	810	920	525	281	219	180	185	236	190	209	53	9688
33604	33970	1992	1993	0	0	117	0	15	1	0	1	9	115	241	140	211	279	210	303	1094	362	347	472	938	901	789	896	512	273	214	178	183	233	188	206	52	9482
33970	34151	1993	1993.5	0	0	115	0	15	1	0	1	9	116	242	135	128	139	150	254	889	272	262	292	558	435	223	268	137	110	187	170	176	179	61	96	46	5664
34151	34335	1993.5	1994	0	0	114	0	14	1	0	1	9	117	240	132	110	102	126	230	830	225	232	250	489	344	152	200	90	33	154	158	167	154	45	74	45	4837
34335	34516	1994	1994.5	0	0	113	0	14	1	0	1	9	117	239	130	104	85	116	218	794	199	216	229	454	305	126	174	70	11	132	146	160	140	39	64	44	4451
34516	34700	1994.5	1995	0	0	113	0	14	1	0	1	9	118	239	130	102	76	110	211	771	182	205	216	431	282	112	161	59	4	118	138	154	130	36	59	43	4226
34700	34881	1995	1995.5	0	0	113	0	14	1	0	1	8	118	239	131	103	72	107	205	750	170	194	203	413	266	102	151	51	1	107	131	149	124	34	55	43	4056
34881	35065	1995.5	1996	0	0	112	0	14	0	0	1	8	119	240	132	107	71	105	201	735	161	186	193	398	254	95	145	47	1	100	125	145	119	32	53	43	3943
35065	35247	1996	1996.5	0	0	106	0	13	0	0	1	8	120	241	134	110	71	103	198	719	153	174	180	383	243	89	139	43	0	92	120	140	115	32	51	43	3822
35247	35431	1996.5	1997	0	0	105	0	13	0	0	1	8	121	242	135	114	71	102	195	707	146	167	170	370	234	83	134	41	0	87	116	136	112	31	50	43	3735
35431	35612	1997	1997.5	0	0	99	0	12	0	0	2	8	122	244	137	117	71	100	191	693	140	161	162	358	225	78	129	38	0	83	112	133	110	30	49	43	3645
35612	35796	1997.5	1998	0	0	97	0	12	0	0	2	8	123	245	138	119	71	99	189	682	135	155	155	347	218	73	125	36	0	80	109	131	108	30	48	42	3577
35796	35977	1998	1998.5	0	0	90	0	11	0	0	2	8	124	246	139	120	70	97	186	669	130	151	149	337	212	69	120	34	0	76	106	130	106	29	48	42	3501
35977	36161	1998.5	1999	0	0	88	0	11	0	0	2	8	125	247	140	122	69	95	183	659	126	147	143	327	206	66	117	33	0	74	104	128	105	29	47	42	3443
36161	36342	1999	1999.5	0	0	82	0	10	0	0	2	8	125	248	141	123	68	94	180	646	121	143	138	318	200	62	112	31	0	71	102	127	104	29	47	42	3374
36342	36526	1999.5	2000	0	0	80	0	10	0	0	2	8	126	249	142	124	67	92	178	637	117	139	133	309	195	59	109	30	0	69	100	126	103	29	47	42	3322
36526	36708	2000	2000.5	0	0	74	0	9	0	0	1	8	125	243	138	120	61	90	175	625	111	135	128	301	190	55	105	29	0	66	98	124	98	23	44	42	3218
36708	36892	2000.5	2001	0	0	71	0	9	0	0	1	7	122	238	136	116	56	89	172	615	106	131	124	293	185	52	102	27	0	63	96	123	96	22	42	42	3135
36892	37073	2001	2001.5	0	0	70	0	8	0	0	1	6	120	234	134	114	53	87	169	602	100	126	119	285	180	49	98	26	0	60	93	121	94	22	41	42	3054
37073	37257	2001.5	2002	0	0	69	0	8	0	0	1	5	118	231	133	111	49	85	167	593	95	122	115	278	175	46	95	25	0	58	91	120	92	21	41	42	2988
37257	37438	2002	2002.5	0	0	69	0	8	0	0	1	5	116	229	131	110	47	84	165	585	90	119	112	272	171	43	93	24	0	57	90	119	91	21	40	42	2935
37438	37622	2002.5	2003	0	0	68	0	8	0	0	1	5	115	227	130	108	45	83	163	578	86	115	108	266	167	41	91	23	0	56	89	118	90	21	40	42	2887
37622	37803	2003	2003.5	0	0	68	0	8	0	0	0	3	61	68	11	0	0	58	150	546	68	107	104	261	163	39	90	23	0	55	88	118	90	21	40	42	2282
37803	37987	2003.5	2004	0	0	67	0	8	0	0	0	1	33	31	0	0	0	42	138	530	62	102	101	255	160	38	89	22	0	54	88	117	89	20	40	42	2129
37987	38169	2004	2004.5	0	0	67	0	8	0	0	0	0	20	19	0	0	0	35	132	518	58	98	97	250	157	37	87	22	0	54	87	117	89	20	39	42	2052
38169	38353	2004.5	2005	0	0	67	0	7	0	0	0	0	13	13	0	0	0	32	128	509	55	95	95	246	153	36	86	21	0	53	86	116	89	20	39	42	2001
38353	38534	2005	2005.5	0	0	67	0	7	0	0	0	0	9	10	0	0	0	30	125	501	52	93	92	242	151	34	85	21	0	53	86	116	88	20	39	42	1963
38534	38718	2005.5	2006	0	0	66	0	7	0	0	0	0	7	8	0	0	0	29	123	494	50	91	90	238	148	33	84	20	0	52	85	116	88	20	39	42	1931
38718	38899	2006	2006.5	0	0	66	0	7	0	0	0	0	6	6	0	0	0	28	121	488	48	88	88	234	145	32	83	20	0	52	85	115	88	20	39	42	1903
38899	39083	2006.5	2007	0	0	66	0	7	0	0	0	0	5	5	0	0	0	27	120	483	46	87	86	230	143	32	82	19	0	51	84	115	88	20	39	42	1878
39083	39264	2007	2007.5	0	0	66	0	7	0	0	0	0	4	5	0	0	0	27	118	478	45	85	84	227	141	31	81	19	0	51	84	115	87	20	39	42	1855
39264	39448	2007.5	2008	0	0	66	0	7	0	0	0	0	4	4	0	0	0	26	117	473	43	83	82	224	138	30	81	19	0	51	83	114	87	20	39	42	1833
39448	39630	2008	2008.5	0	0	66	0	7	0	0	0	0	3	4	0	0	0	26	116	469	42	82	81	221	136	29	80	18	0	51	83	114	87	20	38	42	1813
39630	39814	2008.5	2009	0	0	65	0	7	0	0	0	0	3	3	0	0	0	25	115	464	41	80	79	218	134	28	79	18	0	50	83	114	87	20	38	42	1794
39814	39995	2009	2009.5	0	0	65	0	7	0	0	0	0	2	3	0	0	0	24	113	451	38	78	76	213	131	27	76	17	0	48	81	113	86	20	38	42	1749
39995	40179	2009.5	2010	0	0	65	0	7	0	0	0	0	2	3	0	0	0	23	111	445	36	76	74	208	128	26	74	17	0	47	80	112	86	20	38	42	1718

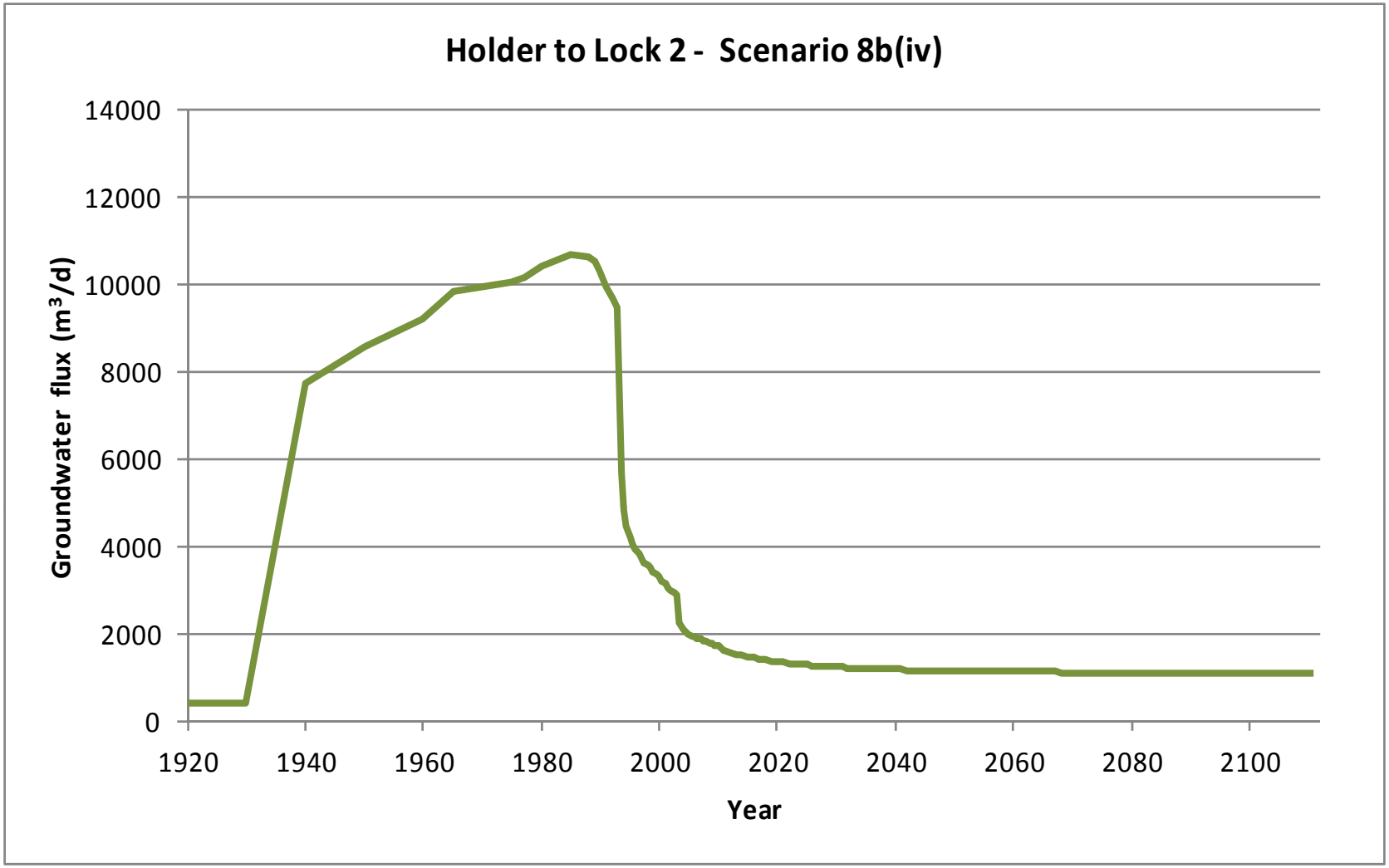
B-3a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	65	0	7	0	0	0	0	0	1	0	0	0	21	108	431	33	73	71	202	124	24	70	16	0	44	78	112	85	20	38	42	1664
40360	40544	2010.5	2011	0	0	65	0	7	0	0	0	0	0	1	0	0	0	20	106	424	30	70	68	196	120	22	68	15	0	44	77	111	85	20	38	42	1628
40544	40909	2011	2012	0	0	64	0	7	0	0	0	0	0	0	0	0	0	19	104	414	27	67	63	187	114	20	65	14	0	43	76	110	84	19	38	42	1578
40909	41275	2012	2013	0	0	64	0	7	0	0	0	0	0	0	0	0	0	19	102	405	25	64	60	180	109	19	64	14	0	42	75	110	83	19	38	42	1539
41275	41640	2013	2014	0	0	64	0	7	0	0	0	0	0	0	0	0	0	18	101	397	23	61	57	173	105	18	62	13	0	42	75	110	83	19	38	41	1506
41640	42005	2014	2015	0	0	63	0	7	0	0	0	0	0	0	0	0	0	18	100	390	21	59	54	168	101	17	61	13	0	41	74	109	83	19	38	41	1477
42005	42370	2015	2016	0	0	63	0	6	0	0	0	0	0	0	0	0	0	17	98	384	19	57	52	163	98	16	60	12	0	41	74	109	83	19	37	41	1450
42370	42736	2016	2017	0	0	63	0	6	0	0	0	0	0	0	0	0	0	17	97	378	18	55	50	159	94	15	59	12	0	41	73	109	82	19	37	41	1426
42736	43101	2017	2018	0	0	63	0	6	0	0	0	0	0	0	0	0	0	16	96	373	16	54	48	155	92	15	58	12	0	41	73	108	82	19	37	41	1405
43101	43466	2018	2019	0	0	62	0	6	0	0	0	0	0	0	0	0	0	16	95	368	15	52	46	151	89	14	57	11	0	40	73	108	82	19	37	41	1385
43466	43831	2019	2020	0	0	62	0	6	0	0	0	0	0	0	0	0	0	16	94	364	14	51	45	148	87	14	56	11	0	40	72	108	82	19	37	41	1367
43831	44197	2020	2021	0	0	62	0	6	0	0	0	0	0	0	0	0	0	15	93	360	13	50	43	144	85	13	56	11	0	40	72	108	82	19	37	41	1351
44197	44562	2021	2022	0	0	62	0	6	0	0	0	0	0	0	0	0	0	15	93	356	13	48	42	142	83	13	55	11	0	40	72	107	82	19	37	41	1335
44562	44927	2022	2023	0	0	62	0	6	0	0	0	0	0	0	0	0	0	15	92	352	12	47	41	139	81	12	54	10	0	40	72	107	81	19	37	41	1321
44927	45292	2023	2024	0	0	62	0	6	0	0	0	0	0	0	0	0	0	15	91	349	12	47	40	137	79	12	54	10	0	40	71	107	81	19	37	41	1309
45292	45658	2024	2025	0	0	62	0	6	0	0	0	0	0	0	0	0	0	14	90	345	11	46	39	135	78	12	53	10	0	40	71	107	81	19	37	41	1296
45658	46023	2025	2026	0	0	62	0	6	0	0	0	0	0	0	0	0	0	14	90	342	11	45	38	133	76	11	53	10	0	39	71	107	81	19	37	41	1285
46023	46388	2026	2027	0	0	62	0	6	0	0	0	0	0	0	0	0	0	14	89	340	10	44	37	131	75	11	52	9	0	39	71	107	81	19	37	41	1275
46388	46753	2027	2028	0	0	62	0	6	0	0	0	0	0	0	0	0	0	14	88	337	10	44	36	129	74	11	52	9	0	39	71	107	81	19	37	41	1265
46753	47119	2028	2029	0	0	61	0	6	0	0	0	0	0	0	0	0	0	13	88	334	9	43	35	128	73	10	52	9	0	39	71	106	81	19	37	41	1256
47119	47484	2029	2030	0	0	61	0	6	0	0	0	0	0	0	0	0	0	13	87	332	9	42	34	126	72	10	51	9	0	39	71	106	81	19	37	41	1248
47484	47849	2030	2031	0	0	61	0	6	0	0	0	0	0	0	0	0	0	13	87	330	9	42	34	125	71	10	51	9	0	39	70	106	81	19	36	41	1240
47849	48214	2031	2032	0	0	61	0	6	0	0	0	0	0	0	0	0	0	13	86	328	9	41	33	124	70	10	51	9	0	39	70	106	81	19	36	41	1233
48214	48580	2032	2033	0	0	61	0	6	0	0	0	0	0	0	0	0	0	13	86	326	8	41	32	123	70	10	50	9	0	39	70	106	80	19	36	41	1226
48580	48945	2033	2034	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	86	324	8	40	32	121	69	9	50	9	0	39	70	106	80	19	36	41	1220
48945	49310	2034	2035	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	85	322	8	40	31	120	68	9	50	8	0	39	70	106	80	19	36	41	1214
49310	49675	2035	2036	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	85	321	8	40	31	119	68	9	50	8	0	39	70	106	80	19	36	41	1208
49675	50041	2036	2037	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	84	319	8	39	31	118	67	9	49	8	0	39	70	106	80	19	36	41	1203
50041	50406	2037	2038	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	84	318	8	39	30	118	66	9	49	8	0	39	70	106	80	19	36	41	1198
50406	50771	2038	2039	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	84	316	7	39	30	117	66	9	49	8	0	38	70	106	80	19	36	41	1193
50771	51136	2039	2040	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	83	315	7	38	29	116	65	9	49	8	0	38	70	106	80	19	36	41	1189
51136	51502	2040	2041	0	0	61	0	6	0	0	0	0	0	0	0	0	0	12	83	314	7	38	29	115	65	8	49	8	0	38	70	106	80	19	36	41	1185
51502	51867	2041	2042	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	83	313	7	38	29	115	65	8	48	8	0	38	70	106	80	19	36	41	1181
51867	52232	2042	2043	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	83	312	7	37	28	114	64	8	48	8	0	38	70	106	80	19	36	41	1177
52232	52597	2043	2044	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	82	311	7	37	28	113	64	8	48	8	0	38	70	106	80	19	36	41	1174
52597	52963	2044	2045	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	82	310	7	37	28	113	63	8	48	8	0	38	70	105	80	19	36	41	1170
52963	53328	2045	2046	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	82	309	7	37	28	112	63	8	48	8	0	38	70	105	80	19	36	41	1167
53328	53693	2046	2047	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	82	308	6	37	27	112	63	8	48	7	0	38	69	105	80	19	36	41	1164
53693	54058	2047	2048	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	81	307	6	36	27	111	62	8	48	7	0	38	69	105	80	19	36	41	1162
54058	54424	2048	2049	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	81	306	6	36	27	111	62	8	47	7	0	38	69	105	80	18	36	41	1159
54424	54789	2049	2050	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	81	306	6	36	27	111	62	8	47	7	0	38	69	105	80	18	36	41	1157
54789	55154	2050	2051	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	81	305	6	36	27	110	62	8	47	7	0	38	69	105	80	18	36	41	1154
55154	55519	2051	2052	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	81	304	6	36	26	110	61	8	47	7	0	38	69	105	80	18	36	41	1152
55519	55885	2052	2053	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	81	304	6	36	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1150
55885	56250	2053	2054	0	0	61	0	6	0	0	0	0	0	0	0	0	0	11	80	303	6	36	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1148
56250	56615	2054	2055	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	302	6	35	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1146
56615	56980	2055	2056	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	302	6	35	26	109	61	8	47	7	0	38	69	105	80	18	36	41	1145
56980	57346	2056	2057	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	301	6	35	26	108	60	8	47	7	0	38	69	105	80	18	36	41	1143
57346	57711	2057	2058	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	301	6	35	26	108	60	8	47	7	0	38	69	105	80	18	36	41	1142
57711	58076	2058	2059	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	301	6	35	25	108	60	8	47	7	0	38	69	105	80	18	36	41	1140
58076	58441	2059	2060	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	300	6	35	25	108	60	8	47	7	0	38	69	105	80	18	36	41	1139

B-3a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total flux (m^3/d)
58441	58807	2060	2061	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	300	6	35	25	107	60	7	47	7	0	38	69	105	80	18	36	41	1137
58807	59172	2061	2062	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	80	299	6	35	25	107	60	7	47	7	0	38	69	105	80	18	36	41	1136
59172	59537	2062	2063	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	299	6	35	25	107	59	7	46	7	0	38	69	105	80	18	36	41	1135
59537	59902	2063	2064	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	299	6	35	25	107	59	7	46	7	0	38	69	105	80	18	36	41	1134
59902	60268	2064	2065	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	35	25	107	59	7	46	7	0	38	69	105	80	18	36	41	1133
60268	60633	2065	2066	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	35	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1132
60633	60998	2066	2067	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	34	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1131
60998	61363	2067	2068	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	298	6	34	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1130
61363	61729	2068	2069	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	25	106	59	7	46	7	0	38	69	105	80	18	36	41	1130
61729	62094	2069	2070	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1129
62094	62459	2070	2071	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1128
62459	62824	2071	2072	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	297	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1127
62824	63190	2072	2073	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	106	59	7	46	7	0	38	69	105	80	18	36	41	1127
63190	63555	2073	2074	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1126
63555	63920	2074	2075	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1126
63920	64285	2075	2076	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1125
64285	64651	2076	2077	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1125
64651	65016	2077	2078	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	296	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
65016	65381	2078	2079	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1124
65381	65746	2079	2080	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1123
65746	66112	2080	2081	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	79	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1123
66112	66477	2081	2082	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1122
66477	66842	2082	2083	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1122
66842	67207	2083	2084	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1122
67207	67573	2084	2085	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1122
67573	67938	2085	2086	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1121
67938	68303	2086	2087	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	295	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1121
68303	68668	2087	2088	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1121
68668	69034	2088	2089	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	105	58	7	46	7	0	38	69	105	80	18	36	41	1121
69034	69399	2089	2090	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1120
69399	69764	2090	2091	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1120
69764	70129	2091	2092	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1120
70129	70495	2092	2093	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1120
70495	70860	2093	2094	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1120
70860	71225	2094	2095	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1120
71225	71590	2095	2096	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
71590	71956	2096	2097	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
71956	72321	2097	2098	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
72321	72686	2098	2099	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
72686	73051	2099	2100	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
73051	73416	2100	2101	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
73416	73781	2101	2102	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
73781	74146	2102	2103	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
74146	74511	2103	2104	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
74511	74877	2104	2105	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
74877	75242	2105	2106	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
75242	75607	2106	2107	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
75607	75972	2107	2108	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
75972	76338	2108	2109	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
76338	76703	2109	2110	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119
76703	77068	2110	2111	0	0	61	0	6	0	0	0	0	0	0	0	0	0	10	78	294	5	34	24	104	58	7	46	7	0	38	69	105	80	18	36	41	1119

B-3a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iv)) (Part 3/3)



B-3a (S8b(iv)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
7306	10959	1920	1930	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
10959	14611	1930	1940	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	17	7	2	3	17	15	10	12	5	3	3	2	2	2	1	2	1	109
14611	18264	1940	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	8	2	3	19	17	11	13	6	3	3	2	2	2	1	2	1	120
18264	21916	1950	1960	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	18	9	3	4	20	18	11	13	6	4	3	3	3	2	2	2	1	128
21916	23743	1960	1965	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	137
23743	25569	1965	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	19	9	3	4	20	19	11	13	7	5	4	3	3	4	3	3	1	138
25569	27395	1970	1975	0	0	2	0	0	0	0	0	0	0	1	0	0	2	3	4	19	11	3	4	19	18	11	12	7	5	4	3	3	4	3	3	1	141
27395	28126	1975	1977	0	0	2	0	0	0	0	0	0	0	1	1	1	2	3	4	19	12	3	4	19	18	10	12	7	5	4	3	3	4	3	3	1	143
28126	29221	1977	1980	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	5	20	12	3	4	19	18	10	12	7	4	4	3	3	4	3	3	1	147
29221	31048	1980	1985	0	0	3	0	0	0	0	0	0	2	3	2	3	4	3	5	20	12	3	4	18	17	10	12	7	4	4	3	3	4	3	3	1	151
31048	32143	1985	1988	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	20	12	3	4	18	17	10	11	6	4	3	3	3	4	3	3	1	151
32143	32509	1988	1989	0	0	3	0	1	0	0	0	0	2	4	2	3	4	3	5	19	11	3	4	18	17	10	11	6	4	3	3	3	3	3	3	1	150
32509	32874	1989	1990	0	0	2	0	0	0	0	0	0	3	4	2	3	4	3	5	19	11	3	4	17	17	9	11	6	4	3	3	3	3	3	3	1	147
32874	33239	1990	1991	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	11	3	4	17	16	9	10	6	4	3	3	3	3	3	3	1	142
33239	33604	1991	1992	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	5	18	10	3	4	16	16	9	10	6	4	3	2	3	3	3	3	1	138
33604	33970	1992	1993	0	0	2	0	0	0	0	0	0	2	4	2	3	4	3	4	17	10	3	3	16	15	9	10	6	4	3	2	2	3	3	3	1	135
33970	34151	1993	1993.5	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	4	14	7	2	2	10	7	2	3	2	1	3	2	2	2	1	1	1	84
34151	34335	1993.5	1994	0	0	2	0	0	0	0	0	0	2	4	2	2	2	2	3	13	6	2	2	8	6	2	2	1	0	2	2	2	2	1	1	1	72
34335	34516	1994	1994.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	13	5	2	2	8	5	1	2	1	0	2	2	2	2	1	1	1	67
34516	34700	1994.5	1995	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	2	2	7	5	1	2	1	0	2	2	2	2	0	1	1	63
34700	34881	1995	1995.5	0	0	2	0	0	0	0	0	0	2	4	2	2	1	2	3	12	5	1	1	7	5	1	2	1	0	1	2	2	2	0	1	1	61
34881	35065	1995.5	1996	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	12	4	1	1	7	4	1	2	1	0	1	2	2	2	0	1	1	59
35065	35247	1996	1996.5	0	0	2	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	7	4	1	2	0	0	1	2	2	2	0	1	1	58
35247	35431	1996.5	1997	0	0	1	0	0	0	0	0	0	3	4	2	2	1	2	3	11	4	1	1	6	4	1	1	0	0	1	2	2	2	0	1	1	56
35431	35612	1997	1997.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	2	2	1	0	1	1	55
35612	35796	1997.5	1998	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	4	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	54
35796	35977	1998	1998.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	11	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	53
35977	36161	1998.5	1999	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	6	4	1	1	0	0	1	1	2	1	0	1	1	52
36161	36342	1999	1999.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	51
36342	36526	1999.5	2000	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	50
36526	36708	2000	2000.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	49
36708	36892	2000.5	2001	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	48
36892	37073	2001	2001.5	0	0	1	0	0	0	0	0	0	3	4	2	2	1	1	3	10	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	46
37073	37257	2001.5	2002	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	3	1	1	5	3	1	1	0	0	1	1	2	1	0	1	1	45
37257	37438	2002	2002.5	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	45
37438	37622	2002.5	2003	0	0	1	0	0	0	0	0	0	2	4	2	2	1	1	2	9	2	1	1	5	3	0	1	0	0	1	1	2	1	0	1	1	44
37622	37803	2003	2003.5	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	2	9	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	34
37803	37987	2003.5	2004	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	31
37987	38169	2004	2004.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	8	2	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	30
38169	38353	2004.5	2005	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38353	38534	2005	2005.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	29
38534	38718	2005.5	2006	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	3	0	1	0	0	1	1	2	1	0	1	1	28
38718	38899	2006	2006.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	28
38899	39083	2006.5	2007	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
39083	39264	2007	2007.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
39264	39448	2007.5	2008	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	27
39448	39630	2008	2008.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	26
39630	39814	2008.5	2009	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	26
39814	39995	2009	2009.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	26
39995	40179	2009.5	2010	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	4	2	0	1	0	0	1	1	2	1	0	1	1	25
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

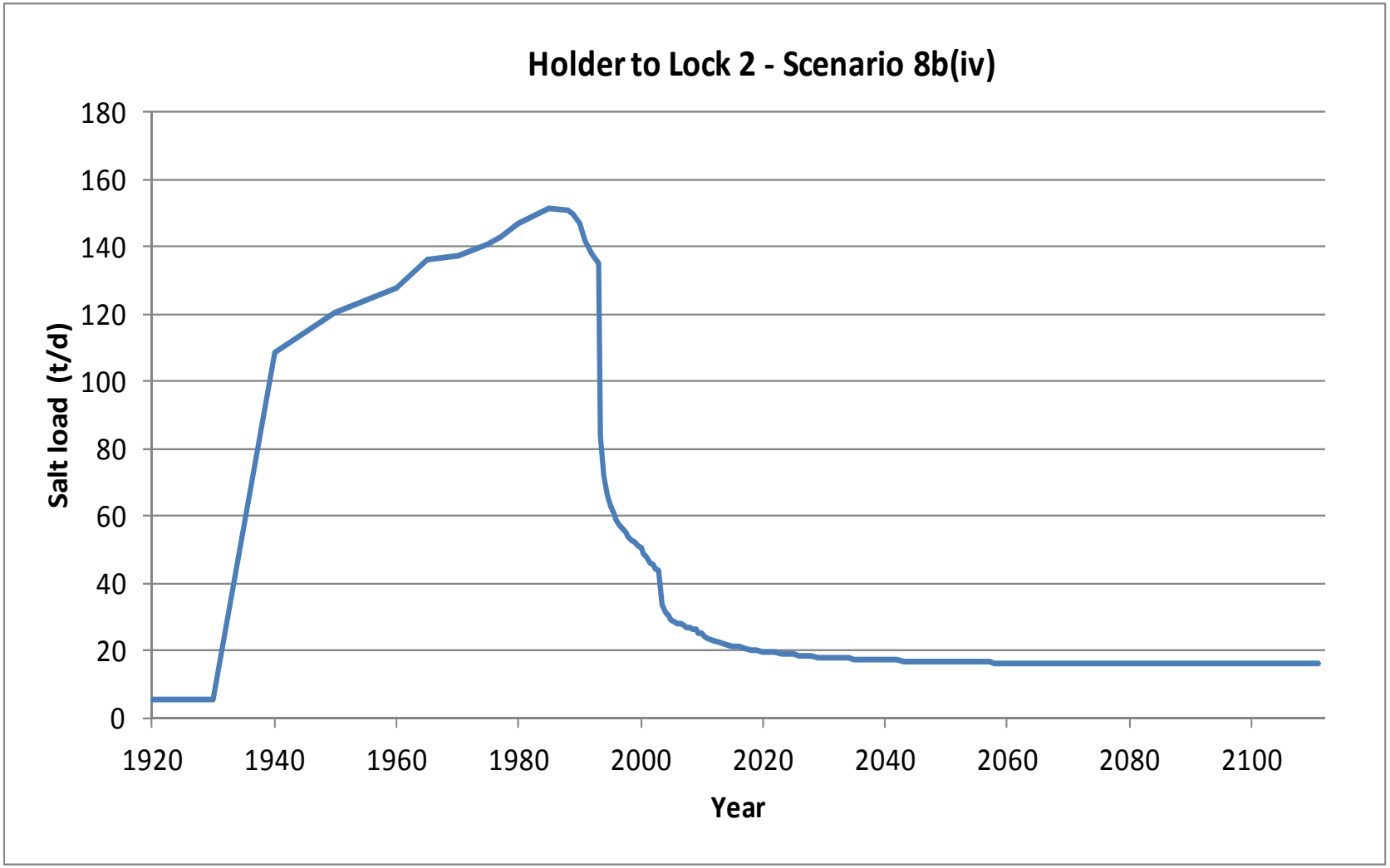
B-3b (S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
40179	40360	2010	2010.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
40360	40544	2010.5	2011	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	1	1	3	2	0	1	0	0	1	1	2	1	0	1	1	24
40544	40909	2011	2012	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	23
40909	41275	2012	2013	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	22
41275	41640	2013	2014	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	22
41640	42005	2014	2015	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	21
42005	42370	2015	2016	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	21
42370	42736	2016	2017	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	21
42736	43101	2017	2018	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	20
43101	43466	2018	2019	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	2	0	1	0	0	1	1	1	1	0	1	1	20
43466	43831	2019	2020	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	3	1	0	1	0	0	1	1	1	1	0	1	1	20
43831	44197	2020	2021	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	20
44197	44562	2021	2022	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	19
44562	44927	2022	2023	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	1	1	19
44927	45292	2023	2024	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
45292	45658	2024	2025	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
45658	46023	2025	2026	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	19
46023	46388	2026	2027	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
46388	46753	2027	2028	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
46753	47119	2028	2029	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
47119	47484	2029	2030	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
47484	47849	2030	2031	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
47849	48214	2031	2032	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
48214	48580	2032	2033	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
48580	48945	2033	2034	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
48945	49310	2034	2035	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
49310	49675	2035	2036	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	18
49675	50041	2036	2037	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
50041	50406	2037	2038	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
50406	50771	2038	2039	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
50771	51136	2039	2040	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
51136	51502	2040	2041	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
51502	51867	2041	2042	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
51867	52232	2042	2043	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
52232	52597	2043	2044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
52597	52963	2044	2045	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
52963	53328	2045	2046	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
53328	53693	2046	2047	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
53693	54058	2047	2048	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
54058	54424	2048	2049	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
54424	54789	2049	2050	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
54789	55154	2050	2051	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
55154	55519	2051	2052	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
55519	55885	2052	2053	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
55885	56250	2053	2054	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
56250	56615	2054	2055	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
56615	56980	2055	2056	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
56980	57346	2056	2057	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
57346	57711	2057	2058	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
57711	58076	2058	2059	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	17
58076	58441	2059	2060	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z56	Z57	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67	Z68	Z69	Z70	Z71	Z72	Z73	Z74	Z75	Z76	Z77	Z78	Z79	Total salt load (t/d)
58441	58807	2060	2061	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
58807	59172	2061	2062	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
59172	59537	2062	2063	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
59537	59902	2063	2064	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
59902	60268	2064	2065	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
60268	60633	2065	2066	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
60633	60998	2066	2067	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
60998	61363	2067	2068	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
61363	61729	2068	2069	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
61729	62094	2069	2070	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
62094	62459	2070	2071	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
62459	62824	2071	2072	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
62824	63190	2072	2073	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
63190	63555	2073	2074	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
63555	63920	2074	2075	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
63920	64285	2075	2076	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
64285	64651	2076	2077	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
64651	65016	2077	2078	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
65016	65381	2078	2079	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
65381	65746	2079	2080	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
65746	66112	2080	2081	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
66112	66477	2081	2082	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
66477	66842	2082	2083	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
66842	67207	2083	2084	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
67207	67573	2084	2085	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
67573	67938	2085	2086	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
67938	68303	2086	2087	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
68303	68668	2087	2088	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
68668	69034	2088	2089	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
69034	69399	2089	2090	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
69399	69764	2090	2091	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
69764	70129	2091	2092	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
70129	70495	2092	2093	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
70495	70860	2093	2094	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
70860	71225	2094	2095	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
71225	71590	2095	2096	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
71590	71956	2096	2097	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
71956	72321	2097	2098	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
72321	72686	2098	2099	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
72686	73051	2099	2100	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
73051	73416	2100	2101	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
73416	73781	2101	2102	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
73781	74146	2102	2103	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
74146	74511	2103	2104	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
74511	74877	2104	2105	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
74877	75242	2105	2106	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
75242	75607	2106	2107	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
75607	75972	2107	2108	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
75972	76338	2108	2109	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
76338	76703	2109	2110	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
76703	77068	2110	2111	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	2	1	0	1	0	0	1	1	1	1	0	0	1	16
Salinity (mg/L)				29500	15500	14300	14300	22000	22000	31892	31892	21094	21094	15699	15699	15699	14800	14800	14800	15900	26800	7370	7370	17100	17100	11000	11000	11000	13564	13564	13564	13564	13564	13564	13564	13564	

B-3b (S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Holder to Lock 2 (Scenario 8b(iv)) (Part 3/3)



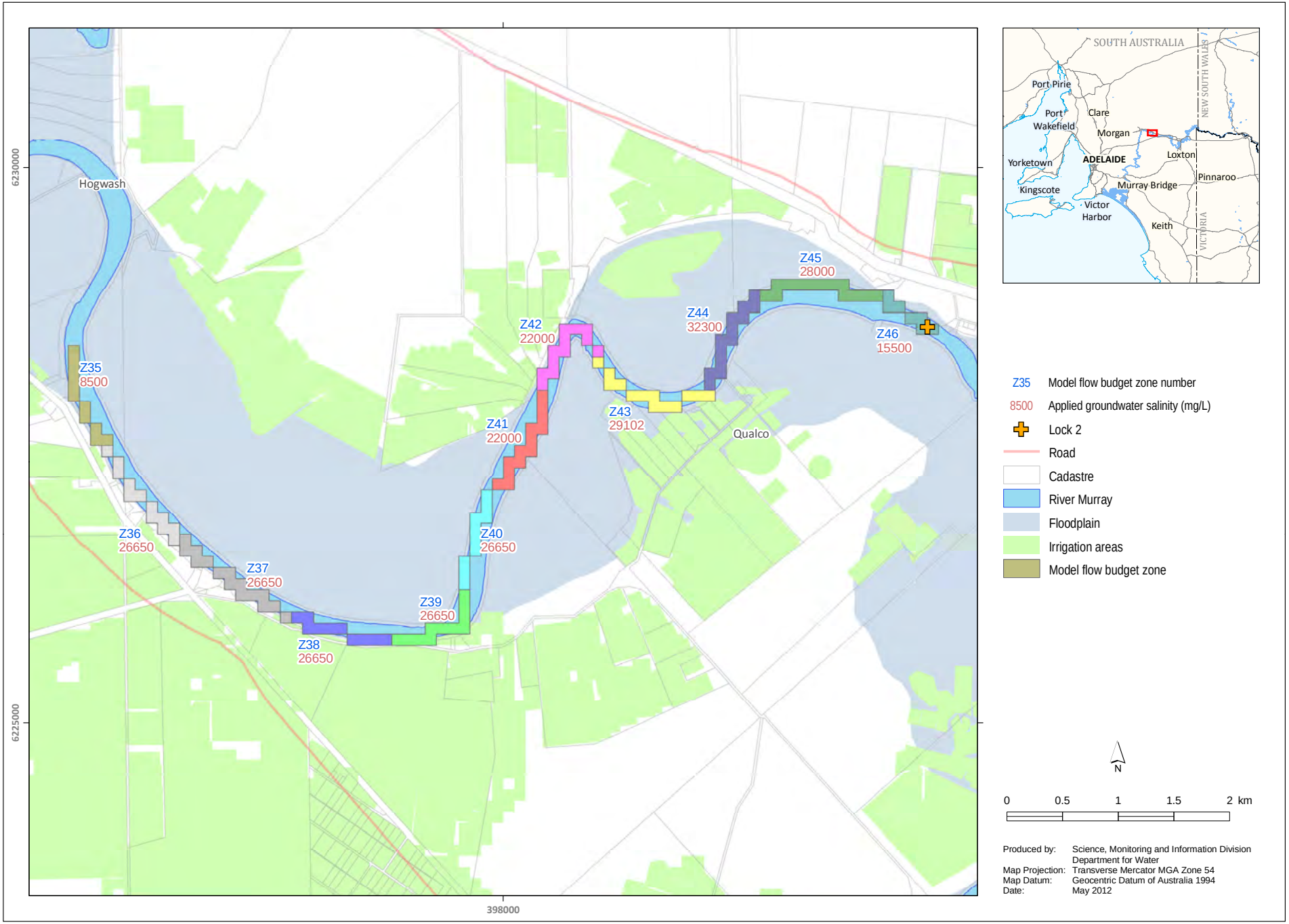
B-3b (S8b(iv)). Graph of modelled salt load (t/d) entering the River Murray in Holder to Lock 2 (Scenario 8b(iv))

B-4 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN LOCK 2 TO HOGWASH

- Model scenario conditions
- Flow budget zones
- Modelled groundwater flux entering the River Murray for the historical model and all scenarios
- Modelled salt load entering the River Murray for the historical model and all scenarios

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3C	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8A(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8A(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8A(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8A(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8B(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8B(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8B(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8B(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
IIP = Improved irrigation practices		*RH = Rehabilitation of irrigation distribution networks*		*SIS = Salt interception scheme*	
CY = Current year		*CY100 = 100 years from the current year*			

B-4. Model scenario conditions



B-4. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Lock 2 to Hogwash area

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	7672	1920	1921	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7672	8037	1921	1922	0	0	0	0	0	0	2	1	21	40	106	537	10	717
8037	8402	1922	1923	0	0	0	0	0	0	2	1	21	40	106	537	10	717
8402	8767	1923	1924	0	0	0	0	0	0	2	1	21	40	106	537	10	717
8767	9133	1924	1925	0	0	0	0	0	0	2	1	21	40	106	537	10	717
9133	9498	1925	1926	0	0	0	0	0	0	2	1	21	40	106	537	10	717
9498	9863	1926	1927	0	0	0	0	0	0	2	1	21	40	106	537	10	717
9863	10228	1927	1928	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10228	10594	1928	1929	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10594	10959	1929	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	11324	1930	1931	0	0	0	0	0	0	2	1	21	40	106	537	10	717
11324	11689	1931	1932	0	0	0	0	0	0	2	1	21	40	106	537	10	717
11689	12055	1932	1933	0	0	0	0	0	0	2	1	21	40	106	537	10	717
12055	12420	1933	1934	0	0	0	0	0	0	2	1	21	40	106	537	10	717
12420	12785	1934	1935	0	0	0	0	0	0	2	1	21	40	106	537	10	717
12785	13150	1935	1936	0	0	0	0	0	0	2	1	21	40	106	537	10	717
13150	13516	1936	1937	0	0	0	0	0	0	2	1	21	40	106	537	10	717
13516	13881	1937	1938	0	0	0	0	1	0	2	1	21	40	106	537	10	717
13881	14246	1938	1939	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14246	14611	1939	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	14977	1940	1941	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14977	15342	1941	1942	0	0	0	0	1	0	2	1	21	40	106	537	10	717
15342	15707	1942	1943	0	0	0	0	1	0	2	1	21	40	106	537	10	717
15707	16072	1943	1944	0	0	0	0	1	0	2	1	21	40	106	537	10	717
16072	16438	1944	1945	0	0	0	0	1	0	2	1	21	40	106	537	10	717
16438	16803	1945	1946	0	0	0	0	1	0	2	1	21	40	106	537	10	717
16803	17168	1946	1947	0	0	0	0	1	0	2	1	21	40	106	537	10	717
17168	17533	1947	1948	0	0	0	0	1	0	2	1	21	40	106	537	10	717
17533	17899	1948	1949	0	0	0	0	1	0	2	1	21	40	106	537	10	717
17899	18264	1949	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	18629	1950	1951	4	0	0	0	1	0	2	1	38	41	106	537	11	741
18629	18994	1951	1952	10	0	0	0	1	0	2	1	39	42	106	537	11	748
18994	19360	1952	1953	12	0	0	0	1	0	2	1	39	42	106	537	11	751
19360	19725	1953	1954	12	0	0	0	1	0	2	1	39	42	106	537	11	752
19725	20090	1954	1955	13	0	0	0	1	0	2	1	39	42	106	537	11	752
20090	20455	1955	1956	13	0	0	0	1	0	2	1	39	42	106	537	11	752

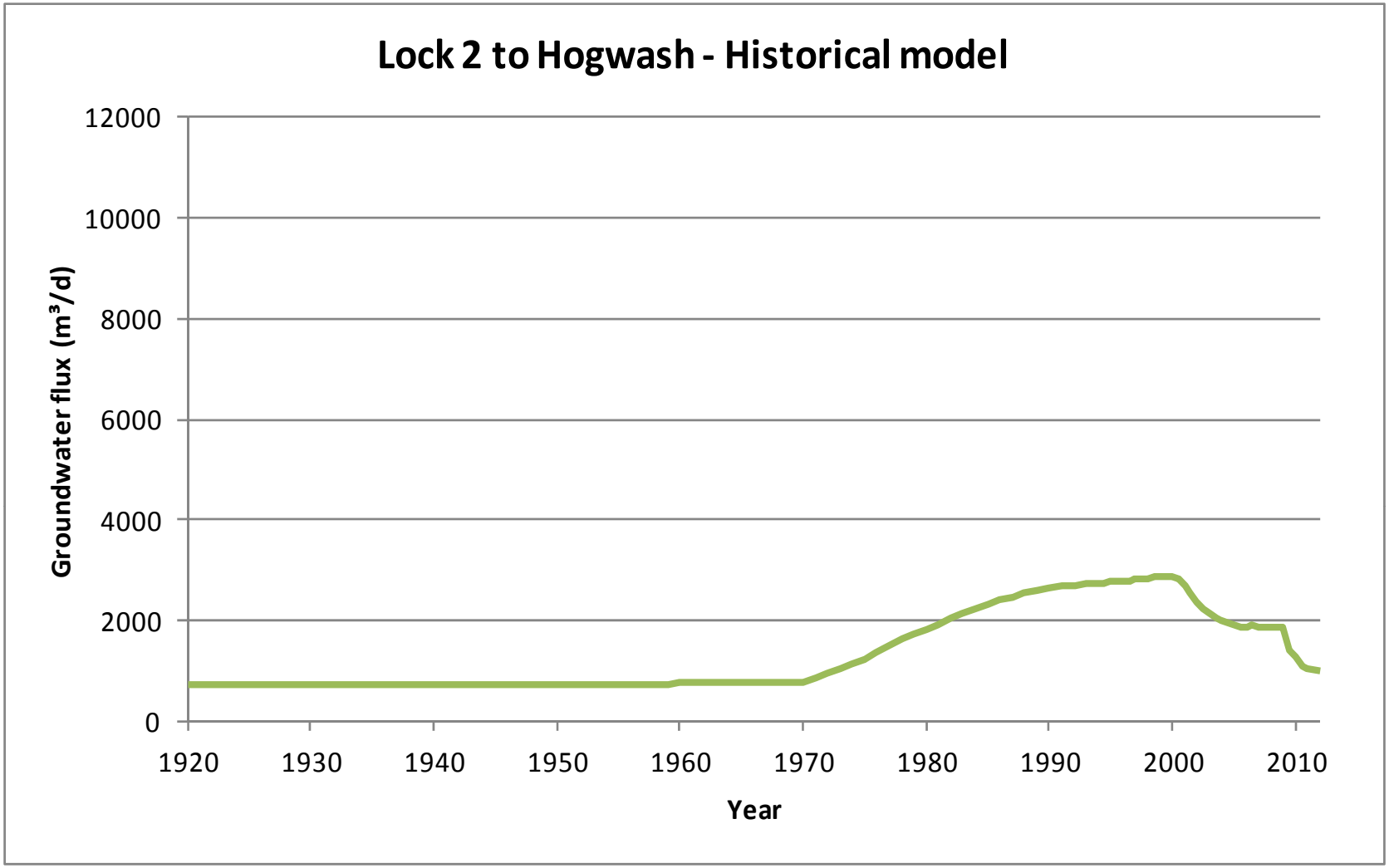
B-4a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Historical model) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
20455	20821	1956	1957	13	0	0	0	1	0	2	1	39	42	106	537	12	753
20821	21186	1957	1958	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21186	21551	1958	1959	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21551	21916	1959	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	22282	1960	1961	14	0	0	0	1	0	2	1	39	42	106	537	12	754
22282	22647	1961	1962	15	0	0	0	1	0	2	1	39	42	106	537	12	755
22647	23012	1962	1963	15	0	0	0	1	0	2	1	39	42	106	537	12	756
23012	23377	1963	1964	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23377	23743	1964	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	24108	1965	1966	13	0	0	0	1	0	2	1	39	42	106	537	12	753
24108	24473	1966	1967	12	0	0	0	1	0	3	1	39	42	106	537	13	754
24473	24838	1967	1968	12	0	0	0	1	0	3	1	39	42	106	537	16	757
24838	25204	1968	1969	12	0	0	0	2	0	3	1	39	42	106	537	19	761
25204	25569	1969	1970	12	0	0	0	2	0	3	1	40	42	106	537	23	767
25569	25934	1970	1971	11	0	4	9	15	1	6	3	41	44	110	539	95	877
25934	26299	1971	1972	14	0	8	19	25	3	8	10	43	48	116	543	125	964
26299	26665	1972	1973	17	1	15	31	35	8	11	17	45	53	123	547	149	1052
26665	27030	1973	1974	21	2	23	44	45	15	14	21	47	56	128	551	168	1136
27030	27395	1974	1975	24	4	32	56	54	24	17	24	50	59	132	553	185	1215
27395	27760	1975	1976	70	5	42	72	68	34	22	27	60	62	136	555	227	1381
27760	28126	1976	1977	103	7	54	86	82	45	28	30	64	65	138	557	254	1512
28126	28491	1977	1978	123	15	66	98	93	56	33	31	65	67	141	558	277	1624
28491	28856	1978	1979	138	24	78	108	103	66	38	33	67	68	143	559	297	1724
28856	29221	1979	1980	150	32	89	117	112	75	43	35	70	70	145	560	314	1811
29221	29587	1980	1981	160	40	102	126	122	85	52	37	93	76	147	561	333	1932
29587	29952	1981	1982	169	49	118	137	133	97	59	38	99	78	149	562	353	2042
29952	30317	1982	1983	176	58	132	149	145	108	65	40	104	80	150	563	371	2142
30317	30682	1983	1984	183	67	146	160	155	119	70	41	108	82	152	563	387	2233
30682	31048	1984	1985	188	74	158	170	165	130	76	42	111	84	153	564	401	2317
31048	31413	1985	1986	193	81	169	179	174	140	82	44	118	86	155	565	413	2398
31413	31778	1986	1987	198	87	178	187	183	150	88	45	125	87	156	565	424	2474
31778	32143	1987	1988	202	93	187	195	191	158	94	46	130	89	157	566	434	2542
32143	32509	1988	1989	206	98	196	203	198	167	100	47	135	91	158	567	446	2611
32509	32874	1989	1990	208	102	203	209	205	175	102	46	139	92	159	567	454	2662
32874	33239	1990	1991	209	104	208	214	212	180	100	40	143	93	159	567	462	2690
33239	33604	1991	1992	198	106	212	218	217	185	101	38	146	93	158	566	468	2706
33604	33970	1992	1993	194	108	216	223	222	190	102	36	148	94	157	566	474	2730

B-4a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Historical model) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
33970	34151	1993	1993.5	187	109	218	225	225	192	103	36	150	94	157	566	476	2736
34151	34335	1993.5	1994	182	110	221	227	227	194	104	35	151	94	157	565	478	2745
34335	34516	1994	1994.5	172	111	223	229	230	197	105	35	153	96	157	565	483	2756
34516	34700	1994.5	1995	166	112	225	231	232	199	107	35	155	97	157	565	485	2766
34700	34881	1995	1995.5	162	113	227	233	235	202	108	35	157	98	157	565	487	2777
34881	35065	1995.5	1996	159	113	229	235	237	204	109	35	159	98	157	565	489	2790
35065	35247	1996	1996.5	158	114	231	237	240	207	111	35	160	99	158	566	491	2804
35247	35431	1996.5	1997	157	115	233	238	242	210	112	35	163	99	158	566	493	2819
35431	35612	1997	1997.5	156	116	234	239	243	212	114	35	165	100	158	566	494	2832
35612	35796	1997.5	1998	156	117	235	239	245	214	116	35	168	101	158	566	495	2843
35796	35977	1998	1998.5	156	117	236	239	245	216	117	36	170	101	158	566	496	2854
35977	36161	1998.5	1999	157	118	236	239	246	217	119	36	173	102	159	566	496	2863
36161	36342	1999	1999.5	151	119	237	239	246	218	120	36	175	103	159	566	496	2865
36342	36526	1999.5	2000	147	119	237	239	247	219	122	36	177	104	159	566	496	2868
36526	36708	2000	2000.5	137	118	236	236	243	219	118	33	171	103	159	566	480	2819
36708	36892	2000.5	2001	128	96	214	222	217	210	115	31	169	103	159	566	448	2678
36892	37073	2001	2001.5	119	82	192	202	199	198	112	30	168	103	158	566	422	2549
37073	37257	2001.5	2002	110	57	158	176	171	182	108	28	167	102	158	565	388	2371
37257	37438	2002	2002.5	103	45	134	155	157	168	104	27	166	102	157	565	364	2248
37438	37622	2002.5	2003	96	30	115	140	143	156	100	26	165	102	157	565	344	2140
37622	37803	2003	2003.5	91	23	98	125	131	146	96	25	164	101	156	564	327	2047
37803	37987	2003.5	2004	90	44	92	112	123	137	92	24	163	101	156	564	321	2021
37987	38169	2004	2004.5	89	39	91	107	117	130	90	24	162	101	156	564	315	1985
38169	38353	2004.5	2005	85	15	79	103	111	124	87	23	161	101	155	564	303	1911
38353	38534	2005	2005.5	82	13	70	98	106	120	86	24	166	103	155	564	297	1884
38534	38718	2005.5	2006	82	20	71	94	104	117	85	26	167	104	156	564	298	1887
38718	38899	2006	2006.5	82	14	74	99	119	120	86	27	168	105	156	565	303	1916
38899	39083	2006.5	2007	80	12	64	96	112	121	87	28	168	106	157	565	298	1894
39083	39264	2007	2007.5	80	12	57	91	109	120	88	29	169	107	157	565	292	1877
39264	39448	2007.5	2008	80	12	51	88	108	121	90	30	170	108	158	566	287	1868
39448	39630	2008	2008.5	74	13	50	88	105	121	91	31	171	109	159	566	284	1861
39630	39814	2008.5	2009	70	12	53	92	112	123	92	32	172	111	159	566	286	1880
39814	39995	2009	2009.5	29	5	31	41	76	81	79	32	153	28	44	531	268	1398
39995	40179	2009.5	2010	30	6	31	34	50	34	49	28	131	31	65	531	268	1289
40179	40360	2010	2010.5	18	4	28	30	34	11	28	26	109	18	22	515	263	1107
40360	40544	2010.5	2011	9	4	26	32	30	8	19	24	95	17	19	509	258	1050
40544	40909	2011	2012	3	3	23	30	27	6	12	24	83	17	19	508	251	1006

B-4a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Historical model) (Part 3/3)



B-4a (Historical model). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
7306	7672	1920	1921	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
7672	8037	1921	1922	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
8037	8402	1922	1923	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
8402	8767	1923	1924	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
8767	9133	1924	1925	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
9133	9498	1925	1926	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
9498	9863	1926	1927	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
9863	10228	1927	1928	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
10228	10594	1928	1929	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
10594	10959	1929	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
10959	11324	1930	1931	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
11324	11689	1931	1932	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
11689	12055	1932	1933	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
12055	12420	1933	1934	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
12420	12785	1934	1935	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
12785	13150	1935	1936	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
13150	13516	1936	1937	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
13516	13881	1937	1938	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
13881	14246	1938	1939	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
14246	14611	1939	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
14611	14977	1940	1941	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
14977	15342	1941	1942	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
15342	15707	1942	1943	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
15707	16072	1943	1944	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
16072	16438	1944	1945	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
16438	16803	1945	1946	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
16803	17168	1946	1947	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
17168	17533	1947	1948	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
17533	17899	1948	1949	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
17899	18264	1949	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13.5
18264	18629	1950	1951	0	0	0	0	0	0	0	0	1	1	3	8	0	14.1
18629	18994	1951	1952	0	0	0	0	0	0	0	0	1	1	3	8	0	14.2
18994	19360	1952	1953	0	0	0	0	0	0	0	0	1	1	3	8	0	14.2
19360	19725	1953	1954	0	0	0	0	0	0	0	0	1	1	3	8	0	14.2
19725	20090	1954	1955	0	0	0	0	0	0	0	0	1	1	3	8	0	14.2
20090	20455	1955	1956	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

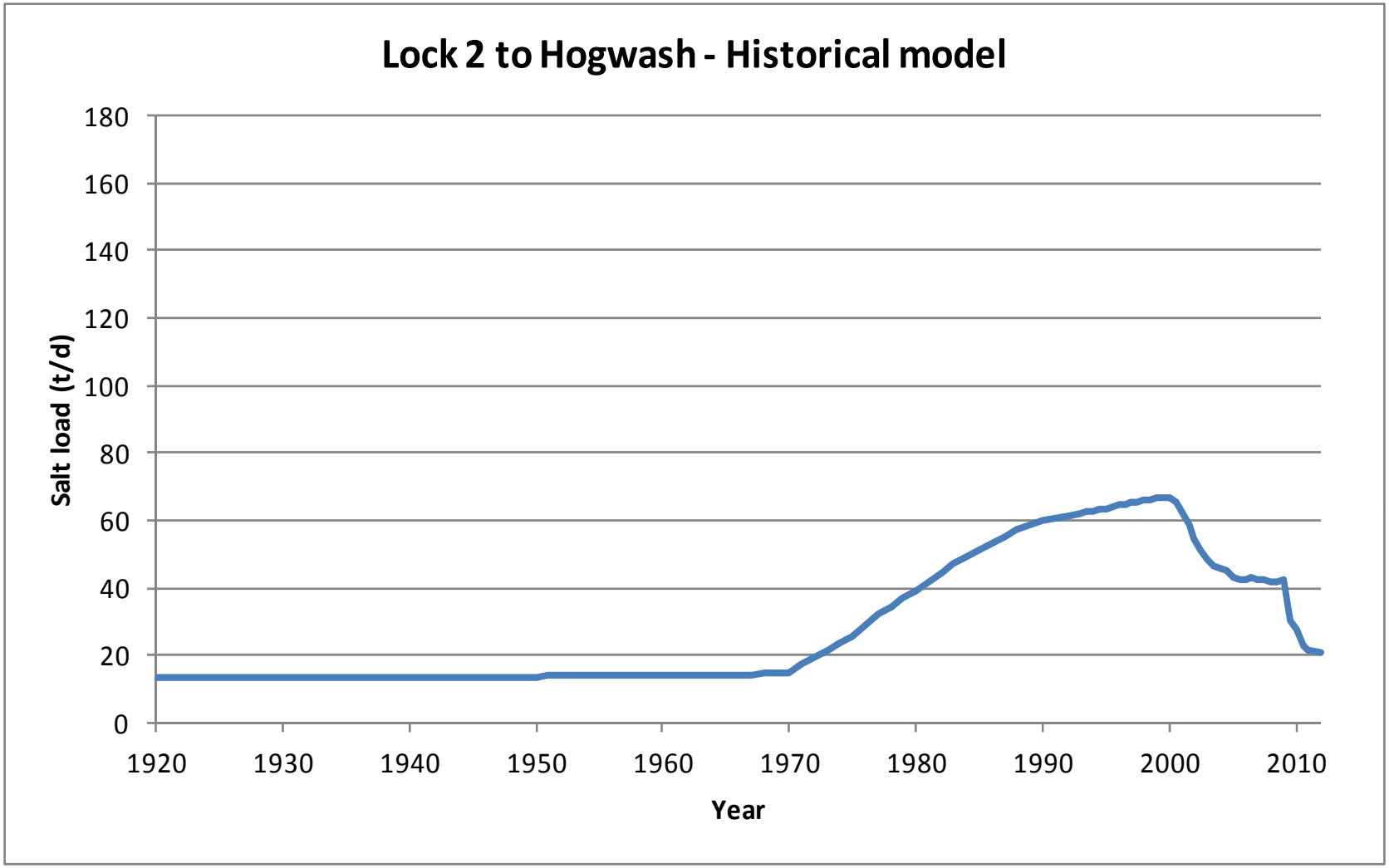
B-4b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Historical model) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
20455	20821	1956	1957	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
20821	21186	1957	1958	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
21186	21551	1958	1959	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
21551	21916	1959	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
21916	22282	1960	1961	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
22282	22647	1961	1962	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
22647	23012	1962	1963	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
23012	23377	1963	1964	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
23377	23743	1964	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
23743	24108	1965	1966	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
24108	24473	1966	1967	0	0	0	0	0	0	0	0	1	1	3	8	0	14.3
24473	24838	1967	1968	0	0	0	0	0	0	0	0	1	1	3	8	0	14.4
24838	25204	1968	1969	0	0	0	0	0	0	0	0	1	1	3	8	0	14.5
25204	25569	1969	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	14.6
25569	25934	1970	1971	0	0	0	0	0	0	0	0	1	1	3	8	2	17.4
25934	26299	1971	1972	0	0	0	1	1	0	0	0	1	2	3	8	3	19.5
26299	26665	1972	1973	0	0	0	1	1	0	0	0	1	2	3	8	4	21.7
26665	27030	1973	1974	0	0	1	1	1	0	0	0	1	2	4	9	4	23.8
27030	27395	1974	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25.7
27395	27760	1975	1976	1	0	1	2	2	1	0	1	2	2	4	9	5	29.2
27760	28126	1976	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32.0
28126	28491	1977	1978	1	0	2	3	2	1	1	1	2	2	4	9	7	34.5
28491	28856	1978	1979	1	1	2	3	3	2	1	1	2	2	4	9	7	36.8
28856	29221	1979	1980	1	1	2	3	3	2	1	1	2	2	4	9	8	38.9
29221	29587	1980	1981	1	1	3	3	3	2	1	1	3	2	4	9	8	41.9
29587	29952	1981	1982	1	1	3	4	4	3	1	1	3	3	4	9	8	44.6
29952	30317	1982	1983	1	2	4	4	4	3	1	1	3	3	4	9	9	47.0
30317	30682	1983	1984	2	2	4	4	4	3	2	1	3	3	4	9	9	49.3
30682	31048	1984	1985	2	2	4	5	4	3	2	1	3	3	4	9	10	51.4
31048	31413	1985	1986	2	2	4	5	5	4	2	1	3	3	4	9	10	53.4
31413	31778	1986	1987	2	2	5	5	5	4	2	1	4	3	4	9	10	55.3
31778	32143	1987	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57.0
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58.7
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60.0
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	60.8
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61.4
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62.1
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Historical model) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62.4
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	62.8
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63.2
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63.6
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64.0
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64.4
35065	35247	1996	1996.5	1	3	6	6	6	6	2	1	5	3	4	9	12	64.8
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65.1
35431	35612	1997	1997.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65.5
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	65.8
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66.1
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66.3
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66.5
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	66.6
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65.6
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	62.1
36892	37073	2001	2001.5	1	2	5	5	5	5	2	1	5	3	4	9	10	58.9
37073	37257	2001.5	2002	1	2	4	5	5	5	2	1	5	3	4	9	9	54.4
37257	37438	2002	2002.5	1	1	4	4	4	4	2	1	5	3	4	9	9	51.4
37438	37622	2002.5	2003	1	1	3	4	4	4	2	1	5	3	4	9	8	48.7
37622	37803	2003	2003.5	1	1	3	3	3	4	2	1	5	3	4	9	8	46.4
37803	37987	2003.5	2004	1	1	2	3	3	4	2	1	5	3	4	9	8	45.7
37987	38169	2004	2004.5	1	1	2	3	3	3	2	1	5	3	4	9	8	44.8
38169	38353	2004.5	2005	1	0	2	3	3	3	2	1	5	3	4	9	7	43.0
38353	38534	2005	2005.5	1	0	2	3	3	3	2	1	5	3	4	9	7	42.3
38534	38718	2005.5	2006	1	1	2	3	3	3	2	1	5	3	4	9	7	42.4
38718	38899	2006	2006.5	1	0	2	3	3	3	2	1	5	3	4	9	7	43.2
38899	39083	2006.5	2007	1	0	2	3	3	3	2	1	5	3	4	9	7	42.6
39083	39264	2007	2007.5	1	0	2	2	3	3	2	1	5	3	4	9	7	42.2
39264	39448	2007.5	2008	1	0	1	2	3	3	2	1	5	3	4	9	7	42.0
39448	39630	2008	2008.5	1	0	1	2	3	3	2	1	5	4	4	9	7	41.9
39630	39814	2008.5	2009	1	0	1	2	3	3	2	1	5	4	4	9	7	42.4
39814	39995	2009	2009.5	0	0	1	1	2	2	2	1	4	1	1	8	6	30.2
39995	40179	2009.5	2010	0	0	1	1	1	1	1	1	4	1	2	8	6	27.4
40179	40360	2010	2010.5	0	0	1	1	1	0	1	1	3	1	1	8	6	22.9
40360	40544	2010.5	2011	0	0	1	1	1	0	0	1	3	1	1	8	6	21.6
40544	40909	2011	2012	0	0	1	1	1	0	0	1	2	1	1	8	6	20.6
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Historical model) (Part 3/3)



B-4b (Historical model). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	1	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	0	0	0	0	1	0	2	1	21	40	106	537	10	718
21916	23743	1960	1965	0	0	0	0	1	0	2	1	22	40	106	537	11	719
23743	25569	1965	1970	0	0	0	0	1	0	2	1	22	40	106	537	11	720
25569	27395	1970	1975	0	0	0	0	1	0	2	1	22	41	106	538	12	722
27395	28126	1975	1977	0	0	0	0	1	0	2	1	22	41	106	538	13	723
28126	29221	1977	1980	0	0	0	0	1	0	2	1	23	41	106	538	13	724
29221	31048	1980	1985	0	0	0	0	1	0	2	1	23	41	106	538	15	728
31048	32143	1985	1988	0	0	0	0	1	0	2	1	23	41	106	538	16	729
32143	32509	1988	1989	0	0	0	0	1	0	2	1	23	41	106	538	17	729
32509	32874	1989	1990	0	0	0	0	1	0	2	1	23	41	106	538	17	730
32874	33239	1990	1991	0	0	0	0	1	0	2	1	24	41	106	538	18	732
33239	33604	1991	1992	0	0	0	0	1	0	2	1	24	41	107	538	19	733
33604	33970	1992	1993	0	0	0	0	1	0	2	1	24	42	107	538	19	734
33970	34151	1993	1993.5	0	0	0	0	1	0	2	1	24	42	107	538	19	734
34151	34335	1993.5	1994	0	0	0	0	1	0	2	1	24	42	107	538	20	735
34335	34516	1994	1994.5	0	0	0	0	1	0	2	1	24	42	107	538	20	735
34516	34700	1994.5	1995	0	0	0	0	1	0	2	1	24	42	107	538	20	735
34700	34881	1995	1995.5	0	0	0	0	1	0	3	1	24	42	107	538	20	736
34881	35065	1995.5	1996	0	0	0	0	1	0	3	1	24	42	107	538	21	736
35065	35247	1996	1996.5	0	0	0	0	1	0	3	1	24	42	107	538	21	736
35247	35431	1996.5	1997	0	0	0	0	1	0	3	1	24	42	107	538	21	737
35431	35612	1997	1997.5	0	0	0	0	1	0	3	1	24	42	107	538	21	737
35612	35796	1997.5	1998	0	0	0	0	1	0	3	1	24	42	107	538	21	737
35796	35977	1998	1998.5	0	0	0	0	1	0	3	1	24	42	107	538	22	738
35977	36161	1998.5	1999	0	0	0	0	1	0	3	1	24	42	107	538	22	738
36161	36342	1999	1999.5	0	0	0	0	1	0	3	1	24	42	107	538	22	738
36342	36526	1999.5	2000	0	0	0	0	1	0	3	1	24	42	107	538	22	739
36526	36708	2000	2000.5	0	0	0	0	1	0	3	1	25	42	107	538	23	740
36708	36892	2000.5	2001	0	0	0	0	1	0	3	1	25	42	107	538	24	741
36892	37073	2001	2001.5	0	0	0	0	1	0	3	1	25	42	107	538	24	742
37073	37257	2001.5	2002	0	0	0	0	1	0	3	1	25	42	107	539	25	743
37257	37438	2002	2002.5	0	0	0	0	1	0	3	1	25	42	107	539	25	743
37438	37622	2002.5	2003	0	0	0	0	1	0	3	1	25	42	107	539	25	744
37622	37803	2003	2003.5	0	0	0	0	2	0	3	1	25	42	107	539	26	745
37803	37987	2003.5	2004	0	0	0	0	2	0	3	1	25	42	107	539	26	745
37987	38169	2004	2004.5	0	0	0	0	2	0	3	1	25	42	107	539	26	746
38169	38353	2004.5	2005	0	0	0	0	2	0	3	1	25	43	107	539	27	746
38353	38534	2005	2005.5	0	0	0	0	2	0	3	1	25	43	107	539	27	747
38534	38718	2005.5	2006	0	0	0	0	2	0	3	1	25	43	107	539	27	747
38718	38899	2006	2006.5	0	0	0	0	2	0	3	1	25	43	107	539	28	748
38899	39083	2006.5	2007	0	0	0	0	2	0	3	1	25	43	107	539	28	748
39083	39264	2007	2007.5	0	0	0	0	2	0	3	1	25	43	107	539	28	749
39264	39448	2007.5	2008	0	0	0	0	2	0	3	1	25	43	107	539	29	749
39448	39630	2008	2008.5	0	0	0	0	2	0	3	1	26	43	107	539	29	749
39630	39814	2008.5	2009	0	0	0	0	2	0	3	1	26	43	108	539	29	750
39814	39995	2009	2009.5	0	0	0	0	2	0	3	1	26	43	108	539	29	750
39995	40179	2009.5	2010	0	0	0	0	2	0	3	1	26	43	108	539	30	751

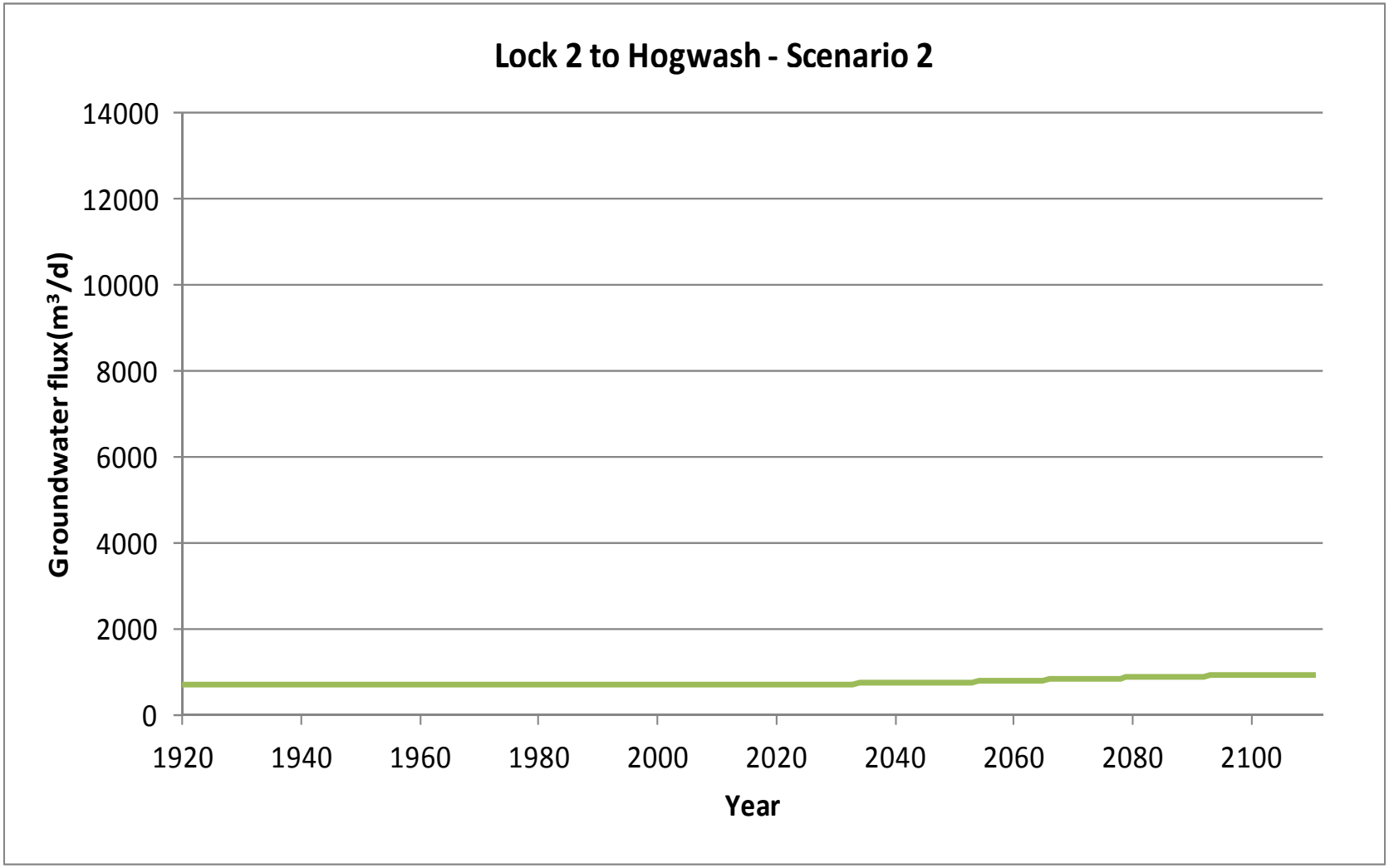
B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 2) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	0	0	0	0	2	0	3	1	26	43	108	539	31	753
40360	40544	2010.5	2011	0	0	0	0	2	0	3	1	26	43	108	539	32	754
40544	40909	2011	2012	0	0	0	0	2	0	4	1	26	43	108	539	33	756
40909	41275	2012	2013	0	0	0	0	2	0	4	1	26	43	108	539	34	758
41275	41640	2013	2014	0	0	0	0	2	0	4	1	26	43	108	539	35	759
41640	42005	2014	2015	0	0	0	0	2	0	4	1	26	44	108	539	36	761
42005	42370	2015	2016	0	0	0	0	2	0	4	1	27	44	108	539	37	762
42370	42736	2016	2017	0	0	0	0	2	0	4	1	27	44	108	540	38	764
42736	43101	2017	2018	0	0	0	0	2	0	4	1	27	44	108	540	38	765
43101	43466	2018	2019	0	0	0	0	2	0	4	1	27	44	108	540	39	766
43466	43831	2019	2020	0	0	0	0	2	0	4	1	27	44	108	540	40	767
43831	44197	2020	2021	0	0	0	0	2	0	4	1	27	44	109	540	43	771
44197	44562	2021	2022	0	0	0	0	3	0	5	1	27	44	109	540	44	774
44562	44927	2022	2023	0	0	0	0	3	0	5	1	28	44	109	540	46	776
44927	45292	2023	2024	0	0	0	0	3	0	5	1	28	45	109	540	47	778
45292	45658	2024	2025	0	0	0	0	3	0	5	1	28	45	109	540	48	779
45658	46023	2025	2026	0	0	0	0	3	0	5	1	28	45	109	540	49	781
46023	46388	2026	2027	0	0	0	0	3	0	5	1	28	45	109	540	50	783
46388	46753	2027	2028	0	0	0	0	3	0	5	1	29	45	109	540	50	784
46753	47119	2028	2029	0	0	0	0	3	0	5	1	29	45	109	540	51	786
47119	47484	2029	2030	0	0	0	1	3	0	6	1	29	45	110	541	52	787
47484	47849	2030	2031	0	0	1	1	3	0	6	1	29	45	110	541	55	792
47849	48214	2031	2032	0	0	1	1	4	0	6	1	29	46	110	541	57	795
48214	48580	2032	2033	0	0	1	1	4	1	6	1	29	46	110	541	58	797
48580	48945	2033	2034	0	0	1	1	4	1	6	1	30	46	110	541	59	800
48945	49310	2034	2035	0	0	1	1	4	1	6	1	30	46	110	541	60	802
49310	49675	2035	2036	0	0	1	1	5	1	6	1	30	46	110	541	61	805
49675	50041	2036	2037	0	0	1	2	5	1	7	1	30	46	111	541	62	807
50041	50406	2037	2038	0	0	1	2	5	1	7	1	30	46	111	541	63	810
50406	50771	2038	2039	0	0	1	2	5	1	7	1	31	47	111	541	64	812
50771	51136	2039	2040	0	0	1	3	6	1	7	1	31	47	111	542	65	814
51136	51502	2040	2041	0	0	1	3	6	1	7	1	31	47	111	542	68	819
51502	51867	2041	2042	0	0	1	4	7	2	7	1	31	47	111	542	70	823
51867	52232	2042	2043	0	0	2	4	7	2	8	1	31	47	111	542	71	827
52232	52597	2043	2044	0	0	2	5	7	2	8	1	32	47	111	542	73	830
52597	52963	2044	2045	0	0	2	5	8	2	8	1	32	48	112	542	74	834
52963	53328	2045	2046	0	0	2	6	8	2	8	1	32	48	112	542	75	837
53328	53693	2046	2047	0	0	3	7	9	2	8	1	32	48	112	542	76	841
53693	54058	2047	2048	0	0	3	7	10	2	9	1	33	48	112	542	77	845
54058	54424	2048	2049	0	0	3	8	10	3	9	1	33	48	112	542	78	848
54424	54789	2049	2050	0	0	4	9	11	3	9	1	33	48	112	543	80	852
54789	55154	2050	2051	0	0	4	9	12	3	9	1	33	48	112	543	82	858
55154	55519	2051	2052	0	0	5	10	13	3	9	1	34	49	112	543	84	863
55519	55885	2052	2053	0	0	5	11	13	4	10	1	34	49	113	543	85	868
55885	56250	2053	2054	0	0	6	11	14	4	10	1	34	49	113	543	86	872
56250	56615	2054	2055	0	0	6	12	15	5	10	1	35	49	113	543	88	877
56615	56980	2055	2056	0	0	6	13	16	5	10	1	35	49	113	543	89	881
56980	57346	2056	2057	0	0	7	13	17	5	11	2	35	50	113	543	90	886
57346	57711	2057	2058	0	0	7	14	17	6	11	2	36	50	113	543	91	890
57711	58076	2058	2059	0	0	8	15	18	6	11	2	36	50	114	544	92	894
58076	58441	2059	2060	0	0	8	15	19	6	11	2	36	50	114	544	94	899

B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 2) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	0	1	9	16	19	7	12	2	36	50	114	544	95	904
58807	59172	2061	2062	0	1	9	17	20	8	12	2	37	50	114	544	97	910
59172	59537	2062	2063	0	1	10	18	21	8	12	2	37	51	114	544	98	915
59537	59902	2063	2064	0	1	10	19	22	9	12	2	37	51	114	544	99	920
59902	60268	2064	2065	0	1	11	20	23	9	13	2	38	51	114	544	101	925
60268	60633	2065	2066	0	1	11	21	24	10	13	2	38	51	115	544	102	931
60633	60998	2066	2067	0	1	12	22	24	10	13	2	38	51	115	544	103	935
60998	61363	2067	2068	0	1	12	23	25	11	13	2	39	51	115	545	104	940
61363	61729	2068	2069	0	1	13	24	26	11	14	2	39	52	115	545	105	945
61729	62094	2069	2070	0	1	13	24	27	11	14	2	39	52	115	545	106	949
62094	62459	2070	2071	0	1	14	25	27	12	14	2	39	52	115	545	107	954
62459	62824	2071	2072	0	2	14	26	28	12	14	2	40	52	116	545	109	959
62824	63190	2072	2073	0	2	15	27	29	13	14	2	40	52	116	545	110	964
63190	63555	2073	2074	0	2	15	28	30	14	15	2	40	53	116	545	111	969
63555	63920	2074	2075	0	2	16	28	30	14	15	2	41	53	116	545	112	974
63920	64285	2075	2076	0	2	16	29	31	15	15	2	41	53	116	545	113	978
64285	64651	2076	2077	0	2	17	30	32	15	15	2	41	53	116	546	114	983
64651	65016	2077	2078	0	2	17	30	33	16	16	2	41	53	117	546	115	987
65016	65381	2078	2079	0	2	18	31	33	16	16	2	42	54	117	546	116	991
65381	65746	2079	2080	0	2	18	32	34	17	16	2	42	54	117	546	116	995
65746	66112	2080	2081	0	2	19	32	34	17	16	2	42	54	117	546	118	999
66112	66477	2081	2082	0	2	19	33	35	18	16	2	42	54	117	546	118	1004
66477	66842	2082	2083	0	2	20	34	36	18	17	2	43	54	117	546	119	1008
66842	67207	2083	2084	0	3	20	34	36	19	17	2	43	54	118	546	120	1012
67207	67573	2084	2085	0	3	20	35	37	19	17	2	43	55	118	546	121	1016
67573	67938	2085	2086	0	3	21	36	38	20	17	2	43	55	118	547	122	1020
67938	68303	2086	2087	0	3	21	36	38	20	17	2	44	55	118	547	123	1024
68303	68668	2087	2088	0	3	22	37	39	21	18	2	44	55	118	547	123	1027
68668	69034	2088	2089	0	3	22	37	39	21	18	2	44	55	118	547	124	1031
69034	69399	2089	2090	0	3	22	38	40	22	18	2	44	55	119	547	125	1034
69399	69764	2090	2091	0	3	23	38	40	22	18	2	44	56	119	547	126	1038
69764	70129	2091	2092	0	3	23	39	41	23	18	2	45	56	119	547	126	1042
70129	70495	2092	2093	0	3	23	40	41	23	18	2	45	56	119	547	127	1045
70495	70860	2093	2094	0	3	24	40	42	24	18	2	45	56	119	547	128	1049
70860	71225	2094	2095	0	3	24	41	42	24	19	2	45	56	120	548	128	1052
71225	71590	2095	2096	0	3	25	41	43	25	19	2	46	57	120	548	129	1056
71590	71956	2096	2097	0	3	25	41	43	25	19	2	46	57	120	548	129	1059
71956	72321	2097	2098	0	3	25	42	44	25	19	2	46	57	120	548	130	1062
72321	72686	2098	2099	0	3	26	42	44	26	19	2	46	57	120	548	131	1065
72686	73051	2099	2100	0	3	26	43	45	26	19	2	46	57	120	548	131	1068
73051	73416	2100	2101	0	4	26	43	45	26	19	2	47	57	121	548	132	1070
73416	73781	2101	2102	0	4	27	44	45	27	20	2	47	57	121	548	132	1073
73781	74146	2102	2103	0	4	27	44	46	27	20	2	47	58	121	548	133	1076
74146	74511	2103	2104	0	4	27	44	46	28	20	2	47	58	121	549	133	1079
74511	74877	2104	2105	0	4	28	45	47	28	20	2	47	58	121	549	134	1082
74877	75242	2105	2106	0	4	28	45	47	28	20	2	48	58	121	549	134	1085
75242	75607	2106	2107	0	4	28	46	47	29	20	2	48	58	122	549	135	1087
75607	75972	2107	2108	0	4	28	46	48	29	20	2	48	58	122	549	135	1090
75972	76338	2108	2109	0	4	29	46	48	29	20	2	48	59	122	549	136	1092
76338	76703	2109	2110	0	4	29	47	48	29	21	2	48	59	122	549	136	1094
76703	77068	2110	2111	0	4	29	47	49	30	21	2	48	59	122	549	136	1097

B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 2) (Part 3/3)



B-4a (S2). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	14
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	0	14
25569	27395	1970	1975	0	0	0	0	0	0	0	0	1	1	3	8	0	14
27395	28126	1975	1977	0	0	0	0	0	0	0	0	1	1	3	8	0	14
28126	29221	1977	1980	0	0	0	0	0	0	0	0	1	1	3	8	0	14
29221	31048	1980	1985	0	0	0	0	0	0	0	0	1	1	3	8	0	14
31048	32143	1985	1988	0	0	0	0	0	0	0	0	1	1	3	8	0	14
32143	32509	1988	1989	0	0	0	0	0	0	0	0	1	1	3	8	0	14
32509	32874	1989	1990	0	0	0	0	0	0	0	0	1	1	3	8	0	14
32874	33239	1990	1991	0	0	0	0	0	0	0	0	1	1	3	8	0	14
33239	33604	1991	1992	0	0	0	0	0	0	0	0	1	1	3	8	0	14
33604	33970	1992	1993	0	0	0	0	0	0	0	0	1	1	3	8	0	14
33970	34151	1993	1993.5	0	0	0	0	0	0	0	0	1	1	3	8	0	14
34151	34335	1993.5	1994	0	0	0	0	0	0	0	0	1	1	3	8	0	14
34335	34516	1994	1994.5	0	0	0	0	0	0	0	0	1	1	3	8	0	14
34516	34700	1994.5	1995	0	0	0	0	0	0	0	0	1	1	3	8	0	14
34700	34881	1995	1995.5	0	0	0	0	0	0	0	0	1	1	3	8	0	14
34881	35065	1995.5	1996	0	0	0	0	0	0	0	0	1	1	3	8	0	14
35065	35247	1996	1996.5	0	0	0	0	0	0	0	0	1	1	3	8	0	14
35247	35431	1996.5	1997	0	0	0	0	0	0	0	0	1	1	3	8	1	14
35431	35612	1997	1997.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
35612	35796	1997.5	1998	0	0	0	0	0	0	0	0	1	1	3	8	1	14
35796	35977	1998	1998.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
35977	36161	1998.5	1999	0	0	0	0	0	0	0	0	1	1	3	8	1	14
36161	36342	1999	1999.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
36342	36526	1999.5	2000	0	0	0	0	0	0	0	0	1	1	3	8	1	14
36526	36708	2000	2000.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
36708	36892	2000.5	2001	0	0	0	0	0	0	0	0	1	1	3	8	1	14
36892	37073	2001	2001.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
37073	37257	2001.5	2002	0	0	0	0	0	0	0	0	1	1	3	8	1	14
37257	37438	2002	2002.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
37438	37622	2002.5	2003	0	0	0	0	0	0	0	0	1	1	3	8	1	14
37622	37803	2003	2003.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
37803	37987	2003.5	2004	0	0	0	0	0	0	0	0	1	1	3	8	1	14
37987	38169	2004	2004.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
38169	38353	2004.5	2005	0	0	0	0	0	0	0	0	1	1	3	8	1	14
38353	38534	2005	2005.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
38534	38718	2005.5	2006	0	0	0	0	0	0	0	0	1	1	3	8	1	14
38718	38899	2006	2006.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
38899	39083	2006.5	2007	0	0	0	0	0	0	0	0	1	1	3	8	1	14
39083	39264	2007	2007.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
39264	39448	2007.5	2008	0	0	0	0	0	0	0	0	1	1	3	8	1	14
39448	39630	2008	2008.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
39630	39814	2008.5	2009	0	0	0	0	0	0	0	0	1	1	3	8	1	14
39814	39995	2009	2009.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
39995	40179	2009.5	2010	0	0	0	0	0	0	0	0	1	1	3	8	1	14
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

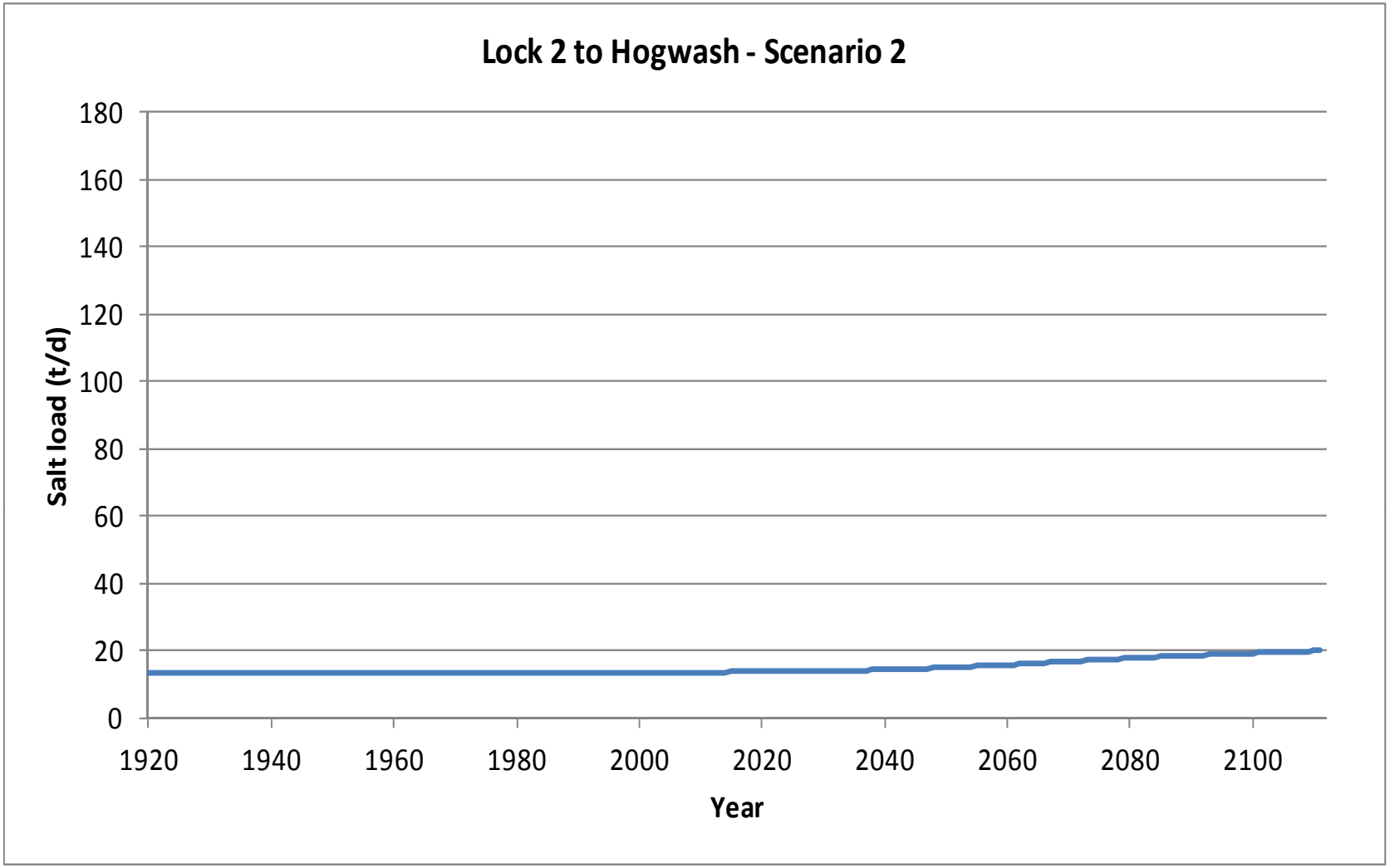
B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 2) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m3/d)
40179	40360	2010	2010.5	0	0	0	0	0	0	0	0	1	1	3	8	1	14
40360	40544	2010.5	2011	0	0	0	0	0	0	0	0	1	1	3	8	1	14
40544	40909	2011	2012	0	0	0	0	0	0	0	0	1	1	3	8	1	14
40909	41275	2012	2013	0	0	0	0	0	0	0	0	1	1	3	8	1	15
41275	41640	2013	2014	0	0	0	0	0	0	0	0	1	1	3	8	1	15
41640	42005	2014	2015	0	0	0	0	0	0	0	0	1	1	3	8	1	15
42005	42370	2015	2016	0	0	0	0	0	0	0	0	1	1	3	8	1	15
42370	42736	2016	2017	0	0	0	0	0	0	0	0	1	1	3	8	1	15
42736	43101	2017	2018	0	0	0	0	0	0	0	0	1	1	3	8	1	15
43101	43466	2018	2019	0	0	0	0	0	0	0	0	1	1	3	8	1	15
43466	43831	2019	2020	0	0	0	0	0	0	0	0	1	1	3	8	1	15
43831	44197	2020	2021	0	0	0	0	0	0	0	0	1	1	3	8	1	15
44197	44562	2021	2022	0	0	0	0	0	0	0	0	1	1	3	8	1	15
44562	44927	2022	2023	0	0	0	0	0	0	0	0	1	1	3	8	1	15
44927	45292	2023	2024	0	0	0	0	0	0	0	0	1	1	3	8	1	15
45292	45658	2024	2025	0	0	0	0	0	0	0	0	1	1	3	8	1	15
45658	46023	2025	2026	0	0	0	0	0	0	0	0	1	1	3	8	1	15
46023	46388	2026	2027	0	0	0	0	0	0	0	0	1	1	3	8	1	15
46388	46753	2027	2028	0	0	0	0	0	0	0	0	1	1	3	8	1	15
46753	47119	2028	2029	0	0	0	0	0	0	0	0	1	1	3	8	1	15
47119	47484	2029	2030	0	0	0	0	0	0	0	0	1	1	3	8	1	15
47484	47849	2030	2031	0	0	0	0	0	0	0	0	1	1	3	8	1	15
47849	48214	2031	2032	0	0	0	0	0	0	0	0	1	1	3	8	1	15
48214	48580	2032	2033	0	0	0	0	0	0	0	0	1	1	3	8	1	16
48580	48945	2033	2034	0	0	0	0	0	0	0	0	1	1	3	8	1	16
48945	49310	2034	2035	0	0	0	0	0	0	0	0	1	1	3	8	1	16
49310	49675	2035	2036	0	0	0	0	0	0	0	0	1	1	3	8	1	16
49675	50041	2036	2037	0	0	0	0	0	0	0	0	1	1	3	8	1	16
50041	50406	2037	2038	0	0	0	0	0	0	0	0	1	1	3	8	2	16
50406	50771	2038	2039	0	0	0	0	0	0	0	0	1	2	3	8	2	16
50771	51136	2039	2040	0	0	0	0	0	0	0	0	1	2	3	8	2	16
51136	51502	2040	2041	0	0	0	0	0	0	0	0	1	2	3	8	2	16
51502	51867	2041	2042	0	0	0	0	0	0	0	0	1	2	3	8	2	16
51867	52232	2042	2043	0	0	0	0	0	0	0	0	1	2	3	8	2	16
52232	52597	2043	2044	0	0	0	0	0	0	0	0	1	2	3	8	2	16
52597	52963	2044	2045	0	0	0	0	0	0	0	0	1	2	3	8	2	16
52963	53328	2045	2046	0	0	0	0	0	0	0	0	1	2	3	8	2	17
53328	53693	2046	2047	0	0	0	0	0	0	0	0	1	2	3	8	2	17
53693	54058	2047	2048	0	0	0	0	0	0	0	0	1	2	3	8	2	17
54058	54424	2048	2049	0	0	0	0	0	0	0	0	1	2	3	8	2	17
54424	54789	2049	2050	0	0	0	0	0	0	0	0	1	2	3	8	2	17
54789	55154	2050	2051	0	0	0	0	0	0	0	0	1	2	3	8	2	17
55154	55519	2051	2052	0	0	0	0	0	0	0	0	1	2	3	8	2	17
55519	55885	2052	2053	0	0	0	0	0	0	0	0	1	2	3	8	2	17
55885	56250	2053	2054	0	0	0	0	0	0	0	0	1	2	3	8	2	17
56250	56615	2054	2055	0	0	0	0	0	0	0	0	1	2	3	8	2	18
56615	56980	2055	2056	0	0	0	0	0	0	0	0	1	2	3	8	2	18
56980	57346	2056	2057	0	0	0	0	0	0	0	0	1	2	3	8	2	18
57346	57711	2057	2058	0	0	0	0	0	0	0	0	1	2	3	8	2	18
57711	58076	2058	2059	0	0	0	0	0	0	0	0	1	2	3	8	2	18
58076	58441	2059	2060	0	0	0	0	0	0	0	0	1	2	3	8	2	18
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 2) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m3/d)
58441	58807	2060	2061	0	0	0	0	1	0	0	0	1	2	3	8	2	18
58807	59172	2061	2062	0	0	0	0	1	0	0	0	1	2	3	8	2	18
59172	59537	2062	2063	0	0	0	0	1	0	0	0	1	2	3	8	2	19
59537	59902	2063	2064	0	0	0	1	1	0	0	0	1	2	3	8	2	19
59902	60268	2064	2065	0	0	0	1	1	0	0	0	1	2	3	8	2	19
60268	60633	2065	2066	0	0	0	1	1	0	0	0	1	2	3	8	2	19
60633	60998	2066	2067	0	0	0	1	1	0	0	0	1	2	3	8	2	19
60998	61363	2067	2068	0	0	0	1	1	0	0	0	1	2	3	8	2	19
61363	61729	2068	2069	0	0	0	1	1	0	0	0	1	2	3	8	3	19
61729	62094	2069	2070	0	0	0	1	1	0	0	0	1	2	3	8	3	19
62094	62459	2070	2071	0	0	0	1	1	0	0	0	1	2	3	8	3	20
62459	62824	2071	2072	0	0	0	1	1	0	0	0	1	2	3	8	3	20
62824	63190	2072	2073	0	0	0	1	1	0	0	0	1	2	3	8	3	20
63190	63555	2073	2074	0	0	0	1	1	0	0	0	1	2	3	8	3	20
63555	63920	2074	2075	0	0	0	1	1	0	0	0	1	2	3	8	3	20
63920	64285	2075	2076	0	0	0	1	1	0	0	0	1	2	3	8	3	20
64285	64651	2076	2077	0	0	0	1	1	0	0	0	1	2	3	8	3	20
64651	65016	2077	2078	0	0	0	1	1	0	0	0	1	2	3	8	3	20
65016	65381	2078	2079	0	0	0	1	1	0	0	0	1	2	3	8	3	21
65381	65746	2079	2080	0	0	0	1	1	0	0	0	1	2	3	8	3	21
65746	66112	2080	2081	0	0	0	1	1	0	0	0	1	2	3	8	3	21
66112	66477	2081	2082	0	0	1	1	1	0	0	0	1	2	3	8	3	21
66477	66842	2082	2083	0	0	1	1	1	0	0	0	1	2	3	8	3	21
66842	67207	2083	2084	0	0	1	1	1	1	0	0	1	2	3	8	3	21
67207	67573	2084	2085	0	0	1	1	1	1	0	0	1	2	3	8	3	21
67573	67938	2085	2086	0	0	1	1	1	1	0	0	1	2	3	8	3	21
67938	68303	2086	2087	0	0	1	1	1	1	0	0	1	2	3	8	3	21
68303	68668	2087	2088	0	0	1	1	1	1	0	0	1	2	3	8	3	21
68668	69034	2088	2089	0	0	1	1	1	1	0	0	1	2	3	8	3	22
69034	69399	2089	2090	0	0	1	1	1	1	0	0	1	2	3	8	3	22
69399	69764	2090	2091	0	0	1	1	1	1	0	0	1	2	3	8	3	22
69764	70129	2091	2092	0	0	1	1	1	1	0	0	1	2	3	8	3	22
70129	70495	2092	2093	0	0	1	1	1	1	0	0	1	2	3	8	3	22
70495	70860	2093	2094	0	0	1	1	1	1	0	0	1	2	3	8	3	22
70860	71225	2094	2095	0	0	1	1	1	1	0	0	1	2	3	8	3	22
71225	71590	2095	2096	0	0	1	1	1	1	0	0	1	2	3	8	3	22
71590	71956	2096	2097	0	0	1	1	1	1	0	0	1	2	3	8	3	22
71956	72321	2097	2098	0	0	1	1	1	1	0	0	1	2	3	8	3	22
72321	72686	2098	2099	0	0	1	1	1	1	0	0	1	2	3	8	3	22
72686	73051	2099	2100	0	0	1	1	1	1	0	0	1	2	3	8	3	22
73051	73416	2100	2101	0	0	1	1	1	1	0	0	1	2	3	8	3	23
73416	73781	2101	2102	0	0	1	1	1	1	0	0	1	2	3	8	3	23
73781	74146	2102	2103	0	0	1	1	1	1	0	0	1	2	3	9	3	23
74146	74511	2103	2104	0	0	1	1	1	1	0	0	1	2	3	9	3	23
74511	74877	2104	2105	0	0	1	1	1	1	0	0	1	2	3	9	3	23
74877	75242	2105	2106	0	0	1	1	1	1	0	0	1	2	3	9	3	23
75242	75607	2106	2107	0	0	1	1	1	1	0	0	1	2	3	9	3	23
75607	75972	2107	2108	0	0	1	1	1	1	0	0	1	2	3	9	3	23
75972	76338	2108	2109	0	0	1	1	1	1	0	0	1	2	3	9	3	23
76338	76703	2109	2110	0	0	1	1	1	1	0	0	1	2	3	9	3	23
76703	77068	2110	2111	0	0	1	1	1	1	0	0	1	2	3	9	3	23
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 2) (Part 3/3)



B-4b (S2). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2300
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	208	102	202	208	204	174	104	48	139	92	159	567	453	2660
32874	33239	1990	1991	211	106	209	214	211	182	109	49	143	94	160	568	460	2717
33239	33604	1991	1992	214	110	215	219	217	190	114	50	147	96	162	568	467	2769
33604	33970	1992	1993	217	114	221	224	223	196	118	51	151	97	163	569	474	2816
33970	34151	1993	1993.5	218	116	224	227	226	199	119	51	152	98	163	569	477	2838
34151	34335	1993.5	1994	219	117	226	229	228	202	121	52	154	98	164	570	480	2860
34335	34516	1994	1994.5	220	120	229	231	231	205	123	52	157	101	164	570	486	2888
34516	34700	1994.5	1995	221	121	232	233	233	208	124	52	159	102	165	570	489	2910
34700	34881	1995	1995.5	222	123	234	236	236	210	126	53	161	103	166	571	491	2932
34881	35065	1995.5	1996	224	124	237	238	239	213	128	53	163	104	166	571	494	2953
35065	35247	1996	1996.5	225	126	239	240	241	216	130	53	165	105	167	571	497	2974
35247	35431	1996.5	1997	226	128	241	242	244	219	132	54	167	105	167	571	500	2996
35431	35612	1997	1997.5	227	129	244	244	246	222	134	54	170	106	168	572	502	3018
35612	35796	1997.5	1998	228	130	246	246	249	225	136	55	173	107	168	572	505	3040
35796	35977	1998	1998.5	229	132	248	248	251	228	138	55	175	108	169	572	507	3061
35977	36161	1998.5	1999	230	133	250	250	253	230	140	55	178	109	170	572	510	3082
36161	36342	1999	1999.5	231	135	252	252	255	233	142	56	180	110	170	573	512	3101
36342	36526	1999.5	2000	232	136	254	254	257	235	144	56	183	111	171	573	514	3120
36526	36708	2000	2000.5	233	137	256	255	259	238	145	57	184	112	171	573	517	3138
36708	36892	2000.5	2001	234	138	258	257	261	240	147	57	186	113	172	574	519	3155
36892	37073	2001	2001.5	235	140	260	259	263	242	148	57	188	113	172	574	521	3171
37073	37257	2001.5	2002	235	141	262	260	265	244	150	58	190	114	173	574	523	3187
37257	37438	2002	2002.5	236	142	264	262	267	246	151	58	191	115	173	574	525	3202
37438	37622	2002.5	2003	237	143	265	263	268	248	152	58	192	115	173	574	527	3217
37622	37803	2003	2003.5	238	144	267	265	270	250	153	58	194	116	174	575	528	3230
37803	37987	2003.5	2004	238	145	269	266	271	251	154	59	195	116	174	575	530	3244
37987	38169	2004	2004.5	239	146	270	267	273	253	155	59	196	117	174	575	532	3256
38169	38353	2004.5	2005	240	147	272	269	274	255	156	59	197	117	175	575	533	3269
38353	38534	2005	2005.5	240	148	273	270	275	256	157	59	198	118	175	575	535	3280
38534	38718	2005.5	2006	241	149	275	271	277	258	158	59	199	118	175	576	537	3292
38718	38899	2006	2006.5	242	149	276	272	278	259	159	60	199	119	176	576	538	3302
38899	39083	2006.5	2007	242	150	277	274	279	260	160	60	200	119	176	576	540	3313
39083	39264	2007	2007.5	243	151	279	275	280	261	160	60	201	119	176	576	541	3323
39264	39448	2007.5	2008	243	152	280	276	281	263	161	60	202	120	177	576	542	3333
39448	39630	2008	2008.5	244	153	281	277	283	264	162	60	202	120	177	576	544	3342
39630	39814	2008.5	2009	244	153	282	278	284	265	163	61	203	120	177	576	545	3351
39814	39995	2009	2009.5	245	154	284	279	285	266	163	61	204	121	177	577	546	3360
39995	40179	2009.5	2010	245	155	285	280	286	267	164	61	204	121	178	577	547	3369

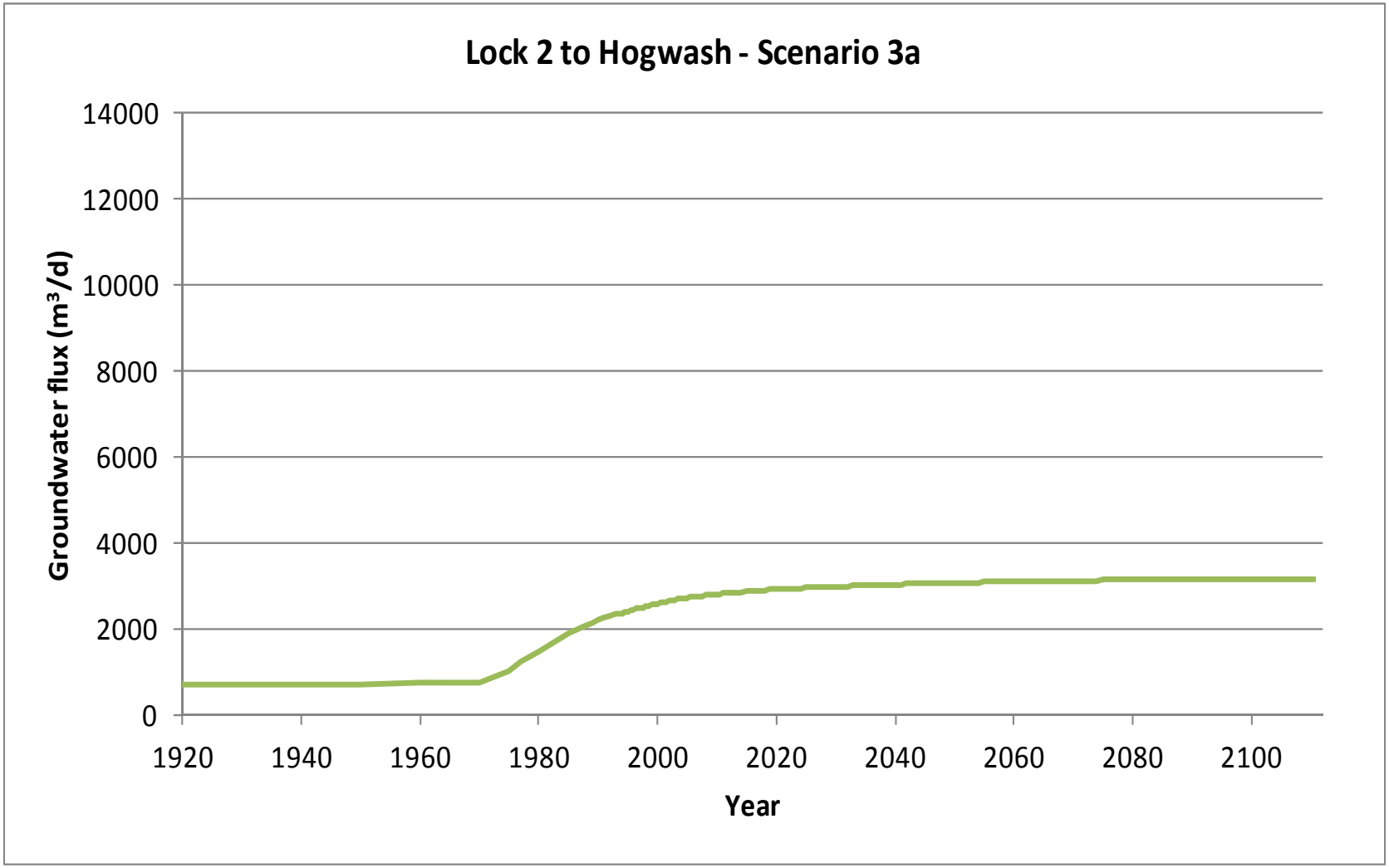
B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3a) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	246	155	286	281	287	268	164	61	205	121	178	577	549	3377
40360	40544	2010.5	2011	246	156	287	282	287	269	165	61	205	122	178	577	550	3385
40544	40909	2011	2012	247	157	289	284	289	271	166	61	206	122	178	577	552	3400
40909	41275	2012	2013	248	159	291	285	291	273	167	62	207	123	179	577	554	3414
41275	41640	2013	2014	248	160	293	287	292	274	168	62	208	123	179	577	556	3428
41640	42005	2014	2015	249	161	295	288	294	276	169	62	209	123	179	578	558	3441
42005	42370	2015	2016	250	162	296	290	295	277	169	62	209	124	180	578	560	3453
42370	42736	2016	2017	251	163	298	291	297	279	170	62	210	124	180	578	562	3464
42736	43101	2017	2018	251	164	300	293	298	280	171	63	211	124	180	578	563	3475
43101	43466	2018	2019	252	165	301	294	299	281	171	63	211	125	181	578	565	3486
43466	43831	2019	2020	252	166	303	295	300	283	172	63	212	125	181	578	566	3496
43831	44197	2020	2021	253	167	304	296	302	284	173	63	212	125	181	578	568	3505
44197	44562	2021	2022	253	167	305	298	303	285	173	63	213	125	181	578	569	3514
44562	44927	2022	2023	254	168	307	299	304	286	174	63	213	126	181	579	571	3523
44927	45292	2023	2024	254	169	308	300	305	287	174	63	213	126	182	579	572	3532
45292	45658	2024	2025	255	170	309	301	306	288	175	64	214	126	182	579	573	3540
45658	46023	2025	2026	255	170	310	302	307	289	175	64	214	126	182	579	575	3547
46023	46388	2026	2027	256	171	311	303	307	289	176	64	215	126	182	579	576	3555
46388	46753	2027	2028	256	172	313	304	308	290	176	64	215	127	182	579	577	3562
46753	47119	2028	2029	257	172	314	304	309	291	176	64	215	127	183	579	578	3569
47119	47484	2029	2030	257	173	315	305	310	292	177	64	216	127	183	579	579	3576
47484	47849	2030	2031	257	174	316	306	311	293	177	64	216	127	183	579	580	3583
47849	48214	2031	2032	258	174	317	307	311	293	177	64	216	127	183	579	581	3589
48214	48580	2032	2033	258	175	318	308	312	294	178	64	216	127	183	579	582	3596
48580	48945	2033	2034	258	175	319	309	313	295	178	64	217	128	183	579	583	3602
48945	49310	2034	2035	259	176	319	309	314	296	178	64	217	128	183	580	584	3607
49310	49675	2035	2036	259	176	320	310	314	296	179	65	217	128	184	580	585	3613
49675	50041	2036	2037	259	177	321	311	315	297	179	65	217	128	184	580	586	3619
50041	50406	2037	2038	260	178	322	312	315	297	179	65	218	128	184	580	587	3624
50406	50771	2038	2039	260	178	323	312	316	298	180	65	218	128	184	580	588	3629
50771	51136	2039	2040	260	179	324	313	317	299	180	65	218	128	184	580	589	3634
51136	51502	2040	2041	261	179	324	314	317	299	180	65	218	128	184	580	590	3639
51502	51867	2041	2042	261	179	325	314	318	300	181	65	218	129	184	580	590	3644
51867	52232	2042	2043	261	180	326	315	318	300	181	65	219	129	184	580	591	3649
52232	52597	2043	2044	261	180	327	315	319	301	181	65	219	129	184	580	592	3654
52597	52963	2044	2045	262	181	327	316	319	301	181	65	219	129	185	580	593	3658
52963	53328	2045	2046	262	181	328	317	320	302	181	65	219	129	185	580	593	3663
53328	53693	2046	2047	262	182	329	317	320	302	182	65	219	129	185	580	594	3667
53693	54058	2047	2048	263	182	329	318	321	303	182	65	220	129	185	580	595	3671
54058	54424	2048	2049	263	182	330	318	321	303	182	65	220	129	185	580	596	3675
54424	54789	2049	2050	263	183	331	319	322	304	182	65	220	129	185	580	596	3679
54789	55154	2050	2051	263	183	331	319	322	304	183	65	220	129	185	580	597	3683
55154	55519	2051	2052	263	183	332	320	323	304	183	65	220	129	185	580	597	3686
55519	55885	2052	2053	264	184	332	320	323	305	183	66	220	130	185	580	598	3690
55885	56250	2053	2054	264	184	333	321	324	305	183	66	221	130	185	580	599	3694
56250	56615	2054	2055	264	184	334	321	324	306	183	66	221	130	185	581	599	3697
56615	56980	2055	2056	264	185	334	321	324	306	183	66	221	130	185	581	600	3701
56980	57346	2056	2057	264	185	335	322	325	306	184	66	221	130	186	581	600	3704
57346	57711	2057	2058	265	185	335	322	325	307	184	66	221	130	186	581	601	3707
57711	58076	2058	2059	265	186	336	323	325	307	184	66	221	130	186	581	601	3710
58076	58441	2059	2060	265	186	336	323	326	307	184	66	221	130	186	581	602	3713

B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3a) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	265	186	337	324	326	308	184	66	221	130	186	581	602	3716
58807	59172	2061	2062	265	187	337	324	326	308	184	66	222	130	186	581	603	3719
59172	59537	2062	2063	266	187	337	324	327	308	185	66	222	130	186	581	603	3722
59537	59902	2063	2064	266	187	338	325	327	309	185	66	222	130	186	581	604	3725
59902	60268	2064	2065	266	187	338	325	327	309	185	66	222	130	186	581	604	3727
60268	60633	2065	2066	266	188	339	325	328	309	185	66	222	130	186	581	605	3730
60633	60998	2066	2067	266	188	339	326	328	310	185	66	222	131	186	581	605	3732
60998	61363	2067	2068	266	188	340	326	328	310	185	66	222	131	186	581	606	3735
61363	61729	2068	2069	267	188	340	326	329	310	185	66	222	131	186	581	606	3737
61729	62094	2069	2070	267	189	340	327	329	310	186	66	222	131	186	581	606	3740
62094	62459	2070	2071	267	189	341	327	329	311	186	66	222	131	186	581	607	3742
62459	62824	2071	2072	267	189	341	327	329	311	186	66	223	131	186	581	607	3744
62824	63190	2072	2073	267	189	341	327	330	311	186	66	223	131	186	581	607	3746
63190	63555	2073	2074	267	189	342	328	330	311	186	66	223	131	187	581	608	3749
63555	63920	2074	2075	267	190	342	328	330	312	186	66	223	131	187	581	608	3751
63920	64285	2075	2076	267	190	342	328	330	312	186	66	223	131	187	581	608	3753
64285	64651	2076	2077	268	190	343	329	331	312	186	66	223	131	187	581	609	3755
64651	65016	2077	2078	268	190	343	329	331	312	186	66	223	131	187	581	609	3757
65016	65381	2078	2079	268	190	343	329	331	312	187	66	223	131	187	581	609	3758
65381	65746	2079	2080	268	191	344	329	331	313	187	66	223	131	187	581	610	3760
65746	66112	2080	2081	268	191	344	329	331	313	187	66	223	131	187	581	610	3762
66112	66477	2081	2082	268	191	344	330	332	313	187	66	223	131	187	581	610	3764
66477	66842	2082	2083	268	191	344	330	332	313	187	67	223	131	187	581	611	3765
66842	67207	2083	2084	268	191	345	330	332	313	187	67	223	131	187	581	611	3767
67207	67573	2084	2085	268	191	345	330	332	314	187	67	224	131	187	581	611	3769
67573	67938	2085	2086	268	192	345	331	332	314	187	67	224	131	187	581	611	3770
67938	68303	2086	2087	269	192	345	331	333	314	187	67	224	131	187	581	612	3772
68303	68668	2087	2088	269	192	346	331	333	314	187	67	224	131	187	581	612	3773
68668	69034	2088	2089	269	192	346	331	333	314	187	67	224	131	187	581	612	3775
69034	69399	2089	2090	269	192	346	331	333	314	187	67	224	132	187	581	612	3776
69399	69764	2090	2091	269	192	346	331	333	315	188	67	224	132	187	581	613	3778
69764	70129	2091	2092	269	192	346	332	333	315	188	67	224	132	187	581	613	3779
70129	70495	2092	2093	269	192	347	332	333	315	188	67	224	132	187	581	613	3780
70495	70860	2093	2094	269	193	347	332	334	315	188	67	224	132	187	581	613	3781
70860	71225	2094	2095	269	193	347	332	334	315	188	67	224	132	187	581	613	3783
71225	71590	2095	2096	269	193	347	332	334	315	188	67	224	132	187	582	614	3784
71590	71956	2096	2097	269	193	347	332	334	315	188	67	224	132	187	582	614	3785
71956	72321	2097	2098	269	193	348	333	334	316	188	67	224	132	187	582	614	3786
72321	72686	2098	2099	270	193	348	333	334	316	188	67	224	132	188	582	614	3787
72686	73051	2099	2100	270	193	348	333	334	316	188	67	224	132	188	582	614	3789
73051	73416	2100	2101	270	193	348	333	335	316	188	67	224	132	188	582	615	3790
73416	73781	2101	2102	270	193	348	333	335	316	188	67	224	132	188	582	615	3791
73781	74146	2102	2103	270	194	348	333	335	316	188	67	224	132	188	582	615	3792
74146	74511	2103	2104	270	194	349	333	335	316	188	67	225	132	188	582	615	3793
74511	74877	2104	2105	270	194	349	334	335	316	188	67	225	132	188	582	615	3794
74877	75242	2105	2106	270	194	349	334	335	317	188	67	225	132	188	582	615	3795
75242	75607	2106	2107	270	194	349	334	335	317	188	67	225	132	188	582	616	3796
75607	75972	2107	2108	270	194	349	334	335	317	189	67	225	132	188	582	616	3797
75972	76338	2108	2109	270	194	349	334	335	317	189	67	225	132	188	582	616	3797
76338	76703	2109	2110	270	194	350	334	336	317	189	67	225	132	188	582	616	3798
76703	77068	2110	2111	270	194	350	334	336	317	189	67	225	132	188	582	616	3799

B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3a) (Part 3/3)



B-4a (S3a). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 3a)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	3	1	4	3	5	9	11	63
33604	33970	1992	1993	2	3	6	6	6	5	3	1	4	3	5	9	11	64
33970	34151	1993	1993.5	2	3	6	6	6	5	3	1	4	3	5	9	11	64
34151	34335	1993.5	1994	2	3	6	6	6	5	3	1	4	3	5	9	12	65
34335	34516	1994	1994.5	2	3	6	6	6	5	3	1	5	3	5	9	12	66
34516	34700	1994.5	1995	2	3	6	6	6	6	3	1	5	3	5	9	12	66
34700	34881	1995	1995.5	2	3	6	6	6	6	3	1	5	3	5	9	12	67
34881	35065	1995.5	1996	2	3	6	6	6	6	3	1	5	3	5	9	12	67
35065	35247	1996	1996.5	2	3	6	6	6	6	3	1	5	3	5	9	12	68
35247	35431	1996.5	1997	2	3	6	6	7	6	3	1	5	3	5	9	12	68
35431	35612	1997	1997.5	2	3	6	7	7	6	3	1	5	3	5	9	12	69
35612	35796	1997.5	1998	2	3	7	7	7	6	3	1	5	3	5	9	12	70
35796	35977	1998	1998.5	2	4	7	7	7	6	3	1	5	3	5	9	12	70
35977	36161	1998.5	1999	2	4	7	7	7	6	3	1	5	4	5	9	12	71
36161	36342	1999	1999.5	2	4	7	7	7	6	3	1	5	4	5	9	12	71
36342	36526	1999.5	2000	2	4	7	7	7	6	3	1	5	4	5	9	12	72
36526	36708	2000	2000.5	2	4	7	7	7	6	3	1	5	4	5	9	12	72
36708	36892	2000.5	2001	2	4	7	7	7	6	3	1	5	4	5	9	12	72
36892	37073	2001	2001.5	2	4	7	7	7	6	3	1	5	4	5	9	12	73
37073	37257	2001.5	2002	2	4	7	7	7	7	3	1	6	4	5	9	13	73
37257	37438	2002	2002.5	2	4	7	7	7	7	3	1	6	4	5	9	13	74
37438	37622	2002.5	2003	2	4	7	7	7	7	3	1	6	4	5	9	13	74
37622	37803	2003	2003.5	2	4	7	7	7	7	3	1	6	4	5	9	13	74
37803	37987	2003.5	2004	2	4	7	7	7	7	3	1	6	4	5	9	13	75
37987	38169	2004	2004.5	2	4	7	7	7	7	3	1	6	4	5	9	13	75
38169	38353	2004.5	2005	2	4	7	7	7	7	3	1	6	4	5	9	13	75
38353	38534	2005	2005.5	2	4	7	7	7	7	3	1	6	4	5	9	13	76
38534	38718	2005.5	2006	2	4	7	7	7	7	3	1	6	4	5	9	13	76
38718	38899	2006	2006.5	2	4	7	7	7	7	3	1	6	4	5	9	13	76
38899	39083	2006.5	2007	2	4	7	7	7	7	4	1	6	4	5	9	13	76
39083	39264	2007	2007.5	2	4	7	7	7	7	4	1	6	4	5	9	13	77
39264	39448	2007.5	2008	2	4	7	7	7	7	4	1	6	4	5	9	13	77
39448	39630	2008	2008.5	2	4	7	7	8	7	4	1	6	4	5	9	13	77
39630	39814	2008.5	2009	2	4	8	7	8	7	4	1	6	4	5	9	13	77
39814	39995	2009	2009.5	2	4	8	7	8	7	4	1	6	4	5	9	13	78
39995	40179	2009.5	2010	2	4	8	7	8	7	4	1	6	4	5	9	13	78
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

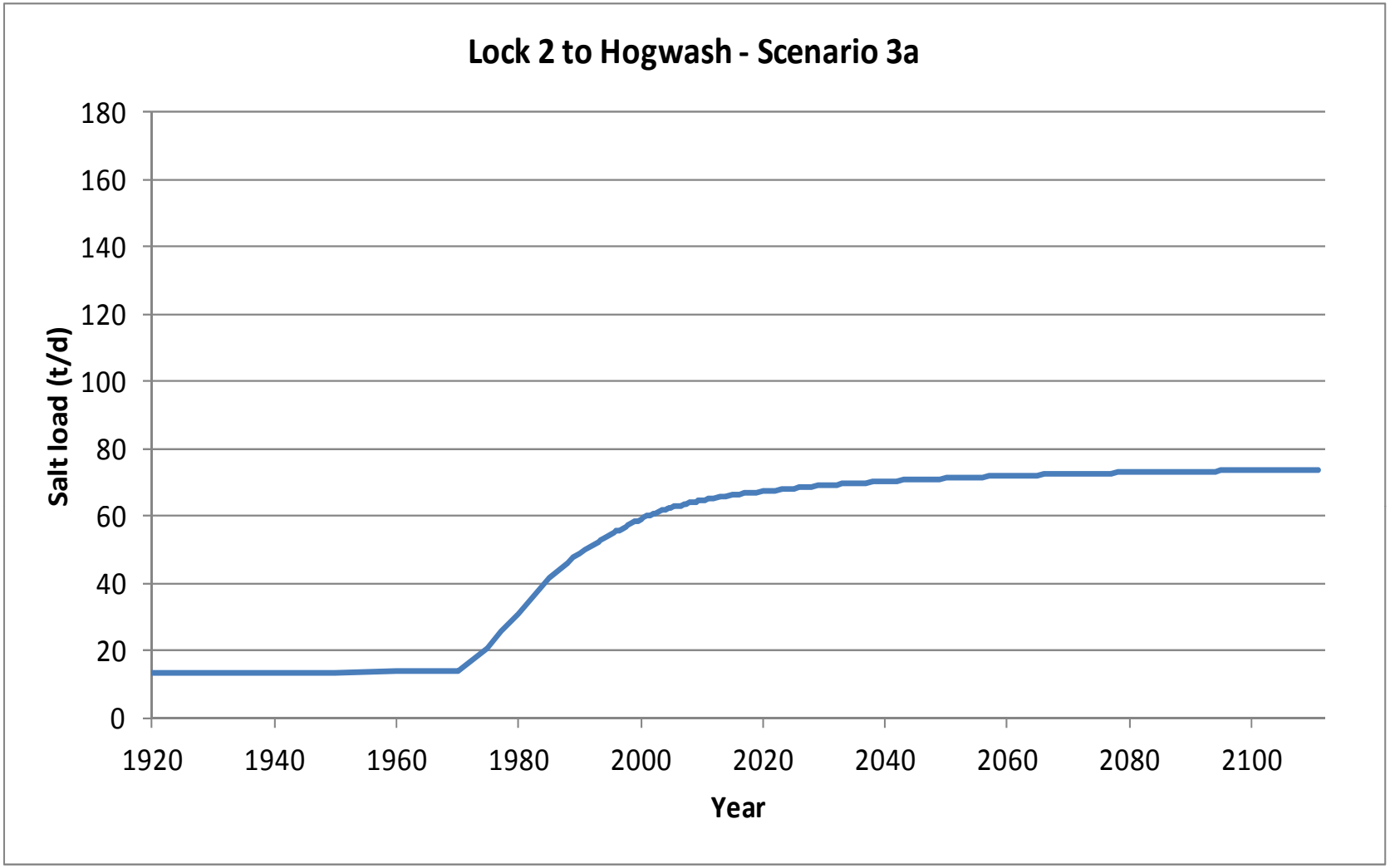
B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3a) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	2	4	8	7	8	7	4	1	6	4	5	9	13	78
40360	40544	2010.5	2011	2	4	8	8	8	7	4	1	6	4	5	9	13	78
40544	40909	2011	2012	2	4	8	8	8	7	4	1	6	4	5	9	13	79
40909	41275	2012	2013	2	4	8	8	8	7	4	1	6	4	5	9	13	79
41275	41640	2013	2014	2	4	8	8	8	7	4	1	6	4	5	9	13	79
41640	42005	2014	2015	2	4	8	8	8	7	4	1	6	4	5	9	13	80
42005	42370	2015	2016	2	4	8	8	8	7	4	1	6	4	5	9	13	80
42370	42736	2016	2017	2	4	8	8	8	7	4	1	6	4	5	9	13	80
42736	43101	2017	2018	2	4	8	8	8	7	4	1	6	4	5	9	14	80
43101	43466	2018	2019	2	4	8	8	8	7	4	1	6	4	5	9	14	81
43466	43831	2019	2020	2	4	8	8	8	8	4	1	6	4	5	9	14	81
43831	44197	2020	2021	2	4	8	8	8	8	4	1	6	4	5	9	14	81
44197	44562	2021	2022	2	4	8	8	8	8	4	1	6	4	5	9	14	81
44562	44927	2022	2023	2	4	8	8	8	8	4	1	6	4	5	9	14	82
44927	45292	2023	2024	2	5	8	8	8	8	4	1	6	4	5	9	14	82
45292	45658	2024	2025	2	5	8	8	8	8	4	1	6	4	5	9	14	82
45658	46023	2025	2026	2	5	8	8	8	8	4	1	6	4	5	9	14	82
46023	46388	2026	2027	2	5	8	8	8	8	4	1	6	4	5	9	14	82
46388	46753	2027	2028	2	5	8	8	8	8	4	1	6	4	5	9	14	83
46753	47119	2028	2029	2	5	8	8	8	8	4	1	6	4	5	9	14	83
47119	47484	2029	2030	2	5	8	8	8	8	4	1	6	4	5	9	14	83
47484	47849	2030	2031	2	5	8	8	8	8	4	1	6	4	5	9	14	83
47849	48214	2031	2032	2	5	8	8	8	8	4	1	6	4	5	9	14	83
48214	48580	2032	2033	2	5	8	8	8	8	4	1	6	4	5	9	14	84
48580	48945	2033	2034	2	5	8	8	8	8	4	1	6	4	5	9	14	84
48945	49310	2034	2035	2	5	9	8	8	8	4	1	6	4	5	9	14	84
49310	49675	2035	2036	2	5	9	8	8	8	4	1	6	4	5	9	14	84
49675	50041	2036	2037	2	5	9	8	8	8	4	1	6	4	5	9	14	84
50041	50406	2037	2038	2	5	9	8	8	8	4	1	6	4	5	9	14	84
50406	50771	2038	2039	2	5	9	8	8	8	4	1	6	4	5	9	14	84
50771	51136	2039	2040	2	5	9	8	8	8	4	1	6	4	5	9	14	84
51136	51502	2040	2041	2	5	9	8	8	8	4	1	6	4	5	9	14	85
51502	51867	2041	2042	2	5	9	8	8	8	4	1	6	4	5	9	14	85
51867	52232	2042	2043	2	5	9	8	8	8	4	1	6	4	5	9	14	85
52232	52597	2043	2044	2	5	9	8	8	8	4	1	6	4	5	9	14	85
52597	52963	2044	2045	2	5	9	8	9	8	4	1	6	4	5	9	14	85
52963	53328	2045	2046	2	5	9	8	9	8	4	1	6	4	5	9	14	85
53328	53693	2046	2047	2	5	9	8	9	8	4	1	6	4	5	9	14	85
53693	54058	2047	2048	2	5	9	8	9	8	4	1	6	4	5	9	14	85
54058	54424	2048	2049	2	5	9	8	9	8	4	1	6	4	5	9	14	85
54424	54789	2049	2050	2	5	9	8	9	8	4	1	6	4	5	9	14	86
54789	55154	2050	2051	2	5	9	9	9	8	4	1	6	4	5	9	14	86
55154	55519	2051	2052	2	5	9	9	9	8	4	1	6	4	5	9	14	86
55519	55885	2052	2053	2	5	9	9	9	8	4	1	6	4	5	9	14	86
55885	56250	2053	2054	2	5	9	9	9	8	4	1	6	4	5	9	14	86
56250	56615	2054	2055	2	5	9	9	9	8	4	1	6	4	5	9	14	86
56615	56980	2055	2056	2	5	9	9	9	8	4	1	6	4	5	9	14	86
56980	57346	2056	2057	2	5	9	9	9	8	4	1	6	4	5	9	14	86
57346	57711	2057	2058	2	5	9	9	9	8	4	1	6	4	5	9	14	86
57711	58076	2058	2059	2	5	9	9	9	8	4	1	6	4	5	9	14	86
58076	58441	2059	2060	2	5	9	9	9	8	4	1	6	4	5	9	14	86
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3a) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	2	5	9	9	9	8	4	1	6	4	5	9	14	87
58807	59172	2061	2062	2	5	9	9	9	8	4	1	6	4	5	9	14	87
59172	59537	2062	2063	2	5	9	9	9	8	4	1	6	4	5	9	14	87
59537	59902	2063	2064	2	5	9	9	9	8	4	1	6	4	5	9	14	87
59902	60268	2064	2065	2	5	9	9	9	8	4	1	6	4	5	9	15	87
60268	60633	2065	2066	2	5	9	9	9	8	4	1	6	4	5	9	15	87
60633	60998	2066	2067	2	5	9	9	9	8	4	1	6	4	5	9	15	87
60998	61363	2067	2068	2	5	9	9	9	8	4	1	6	4	5	9	15	87
61363	61729	2068	2069	2	5	9	9	9	8	4	1	6	4	5	9	15	87
61729	62094	2069	2070	2	5	9	9	9	8	4	1	6	4	5	9	15	87
62094	62459	2070	2071	2	5	9	9	9	8	4	1	6	4	5	9	15	87
62459	62824	2071	2072	2	5	9	9	9	8	4	1	6	4	5	9	15	87
62824	63190	2072	2073	2	5	9	9	9	8	4	1	6	4	5	9	15	87
63190	63555	2073	2074	2	5	9	9	9	8	4	1	6	4	5	9	15	87
63555	63920	2074	2075	2	5	9	9	9	8	4	1	6	4	5	9	15	87
63920	64285	2075	2076	2	5	9	9	9	8	4	1	6	4	5	9	15	87
64285	64651	2076	2077	2	5	9	9	9	8	4	1	6	4	5	9	15	87
64651	65016	2077	2078	2	5	9	9	9	8	4	1	6	4	5	9	15	88
65016	65381	2078	2079	2	5	9	9	9	8	4	1	6	4	5	9	15	88
65381	65746	2079	2080	2	5	9	9	9	8	4	1	6	4	5	9	15	88
65746	66112	2080	2081	2	5	9	9	9	8	4	1	6	4	5	9	15	88
66112	66477	2081	2082	2	5	9	9	9	8	4	1	6	4	5	9	15	88
66477	66842	2082	2083	2	5	9	9	9	8	4	1	7	4	5	9	15	88
66842	67207	2083	2084	2	5	9	9	9	8	4	1	7	4	5	9	15	88
67207	67573	2084	2085	2	5	9	9	9	8	4	1	7	4	5	9	15	88
67573	67938	2085	2086	2	5	9	9	9	8	4	1	7	4	5	9	15	88
67938	68303	2086	2087	2	5	9	9	9	8	4	1	7	4	5	9	15	88
68303	68668	2087	2088	2	5	9	9	9	8	4	1	7	4	5	9	15	88
68668	69034	2088	2089	2	5	9	9	9	8	4	1	7	4	5	9	15	88
69034	69399	2089	2090	2	5	9	9	9	8	4	1	7	4	5	9	15	88
69399	69764	2090	2091	2	5	9	9	9	8	4	1	7	4	5	9	15	88
69764	70129	2091	2092	2	5	9	9	9	8	4	1	7	4	5	9	15	88
70129	70495	2092	2093	2	5	9	9	9	8	4	1	7	4	5	9	15	88
70495	70860	2093	2094	2	5	9	9	9	8	4	1	7	4	5	9	15	88
70860	71225	2094	2095	2	5	9	9	9	8	4	1	7	4	5	9	15	88
71225	71590	2095	2096	2	5	9	9	9	8	4	1	7	4	5	9	15	88
71590	71956	2096	2097	2	5	9	9	9	8	4	1	7	4	5	9	15	88
71956	72321	2097	2098	2	5	9	9	9	8	4	1	7	4	5	9	15	88
72321	72686	2098	2099	2	5	9	9	9	8	4	1	7	4	5	9	15	88
72686	73051	2099	2100	2	5	9	9	9	8	4	1	7	4	5	9	15	88
73051	73416	2100	2101	2	5	9	9	9	8	4	1	7	4	5	9	15	88
73416	73781	2101	2102	2	5	9	9	9	8	4	1	7	4	5	9	15	88
73781	74146	2102	2103	2	5	9	9	9	8	4	1	7	4	5	9	15	88
74146	74511	2103	2104	2	5	9	9	9	8	4	1	7	4	5	9	15	88
74511	74877	2104	2105	2	5	9	9	9	8	4	1	7	4	5	9	15	88
74877	75242	2105	2106	2	5	9	9	9	8	4	1	7	4	5	9	15	88
75242	75607	2106	2107	2	5	9	9	9	8	4	1	7	4	5	9	15	88
75607	75972	2107	2108	2	5	9	9	9	8	4	1	7	4	5	9	15	89
75972	76338	2108	2109	2	5	9	9	9	8	4	1	7	4	5	9	15	89
76338	76703	2109	2110	2	5	9	9	9	8	4	1	7	4	5	9	15	89
76703	77068	2110	2111	2	5	9	9	9	8	4	1	7	4	5	9	15	89
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3a) (Part 3/3)



B-4b (S3a). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 3a)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2300
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2798
35247	35431	1996.5	1997	156	114	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	155	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	155	116	234	238	244	213	115	35	168	100	158	566	494	2838
35796	35977	1998	1998.5	155	117	235	238	245	215	117	35	170	101	158	566	495	2848
35977	36161	1998.5	1999	155	117	236	238	245	216	119	36	172	102	159	566	495	2857
36161	36342	1999	1999.5	149	118	236	238	246	218	120	36	175	103	159	566	495	2859
36342	36526	1999.5	2000	145	118	237	238	246	219	121	36	177	103	159	566	496	2861
36526	36708	2000	2000.5	135	118	235	235	243	218	118	33	170	103	159	566	479	2813
36708	36892	2000.5	2001	128	115	233	233	241	217	115	31	169	103	159	566	472	2782
36892	37073	2001	2001.5	122	113	230	231	239	215	114	30	168	102	158	566	467	2755
37073	37257	2001.5	2002	118	111	228	229	237	213	112	28	168	102	158	565	463	2733
37257	37438	2002	2002.5	115	109	225	227	236	211	111	27	168	102	157	565	459	2713
37438	37622	2002.5	2003	112	108	223	226	234	210	110	27	167	102	157	565	457	2697
37622	37803	2003	2003.5	110	106	221	224	233	209	109	26	167	102	156	564	454	2682
37803	37987	2003.5	2004	108	105	220	223	232	207	109	26	167	102	156	564	452	2669
37987	38169	2004	2004.5	106	104	218	221	231	206	108	25	167	101	156	564	451	2658
38169	38353	2004.5	2005	105	103	217	220	230	205	107	25	167	101	155	564	449	2649
38353	38534	2005	2005.5	104	102	216	219	229	204	107	24	167	101	155	564	448	2640
38534	38718	2005.5	2006	103	101	214	218	228	204	107	24	167	101	155	564	446	2632
38718	38899	2006	2006.5	102	100	213	218	228	203	106	24	167	101	155	564	445	2625
38899	39083	2006.5	2007	101	99	212	217	227	202	106	24	167	101	155	563	444	2619
39083	39264	2007	2007.5	100	99	212	216	226	202	106	24	167	101	154	563	443	2613
39264	39448	2007.5	2008	100	98	211	215	226	201	105	23	167	101	154	563	443	2608
39448	39630	2008	2008.5	93	98	210	215	225	201	105	23	167	101	154	563	442	2596
39630	39814	2008.5	2009	89	97	210	214	225	200	105	23	166	101	154	563	441	2587
39814	39995	2009	2009.5	85	96	209	214	224	200	104	23	166	101	154	563	440	2580
39995	40179	2009.5	2010	83	96	208	213	224	199	104	23	166	101	154	563	439	2573

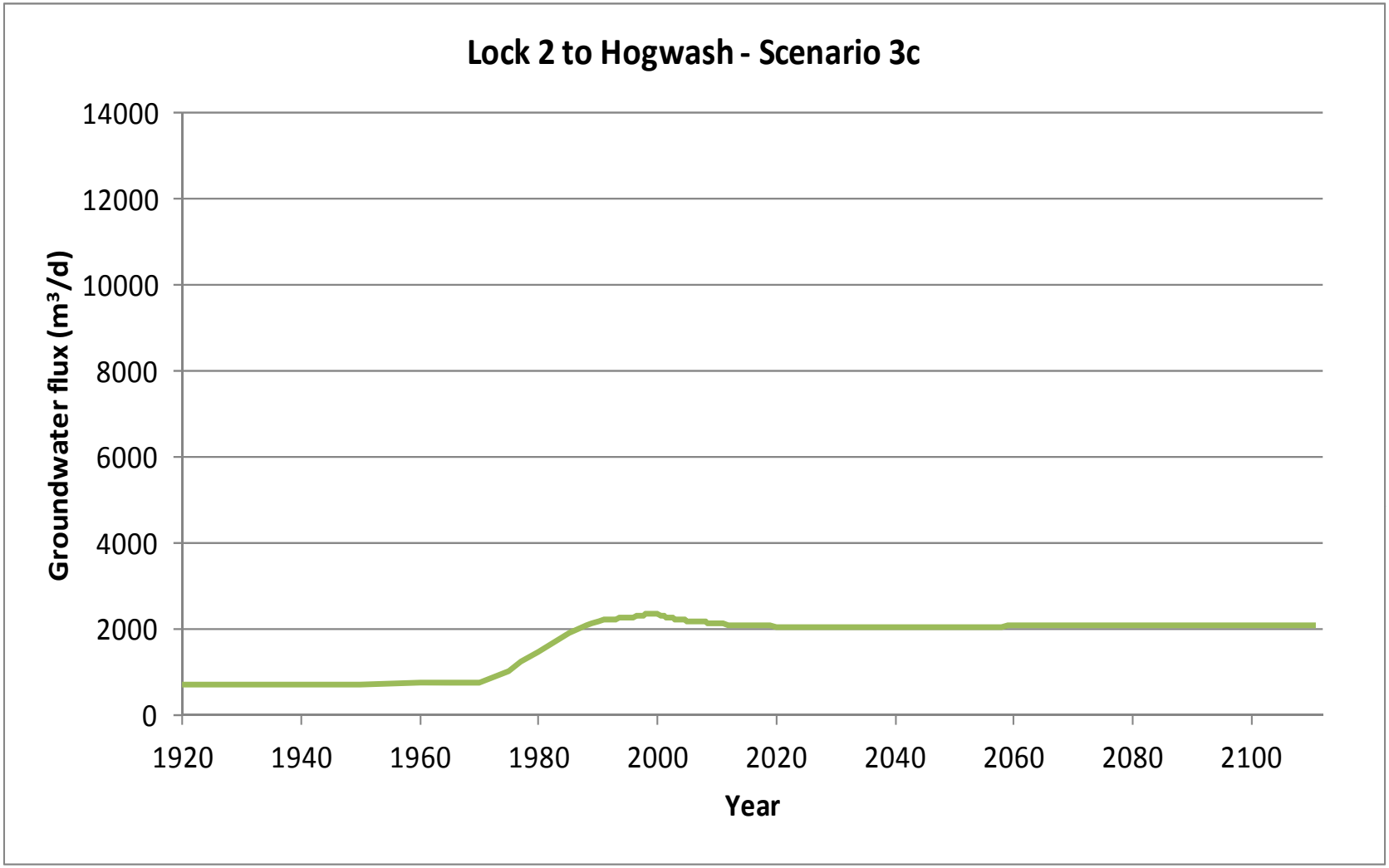
B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3c) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	81	95	208	213	224	199	104	23	166	101	154	563	438	2568
40360	40544	2010.5	2011	79	95	207	213	223	198	104	23	166	100	154	563	437	2563
40544	40909	2011	2012	77	94	206	212	223	198	103	22	166	100	154	563	436	2554
40909	41275	2012	2013	76	93	206	211	222	197	103	22	166	100	153	563	435	2546
41275	41640	2013	2014	75	92	205	211	221	196	102	22	165	100	153	563	434	2539
41640	42005	2014	2015	74	92	204	210	220	195	102	22	165	100	153	563	433	2532
42005	42370	2015	2016	73	91	204	209	219	194	101	22	164	100	153	563	432	2525
42370	42736	2016	2017	73	91	203	209	218	193	101	22	164	99	153	562	432	2518
42736	43101	2017	2018	72	91	203	208	217	192	100	22	163	99	153	562	431	2513
43101	43466	2018	2019	72	90	202	208	216	191	99	21	163	99	152	562	430	2507
43466	43831	2019	2020	72	90	202	207	216	190	99	21	162	99	152	562	430	2503
43831	44197	2020	2021	71	90	202	207	215	189	99	21	162	99	152	562	430	2498
44197	44562	2021	2022	71	90	201	207	215	189	98	21	162	98	152	562	429	2495
44562	44927	2022	2023	71	90	201	206	214	188	98	21	161	98	152	562	429	2492
44927	45292	2023	2024	71	90	201	206	214	188	97	21	161	98	152	562	429	2489
45292	45658	2024	2025	71	90	201	206	214	187	97	21	161	98	152	562	429	2487
45658	46023	2025	2026	71	89	201	206	213	187	97	21	160	98	152	562	429	2485
46023	46388	2026	2027	71	89	201	206	213	187	97	21	160	98	152	562	428	2483
46388	46753	2027	2028	71	89	201	206	213	186	97	21	160	98	152	562	428	2482
46753	47119	2028	2029	71	90	201	206	213	186	96	21	160	98	151	562	428	2481
47119	47484	2029	2030	71	90	201	206	213	186	96	21	159	97	151	562	428	2481
47484	47849	2030	2031	71	90	201	206	213	186	96	21	159	97	151	562	429	2481
47849	48214	2031	2032	71	90	201	206	213	186	96	20	159	97	151	562	429	2480
48214	48580	2032	2033	71	90	201	206	213	186	96	20	159	97	151	562	429	2480
48580	48945	2033	2034	71	90	201	206	213	186	96	20	159	97	151	562	429	2481
48945	49310	2034	2035	71	90	202	206	213	186	96	20	159	97	151	562	429	2481
49310	49675	2035	2036	71	90	202	206	213	186	96	20	159	97	151	562	429	2482
49675	50041	2036	2037	71	90	202	206	213	186	96	20	159	97	151	562	429	2482
50041	50406	2037	2038	71	90	202	206	213	186	96	20	159	97	151	562	430	2483
50406	50771	2038	2039	71	90	202	207	213	186	96	20	159	97	151	562	430	2484
50771	51136	2039	2040	71	91	203	207	213	186	96	20	159	97	151	562	430	2485
51136	51502	2040	2041	71	91	203	207	213	186	96	20	159	97	151	562	430	2486
51502	51867	2041	2042	71	91	203	207	213	186	96	20	159	97	151	562	431	2487
51867	52232	2042	2043	71	91	203	207	213	186	96	20	159	97	151	562	431	2488
52232	52597	2043	2044	71	91	204	208	214	186	96	20	159	97	151	562	431	2489
52597	52963	2044	2045	72	91	204	208	214	187	96	20	159	97	151	562	431	2491
52963	53328	2045	2046	72	91	204	208	214	187	96	20	159	97	151	562	432	2492
53328	53693	2046	2047	72	92	204	208	214	187	96	20	159	97	151	562	432	2493
53693	54058	2047	2048	72	92	204	208	214	187	96	20	159	97	151	562	432	2495
54058	54424	2048	2049	72	92	205	208	214	187	96	20	159	97	151	562	432	2496
54424	54789	2049	2050	72	92	205	209	214	187	96	20	159	97	151	562	433	2497
54789	55154	2050	2051	72	92	205	209	215	187	96	20	159	97	151	562	433	2499
55154	55519	2051	2052	72	92	205	209	215	188	96	20	159	97	151	562	433	2500
55519	55885	2052	2053	72	92	206	209	215	188	96	20	159	97	151	562	433	2501
55885	56250	2053	2054	72	93	206	209	215	188	96	20	159	97	151	562	434	2503
56250	56615	2054	2055	72	93	206	210	215	188	97	20	159	97	151	562	434	2504
56615	56980	2055	2056	73	93	206	210	215	188	97	20	159	97	151	562	434	2506
56980	57346	2056	2057	73	93	207	210	216	188	97	20	159	97	151	562	434	2507
57346	57711	2057	2058	73	93	207	210	216	188	97	20	159	97	151	562	435	2508
57711	58076	2058	2059	73	93	207	210	216	189	97	20	159	97	151	562	435	2510
58076	58441	2059	2060	73	93	207	211	216	189	97	21	159	97	151	562	435	2511

B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3c) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	73	94	208	211	216	189	97	21	159	97	151	562	435	2512
58807	59172	2061	2062	73	94	208	211	216	189	97	21	159	97	151	562	436	2514
59172	59537	2062	2063	73	94	208	211	217	189	97	21	159	97	151	562	436	2515
59537	59902	2063	2064	73	94	208	211	217	189	97	21	159	97	151	562	436	2516
59902	60268	2064	2065	73	94	208	211	217	189	97	21	159	97	151	562	436	2517
60268	60633	2065	2066	73	94	209	212	217	190	97	21	160	97	151	562	436	2519
60633	60998	2066	2067	73	94	209	212	217	190	97	21	160	97	151	562	437	2520
60998	61363	2067	2068	74	95	209	212	217	190	97	21	160	97	151	562	437	2521
61363	61729	2068	2069	74	95	209	212	217	190	97	21	160	97	151	562	437	2522
61729	62094	2069	2070	74	95	210	212	218	190	97	21	160	97	151	562	437	2523
62094	62459	2070	2071	74	95	210	212	218	190	97	21	160	97	151	562	438	2525
62459	62824	2071	2072	74	95	210	213	218	190	98	21	160	97	151	562	438	2526
62824	63190	2072	2073	74	95	210	213	218	190	98	21	160	97	151	562	438	2527
63190	63555	2073	2074	74	95	210	213	218	191	98	21	160	97	152	562	438	2528
63555	63920	2074	2075	74	95	210	213	218	191	98	21	160	98	152	562	438	2529
63920	64285	2075	2076	74	95	211	213	218	191	98	21	160	98	152	562	439	2530
64285	64651	2076	2077	74	96	211	213	218	191	98	21	160	98	152	562	439	2531
64651	65016	2077	2078	74	96	211	213	219	191	98	21	160	98	152	562	439	2532
65016	65381	2078	2079	74	96	211	214	219	191	98	21	160	98	152	562	439	2533
65381	65746	2079	2080	74	96	211	214	219	191	98	21	160	98	152	562	439	2534
65746	66112	2080	2081	74	96	211	214	219	191	98	21	160	98	152	562	439	2535
66112	66477	2081	2082	74	96	212	214	219	191	98	21	160	98	152	562	440	2536
66477	66842	2082	2083	75	96	212	214	219	192	98	21	160	98	152	562	440	2537
66842	67207	2083	2084	75	96	212	214	219	192	98	21	160	98	152	562	440	2538
67207	67573	2084	2085	75	96	212	214	219	192	98	21	160	98	152	562	440	2538
67573	67938	2085	2086	75	96	212	214	219	192	98	21	160	98	152	562	440	2539
67938	68303	2086	2087	75	96	212	215	219	192	98	21	160	98	152	562	440	2540
68303	68668	2087	2088	75	97	212	215	220	192	98	21	160	98	152	562	440	2541
68668	69034	2088	2089	75	97	213	215	220	192	98	21	160	98	152	562	441	2542
69034	69399	2089	2090	75	97	213	215	220	192	98	21	160	98	152	562	441	2543
69399	69764	2090	2091	75	97	213	215	220	192	98	21	160	98	152	562	441	2543
69764	70129	2091	2092	75	97	213	215	220	192	98	21	160	98	152	562	441	2544
70129	70495	2092	2093	75	97	213	215	220	192	98	21	160	98	152	562	441	2545
70495	70860	2093	2094	75	97	213	215	220	193	98	21	161	98	152	562	441	2545
70860	71225	2094	2095	75	97	213	215	220	193	98	21	161	98	152	562	441	2546
71225	71590	2095	2096	75	97	213	215	220	193	99	21	161	98	152	562	441	2547
71590	71956	2096	2097	75	97	213	215	220	193	99	21	161	98	152	562	442	2547
71956	72321	2097	2098	75	97	214	216	220	193	99	21	161	98	152	562	442	2548
72321	72686	2098	2099	75	97	214	216	220	193	99	21	161	98	152	562	442	2549
72686	73051	2099	2100	75	97	214	216	220	193	99	21	161	98	152	562	442	2549
73051	73416	2100	2101	75	97	214	216	221	193	99	21	161	98	152	562	442	2550
73416	73781	2101	2102	75	98	214	216	221	193	99	21	161	98	152	562	442	2551
73781	74146	2102	2103	75	98	214	216	221	193	99	21	161	98	152	562	442	2551
74146	74511	2103	2104	76	98	214	216	221	193	99	21	161	98	152	562	442	2552
74511	74877	2104	2105	76	98	214	216	221	193	99	21	161	98	152	562	442	2552
74877	75242	2105	2106	76	98	214	216	221	193	99	21	161	98	152	562	443	2553
75242	75607	2106	2107	76	98	214	216	221	193	99	21	161	98	152	562	443	2553
75607	75972	2107	2108	76	98	215	216	221	193	99	21	161	98	152	562	443	2554
75972	76338	2108	2109	76	98	215	216	221	193	99	21	161	98	152	562	443	2554
76338	76703	2109	2110	76	98	215	216	221	194	99	21	161	98	152	562	443	2555
76703	77068	2110	2111	76	98	215	217	221	194	99	21	161	98	152	562	443	2555

B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3c) (Part 3/3)



B-4a (S3c). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 3c)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	3	6	6	6	6	3	1	5	3	4	9	11	64
37073	37257	2001.5	2002	1	3	6	6	6	6	2	1	5	3	4	9	11	64
37257	37438	2002	2002.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37438	37622	2002.5	2003	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37622	37803	2003	2003.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37803	37987	2003.5	2004	1	3	6	6	6	6	2	1	5	3	4	9	11	62
37987	38169	2004	2004.5	1	3	6	6	6	5	2	1	5	3	4	9	11	62
38169	38353	2004.5	2005	1	3	6	6	6	5	2	1	5	3	4	9	11	62
38353	38534	2005	2005.5	1	3	6	6	6	5	2	1	5	3	4	9	11	62
38534	38718	2005.5	2006	1	3	6	6	6	5	2	1	5	3	4	9	11	61
38718	38899	2006	2006.5	1	3	6	6	6	5	2	1	5	3	4	9	11	61
38899	39083	2006.5	2007	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39083	39264	2007	2007.5	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39264	39448	2007.5	2008	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39448	39630	2008	2008.5	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39630	39814	2008.5	2009	1	3	6	6	6	5	2	1	5	3	4	9	11	60
39814	39995	2009	2009.5	1	3	6	6	6	5	2	1	5	3	4	9	11	60
39995	40179	2009.5	2010	1	3	6	6	6	5	2	1	5	3	4	9	11	60
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

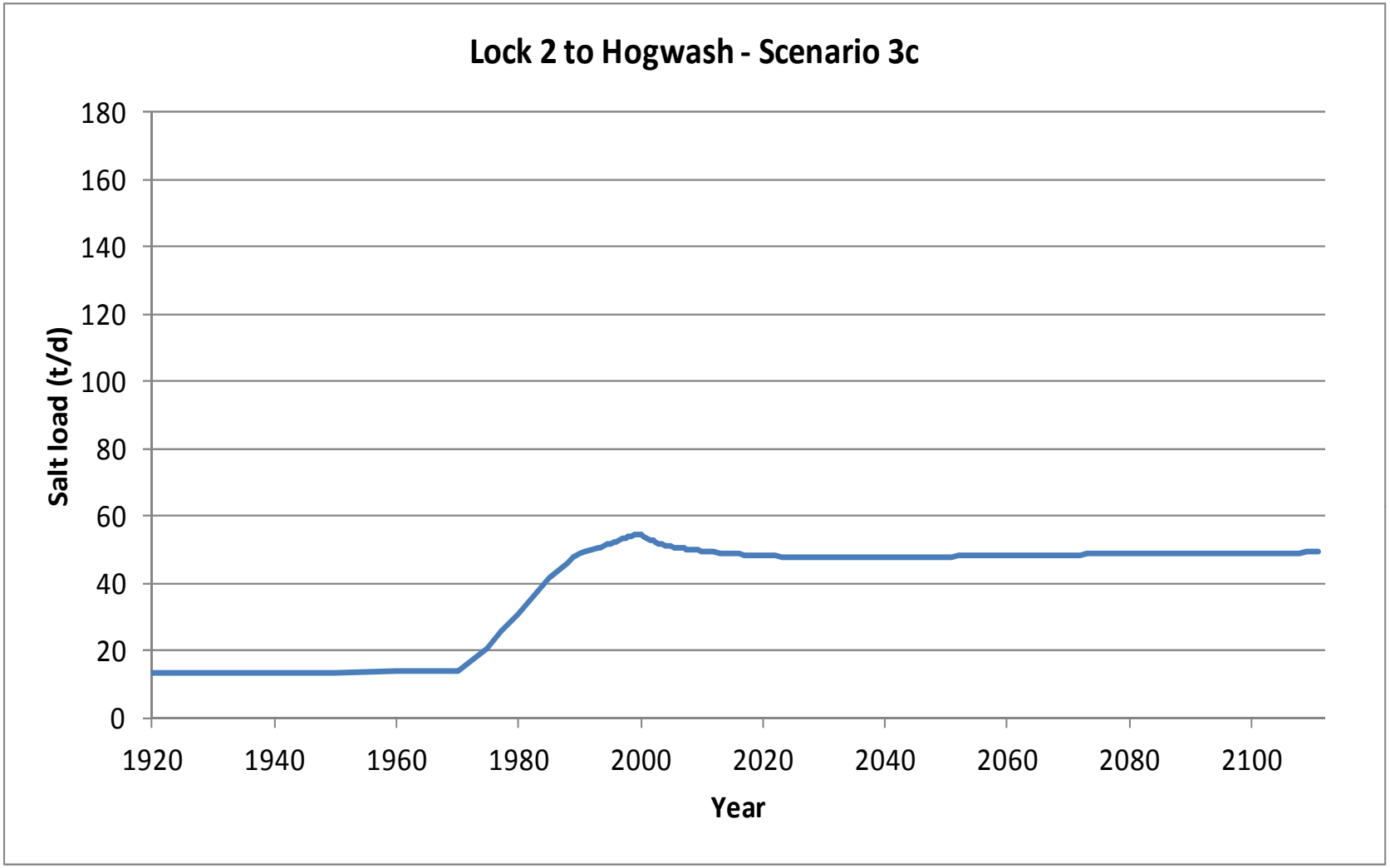
B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3c) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	1	3	6	6	6	5	2	1	5	3	4	9	11	60
40360	40544	2010.5	2011	1	3	6	6	6	5	2	0	5	3	4	9	10	60
40544	40909	2011	2012	1	3	6	6	6	5	2	0	5	3	4	9	10	60
40909	41275	2012	2013	1	2	5	6	6	5	2	0	5	3	4	9	10	60
41275	41640	2013	2014	1	2	5	6	6	5	2	0	5	3	4	9	10	59
41640	42005	2014	2015	1	2	5	6	6	5	2	0	5	3	4	9	10	59
42005	42370	2015	2016	1	2	5	6	6	5	2	0	5	3	4	9	10	59
42370	42736	2016	2017	1	2	5	6	6	5	2	0	5	3	4	9	10	59
42736	43101	2017	2018	1	2	5	6	6	5	2	0	5	3	4	9	10	59
43101	43466	2018	2019	1	2	5	6	6	5	2	0	5	3	4	9	10	59
43466	43831	2019	2020	1	2	5	6	6	5	2	0	5	3	4	9	10	59
43831	44197	2020	2021	1	2	5	6	6	5	2	0	5	3	4	9	10	58
44197	44562	2021	2022	1	2	5	6	6	5	2	0	5	3	4	9	10	58
44562	44927	2022	2023	1	2	5	5	6	5	2	0	5	3	4	9	10	58
44927	45292	2023	2024	1	2	5	5	6	5	2	0	5	3	4	9	10	58
45292	45658	2024	2025	1	2	5	5	6	5	2	0	5	3	4	9	10	58
45658	46023	2025	2026	1	2	5	5	6	5	2	0	5	3	4	9	10	58
46023	46388	2026	2027	1	2	5	5	6	5	2	0	5	3	4	9	10	58
46388	46753	2027	2028	1	2	5	5	6	5	2	0	5	3	4	9	10	58
46753	47119	2028	2029	1	2	5	5	6	5	2	0	5	3	4	9	10	58
47119	47484	2029	2030	1	2	5	5	6	5	2	0	5	3	4	9	10	58
47484	47849	2030	2031	1	2	5	5	6	5	2	0	5	3	4	9	10	58
47849	48214	2031	2032	1	2	5	5	6	5	2	0	5	3	4	9	10	58
48214	48580	2032	2033	1	2	5	5	6	5	2	0	5	3	4	9	10	58
48580	48945	2033	2034	1	2	5	5	6	5	2	0	5	3	4	9	10	58
48945	49310	2034	2035	1	2	5	5	6	5	2	0	5	3	4	9	10	58
49310	49675	2035	2036	1	2	5	5	6	5	2	0	5	3	4	9	10	58
49675	50041	2036	2037	1	2	5	5	6	5	2	0	5	3	4	9	10	58
50041	50406	2037	2038	1	2	5	6	6	5	2	0	5	3	4	9	10	58
50406	50771	2038	2039	1	2	5	6	6	5	2	0	5	3	4	9	10	58
50771	51136	2039	2040	1	2	5	6	6	5	2	0	5	3	4	9	10	58
51136	51502	2040	2041	1	2	5	6	6	5	2	0	5	3	4	9	10	58
51502	51867	2041	2042	1	2	5	6	6	5	2	0	5	3	4	9	10	58
51867	52232	2042	2043	1	2	5	6	6	5	2	0	5	3	4	9	10	58
52232	52597	2043	2044	1	2	5	6	6	5	2	0	5	3	4	9	10	58
52597	52963	2044	2045	1	2	5	6	6	5	2	0	5	3	4	9	10	58
52963	53328	2045	2046	1	2	5	6	6	5	2	0	5	3	4	9	10	58
53328	53693	2046	2047	1	2	5	6	6	5	2	0	5	3	4	9	10	58
53693	54058	2047	2048	1	2	5	6	6	5	2	0	5	3	4	9	10	58
54058	54424	2048	2049	1	2	5	6	6	5	2	0	5	3	4	9	10	58
54424	54789	2049	2050	1	2	5	6	6	5	2	0	5	3	4	9	10	58
54789	55154	2050	2051	1	2	5	6	6	5	2	0	5	3	4	9	10	58
55154	55519	2051	2052	1	2	5	6	6	5	2	0	5	3	4	9	10	59
55519	55885	2052	2053	1	2	5	6	6	5	2	0	5	3	4	9	10	59
55885	56250	2053	2054	1	2	5	6	6	5	2	0	5	3	4	9	10	59
56250	56615	2054	2055	1	2	5	6	6	5	2	0	5	3	4	9	10	59
56615	56980	2055	2056	1	2	6	6	6	5	2	0	5	3	4	9	10	59
56980	57346	2056	2057	1	2	6	6	6	5	2	0	5	3	4	9	10	59
57346	57711	2057	2058	1	2	6	6	6	5	2	0	5	3	4	9	10	59
57711	58076	2058	2059	1	2	6	6	6	5	2	0	5	3	4	9	10	59
58076	58441	2059	2060	1	2	6	6	6	5	2	0	5	3	4	9	10	59
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3c) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	1	2	6	6	6	5	2	0	5	3	4	9	10	59
58807	59172	2061	2062	1	2	6	6	6	5	2	0	5	3	4	9	10	59
59172	59537	2062	2063	1	3	6	6	6	5	2	0	5	3	4	9	10	59
59537	59902	2063	2064	1	3	6	6	6	5	2	0	5	3	4	9	10	59
59902	60268	2064	2065	1	3	6	6	6	5	2	0	5	3	4	9	10	59
60268	60633	2065	2066	1	3	6	6	6	5	2	0	5	3	4	9	10	59
60633	60998	2066	2067	1	3	6	6	6	5	2	0	5	3	4	9	10	59
60998	61363	2067	2068	1	3	6	6	6	5	2	0	5	3	4	9	10	59
61363	61729	2068	2069	1	3	6	6	6	5	2	0	5	3	4	9	10	59
61729	62094	2069	2070	1	3	6	6	6	5	2	0	5	3	4	9	10	59
62094	62459	2070	2071	1	3	6	6	6	5	2	0	5	3	4	9	11	59
62459	62824	2071	2072	1	3	6	6	6	5	2	0	5	3	4	9	11	59
62824	63190	2072	2073	1	3	6	6	6	5	2	0	5	3	4	9	11	59
63190	63555	2073	2074	1	3	6	6	6	5	2	0	5	3	4	9	11	59
63555	63920	2074	2075	1	3	6	6	6	5	2	0	5	3	4	9	11	59
63920	64285	2075	2076	1	3	6	6	6	5	2	0	5	3	4	9	11	59
64285	64651	2076	2077	1	3	6	6	6	5	2	0	5	3	4	9	11	59
64651	65016	2077	2078	1	3	6	6	6	5	2	0	5	3	4	9	11	59
65016	65381	2078	2079	1	3	6	6	6	5	2	0	5	3	4	9	11	59
65381	65746	2079	2080	1	3	6	6	6	5	2	0	5	3	4	9	11	59
65746	66112	2080	2081	1	3	6	6	6	5	2	0	5	3	4	9	11	59
66112	66477	2081	2082	1	3	6	6	6	5	2	0	5	3	4	9	11	59
66477	66842	2082	2083	1	3	6	6	6	5	2	0	5	3	4	9	11	59
66842	67207	2083	2084	1	3	6	6	6	5	2	0	5	3	4	9	11	59
67207	67573	2084	2085	1	3	6	6	6	5	2	0	5	3	4	9	11	59
67573	67938	2085	2086	1	3	6	6	6	5	2	0	5	3	4	9	11	59
67938	68303	2086	2087	1	3	6	6	6	5	2	0	5	3	4	9	11	60
68303	68668	2087	2088	1	3	6	6	6	5	2	0	5	3	4	9	11	60
68668	69034	2088	2089	1	3	6	6	6	5	2	0	5	3	4	9	11	60
69034	69399	2089	2090	1	3	6	6	6	5	2	0	5	3	4	9	11	60
69399	69764	2090	2091	1	3	6	6	6	5	2	0	5	3	4	9	11	60
69764	70129	2091	2092	1	3	6	6	6	5	2	0	5	3	4	9	11	60
70129	70495	2092	2093	1	3	6	6	6	5	2	0	5	3	4	9	11	60
70495	70860	2093	2094	1	3	6	6	6	5	2	0	5	3	4	9	11	60
70860	71225	2094	2095	1	3	6	6	6	5	2	0	5	3	4	9	11	60
71225	71590	2095	2096	1	3	6	6	6	5	2	0	5	3	4	9	11	60
71590	71956	2096	2097	1	3	6	6	6	5	2	0	5	3	4	9	11	60
71956	72321	2097	2098	1	3	6	6	6	5	2	0	5	3	4	9	11	60
72321	72686	2098	2099	1	3	6	6	6	5	2	0	5	3	4	9	11	60
72686	73051	2099	2100	1	3	6	6	6	5	2	0	5	3	4	9	11	60
73051	73416	2100	2101	1	3	6	6	6	5	2	0	5	3	4	9	11	60
73416	73781	2101	2102	1	3	6	6	6	5	2	0	5	3	4	9	11	60
73781	74146	2102	2103	1	3	6	6	6	5	2	0	5	3	4	9	11	60
74146	74511	2103	2104	1	3	6	6	6	5	2	0	5	3	4	9	11	60
74511	74877	2104	2105	1	3	6	6	6	5	2	0	5	3	4	9	11	60
74877	75242	2105	2106	1	3	6	6	6	5	2	0	5	3	4	9	11	60
75242	75607	2106	2107	1	3	6	6	6	5	2	0	5	3	4	9	11	60
75607	75972	2107	2108	1	3	6	6	6	5	2	0	5	3	4	9	11	60
75972	76338	2108	2109	1	3	6	6	6	5	2	0	5	3	4	9	11	60
76338	76703	2109	2110	1	3	6	6	6	5	2	0	5	3	4	9	11	60
76703	77068	2110	2111	1	3	6	6	6	5	2	0	5	3	4	9	11	60
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 3c) (Part 3/3)



B-4b (S3c). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 3c)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2301
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2799
35247	35431	1996.5	1997	156	115	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	156	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	156	116	234	238	244	213	115	35	168	100	158	566	494	2838
35796	35977	1998	1998.5	156	117	235	238	245	215	117	35	170	101	158	566	495	2849
35977	36161	1998.5	1999	156	118	236	238	245	216	119	36	172	102	159	566	495	2859
36161	36342	1999	1999.5	150	118	236	238	246	218	120	36	175	103	159	566	496	2861
36342	36526	1999.5	2000	146	119	237	238	246	219	121	36	177	103	159	566	496	2864
36526	36708	2000	2000.5	137	118	235	235	243	218	118	33	170	103	159	566	480	2816
36708	36892	2000.5	2001	130	116	233	233	241	217	115	31	169	103	159	566	472	2785
36892	37073	2001	2001.5	125	114	230	231	239	215	114	30	168	102	158	566	467	2760
37073	37257	2001.5	2002	121	112	228	229	237	213	112	28	168	102	158	565	463	2738
37257	37438	2002	2002.5	118	110	226	228	236	212	111	27	168	102	157	565	460	2719
37438	37622	2002.5	2003	115	109	224	226	235	210	110	27	167	102	157	565	458	2704
37622	37803	2003	2003.5	113	107	222	225	234	209	109	26	167	102	156	564	455	2691
37803	37987	2003.5	2004	112	106	221	224	233	208	109	26	167	102	156	564	454	2681
37987	38169	2004	2004.5	111	106	221	223	232	207	108	25	167	101	156	564	453	2674
38169	38353	2004.5	2005	110	106	221	222	232	207	108	25	167	101	155	564	453	2671
38353	38534	2005	2005.5	110	107	221	222	231	206	109	26	173	104	155	564	455	2685
38534	38718	2005.5	2006	112	109	223	222	232	207	110	28	175	105	156	564	457	2700
38718	38899	2006	2006.5	113	111	225	223	232	208	112	29	177	106	156	565	459	2716
38899	39083	2006.5	2007	114	113	226	223	233	210	113	30	178	107	157	565	461	2732
39083	39264	2007	2007.5	115	115	229	225	234	213	116	32	180	109	158	566	463	2752
39264	39448	2007.5	2008	117	117	232	226	235	216	119	33	182	110	159	566	464	2777
39448	39630	2008	2008.5	112	120	236	228	236	220	121	34	183	112	159	566	466	2795
39630	39814	2008.5	2009	110	122	239	230	237	223	123	35	185	113	160	567	467	2813
39814	39995	2009	2009.5	109	125	242	232	239	225	125	36	186	114	161	567	469	2830
39995	40179	2009.5	2010	109	127	245	233	240	228	127	37	187	115	162	567	470	2847

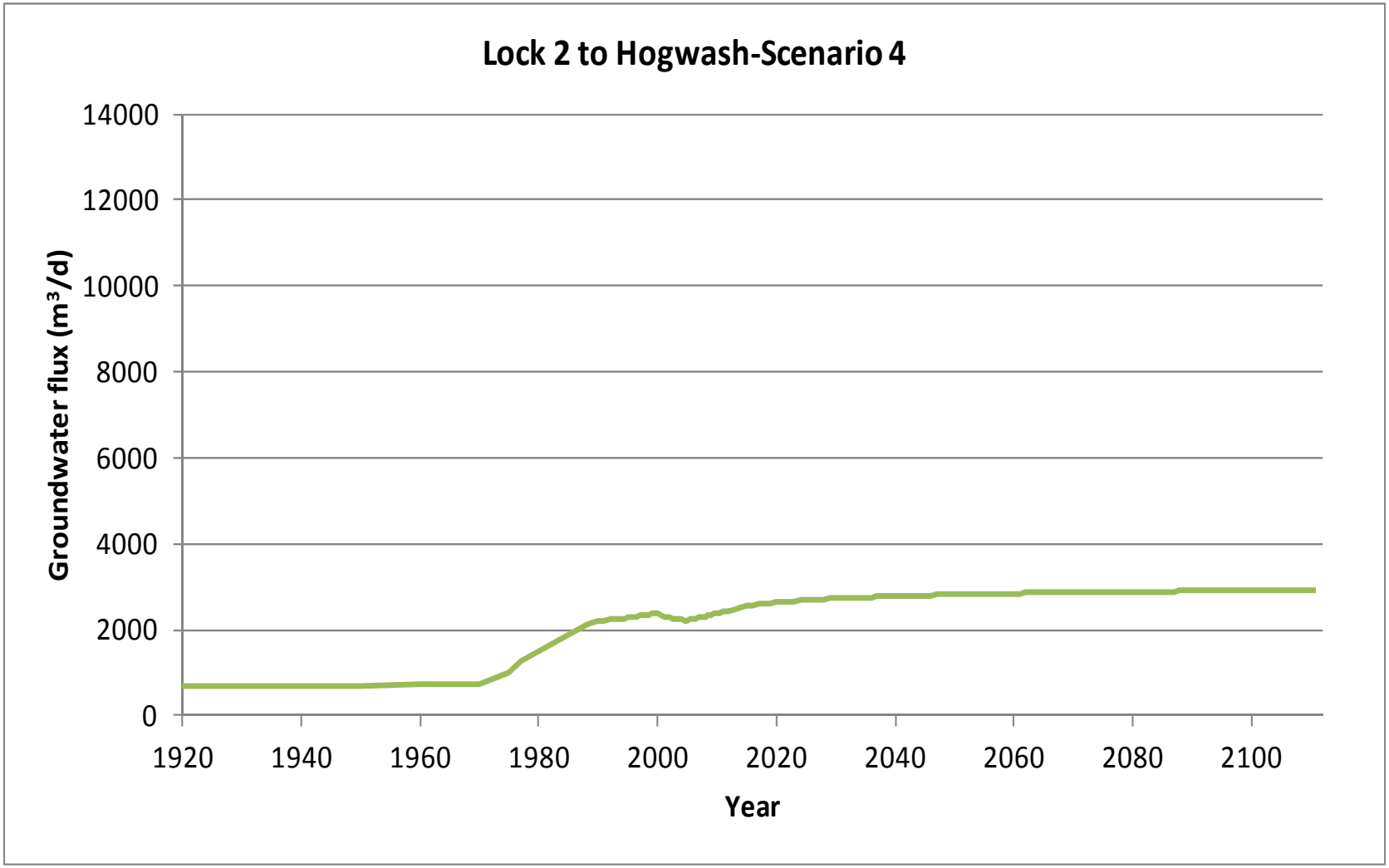
B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 4) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	109	129	247	235	241	230	129	39	188	116	162	568	472	2864
40360	40544	2010.5	2011	110	131	249	236	242	232	130	40	189	117	163	568	473	2880
40544	40909	2011	2012	111	134	253	239	244	235	133	42	191	119	164	568	475	2909
40909	41275	2012	2013	112	136	256	241	245	238	136	44	193	121	166	569	477	2936
41275	41640	2013	2014	114	139	259	242	246	240	139	53	204	136	171	569	479	2992
41640	42005	2014	2015	115	141	262	244	247	242	141	57	209	142	176	570	481	3027
42005	42370	2015	2016	116	142	264	245	248	244	144	59	213	146	179	571	482	3053
42370	42736	2016	2017	117	144	266	246	249	246	145	61	216	148	181	571	484	3075
42736	43101	2017	2018	118	145	268	247	250	247	147	63	218	150	183	572	485	3093
43101	43466	2018	2019	119	146	269	249	251	248	148	64	219	152	184	572	486	3109
43466	43831	2019	2020	120	148	271	250	251	250	149	65	221	154	185	573	488	3123
43831	44197	2020	2021	120	149	272	251	252	251	150	66	222	155	186	573	489	3136
44197	44562	2021	2022	121	150	274	252	253	252	151	67	223	156	187	574	490	3148
44562	44927	2022	2023	122	150	275	252	254	253	152	68	224	157	188	574	491	3160
44927	45292	2023	2024	122	151	276	253	255	254	153	68	225	157	189	574	492	3170
45292	45658	2024	2025	123	152	277	254	255	255	154	69	225	158	189	574	493	3180
45658	46023	2025	2026	124	153	279	255	256	256	154	70	226	159	190	575	494	3189
46023	46388	2026	2027	124	154	280	256	257	257	155	70	227	159	191	575	495	3198
46388	46753	2027	2028	124	154	281	257	258	257	156	71	227	160	191	575	496	3207
46753	47119	2028	2029	125	155	282	258	258	258	156	71	228	160	192	575	497	3215
47119	47484	2029	2030	125	156	283	259	259	259	157	71	228	161	192	575	498	3223
47484	47849	2030	2031	126	156	284	259	260	260	157	72	228	161	192	575	499	3230
47849	48214	2031	2032	126	157	285	260	260	260	158	72	229	162	193	575	500	3237
48214	48580	2032	2033	127	157	286	261	261	261	158	72	229	162	193	576	501	3244
48580	48945	2033	2034	127	158	286	262	262	262	158	73	230	162	194	576	502	3251
48945	49310	2034	2035	127	159	287	262	262	263	159	73	230	163	194	576	503	3257
49310	49675	2035	2036	128	159	288	263	263	263	159	73	230	163	194	576	504	3263
49675	50041	2036	2037	128	160	289	264	264	264	160	73	231	163	194	576	505	3269
50041	50406	2037	2038	128	160	290	264	264	264	160	74	231	163	195	576	505	3275
50406	50771	2038	2039	129	161	291	265	265	265	160	74	231	164	195	576	506	3281
50771	51136	2039	2040	129	161	291	266	265	266	161	74	231	164	195	576	507	3286
51136	51502	2040	2041	129	162	292	266	266	266	161	74	232	164	195	576	508	3291
51502	51867	2041	2042	130	162	293	267	266	267	161	74	232	164	196	576	508	3297
51867	52232	2042	2043	130	162	294	267	267	267	161	74	232	165	196	577	509	3301
52232	52597	2043	2044	130	163	294	268	267	268	162	75	232	165	196	577	510	3306
52597	52963	2044	2045	130	163	295	268	268	268	162	75	233	165	196	577	511	3311
52963	53328	2045	2046	131	164	296	269	268	269	162	75	233	165	196	577	511	3315
53328	53693	2046	2047	131	164	296	270	269	269	162	75	233	165	197	577	512	3320
53693	54058	2047	2048	131	164	297	270	269	270	163	75	233	165	197	577	513	3324
54058	54424	2048	2049	131	165	297	271	270	270	163	75	233	166	197	577	513	3328
54424	54789	2049	2050	132	165	298	271	270	270	163	75	234	166	197	577	514	3332
54789	55154	2050	2051	132	166	299	271	271	271	163	75	234	166	197	577	514	3336
55154	55519	2051	2052	132	166	299	272	271	271	164	76	234	166	197	577	515	3340
55519	55885	2052	2053	132	166	300	272	271	272	164	76	234	166	198	577	516	3343
55885	56250	2053	2054	132	167	300	273	272	272	164	76	234	166	198	577	516	3347
56250	56615	2054	2055	133	167	301	273	272	272	164	76	235	166	198	577	517	3351
56615	56980	2055	2056	133	167	301	274	272	273	164	76	235	167	198	577	517	3354
56980	57346	2056	2057	133	167	302	274	273	273	164	76	235	167	198	577	518	3357
57346	57711	2057	2058	133	168	302	274	273	273	165	76	235	167	198	578	518	3360
57711	58076	2058	2059	133	168	303	275	273	274	165	76	235	167	198	578	519	3363
58076	58441	2059	2060	134	168	303	275	274	274	165	76	235	167	198	578	519	3367

B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 4) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	134	169	303	276	274	274	165	76	235	167	199	578	520	3369
58807	59172	2061	2062	134	169	304	276	274	275	165	76	235	167	199	578	520	3372
59172	59537	2062	2063	134	169	304	276	275	275	165	76	236	167	199	578	520	3375
59537	59902	2063	2064	134	169	305	277	275	275	166	76	236	167	199	578	521	3378
59902	60268	2064	2065	134	170	305	277	275	276	166	76	236	167	199	578	521	3380
60268	60633	2065	2066	135	170	306	277	276	276	166	76	236	168	199	578	522	3383
60633	60998	2066	2067	135	170	306	277	276	276	166	77	236	168	199	578	522	3385
60998	61363	2067	2068	135	170	306	278	276	276	166	77	236	168	199	578	522	3388
61363	61729	2068	2069	135	171	307	278	276	277	166	77	236	168	199	578	523	3390
61729	62094	2069	2070	135	171	307	278	277	277	166	77	236	168	199	578	523	3392
62094	62459	2070	2071	135	171	307	279	277	277	166	77	236	168	200	578	524	3395
62459	62824	2071	2072	135	171	308	279	277	277	167	77	237	168	200	578	524	3397
62824	63190	2072	2073	136	171	308	279	277	278	167	77	237	168	200	578	524	3399
63190	63555	2073	2074	136	172	308	279	278	278	167	77	237	168	200	578	525	3401
63555	63920	2074	2075	136	172	309	280	278	278	167	77	237	168	200	578	525	3403
63920	64285	2075	2076	136	172	309	280	278	278	167	77	237	168	200	578	525	3405
64285	64651	2076	2077	136	172	309	280	278	278	167	77	237	168	200	578	525	3407
64651	65016	2077	2078	136	172	309	280	278	279	167	77	237	168	200	578	526	3409
65016	65381	2078	2079	136	172	310	281	279	279	167	77	237	168	200	578	526	3410
65381	65746	2079	2080	136	173	310	281	279	279	167	77	237	168	200	578	526	3412
65746	66112	2080	2081	136	173	310	281	279	279	167	77	237	169	200	578	527	3414
66112	66477	2081	2082	137	173	310	281	279	279	168	77	237	169	200	578	527	3416
66477	66842	2082	2083	137	173	311	281	279	279	168	77	237	169	200	578	527	3417
66842	67207	2083	2084	137	173	311	282	279	280	168	77	237	169	200	578	527	3419
67207	67573	2084	2085	137	173	311	282	280	280	168	77	238	169	200	578	528	3420
67573	67938	2085	2086	137	173	311	282	280	280	168	77	238	169	201	578	528	3422
67938	68303	2086	2087	137	174	312	282	280	280	168	77	238	169	201	579	528	3423
68303	68668	2087	2088	137	174	312	282	280	280	168	77	238	169	201	579	528	3425
68668	69034	2088	2089	137	174	312	282	280	280	168	77	238	169	201	579	529	3426
69034	69399	2089	2090	137	174	312	283	280	281	168	77	238	169	201	579	529	3427
69399	69764	2090	2091	137	174	312	283	281	281	168	77	238	169	201	579	529	3429
69764	70129	2091	2092	137	174	313	283	281	281	168	77	238	169	201	579	529	3430
70129	70495	2092	2093	137	174	313	283	281	281	168	77	238	169	201	579	529	3431
70495	70860	2093	2094	138	174	313	283	281	281	168	77	238	169	201	579	530	3432
70860	71225	2094	2095	138	175	313	283	281	281	169	77	238	169	201	579	530	3433
71225	71590	2095	2096	138	175	313	284	281	281	169	77	238	169	201	579	530	3435
71590	71956	2096	2097	138	175	314	284	281	281	169	77	238	169	201	579	530	3436
71956	72321	2097	2098	138	175	314	284	281	282	169	78	238	169	201	579	530	3437
72321	72686	2098	2099	138	175	314	284	282	282	169	78	238	169	201	579	530	3438
72686	73051	2099	2100	138	175	314	284	282	282	169	78	238	169	201	579	531	3439
73051	73416	2100	2101	138	175	314	284	282	282	169	78	238	169	201	579	531	3440
73416	73781	2101	2102	138	175	314	284	282	282	169	78	238	169	201	579	531	3441
73781	74146	2102	2103	138	175	314	284	282	282	169	78	238	169	201	579	531	3442
74146	74511	2103	2104	138	175	315	285	282	282	169	78	238	169	201	579	531	3443
74511	74877	2104	2105	138	176	315	285	282	282	169	78	239	169	201	579	531	3444
74877	75242	2105	2106	138	176	315	285	282	282	169	78	239	169	201	579	531	3444
75242	75607	2106	2107	138	176	315	285	282	282	169	78	239	170	201	579	532	3445
75607	75972	2107	2108	138	176	315	285	282	283	169	78	239	170	201	579	532	3446
75972	76338	2108	2109	138	176	315	285	282	283	169	78	239	170	202	579	532	3447
76338	76703	2109	2110	138	176	315	285	283	283	169	78	239	170	202	579	532	3448
76703	77068	2110	2111	138	176	315	285	283	283	169	78	239	170	202	579	532	3449

B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 4) (Part 3/3)



B-4a (S4). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	3	6	6	6	6	3	1	5	3	4	9	11	64
37073	37257	2001.5	2002	1	3	6	6	6	6	2	1	5	3	4	9	11	64
37257	37438	2002	2002.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37438	37622	2002.5	2003	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37622	37803	2003	2003.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37803	37987	2003.5	2004	1	3	6	6	6	6	2	1	5	3	4	9	11	62
37987	38169	2004	2004.5	1	3	6	6	6	6	2	1	5	3	4	9	11	62
38169	38353	2004.5	2005	1	3	6	6	6	6	2	1	5	3	4	9	11	62
38353	38534	2005	2005.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
38534	38718	2005.5	2006	1	3	6	6	6	6	2	1	5	3	4	9	11	63
38718	38899	2006	2006.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
38899	39083	2006.5	2007	1	3	6	6	6	6	2	1	5	3	4	9	11	64
39083	39264	2007	2007.5	1	3	6	6	6	6	3	1	5	4	4	9	11	64
39264	39448	2007.5	2008	1	3	6	6	6	6	3	1	5	4	4	9	11	65
39448	39630	2008	2008.5	1	3	6	6	6	6	3	1	5	4	4	9	11	65
39630	39814	2008.5	2009	1	3	6	6	6	6	3	1	5	4	4	9	11	66
39814	39995	2009	2009.5	1	3	6	6	6	6	3	1	5	4	5	9	11	66
39995	40179	2009.5	2010	1	3	7	6	6	6	3	1	5	4	5	9	11	67
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

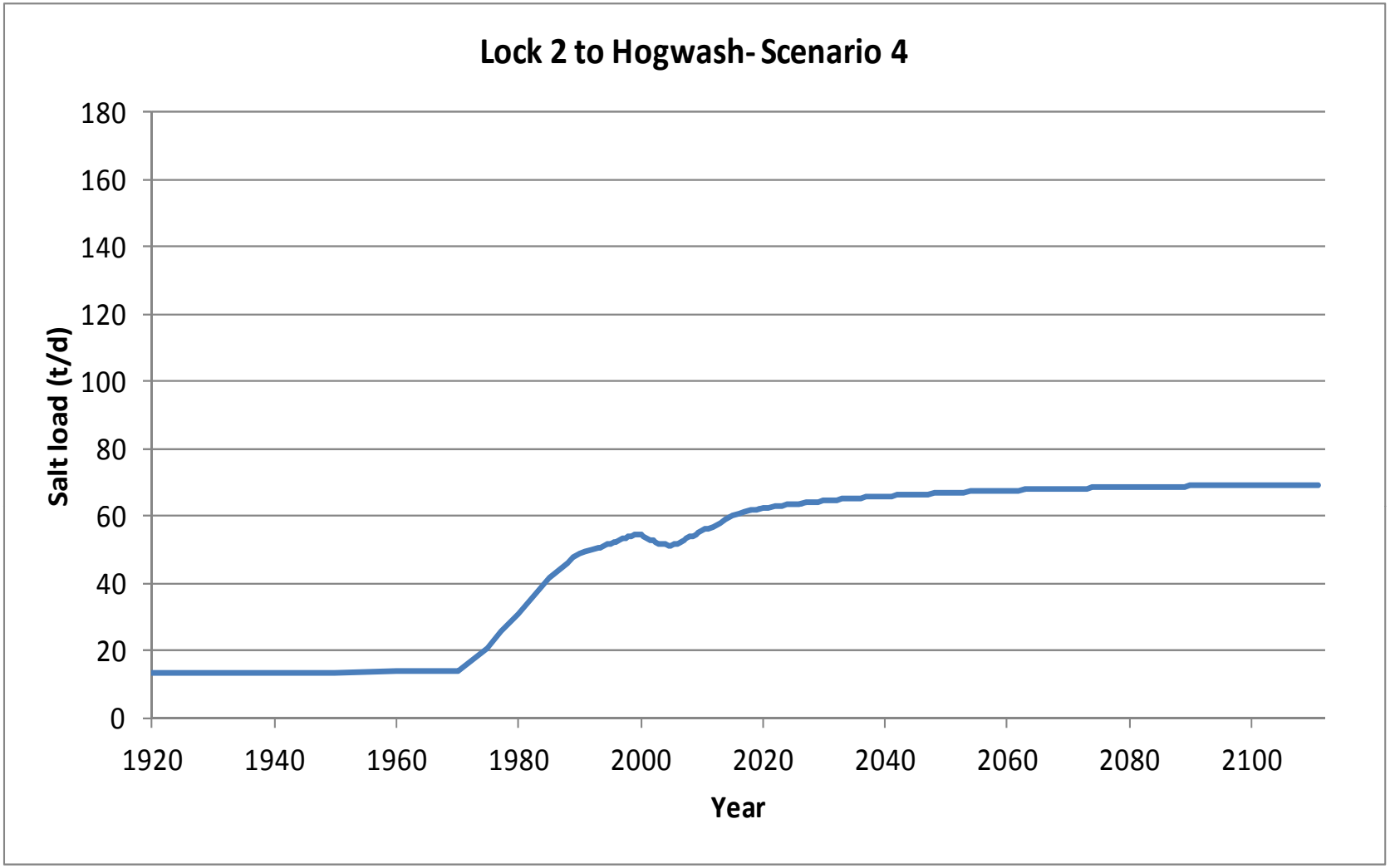
B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 4) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	1	3	7	6	6	6	3	1	5	4	5	9	11	67
40360	40544	2010.5	2011	1	3	7	6	6	6	3	1	6	4	5	9	11	68
40544	40909	2011	2012	1	4	7	6	6	6	3	1	6	4	5	9	11	68
40909	41275	2012	2013	1	4	7	6	7	6	3	1	6	4	5	9	11	69
41275	41640	2013	2014	1	4	7	6	7	6	3	1	6	4	5	9	12	71
41640	42005	2014	2015	1	4	7	6	7	6	3	1	6	5	5	9	12	72
42005	42370	2015	2016	1	4	7	7	7	7	3	1	6	5	5	9	12	72
42370	42736	2016	2017	1	4	7	7	7	7	3	1	6	5	5	9	12	73
42736	43101	2017	2018	1	4	7	7	7	7	3	1	6	5	5	9	12	73
43101	43466	2018	2019	1	4	7	7	7	7	3	1	6	5	5	9	12	74
43466	43831	2019	2020	1	4	7	7	7	7	3	1	6	5	5	9	12	74
43831	44197	2020	2021	1	4	7	7	7	7	3	1	6	5	5	9	12	74
44197	44562	2021	2022	1	4	7	7	7	7	3	1	6	5	5	9	12	75
44562	44927	2022	2023	1	4	7	7	7	7	3	1	7	5	5	9	12	75
44927	45292	2023	2024	1	4	7	7	7	7	3	2	7	5	5	9	12	75
45292	45658	2024	2025	1	4	7	7	7	7	3	2	7	5	5	9	12	75
45658	46023	2025	2026	1	4	7	7	7	7	3	2	7	5	5	9	12	76
46023	46388	2026	2027	1	4	7	7	7	7	3	2	7	5	5	9	12	76
46388	46753	2027	2028	1	4	7	7	7	7	3	2	7	5	5	9	12	76
46753	47119	2028	2029	1	4	8	7	7	7	3	2	7	5	5	9	12	76
47119	47484	2029	2030	1	4	8	7	7	7	3	2	7	5	5	9	12	77
47484	47849	2030	2031	1	4	8	7	7	7	3	2	7	5	5	9	12	77
47849	48214	2031	2032	1	4	8	7	7	7	3	2	7	5	5	9	12	77
48214	48580	2032	2033	1	4	8	7	7	7	3	2	7	5	5	9	12	77
48580	48945	2033	2034	1	4	8	7	7	7	3	2	7	5	5	9	12	77
48945	49310	2034	2035	1	4	8	7	7	7	3	2	7	5	5	9	12	77
49310	49675	2035	2036	1	4	8	7	7	7	4	2	7	5	5	9	12	78
49675	50041	2036	2037	1	4	8	7	7	7	4	2	7	5	5	9	12	78
50041	50406	2037	2038	1	4	8	7	7	7	4	2	7	5	5	9	12	78
50406	50771	2038	2039	1	4	8	7	7	7	4	2	7	5	5	9	12	78
50771	51136	2039	2040	1	4	8	7	7	7	4	2	7	5	5	9	12	78
51136	51502	2040	2041	1	4	8	7	7	7	4	2	7	5	5	9	12	78
51502	51867	2041	2042	1	4	8	7	7	7	4	2	7	5	5	9	12	78
51867	52232	2042	2043	1	4	8	7	7	7	4	2	7	5	5	9	12	79
52232	52597	2043	2044	1	4	8	7	7	7	4	2	7	5	5	9	12	79
52597	52963	2044	2045	1	4	8	7	7	7	4	2	7	5	5	9	12	79
52963	53328	2045	2046	1	4	8	7	7	7	4	2	7	5	6	9	12	79
53328	53693	2046	2047	1	4	8	7	7	7	4	2	7	5	6	9	12	79
53693	54058	2047	2048	1	4	8	7	7	7	4	2	7	5	6	9	12	79
54058	54424	2048	2049	1	4	8	7	7	7	4	2	7	5	6	9	12	79
54424	54789	2049	2050	1	4	8	7	7	7	4	2	7	5	6	9	12	79
54789	55154	2050	2051	1	4	8	7	7	7	4	2	7	5	6	9	12	79
55154	55519	2051	2052	1	4	8	7	7	7	4	2	7	5	6	9	12	79
55519	55885	2052	2053	1	4	8	7	7	7	4	2	7	5	6	9	12	80
55885	56250	2053	2054	1	4	8	7	7	7	4	2	7	5	6	9	12	80
56250	56615	2054	2055	1	4	8	7	7	7	4	2	7	5	6	9	12	80
56615	56980	2055	2056	1	4	8	7	7	7	4	2	7	5	6	9	12	80
56980	57346	2056	2057	1	4	8	7	7	7	4	2	7	5	6	9	12	80
57346	57711	2057	2058	1	4	8	7	7	7	4	2	7	5	6	9	12	80
57711	58076	2058	2059	1	4	8	7	7	7	4	2	7	5	6	9	12	80
58076	58441	2059	2060	1	4	8	7	7	7	4	2	7	5	6	9	12	80
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 4) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	1	4	8	7	7	7	4	2	7	5	6	9	12	80
58807	59172	2061	2062	1	4	8	7	7	7	4	2	7	5	6	9	12	80
59172	59537	2062	2063	1	5	8	7	7	7	4	2	7	5	6	9	12	80
59537	59902	2063	2064	1	5	8	7	7	7	4	2	7	5	6	9	13	80
59902	60268	2064	2065	1	5	8	7	7	7	4	2	7	5	6	9	13	80
60268	60633	2065	2066	1	5	8	7	7	7	4	2	7	5	6	9	13	81
60633	60998	2066	2067	1	5	8	7	7	7	4	2	7	5	6	9	13	81
60998	61363	2067	2068	1	5	8	7	7	7	4	2	7	5	6	9	13	81
61363	61729	2068	2069	1	5	8	7	7	7	4	2	7	5	6	9	13	81
61729	62094	2069	2070	1	5	8	7	7	7	4	2	7	5	6	9	13	81
62094	62459	2070	2071	1	5	8	7	7	7	4	2	7	5	6	9	13	81
62459	62824	2071	2072	1	5	8	7	7	7	4	2	7	5	6	9	13	81
62824	63190	2072	2073	1	5	8	7	7	7	4	2	7	5	6	9	13	81
63190	63555	2073	2074	1	5	8	7	7	7	4	2	7	5	6	9	13	81
63555	63920	2074	2075	1	5	8	7	7	7	4	2	7	5	6	9	13	81
63920	64285	2075	2076	1	5	8	7	7	7	4	2	7	5	6	9	13	81
64285	64651	2076	2077	1	5	8	7	7	7	4	2	7	5	6	9	13	81
64651	65016	2077	2078	1	5	8	7	7	7	4	2	7	5	6	9	13	81
65016	65381	2078	2079	1	5	8	7	7	7	4	2	7	5	6	9	13	81
65381	65746	2079	2080	1	5	8	7	7	7	4	2	7	5	6	9	13	81
65746	66112	2080	2081	1	5	8	7	7	7	4	2	7	5	6	9	13	81
66112	66477	2081	2082	1	5	8	7	7	7	4	2	7	5	6	9	13	81
66477	66842	2082	2083	1	5	8	7	7	7	4	2	7	5	6	9	13	81
66842	67207	2083	2084	1	5	8	8	7	7	4	2	7	5	6	9	13	81
67207	67573	2084	2085	1	5	8	8	7	7	4	2	7	5	6	9	13	81
67573	67938	2085	2086	1	5	8	8	7	7	4	2	7	5	6	9	13	82
67938	68303	2086	2087	1	5	8	8	7	7	4	2	7	5	6	9	13	82
68303	68668	2087	2088	1	5	8	8	7	7	4	2	7	5	6	9	13	82
68668	69034	2088	2089	1	5	8	8	7	7	4	2	7	5	6	9	13	82
69034	69399	2089	2090	1	5	8	8	7	7	4	2	7	5	6	9	13	82
69399	69764	2090	2091	1	5	8	8	7	7	4	2	7	5	6	9	13	82
69764	70129	2091	2092	1	5	8	8	7	7	4	2	7	5	6	9	13	82
70129	70495	2092	2093	1	5	8	8	7	7	4	2	7	5	6	9	13	82
70495	70860	2093	2094	1	5	8	8	7	7	4	2	7	5	6	9	13	82
70860	71225	2094	2095	1	5	8	8	7	7	4	2	7	5	6	9	13	82
71225	71590	2095	2096	1	5	8	8	7	7	4	2	7	5	6	9	13	82
71590	71956	2096	2097	1	5	8	8	7	8	4	2	7	5	6	9	13	82
71956	72321	2097	2098	1	5	8	8	7	8	4	2	7	5	6	9	13	82
72321	72686	2098	2099	1	5	8	8	8	8	4	2	7	5	6	9	13	82
72686	73051	2099	2100	1	5	8	8	8	8	4	2	7	5	6	9	13	82
73051	73416	2100	2101	1	5	8	8	8	8	4	2	7	5	6	9	13	82
73416	73781	2101	2102	1	5	8	8	8	8	4	2	7	5	6	9	13	82
73781	74146	2102	2103	1	5	8	8	8	8	4	2	7	5	6	9	13	82
74146	74511	2103	2104	1	5	8	8	8	8	4	2	7	5	6	9	13	82
74511	74877	2104	2105	1	5	8	8	8	8	4	2	7	5	6	9	13	82
74877	75242	2105	2106	1	5	8	8	8	8	4	2	7	5	6	9	13	82
75242	75607	2106	2107	1	5	8	8	8	8	4	2	7	5	6	9	13	82
75607	75972	2107	2108	1	5	8	8	8	8	4	2	7	5	6	9	13	82
75972	76338	2108	2109	1	5	8	8	8	8	4	2	7	5	6	9	13	82
76338	76703	2109	2110	1	5	8	8	8	8	4	2	7	5	6	9	13	82
76703	77068	2110	2111	1	5	8	8	8	8	4	2	7	5	6	9	13	82
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 4) (Part 3/3)



B-4b (S4). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2301
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2799
35247	35431	1996.5	1997	156	115	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	156	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	156	116	234	238	244	213	115	35	168	100	158	566	494	2838
35796	35977	1998	1998.5	156	117	235	238	245	215	117	35	170	101	158	566	495	2849
35977	36161	1998.5	1999	156	118	236	238	245	216	119	36	172	102	159	566	495	2858
36161	36342	1999	1999.5	150	118	236	238	246	218	120	36	175	103	159	566	496	2860
36342	36526	1999.5	2000	146	119	237	238	246	219	121	36	177	103	159	566	496	2864
36526	36708	2000	2000.5	137	118	235	235	243	218	118	33	170	103	159	566	480	2815
36708	36892	2000.5	2001	130	116	233	233	241	217	115	31	169	103	159	566	472	2785
36892	37073	2001	2001.5	125	114	230	231	239	215	114	30	168	102	158	566	467	2759
37073	37257	2001.5	2002	121	112	228	229	237	213	112	28	168	102	158	565	463	2737
37257	37438	2002	2002.5	118	110	226	228	236	212	111	27	168	102	157	565	460	2719
37438	37622	2002.5	2003	115	109	224	226	234	210	110	27	167	102	157	565	457	2703
37622	37803	2003	2003.5	113	107	222	225	233	209	109	26	167	102	156	564	455	2690
37803	37987	2003.5	2004	112	106	221	223	233	208	109	26	167	102	156	564	454	2680
37987	38169	2004	2004.5	111	106	220	223	232	207	108	25	167	101	156	564	453	2673
38169	38353	2004.5	2005	110	106	221	222	231	206	108	25	167	101	155	564	453	2670
38353	38534	2005	2005.5	110	107	221	222	231	206	108	26	173	104	155	564	455	2684
38534	38718	2005.5	2006	112	109	223	222	231	207	110	28	175	105	156	564	457	2699
38718	38899	2006	2006.5	113	111	224	223	232	208	111	29	176	106	156	565	459	2714
38899	39083	2006.5	2007	114	113	226	223	232	210	113	30	178	107	157	565	461	2730
39083	39264	2007	2007.5	115	115	229	224	233	212	116	32	180	109	158	566	463	2750
39264	39448	2007.5	2008	117	117	232	226	235	216	119	33	181	110	159	566	464	2775
39448	39630	2008	2008.5	112	120	236	228	236	219	121	34	183	112	159	566	466	2793
39630	39814	2008.5	2009	110	122	239	230	237	222	123	35	184	113	160	567	467	2811
39814	39995	2009	2009.5	109	124	242	232	238	225	125	36	186	114	161	567	469	2828
39995	40179	2009.5	2010	109	127	244	233	239	228	127	37	187	115	162	567	470	2845

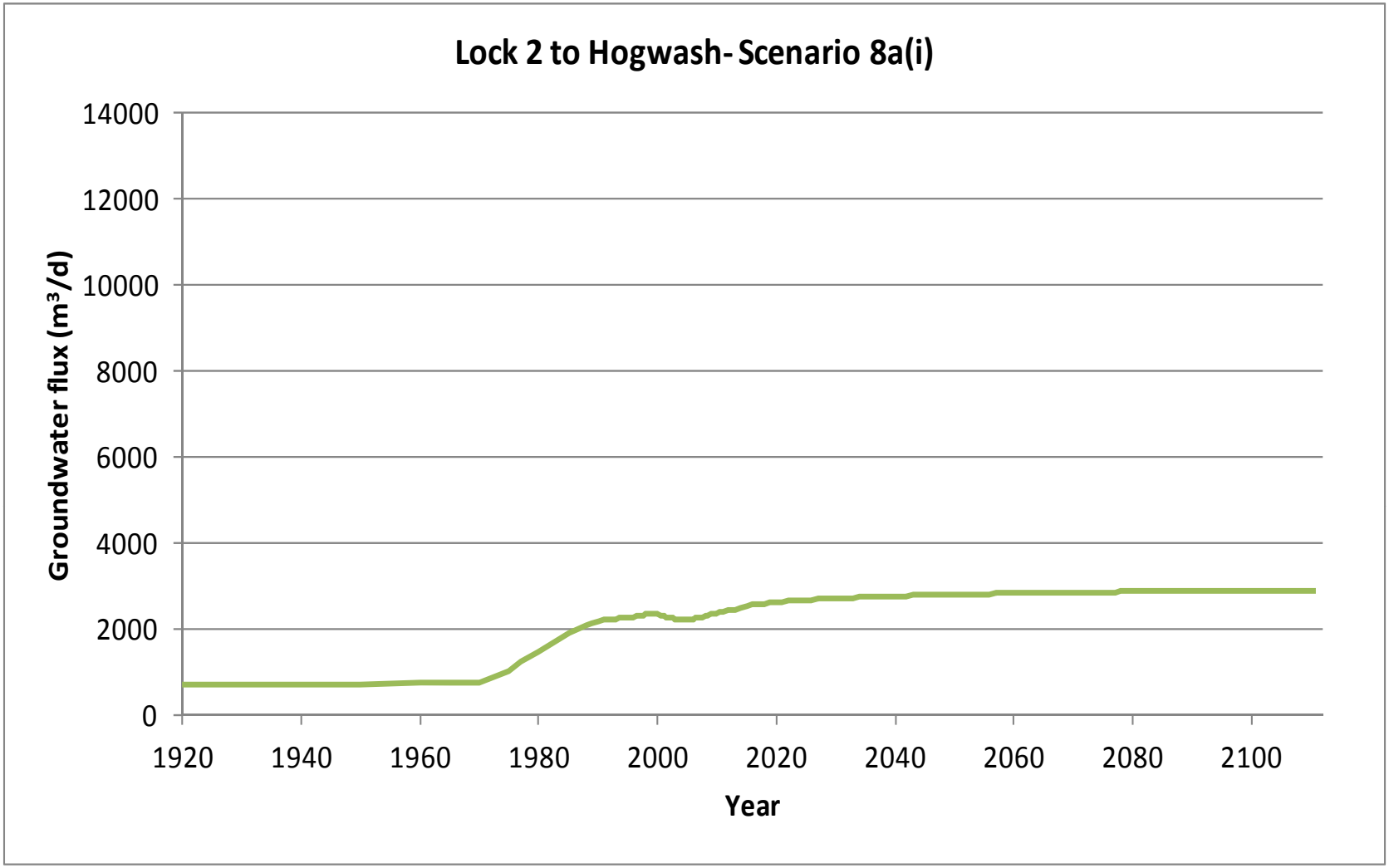
B-4a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	109	129	247	235	240	230	128	38	188	116	162	568	471	2862
40360	40544	2010.5	2011	110	130	249	236	241	231	130	40	189	117	163	568	473	2877
40544	40909	2011	2012	111	134	253	238	243	235	133	42	191	119	164	568	475	2907
40909	41275	2012	2013	112	136	256	240	245	238	136	44	193	121	166	569	477	2933
41275	41640	2013	2014	114	139	259	242	246	240	139	53	204	135	171	569	479	2989
41640	42005	2014	2015	115	140	262	243	247	242	141	57	209	142	176	570	481	3024
42005	42370	2015	2016	116	142	264	245	248	244	143	59	213	146	179	571	482	3050
42370	42736	2016	2017	117	144	266	246	248	245	145	61	215	148	181	571	483	3071
42736	43101	2017	2018	118	145	267	247	249	247	147	63	217	150	183	572	485	3089
43101	43466	2018	2019	119	146	269	248	250	248	148	64	219	152	184	572	486	3105
43466	43831	2019	2020	120	147	271	249	251	249	149	65	220	153	185	573	487	3119
43831	44197	2020	2021	120	148	272	250	251	250	150	66	222	155	186	573	488	3132
44197	44562	2021	2022	121	149	273	251	252	251	151	67	223	156	187	574	489	3144
44562	44927	2022	2023	122	150	275	252	253	252	152	68	224	157	188	574	491	3155
44927	45292	2023	2024	122	151	276	253	254	253	153	68	224	157	189	574	492	3166
45292	45658	2024	2025	123	152	277	254	255	254	153	69	225	158	189	574	493	3176
45658	46023	2025	2026	123	153	278	255	255	255	154	70	226	159	190	574	494	3185
46023	46388	2026	2027	124	153	279	255	256	256	155	70	226	159	191	575	495	3194
46388	46753	2027	2028	124	154	280	256	257	257	155	71	227	160	191	575	496	3202
46753	47119	2028	2029	125	155	281	257	258	257	156	71	227	160	192	575	497	3210
47119	47484	2029	2030	125	155	282	258	258	258	156	71	228	161	192	575	498	3218
47484	47849	2030	2031	126	156	283	259	259	259	157	72	228	161	192	575	499	3225
47849	48214	2031	2032	126	157	284	259	260	260	157	72	228	161	193	575	500	3232
48214	48580	2032	2033	126	157	285	260	260	260	157	72	229	162	193	576	500	3239
48580	48945	2033	2034	127	158	286	261	261	261	158	73	229	162	193	576	501	3245
48945	49310	2034	2035	127	158	287	262	261	262	158	73	230	162	194	576	502	3252
49310	49675	2035	2036	128	159	288	262	262	262	159	73	230	163	194	576	503	3258
49675	50041	2036	2037	128	159	288	263	263	263	159	73	230	163	194	576	504	3263
50041	50406	2037	2038	128	160	289	264	263	263	159	74	230	163	195	576	505	3269
50406	50771	2038	2039	129	160	290	264	264	264	160	74	231	164	195	576	505	3275
50771	51136	2039	2040	129	161	291	265	264	265	160	74	231	164	195	576	506	3280
51136	51502	2040	2041	129	161	291	265	265	265	160	74	231	164	195	576	507	3285
51502	51867	2041	2042	129	162	292	266	265	266	161	74	232	164	196	576	508	3290
51867	52232	2042	2043	130	162	293	266	266	266	161	74	232	164	196	576	508	3295
52232	52597	2043	2044	130	162	293	267	266	267	161	75	232	165	196	577	509	3300
52597	52963	2044	2045	130	163	294	268	267	267	161	75	232	165	196	577	510	3304
52963	53328	2045	2046	130	163	295	268	267	268	162	75	232	165	196	577	510	3309
53328	53693	2046	2047	131	164	295	269	268	268	162	75	233	165	197	577	511	3313
53693	54058	2047	2048	131	164	296	269	268	268	162	75	233	165	197	577	512	3317
54058	54424	2048	2049	131	164	297	270	269	269	162	75	233	165	197	577	512	3321
54424	54789	2049	2050	131	165	297	270	269	269	163	75	233	166	197	577	513	3325
54789	55154	2050	2051	132	165	298	271	269	270	163	75	233	166	197	577	513	3329
55154	55519	2051	2052	132	165	298	271	270	270	163	75	234	166	197	577	514	3333
55519	55885	2052	2053	132	166	299	271	270	270	163	76	234	166	197	577	515	3336
55885	56250	2053	2054	132	166	299	272	271	271	163	76	234	166	198	577	515	3340
56250	56615	2054	2055	132	166	300	272	271	271	164	76	234	166	198	577	516	3343
56615	56980	2055	2056	133	167	300	273	271	272	164	76	234	166	198	577	516	3346
56980	57346	2056	2057	133	167	301	273	272	272	164	76	234	166	198	577	517	3350
57346	57711	2057	2058	133	167	301	273	272	272	164	76	234	167	198	577	517	3353
57711	58076	2058	2059	133	168	302	274	272	273	164	76	235	167	198	577	518	3356
58076	58441	2059	2060	133	168	302	274	273	273	164	76	235	167	198	578	518	3359

B-4a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	134	168	303	274	273	273	165	76	235	167	198	578	518	3361
58807	59172	2061	2062	134	168	303	275	273	273	165	76	235	167	199	578	519	3364
59172	59537	2062	2063	134	169	303	275	273	274	165	76	235	167	199	578	519	3367
59537	59902	2063	2064	134	169	304	275	274	274	165	76	235	167	199	578	520	3370
59902	60268	2064	2065	134	169	304	276	274	274	165	76	235	167	199	578	520	3372
60268	60633	2065	2066	134	169	305	276	274	275	165	76	235	167	199	578	521	3375
60633	60998	2066	2067	134	170	305	276	275	275	165	76	235	167	199	578	521	3377
60998	61363	2067	2068	135	170	305	277	275	275	165	76	236	167	199	578	521	3379
61363	61729	2068	2069	135	170	306	277	275	275	166	77	236	168	199	578	522	3382
61729	62094	2069	2070	135	170	306	277	275	276	166	77	236	168	199	578	522	3384
62094	62459	2070	2071	135	170	306	277	276	276	166	77	236	168	199	578	522	3386
62459	62824	2071	2072	135	171	307	278	276	276	166	77	236	168	199	578	523	3388
62824	63190	2072	2073	135	171	307	278	276	276	166	77	236	168	200	578	523	3390
63190	63555	2073	2074	135	171	307	278	276	276	166	77	236	168	200	578	523	3392
63555	63920	2074	2075	136	171	307	278	276	277	166	77	236	168	200	578	524	3394
63920	64285	2075	2076	136	171	308	279	277	277	166	77	236	168	200	578	524	3396
64285	64651	2076	2077	136	172	308	279	277	277	166	77	236	168	200	578	524	3398
64651	65016	2077	2078	136	172	308	279	277	277	167	77	236	168	200	578	525	3400
65016	65381	2078	2079	136	172	309	279	277	277	167	77	237	168	200	578	525	3401
65381	65746	2079	2080	136	172	309	280	277	278	167	77	237	168	200	578	525	3403
65746	66112	2080	2081	136	172	309	280	278	278	167	77	237	168	200	578	525	3405
66112	66477	2081	2082	136	172	309	280	278	278	167	77	237	168	200	578	526	3406
66477	66842	2082	2083	136	172	310	280	278	278	167	77	237	168	200	578	526	3408
66842	67207	2083	2084	136	173	310	280	278	278	167	77	237	168	200	578	526	3409
67207	67573	2084	2085	137	173	310	281	278	278	167	77	237	168	200	578	526	3411
67573	67938	2085	2086	137	173	310	281	278	279	167	77	237	169	200	578	527	3412
67938	68303	2086	2087	137	173	310	281	278	279	167	77	237	169	200	578	527	3414
68303	68668	2087	2088	137	173	311	281	279	279	167	77	237	169	200	578	527	3415
68668	69034	2088	2089	137	173	311	281	279	279	167	77	237	169	201	578	527	3416
69034	69399	2089	2090	137	173	311	281	279	279	167	77	237	169	201	578	527	3418
69399	69764	2090	2091	137	174	311	282	279	279	168	77	237	169	201	579	528	3419
69764	70129	2091	2092	137	174	311	282	279	279	168	77	237	169	201	579	528	3420
70129	70495	2092	2093	137	174	312	282	279	280	168	77	237	169	201	579	528	3421
70495	70860	2093	2094	137	174	312	282	279	280	168	77	237	169	201	579	528	3423
70860	71225	2094	2095	137	174	312	282	280	280	168	77	237	169	201	579	528	3424
71225	71590	2095	2096	137	174	312	282	280	280	168	77	238	169	201	579	529	3425
71590	71956	2096	2097	137	174	312	282	280	280	168	77	238	169	201	579	529	3426
71956	72321	2097	2098	137	174	312	282	280	280	168	77	238	169	201	579	529	3427
72321	72686	2098	2099	138	174	313	283	280	280	168	77	238	169	201	579	529	3428
72686	73051	2099	2100	138	174	313	283	280	280	168	77	238	169	201	579	529	3429
73051	73416	2100	2101	138	175	313	283	280	280	168	77	238	169	201	579	529	3430
73416	73781	2101	2102	138	175	313	283	280	281	168	77	238	169	201	579	529	3431
73781	74146	2102	2103	138	175	313	283	280	281	168	77	238	169	201	579	530	3432
74146	74511	2103	2104	138	175	313	283	281	281	168	78	238	169	201	579	530	3433
74511	74877	2104	2105	138	175	313	283	281	281	168	78	238	169	201	579	530	3434
74877	75242	2105	2106	138	175	314	283	281	281	168	78	238	169	201	579	530	3434
75242	75607	2106	2107	138	175	314	283	281	281	168	78	238	169	201	579	530	3435
75607	75972	2107	2108	138	175	314	284	281	281	168	78	238	169	201	579	530	3436
75972	76338	2108	2109	138	175	314	284	281	281	168	78	238	169	201	579	530	3437
76338	76703	2109	2110	138	175	314	284	281	281	168	78	238	169	201	579	531	3438
76703	77068	2110	2111	138	175	314	284	281	281	169	78	238	169	201	579	531	3438

B-4a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(i)) (Part 3/3)



B-4a (S8a(i)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8a(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	3	6	6	6	6	3	1	5	3	4	9	11	64
37073	37257	2001.5	2002	1	3	6	6	6	6	2	1	5	3	4	9	11	64
37257	37438	2002	2002.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37438	37622	2002.5	2003	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37622	37803	2003	2003.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37803	37987	2003.5	2004	1	3	6	6	6	6	2	1	5	3	4	9	11	62
37987	38169	2004	2004.5	1	3	6	6	6	6	2	1	5	3	4	9	11	62
38169	38353	2004.5	2005	1	3	6	6	6	6	2	1	5	3	4	9	11	62
38353	38534	2005	2005.5	1	3	6	6	6	5	2	1	5	3	4	9	11	63
38534	38718	2005.5	2006	1	3	6	6	6	6	2	1	5	3	4	9	11	63
38718	38899	2006	2006.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
38899	39083	2006.5	2007	1	3	6	6	6	6	2	1	5	3	4	9	11	64
39083	39264	2007	2007.5	1	3	6	6	6	6	3	1	5	4	4	9	11	64
39264	39448	2007.5	2008	1	3	6	6	6	6	3	1	5	4	4	9	11	65
39448	39630	2008	2008.5	1	3	6	6	6	6	3	1	5	4	4	9	11	65
39630	39814	2008.5	2009	1	3	6	6	6	6	3	1	5	4	4	9	11	66
39814	39995	2009	2009.5	1	3	6	6	6	6	3	1	5	4	5	9	11	66
39995	40179	2009.5	2010	1	3	7	6	6	6	3	1	5	4	5	9	11	67
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

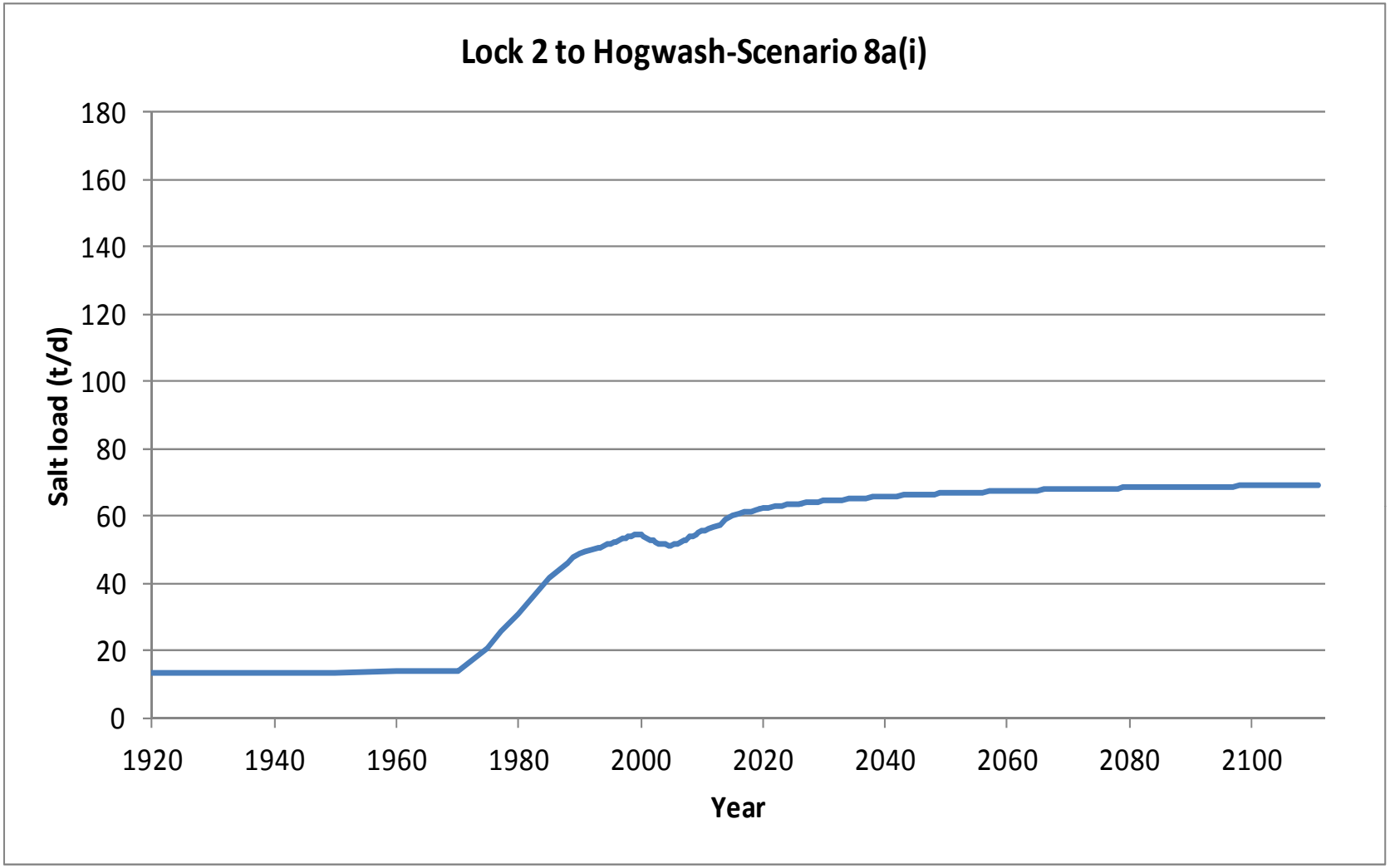
B-4b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	1	3	7	6	6	6	3	1	5	4	5	9	11	67
40360	40544	2010.5	2011	1	3	7	6	6	6	3	1	6	4	5	9	11	68
40544	40909	2011	2012	1	4	7	6	6	6	3	1	6	4	5	9	11	68
40909	41275	2012	2013	1	4	7	6	7	6	3	1	6	4	5	9	11	69
41275	41640	2013	2014	1	4	7	6	7	6	3	1	6	4	5	9	11	71
41640	42005	2014	2015	1	4	7	6	7	6	3	1	6	5	5	9	12	72
42005	42370	2015	2016	1	4	7	7	7	6	3	1	6	5	5	9	12	72
42370	42736	2016	2017	1	4	7	7	7	7	3	1	6	5	5	9	12	73
42736	43101	2017	2018	1	4	7	7	7	7	3	1	6	5	5	9	12	73
43101	43466	2018	2019	1	4	7	7	7	7	3	1	6	5	5	9	12	74
43466	43831	2019	2020	1	4	7	7	7	7	3	1	6	5	5	9	12	74
43831	44197	2020	2021	1	4	7	7	7	7	3	1	6	5	5	9	12	74
44197	44562	2021	2022	1	4	7	7	7	7	3	1	6	5	5	9	12	75
44562	44927	2022	2023	1	4	7	7	7	7	3	1	7	5	5	9	12	75
44927	45292	2023	2024	1	4	7	7	7	7	3	2	7	5	5	9	12	75
45292	45658	2024	2025	1	4	7	7	7	7	3	2	7	5	5	9	12	75
45658	46023	2025	2026	1	4	7	7	7	7	3	2	7	5	5	9	12	76
46023	46388	2026	2027	1	4	7	7	7	7	3	2	7	5	5	9	12	76
46388	46753	2027	2028	1	4	7	7	7	7	3	2	7	5	5	9	12	76
46753	47119	2028	2029	1	4	7	7	7	7	3	2	7	5	5	9	12	76
47119	47484	2029	2030	1	4	8	7	7	7	3	2	7	5	5	9	12	76
47484	47849	2030	2031	1	4	8	7	7	7	3	2	7	5	5	9	12	77
47849	48214	2031	2032	1	4	8	7	7	7	3	2	7	5	5	9	12	77
48214	48580	2032	2033	1	4	8	7	7	7	3	2	7	5	5	9	12	77
48580	48945	2033	2034	1	4	8	7	7	7	3	2	7	5	5	9	12	77
48945	49310	2034	2035	1	4	8	7	7	7	3	2	7	5	5	9	12	77
49310	49675	2035	2036	1	4	8	7	7	7	3	2	7	5	5	9	12	77
49675	50041	2036	2037	1	4	8	7	7	7	3	2	7	5	5	9	12	78
50041	50406	2037	2038	1	4	8	7	7	7	4	2	7	5	5	9	12	78
50406	50771	2038	2039	1	4	8	7	7	7	4	2	7	5	5	9	12	78
50771	51136	2039	2040	1	4	8	7	7	7	4	2	7	5	5	9	12	78
51136	51502	2040	2041	1	4	8	7	7	7	4	2	7	5	5	9	12	78
51502	51867	2041	2042	1	4	8	7	7	7	4	2	7	5	5	9	12	78
51867	52232	2042	2043	1	4	8	7	7	7	4	2	7	5	5	9	12	78
52232	52597	2043	2044	1	4	8	7	7	7	4	2	7	5	5	9	12	78
52597	52963	2044	2045	1	4	8	7	7	7	4	2	7	5	5	9	12	79
52963	53328	2045	2046	1	4	8	7	7	7	4	2	7	5	5	9	12	79
53328	53693	2046	2047	1	4	8	7	7	7	4	2	7	5	6	9	12	79
53693	54058	2047	2048	1	4	8	7	7	7	4	2	7	5	6	9	12	79
54058	54424	2048	2049	1	4	8	7	7	7	4	2	7	5	6	9	12	79
54424	54789	2049	2050	1	4	8	7	7	7	4	2	7	5	6	9	12	79
54789	55154	2050	2051	1	4	8	7	7	7	4	2	7	5	6	9	12	79
55154	55519	2051	2052	1	4	8	7	7	7	4	2	7	5	6	9	12	79
55519	55885	2052	2053	1	4	8	7	7	7	4	2	7	5	6	9	12	79
55885	56250	2053	2054	1	4	8	7	7	7	4	2	7	5	6	9	12	79
56250	56615	2054	2055	1	4	8	7	7	7	4	2	7	5	6	9	12	80
56615	56980	2055	2056	1	4	8	7	7	7	4	2	7	5	6	9	12	80
56980	57346	2056	2057	1	4	8	7	7	7	4	2	7	5	6	9	12	80
57346	57711	2057	2058	1	4	8	7	7	7	4	2	7	5	6	9	12	80
57711	58076	2058	2059	1	4	8	7	7	7	4	2	7	5	6	9	12	80
58076	58441	2059	2060	1	4	8	7	7	7	4	2	7	5	6	9	12	80
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	1	4	8	7	7	7	4	2	7	5	6	9	12	80
58807	59172	2061	2062	1	4	8	7	7	7	4	2	7	5	6	9	12	80
59172	59537	2062	2063	1	4	8	7	7	7	4	2	7	5	6	9	12	80
59537	59902	2063	2064	1	5	8	7	7	7	4	2	7	5	6	9	12	80
59902	60268	2064	2065	1	5	8	7	7	7	4	2	7	5	6	9	12	80
60268	60633	2065	2066	1	5	8	7	7	7	4	2	7	5	6	9	12	80
60633	60998	2066	2067	1	5	8	7	7	7	4	2	7	5	6	9	13	80
60998	61363	2067	2068	1	5	8	7	7	7	4	2	7	5	6	9	13	80
61363	61729	2068	2069	1	5	8	7	7	7	4	2	7	5	6	9	13	81
61729	62094	2069	2070	1	5	8	7	7	7	4	2	7	5	6	9	13	81
62094	62459	2070	2071	1	5	8	7	7	7	4	2	7	5	6	9	13	81
62459	62824	2071	2072	1	5	8	7	7	7	4	2	7	5	6	9	13	81
62824	63190	2072	2073	1	5	8	7	7	7	4	2	7	5	6	9	13	81
63190	63555	2073	2074	1	5	8	7	7	7	4	2	7	5	6	9	13	81
63555	63920	2074	2075	1	5	8	7	7	7	4	2	7	5	6	9	13	81
63920	64285	2075	2076	1	5	8	7	7	7	4	2	7	5	6	9	13	81
64285	64651	2076	2077	1	5	8	7	7	7	4	2	7	5	6	9	13	81
64651	65016	2077	2078	1	5	8	7	7	7	4	2	7	5	6	9	13	81
65016	65381	2078	2079	1	5	8	7	7	7	4	2	7	5	6	9	13	81
65381	65746	2079	2080	1	5	8	7	7	7	4	2	7	5	6	9	13	81
65746	66112	2080	2081	1	5	8	7	7	7	4	2	7	5	6	9	13	81
66112	66477	2081	2082	1	5	8	7	7	7	4	2	7	5	6	9	13	81
66477	66842	2082	2083	1	5	8	7	7	7	4	2	7	5	6	9	13	81
66842	67207	2083	2084	1	5	8	7	7	7	4	2	7	5	6	9	13	81
67207	67573	2084	2085	1	5	8	7	7	7	4	2	7	5	6	9	13	81
67573	67938	2085	2086	1	5	8	7	7	7	4	2	7	5	6	9	13	81
67938	68303	2086	2087	1	5	8	7	7	7	4	2	7	5	6	9	13	81
68303	68668	2087	2088	1	5	8	7	7	7	4	2	7	5	6	9	13	81
68668	69034	2088	2089	1	5	8	7	7	7	4	2	7	5	6	9	13	81
69034	69399	2089	2090	1	5	8	7	7	7	4	2	7	5	6	9	13	81
69399	69764	2090	2091	1	5	8	8	7	7	4	2	7	5	6	9	13	81
69764	70129	2091	2092	1	5	8	8	7	7	4	2	7	5	6	9	13	81
70129	70495	2092	2093	1	5	8	8	7	7	4	2	7	5	6	9	13	82
70495	70860	2093	2094	1	5	8	8	7	7	4	2	7	5	6	9	13	82
70860	71225	2094	2095	1	5	8	8	7	7	4	2	7	5	6	9	13	82
71225	71590	2095	2096	1	5	8	8	7	7	4	2	7	5	6	9	13	82
71590	71956	2096	2097	1	5	8	8	7	7	4	2	7	5	6	9	13	82
71956	72321	2097	2098	1	5	8	8	7	7	4	2	7	5	6	9	13	82
72321	72686	2098	2099	1	5	8	8	7	7	4	2	7	5	6	9	13	82
72686	73051	2099	2100	1	5	8	8	7	7	4	2	7	5	6	9	13	82
73051	73416	2100	2101	1	5	8	8	7	7	4	2	7	5	6	9	13	82
73416	73781	2101	2102	1	5	8	8	7	7	4	2	7	5	6	9	13	82
73781	74146	2102	2103	1	5	8	8	7	7	4	2	7	5	6	9	13	82
74146	74511	2103	2104	1	5	8	8	7	7	4	2	7	5	6	9	13	82
74511	74877	2104	2105	1	5	8	8	7	7	4	2	7	5	6	9	13	82
74877	75242	2105	2106	1	5	8	8	7	7	4	2	7	5	6	9	13	82
75242	75607	2106	2107	1	5	8	8	7	7	4	2	7	5	6	9	13	82
75607	75972	2107	2108	1	5	8	8	7	7	4	2	7	5	6	9	13	82
75972	76338	2108	2109	1	5	8	8	7	7	4	2	7	5	6	9	13	82
76338	76703	2109	2110	1	5	8	8	7	7	4	2	7	5	6	9	13	82
76703	77068	2110	2111	1	5	8	8	7	7	4	2	7	5	6	9	13	82
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(i)) (Part 3/3)



B-4b (S8a(i)). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8a(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2300
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2799
35247	35431	1996.5	1997	156	115	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	156	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	156	116	234	238	244	213	115	35	168	100	158	566	494	2838
35796	35977	1998	1998.5	156	117	235	238	245	215	117	35	170	101	158	566	495	2849
35977	36161	1998.5	1999	156	118	236	238	245	216	119	36	172	102	159	566	495	2858
36161	36342	1999	1999.5	150	118	236	238	246	218	120	36	175	103	159	566	496	2860
36342	36526	1999.5	2000	146	119	237	238	246	219	121	36	177	103	159	566	496	2864
36526	36708	2000	2000.5	137	118	235	235	243	218	118	33	170	103	159	566	480	2815
36708	36892	2000.5	2001	130	116	233	233	241	217	115	31	169	103	159	566	472	2785
36892	37073	2001	2001.5	118	65	203	223	225	210	113	30	168	102	158	566	447	2629
37073	37257	2001.5	2002	107	47	180	208	214	202	111	28	168	102	158	565	428	2519
37257	37438	2002	2002.5	99	39	165	196	206	194	108	27	167	102	157	565	414	2440
37438	37622	2002.5	2003	94	33	154	185	199	187	106	26	167	102	157	565	402	2377
37622	37803	2003	2003.5	90	29	146	177	193	182	103	26	166	102	156	564	392	2326
37803	37987	2003.5	2004	87	26	138	170	188	177	101	25	166	101	156	564	384	2283
37987	38169	2004	2004.5	85	24	133	164	184	172	100	25	165	101	156	564	378	2249
38169	38353	2004.5	2005	83	22	129	159	180	168	98	24	165	101	155	564	372	2220
38353	38534	2005	2005.5	82	22	125	155	176	165	98	25	170	103	155	564	370	2211
38534	38718	2005.5	2006	82	22	123	151	174	163	98	27	171	104	156	564	368	2203
38718	38899	2006	2006.5	82	22	121	149	172	162	99	28	172	106	156	565	366	2199
38899	39083	2006.5	2007	83	22	120	146	170	161	99	29	174	107	157	565	364	2196
39083	39264	2007	2007.5	83	22	119	144	168	162	101	30	175	108	157	566	363	2197
39264	39448	2007.5	2008	83	23	120	144	167	163	103	31	176	109	158	566	361	2205
39448	39630	2008	2008.5	78	24	120	143	167	164	105	32	177	111	159	566	360	2206
39630	39814	2008.5	2009	75	24	121	143	166	165	106	33	178	112	160	567	359	2208
39814	39995	2009	2009.5	73	25	121	142	165	166	107	34	179	113	161	567	358	2211
39995	40179	2009.5	2010	72	26	122	142	164	167	108	35	180	114	161	567	356	2214

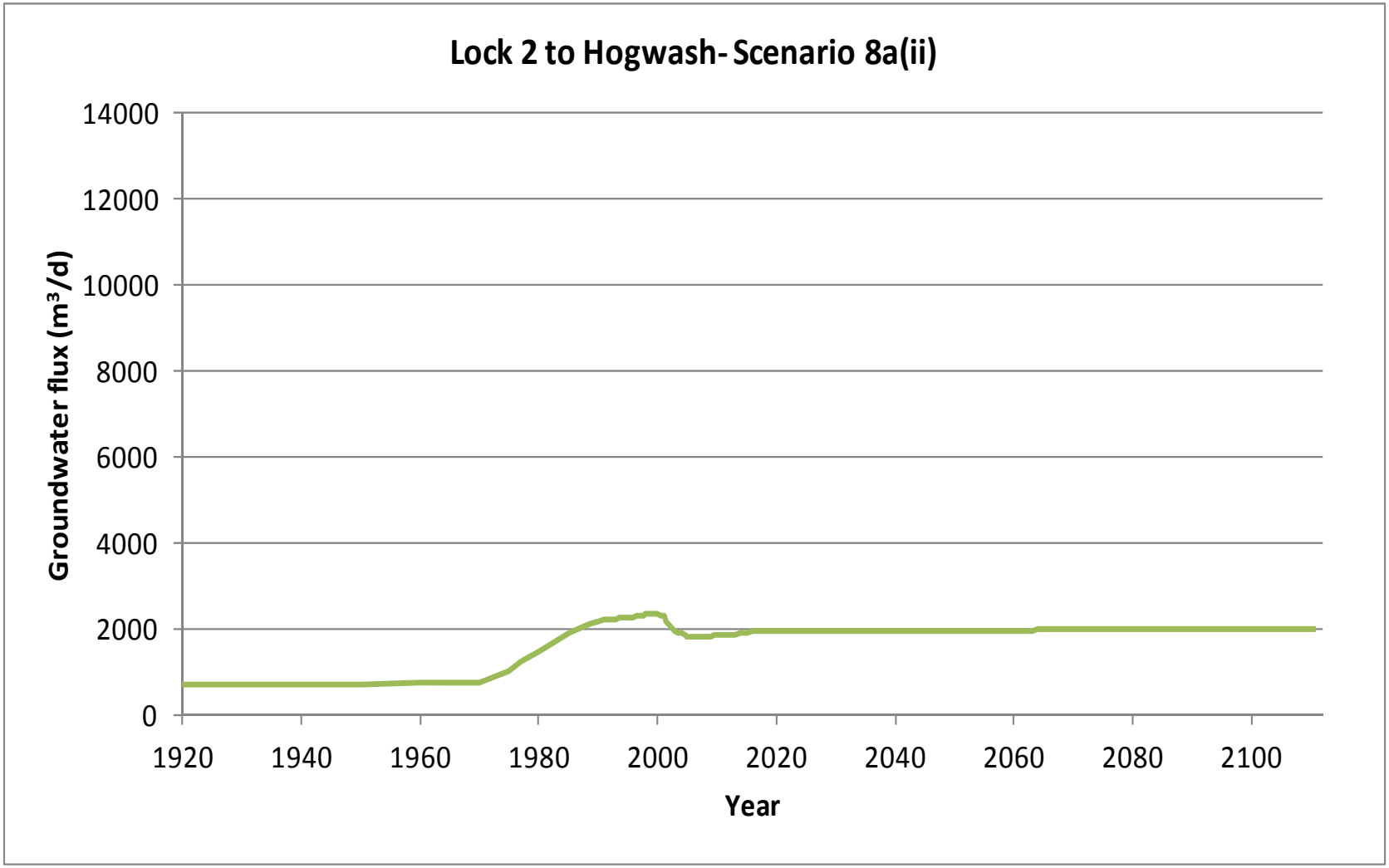
B-4a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	72	27	122	141	164	167	109	36	180	115	162	567	355	2217
40360	40544	2010.5	2011	71	27	122	140	163	168	110	37	181	115	162	568	354	2220
40544	40909	2011	2012	72	28	122	139	162	168	111	39	182	117	164	568	353	2225
40909	41275	2012	2013	72	29	122	138	160	168	113	41	183	119	165	568	351	2230
41275	41640	2013	2014	72	29	122	137	159	168	114	50	193	133	170	569	349	2265
41640	42005	2014	2015	72	30	121	136	157	167	116	54	198	139	175	569	348	2282
42005	42370	2015	2016	73	30	121	135	156	167	117	56	200	143	177	570	346	2290
42370	42736	2016	2017	73	30	120	133	155	166	117	58	202	145	180	571	345	2295
42736	43101	2017	2018	73	30	120	132	154	165	118	59	204	147	181	571	344	2297
43101	43466	2018	2019	73	30	119	132	152	165	118	60	204	148	182	572	342	2299
43466	43831	2019	2020	73	30	119	131	152	164	119	61	205	149	183	572	341	2299
43831	44197	2020	2021	73	30	118	130	151	164	119	62	206	150	184	572	341	2299
44197	44562	2021	2022	73	30	118	129	150	163	119	63	206	151	185	572	340	2299
44562	44927	2022	2023	73	30	117	129	149	163	119	63	206	152	186	573	339	2299
44927	45292	2023	2024	73	30	117	128	149	162	119	64	207	152	186	573	338	2299
45292	45658	2024	2025	73	30	116	128	148	162	119	64	207	153	187	573	338	2299
45658	46023	2025	2026	73	30	116	127	148	162	119	65	207	153	188	573	337	2298
46023	46388	2026	2027	73	30	116	127	147	161	119	65	207	154	188	573	337	2298
46388	46753	2027	2028	73	30	116	127	147	161	119	66	207	154	188	573	336	2298
46753	47119	2028	2029	73	30	115	126	147	161	119	66	207	154	189	574	336	2298
47119	47484	2029	2030	73	30	115	126	147	161	119	66	207	155	189	574	336	2298
47484	47849	2030	2031	73	30	115	126	146	161	119	67	207	155	189	574	335	2298
47849	48214	2031	2032	73	30	115	126	146	160	119	67	207	155	190	574	335	2298
48214	48580	2032	2033	73	30	115	126	146	160	119	67	208	155	190	574	335	2298
48580	48945	2033	2034	73	30	115	126	146	160	119	67	208	156	190	574	335	2298
48945	49310	2034	2035	73	30	115	126	146	160	119	67	208	156	191	574	335	2299
49310	49675	2035	2036	73	30	115	126	146	160	119	68	208	156	191	574	334	2299
49675	50041	2036	2037	73	30	115	126	146	160	120	68	208	156	191	574	334	2300
50041	50406	2037	2038	73	30	115	125	145	160	120	68	208	156	191	574	334	2300
50406	50771	2038	2039	73	30	115	125	145	160	120	68	208	156	191	574	334	2301
50771	51136	2039	2040	73	30	115	125	145	160	120	68	208	157	192	574	334	2301
51136	51502	2040	2041	73	30	115	125	145	160	120	68	208	157	192	575	334	2302
51502	51867	2041	2042	73	30	115	125	145	160	120	68	208	157	192	575	334	2303
51867	52232	2042	2043	73	30	115	126	145	160	120	69	208	157	192	575	334	2303
52232	52597	2043	2044	73	30	115	126	145	160	120	69	208	157	192	575	334	2304
52597	52963	2044	2045	73	30	115	126	145	160	120	69	208	157	192	575	334	2305
52963	53328	2045	2046	73	30	115	126	145	160	120	69	208	157	193	575	334	2306
53328	53693	2046	2047	73	30	115	126	145	160	120	69	208	157	193	575	334	2306
53693	54058	2047	2048	73	30	115	126	146	160	120	69	208	158	193	575	334	2307
54058	54424	2048	2049	74	30	115	126	146	160	120	69	208	158	193	575	335	2308
54424	54789	2049	2050	74	30	115	126	146	160	120	69	208	158	193	575	335	2309
54789	55154	2050	2051	74	30	115	126	146	160	120	69	208	158	193	575	335	2310
55154	55519	2051	2052	74	30	116	126	146	160	120	69	208	158	193	575	335	2311
55519	55885	2052	2053	74	30	116	126	146	161	120	69	208	158	194	575	335	2312
55885	56250	2053	2054	74	30	116	126	146	161	120	69	209	158	194	575	335	2312
56250	56615	2054	2055	74	30	116	126	146	161	120	69	209	158	194	575	335	2313
56615	56980	2055	2056	74	30	116	126	146	161	120	69	209	158	194	575	335	2314
56980	57346	2056	2057	74	30	116	127	146	161	120	70	209	158	194	575	335	2315
57346	57711	2057	2058	74	31	116	127	146	161	120	70	209	158	194	575	335	2316
57711	58076	2058	2059	74	31	116	127	146	161	120	70	209	158	194	575	335	2317
58076	58441	2059	2060	74	31	116	127	146	161	120	70	209	159	194	575	336	2318

B-4a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	74	31	116	127	146	161	121	70	209	159	194	575	336	2319
58807	59172	2061	2062	74	31	117	127	146	161	121	70	209	159	194	575	336	2320
59172	59537	2062	2063	74	31	117	127	147	161	121	70	209	159	195	576	336	2320
59537	59902	2063	2064	74	31	117	127	147	161	121	70	209	159	195	576	336	2321
59902	60268	2064	2065	74	31	117	127	147	161	121	70	209	159	195	576	336	2322
60268	60633	2065	2066	74	31	117	127	147	162	121	70	209	159	195	576	336	2323
60633	60998	2066	2067	74	31	117	127	147	162	121	70	209	159	195	576	336	2324
60998	61363	2067	2068	74	31	117	128	147	162	121	70	209	159	195	576	336	2325
61363	61729	2068	2069	74	31	117	128	147	162	121	70	209	159	195	576	337	2325
61729	62094	2069	2070	74	31	117	128	147	162	121	70	209	159	195	576	337	2326
62094	62459	2070	2071	74	31	117	128	147	162	121	70	209	159	195	576	337	2327
62459	62824	2071	2072	74	31	118	128	147	162	121	70	209	159	195	576	337	2328
62824	63190	2072	2073	74	31	118	128	147	162	121	70	209	159	195	576	337	2329
63190	63555	2073	2074	74	31	118	128	147	162	121	70	209	159	195	576	337	2329
63555	63920	2074	2075	75	31	118	128	147	162	121	70	209	159	195	576	337	2330
63920	64285	2075	2076	75	31	118	128	148	162	121	70	209	159	195	576	337	2331
64285	64651	2076	2077	75	31	118	128	148	162	121	70	210	159	196	576	337	2332
64651	65016	2077	2078	75	31	118	128	148	162	121	70	210	160	196	576	338	2332
65016	65381	2078	2079	75	31	118	128	148	162	121	70	210	160	196	576	338	2333
65381	65746	2079	2080	75	31	118	129	148	163	121	70	210	160	196	576	338	2334
65746	66112	2080	2081	75	32	118	129	148	163	121	70	210	160	196	576	338	2334
66112	66477	2081	2082	75	32	118	129	148	163	121	70	210	160	196	576	338	2335
66477	66842	2082	2083	75	32	119	129	148	163	121	70	210	160	196	576	338	2336
66842	67207	2083	2084	75	32	119	129	148	163	121	70	210	160	196	576	338	2336
67207	67573	2084	2085	75	32	119	129	148	163	122	70	210	160	196	576	338	2337
67573	67938	2085	2086	75	32	119	129	148	163	122	70	210	160	196	576	338	2337
67938	68303	2086	2087	75	32	119	129	148	163	122	70	210	160	196	576	338	2338
68303	68668	2087	2088	75	32	119	129	148	163	122	70	210	160	196	576	338	2339
68668	69034	2088	2089	75	32	119	129	148	163	122	70	210	160	196	576	339	2339
69034	69399	2089	2090	75	32	119	129	148	163	122	71	210	160	196	576	339	2340
69399	69764	2090	2091	75	32	119	129	148	163	122	71	210	160	196	576	339	2340
69764	70129	2091	2092	75	32	119	129	149	163	122	71	210	160	196	576	339	2341
70129	70495	2092	2093	75	32	119	129	149	163	122	71	210	160	196	576	339	2341
70495	70860	2093	2094	75	32	119	130	149	163	122	71	210	160	196	576	339	2342
70860	71225	2094	2095	75	32	119	130	149	163	122	71	210	160	196	576	339	2342
71225	71590	2095	2096	75	32	120	130	149	163	122	71	210	160	196	576	339	2343
71590	71956	2096	2097	75	32	120	130	149	164	122	71	210	160	196	576	339	2343
71956	72321	2097	2098	75	32	120	130	149	164	122	71	210	160	197	576	339	2344
72321	72686	2098	2099	75	32	120	130	149	164	122	71	210	160	197	576	339	2344
72686	73051	2099	2100	75	32	120	130	149	164	122	71	210	160	197	576	339	2345
73051	73416	2100	2101	75	32	120	130	149	164	122	71	210	160	197	576	339	2345
73416	73781	2101	2102	75	32	120	130	149	164	122	71	210	160	197	576	339	2346
73781	74146	2102	2103	75	32	120	130	149	164	122	71	210	160	197	576	340	2346
74146	74511	2103	2104	75	32	120	130	149	164	122	71	210	160	197	576	340	2347
74511	74877	2104	2105	75	32	120	130	149	164	122	71	210	160	197	576	340	2347
74877	75242	2105	2106	75	32	120	130	149	164	122	71	210	160	197	576	340	2348
75242	75607	2106	2107	75	32	120	130	149	164	122	71	210	160	197	576	340	2348
75607	75972	2107	2108	75	32	120	130	149	164	122	71	210	160	197	577	340	2348
75972	76338	2108	2109	75	32	120	130	149	164	122	71	210	160	197	577	340	2349
76338	76703	2109	2110	75	32	120	130	149	164	122	71	210	160	197	577	340	2349
76703	77068	2110	2111	75	32	120	130	149	164	122	71	210	160	197	577	340	2349

B-4a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(ii)) (Part 3/3)



B-4a (S8a(ii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8a(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	2	5	6	6	6	2	1	5	3	4	9	11	61
37073	37257	2001.5	2002	1	1	5	6	6	5	2	1	5	3	4	9	10	58
37257	37438	2002	2002.5	1	1	4	5	5	5	2	1	5	3	4	9	10	56
37438	37622	2002.5	2003	1	1	4	5	5	5	2	1	5	3	4	9	10	55
37622	37803	2003	2003.5	1	1	4	5	5	5	2	1	5	3	4	9	9	54
37803	37987	2003.5	2004	1	1	4	5	5	5	2	1	5	3	4	9	9	53
37987	38169	2004	2004.5	1	1	4	4	5	5	2	1	5	3	4	9	9	52
38169	38353	2004.5	2005	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38353	38534	2005	2005.5	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38534	38718	2005.5	2006	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38718	38899	2006	2006.5	1	1	3	4	5	4	2	1	5	3	4	9	9	50
38899	39083	2006.5	2007	1	1	3	4	5	4	2	1	5	3	4	9	9	50
39083	39264	2007	2007.5	1	1	3	4	4	4	2	1	5	3	4	9	9	50
39264	39448	2007.5	2008	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39448	39630	2008	2008.5	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39630	39814	2008.5	2009	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39814	39995	2009	2009.5	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39995	40179	2009.5	2010	1	1	3	4	4	4	2	1	5	4	5	9	9	51
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

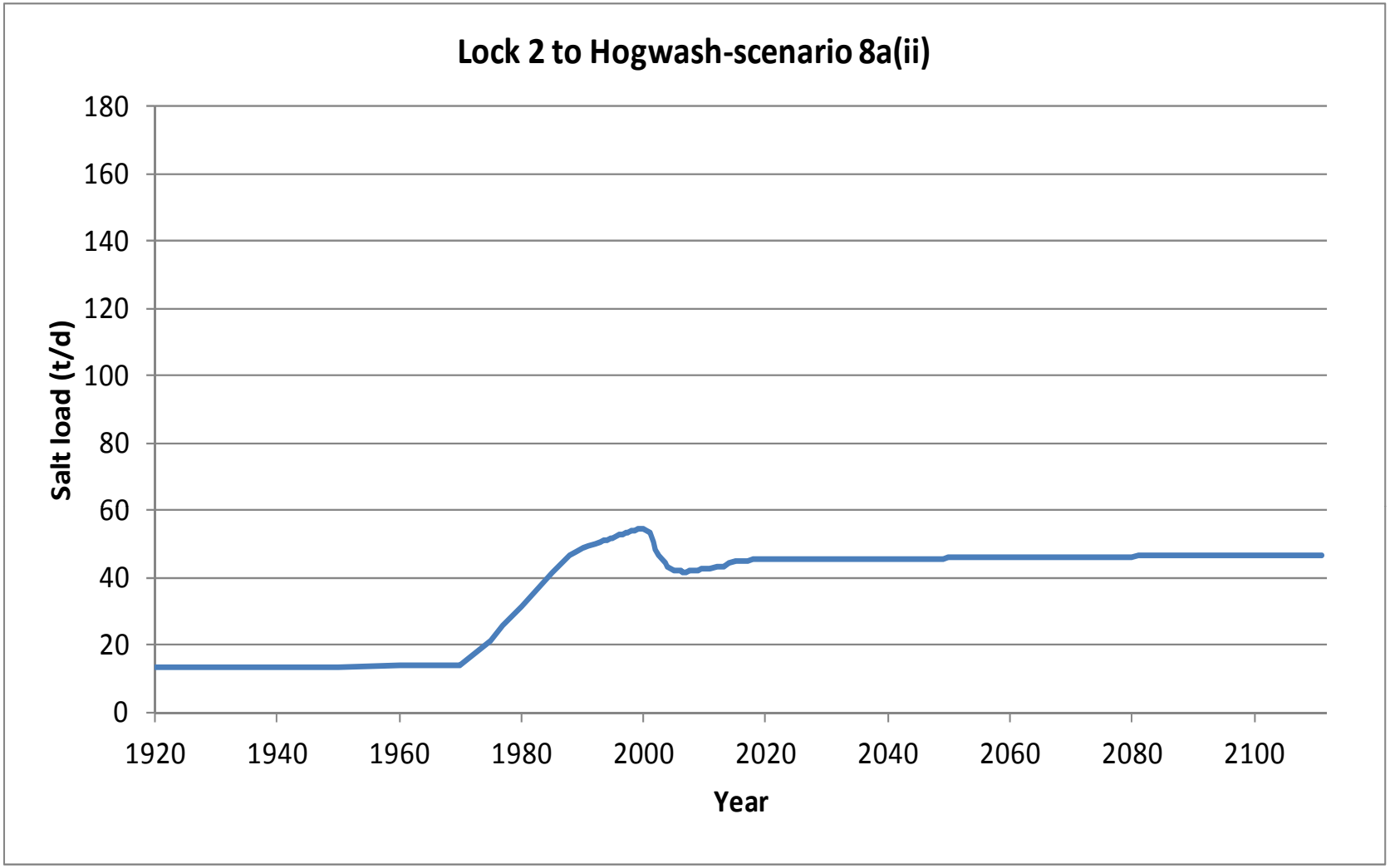
B-4b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	1	1	3	4	4	4	2	1	5	4	5	9	9	51
40360	40544	2010.5	2011	1	1	3	4	4	4	2	1	5	4	5	9	9	51
40544	40909	2011	2012	1	1	3	4	4	4	2	1	5	4	5	9	8	51
40909	41275	2012	2013	1	1	3	4	4	4	2	1	5	4	5	9	8	51
41275	41640	2013	2014	1	1	3	4	4	4	3	1	6	4	5	9	8	52
41640	42005	2014	2015	1	1	3	4	4	4	3	1	6	4	5	9	8	53
42005	42370	2015	2016	1	1	3	4	4	4	3	1	6	5	5	9	8	53
42370	42736	2016	2017	1	1	3	4	4	4	3	1	6	5	5	9	8	53
42736	43101	2017	2018	1	1	3	4	4	4	3	1	6	5	5	9	8	53
43101	43466	2018	2019	1	1	3	4	4	4	3	1	6	5	5	9	8	53
43466	43831	2019	2020	1	1	3	3	4	4	3	1	6	5	5	9	8	53
43831	44197	2020	2021	1	1	3	3	4	4	3	1	6	5	5	9	8	53
44197	44562	2021	2022	1	1	3	3	4	4	3	1	6	5	5	9	8	53
44562	44927	2022	2023	1	1	3	3	4	4	3	1	6	5	5	9	8	53
44927	45292	2023	2024	1	1	3	3	4	4	3	1	6	5	5	9	8	53
45292	45658	2024	2025	1	1	3	3	4	4	3	1	6	5	5	9	8	53
45658	46023	2025	2026	1	1	3	3	4	4	3	1	6	5	5	9	8	53
46023	46388	2026	2027	1	1	3	3	4	4	3	1	6	5	5	9	8	53
46388	46753	2027	2028	1	1	3	3	4	4	3	1	6	5	5	9	8	53
46753	47119	2028	2029	1	1	3	3	4	4	3	1	6	5	5	9	8	53
47119	47484	2029	2030	1	1	3	3	4	4	3	1	6	5	5	9	8	53
47484	47849	2030	2031	1	1	3	3	4	4	3	1	6	5	5	9	8	53
47849	48214	2031	2032	1	1	3	3	4	4	3	1	6	5	5	9	8	53
48214	48580	2032	2033	1	1	3	3	4	4	3	1	6	5	5	9	8	53
48580	48945	2033	2034	1	1	3	3	4	4	3	1	6	5	5	9	8	53
48945	49310	2034	2035	1	1	3	3	4	4	3	1	6	5	5	9	8	53
49310	49675	2035	2036	1	1	3	3	4	4	3	1	6	5	5	9	8	53
49675	50041	2036	2037	1	1	3	3	4	4	3	1	6	5	5	9	8	53
50041	50406	2037	2038	1	1	3	3	4	4	3	1	6	5	5	9	8	53
50406	50771	2038	2039	1	1	3	3	4	4	3	1	6	5	5	9	8	53
50771	51136	2039	2040	1	1	3	3	4	4	3	2	6	5	5	9	8	53
51136	51502	2040	2041	1	1	3	3	4	4	3	2	6	5	5	9	8	54
51502	51867	2041	2042	1	1	3	3	4	4	3	2	6	5	5	9	8	54
51867	52232	2042	2043	1	1	3	3	4	4	3	2	6	5	5	9	8	54
52232	52597	2043	2044	1	1	3	3	4	4	3	2	6	5	5	9	8	54
52597	52963	2044	2045	1	1	3	3	4	4	3	2	6	5	5	9	8	54
52963	53328	2045	2046	1	1	3	3	4	4	3	2	6	5	5	9	8	54
53328	53693	2046	2047	1	1	3	3	4	4	3	2	6	5	5	9	8	54
53693	54058	2047	2048	1	1	3	3	4	4	3	2	6	5	5	9	8	54
54058	54424	2048	2049	1	1	3	3	4	4	3	2	6	5	5	9	8	54
54424	54789	2049	2050	1	1	3	3	4	4	3	2	6	5	5	9	8	54
54789	55154	2050	2051	1	1	3	3	4	4	3	2	6	5	5	9	8	54
55154	55519	2051	2052	1	1	3	3	4	4	3	2	6	5	5	9	8	54
55519	55885	2052	2053	1	1	3	3	4	4	3	2	6	5	5	9	8	54
55885	56250	2053	2054	1	1	3	3	4	4	3	2	6	5	5	9	8	54
56250	56615	2054	2055	1	1	3	3	4	4	3	2	6	5	5	9	8	54
56615	56980	2055	2056	1	1	3	3	4	4	3	2	6	5	5	9	8	54
56980	57346	2056	2057	1	1	3	3	4	4	3	2	6	5	5	9	8	54
57346	57711	2057	2058	1	1	3	3	4	4	3	2	6	5	5	9	8	54
57711	58076	2058	2059	1	1	3	3	4	4	3	2	6	5	5	9	8	54
58076	58441	2059	2060	1	1	3	3	4	4	3	2	6	5	5	9	8	54
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	1	1	3	3	4	4	3	2	6	5	5	9	8	54
58807	59172	2061	2062	1	1	3	3	4	4	3	2	6	5	5	9	8	54
59172	59537	2062	2063	1	1	3	3	4	4	3	2	6	5	5	9	8	54
59537	59902	2063	2064	1	1	3	3	4	4	3	2	6	5	5	9	8	54
59902	60268	2064	2065	1	1	3	3	4	4	3	2	6	5	5	9	8	54
60268	60633	2065	2066	1	1	3	3	4	4	3	2	6	5	5	9	8	54
60633	60998	2066	2067	1	1	3	3	4	4	3	2	6	5	5	9	8	54
60998	61363	2067	2068	1	1	3	3	4	4	3	2	6	5	5	9	8	54
61363	61729	2068	2069	1	1	3	3	4	4	3	2	6	5	5	9	8	54
61729	62094	2069	2070	1	1	3	3	4	4	3	2	6	5	5	9	8	54
62094	62459	2070	2071	1	1	3	3	4	4	3	2	6	5	5	9	8	54
62459	62824	2071	2072	1	1	3	3	4	4	3	2	6	5	5	9	8	54
62824	63190	2072	2073	1	1	3	3	4	4	3	2	6	5	5	9	8	54
63190	63555	2073	2074	1	1	3	3	4	4	3	2	6	5	5	9	8	54
63555	63920	2074	2075	1	1	3	3	4	4	3	2	6	5	5	9	8	54
63920	64285	2075	2076	1	1	3	3	4	4	3	2	6	5	5	9	8	54
64285	64651	2076	2077	1	1	3	3	4	4	3	2	6	5	5	9	8	54
64651	65016	2077	2078	1	1	3	3	4	4	3	2	6	5	5	9	8	54
65016	65381	2078	2079	1	1	3	3	4	4	3	2	6	5	5	9	8	54
65381	65746	2079	2080	1	1	3	3	4	4	3	2	6	5	5	9	8	54
65746	66112	2080	2081	1	1	3	3	4	4	3	2	6	5	5	9	8	54
66112	66477	2081	2082	1	1	3	3	4	4	3	2	6	5	5	9	8	54
66477	66842	2082	2083	1	1	3	3	4	4	3	2	6	5	5	9	8	54
66842	67207	2083	2084	1	1	3	3	4	4	3	2	6	5	5	9	8	54
67207	67573	2084	2085	1	1	3	3	4	4	3	2	6	5	5	9	8	54
67573	67938	2085	2086	1	1	3	3	4	4	3	2	6	5	5	9	8	54
67938	68303	2086	2087	1	1	3	3	4	4	3	2	6	5	5	9	8	54
68303	68668	2087	2088	1	1	3	3	4	4	3	2	6	5	5	9	8	54
68668	69034	2088	2089	1	1	3	3	4	4	3	2	6	5	5	9	8	54
69034	69399	2089	2090	1	1	3	3	4	4	3	2	6	5	5	9	8	54
69399	69764	2090	2091	1	1	3	3	4	4	3	2	6	5	5	9	8	54
69764	70129	2091	2092	1	1	3	3	4	4	3	2	6	5	5	9	8	54
70129	70495	2092	2093	1	1	3	3	4	4	3	2	6	5	5	9	8	55
70495	70860	2093	2094	1	1	3	3	4	4	3	2	6	5	5	9	8	55
70860	71225	2094	2095	1	1	3	3	4	4	3	2	6	5	5	9	8	55
71225	71590	2095	2096	1	1	3	3	4	4	3	2	6	5	5	9	8	55
71590	71956	2096	2097	1	1	3	3	4	4	3	2	6	5	6	9	8	55
71956	72321	2097	2098	1	1	3	3	4	4	3	2	6	5	6	9	8	55
72321	72686	2098	2099	1	1	3	3	4	4	3	2	6	5	6	9	8	55
72686	73051	2099	2100	1	1	3	3	4	4	3	2	6	5	6	9	8	55
73051	73416	2100	2101	1	1	3	3	4	4	3	2	6	5	6	9	8	55
73416	73781	2101	2102	1	1	3	3	4	4	3	2	6	5	6	9	8	55
73781	74146	2102	2103	1	1	3	3	4	4	3	2	6	5	6	9	8	55
74146	74511	2103	2104	1	1	3	3	4	4	3	2	6	5	6	9	8	55
74511	74877	2104	2105	1	1	3	3	4	4	3	2	6	5	6	9	8	55
74877	75242	2105	2106	1	1	3	3	4	4	3	2	6	5	6	9	8	55
75242	75607	2106	2107	1	1	3	3	4	4	3	2	6	5	6	9	8	55
75607	75972	2107	2108	1	1	3	3	4	4	3	2	6	5	6	9	8	55
75972	76338	2108	2109	1	1	3	3	4	4	3	2	6	5	6	9	8	55
76338	76703	2109	2110	1	1	3	3	4	4	3	2	6	5	6	9	8	55
76703	77068	2110	2111	1	1	3	3	4	4	3	2	6	5	6	9	8	55
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(ii)) (Part 3/3)



B-4b (S8a(ii)). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8a(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2300
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2799
35247	35431	1996.5	1997	156	115	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	156	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	156	116	234	238	244	213	115	35	168	100	158	566	494	2838
35796	35977	1998	1998.5	156	117	235	238	245	215	117	35	170	101	158	566	495	2849
35977	36161	1998.5	1999	156	118	236	238	245	216	119	36	172	102	159	566	495	2858
36161	36342	1999	1999.5	150	118	236	238	246	218	120	36	175	103	159	566	496	2860
36342	36526	1999.5	2000	146	119	237	238	246	219	121	36	177	103	159	566	496	2864
36526	36708	2000	2000.5	137	118	235	235	243	218	118	33	170	103	159	566	480	2815
36708	36892	2000.5	2001	130	116	233	233	241	217	115	31	169	103	159	566	472	2785
36892	37073	2001	2001.5	118	65	203	223	225	210	113	30	168	102	158	566	447	2629
37073	37257	2001.5	2002	107	47	180	208	214	202	111	28	168	102	158	565	428	2519
37257	37438	2002	2002.5	99	39	165	196	206	194	108	27	167	102	157	565	414	2440
37438	37622	2002.5	2003	94	33	154	185	199	187	106	26	167	102	157	565	402	2377
37622	37803	2003	2003.5	90	29	146	177	193	182	103	26	166	102	156	564	392	2326
37803	37987	2003.5	2004	87	26	138	170	188	177	101	25	166	101	156	564	384	2283
37987	38169	2004	2004.5	85	24	133	164	184	172	100	25	165	101	156	564	378	2249
38169	38353	2004.5	2005	83	22	129	159	180	168	98	24	165	101	155	564	372	2220
38353	38534	2005	2005.5	82	22	125	155	176	165	98	25	170	103	155	564	370	2210
38534	38718	2005.5	2006	82	22	123	151	174	163	98	27	171	104	156	564	368	2202
38718	38899	2006	2006.5	82	22	121	148	171	162	98	28	172	106	156	565	366	2197
38899	39083	2006.5	2007	83	22	119	146	169	161	99	29	173	107	157	565	364	2193
39083	39264	2007	2007.5	83	22	119	144	168	161	101	30	174	108	157	566	362	2194
39264	39448	2007.5	2008	83	23	119	143	166	162	103	31	176	109	158	566	361	2201
39448	39630	2008	2008.5	78	24	120	143	165	163	104	32	176	110	159	566	360	2200
39630	39814	2008.5	2009	75	24	121	142	164	163	105	33	177	112	160	567	358	2201
39814	39995	2009	2009.5	73	25	121	141	163	164	106	34	178	112	160	567	357	2202
39995	40179	2009.5	2010	72	26	121	140	162	164	106	35	178	113	161	567	356	2203

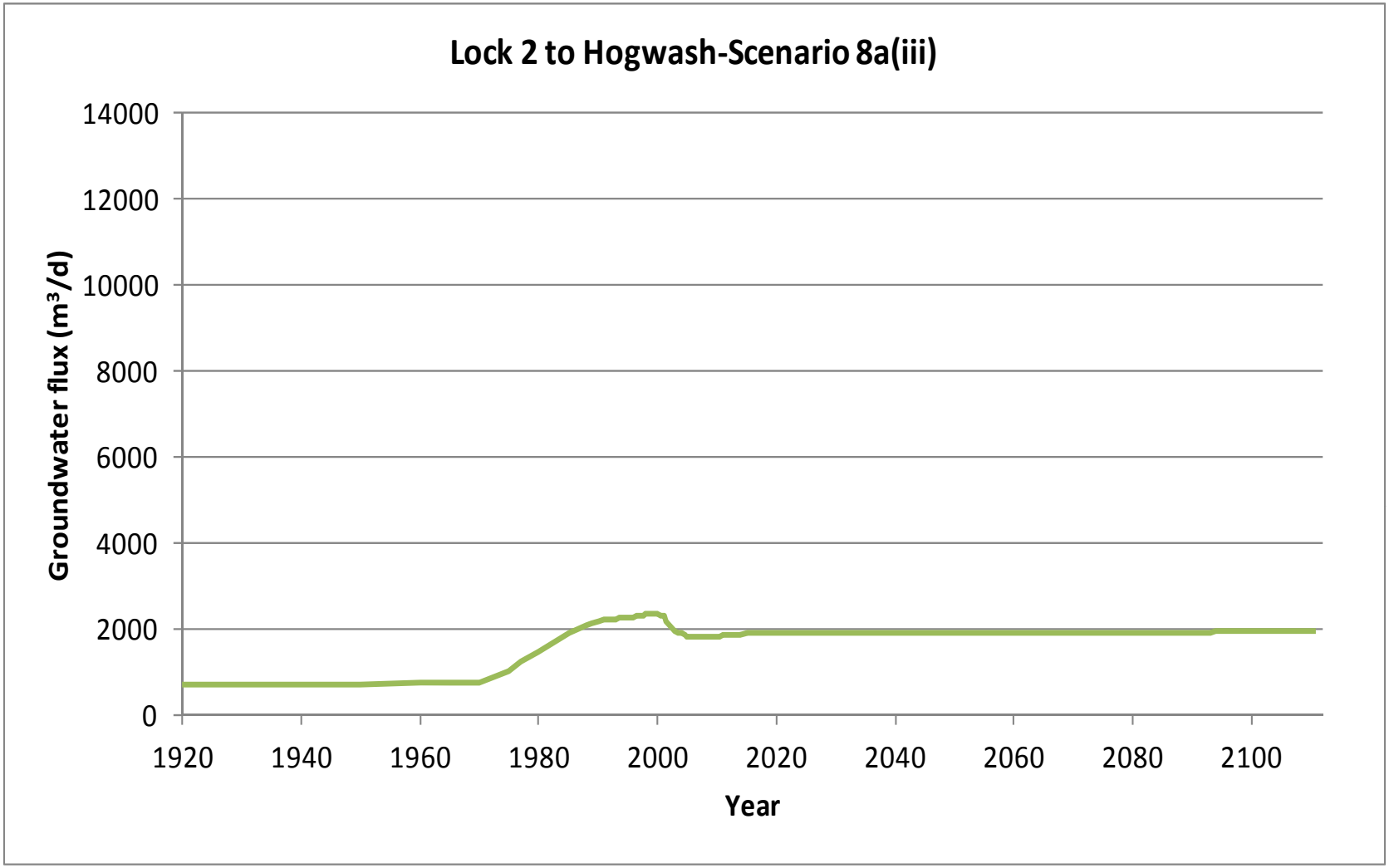
B-4a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	72	27	121	140	161	164	107	36	179	114	162	567	354	2204
40360	40544	2010.5	2011	71	27	122	139	160	164	108	37	179	115	162	567	353	2205
40544	40909	2011	2012	72	28	121	137	158	164	109	39	180	116	163	568	351	2206
40909	41275	2012	2013	72	29	121	136	156	163	110	41	181	118	164	568	349	2207
41275	41640	2013	2014	72	29	120	134	154	162	111	50	190	132	169	568	347	2239
41640	42005	2014	2015	72	29	120	133	152	161	112	53	194	138	174	569	345	2252
42005	42370	2015	2016	72	30	119	131	150	160	113	55	196	141	177	570	344	2258
42370	42736	2016	2017	73	30	118	130	148	159	113	57	198	143	179	570	342	2260
42736	43101	2017	2018	73	30	117	128	147	158	113	58	199	145	180	571	340	2260
43101	43466	2018	2019	73	30	117	127	145	157	114	59	200	146	181	571	339	2259
43466	43831	2019	2020	73	30	116	126	144	156	114	60	200	147	182	571	338	2258
43831	44197	2020	2021	73	30	115	125	143	155	114	61	201	148	183	572	337	2256
44197	44562	2021	2022	73	29	114	124	142	154	114	62	201	149	184	572	336	2254
44562	44927	2022	2023	73	29	114	124	141	154	114	62	201	150	185	572	335	2253
44927	45292	2023	2024	73	29	113	123	140	153	114	63	201	150	185	572	334	2251
45292	45658	2024	2025	73	29	113	122	140	153	114	64	201	151	186	572	333	2250
45658	46023	2025	2026	73	29	112	122	139	152	114	64	201	151	186	572	332	2248
46023	46388	2026	2027	73	29	112	121	139	152	113	64	201	151	187	573	332	2247
46388	46753	2027	2028	73	29	112	121	138	151	113	65	201	152	187	573	331	2246
46753	47119	2028	2029	73	29	111	120	138	151	113	65	202	152	188	573	331	2245
47119	47484	2029	2030	73	29	111	120	137	151	113	65	202	152	188	573	330	2244
47484	47849	2030	2031	73	29	111	120	137	150	113	66	202	153	188	573	330	2243
47849	48214	2031	2032	73	29	111	120	137	150	113	66	202	153	188	573	329	2243
48214	48580	2032	2033	73	29	111	119	136	150	113	66	202	153	189	573	329	2242
48580	48945	2033	2034	73	29	110	119	136	150	113	66	202	153	189	573	329	2242
48945	49310	2034	2035	73	29	110	119	136	150	113	66	202	153	189	573	329	2242
49310	49675	2035	2036	72	29	110	119	136	149	113	67	202	154	189	573	328	2241
49675	50041	2036	2037	72	28	110	119	136	149	113	67	202	154	190	573	328	2241
50041	50406	2037	2038	72	28	110	119	136	149	113	67	202	154	190	574	328	2241
50406	50771	2038	2039	72	28	110	119	135	149	113	67	202	154	190	574	328	2241
50771	51136	2039	2040	72	28	110	118	135	149	113	67	202	154	190	574	328	2242
51136	51502	2040	2041	72	28	110	118	135	149	113	67	202	154	190	574	328	2242
51502	51867	2041	2042	72	28	110	118	135	149	113	67	202	154	191	574	328	2242
51867	52232	2042	2043	72	28	110	118	135	149	113	68	202	155	191	574	328	2242
52232	52597	2043	2044	72	28	110	118	135	149	113	68	202	155	191	574	328	2243
52597	52963	2044	2045	72	28	110	118	135	149	113	68	202	155	191	574	328	2243
52963	53328	2045	2046	72	28	110	118	135	149	113	68	202	155	191	574	328	2244
53328	53693	2046	2047	72	28	110	118	135	149	113	68	202	155	191	574	328	2244
53693	54058	2047	2048	73	29	110	118	135	149	113	68	202	155	192	574	328	2245
54058	54424	2048	2049	73	29	110	118	135	149	113	68	202	155	192	574	328	2245
54424	54789	2049	2050	73	29	110	118	135	149	113	68	202	155	192	574	328	2246
54789	55154	2050	2051	73	29	110	118	135	149	113	68	202	155	192	574	328	2246
55154	55519	2051	2052	73	29	110	119	135	149	113	68	202	155	192	574	328	2247
55519	55885	2052	2053	73	29	110	119	135	149	113	68	202	156	192	574	328	2247
55885	56250	2053	2054	73	29	110	119	135	149	113	68	202	156	192	574	328	2248
56250	56615	2054	2055	73	29	110	119	135	149	113	68	202	156	192	574	328	2249
56615	56980	2055	2056	73	29	110	119	135	149	113	68	202	156	192	574	328	2249
56980	57346	2056	2057	73	29	110	119	135	149	113	69	202	156	193	574	328	2250
57346	57711	2057	2058	73	29	110	119	135	149	114	69	202	156	193	574	328	2251
57711	58076	2058	2059	73	29	110	119	135	149	114	69	202	156	193	575	328	2251
58076	58441	2059	2060	73	29	111	119	136	149	114	69	202	156	193	575	328	2252

B-4a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	73	29	111	119	136	149	114	69	202	156	193	575	328	2253
58807	59172	2061	2062	73	29	111	119	136	149	114	69	202	156	193	575	328	2253
59172	59537	2062	2063	73	29	111	119	136	149	114	69	202	156	193	575	328	2254
59537	59902	2063	2064	73	29	111	119	136	150	114	69	202	156	193	575	329	2255
59902	60268	2064	2065	73	29	111	119	136	150	114	69	202	156	193	575	329	2255
60268	60633	2065	2066	73	29	111	119	136	150	114	69	202	156	193	575	329	2256
60633	60998	2066	2067	73	29	111	119	136	150	114	69	202	156	193	575	329	2257
60998	61363	2067	2068	73	29	111	119	136	150	114	69	203	156	194	575	329	2257
61363	61729	2068	2069	73	29	111	120	136	150	114	69	203	157	194	575	329	2258
61729	62094	2069	2070	73	29	111	120	136	150	114	69	203	157	194	575	329	2259
62094	62459	2070	2071	73	29	111	120	136	150	114	69	203	157	194	575	329	2259
62459	62824	2071	2072	73	29	111	120	136	150	114	69	203	157	194	575	329	2260
62824	63190	2072	2073	73	29	112	120	136	150	114	69	203	157	194	575	329	2260
63190	63555	2073	2074	73	29	112	120	136	150	114	69	203	157	194	575	329	2261
63555	63920	2074	2075	73	29	112	120	136	150	114	69	203	157	194	575	329	2262
63920	64285	2075	2076	73	29	112	120	136	150	114	69	203	157	194	575	329	2262
64285	64651	2076	2077	73	29	112	120	136	150	114	69	203	157	194	575	330	2263
64651	65016	2077	2078	73	29	112	120	136	150	114	69	203	157	194	575	330	2263
65016	65381	2078	2079	73	29	112	120	137	150	114	69	203	157	194	575	330	2264
65381	65746	2079	2080	73	30	112	120	137	150	114	69	203	157	194	575	330	2264
65746	66112	2080	2081	73	30	112	120	137	150	114	69	203	157	194	575	330	2265
66112	66477	2081	2082	73	30	112	120	137	150	114	69	203	157	194	575	330	2266
66477	66842	2082	2083	73	30	112	120	137	151	114	69	203	157	194	575	330	2266
66842	67207	2083	2084	74	30	112	120	137	151	114	69	203	157	194	575	330	2267
67207	67573	2084	2085	74	30	112	121	137	151	114	69	203	157	194	575	330	2267
67573	67938	2085	2086	74	30	112	121	137	151	114	69	203	157	195	575	330	2268
67938	68303	2086	2087	74	30	112	121	137	151	114	69	203	157	195	575	330	2268
68303	68668	2087	2088	74	30	113	121	137	151	114	69	203	157	195	575	330	2269
68668	69034	2088	2089	74	30	113	121	137	151	114	69	203	157	195	575	330	2269
69034	69399	2089	2090	74	30	113	121	137	151	114	69	203	157	195	575	330	2270
69399	69764	2090	2091	74	30	113	121	137	151	114	69	203	157	195	575	331	2270
69764	70129	2091	2092	74	30	113	121	137	151	115	69	203	157	195	575	331	2270
70129	70495	2092	2093	74	30	113	121	137	151	115	69	203	157	195	575	331	2271
70495	70860	2093	2094	74	30	113	121	137	151	115	69	203	157	195	575	331	2271
70860	71225	2094	2095	74	30	113	121	137	151	115	69	203	157	195	575	331	2272
71225	71590	2095	2096	74	30	113	121	137	151	115	70	203	157	195	575	331	2272
71590	71956	2096	2097	74	30	113	121	137	151	115	70	203	158	195	575	331	2273
71956	72321	2097	2098	74	30	113	121	137	151	115	70	203	158	195	575	331	2273
72321	72686	2098	2099	74	30	113	121	137	151	115	70	203	158	195	575	331	2273
72686	73051	2099	2100	74	30	113	121	137	151	115	70	203	158	195	575	331	2274
73051	73416	2100	2101	74	30	113	121	137	151	115	70	203	158	195	576	331	2274
73416	73781	2101	2102	74	30	113	121	137	151	115	70	203	158	195	576	331	2275
73781	74146	2102	2103	74	30	113	121	138	151	115	70	203	158	195	576	331	2275
74146	74511	2103	2104	74	30	113	121	138	151	115	70	203	158	195	576	331	2275
74511	74877	2104	2105	74	30	113	122	138	151	115	70	203	158	195	576	331	2276
74877	75242	2105	2106	74	30	113	122	138	151	115	70	203	158	195	576	331	2276
75242	75607	2106	2107	74	30	114	122	138	151	115	70	203	158	195	576	331	2276
75607	75972	2107	2108	74	30	114	122	138	152	115	70	203	158	195	576	332	2277
75972	76338	2108	2109	74	30	114	122	138	152	115	70	203	158	195	576	332	2277
76338	76703	2109	2110	74	30	114	122	138	152	115	70	204	158	195	576	332	2277
76703	77068	2110	2111	74	30	114	122	138	152	115	70	204	158	195	576	332	2278

B-4a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iii)) (Part 3/3)



B-4a (S8a(iii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8a(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	2	5	6	6	6	2	1	5	3	4	9	11	61
37073	37257	2001.5	2002	1	1	5	6	6	5	2	1	5	3	4	9	10	58
37257	37438	2002	2002.5	1	1	4	5	5	5	2	1	5	3	4	9	10	56
37438	37622	2002.5	2003	1	1	4	5	5	5	2	1	5	3	4	9	10	55
37622	37803	2003	2003.5	1	1	4	5	5	5	2	1	5	3	4	9	9	54
37803	37987	2003.5	2004	1	1	4	5	5	5	2	1	5	3	4	9	9	53
37987	38169	2004	2004.5	1	1	4	4	5	5	2	1	5	3	4	9	9	52
38169	38353	2004.5	2005	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38353	38534	2005	2005.5	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38534	38718	2005.5	2006	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38718	38899	2006	2006.5	1	1	3	4	5	4	2	1	5	3	4	9	9	50
38899	39083	2006.5	2007	1	1	3	4	5	4	2	1	5	3	4	9	9	50
39083	39264	2007	2007.5	1	1	3	4	4	4	2	1	5	3	4	9	9	50
39264	39448	2007.5	2008	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39448	39630	2008	2008.5	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39630	39814	2008.5	2009	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39814	39995	2009	2009.5	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39995	40179	2009.5	2010	1	1	3	4	4	4	2	1	5	4	5	9	9	51
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

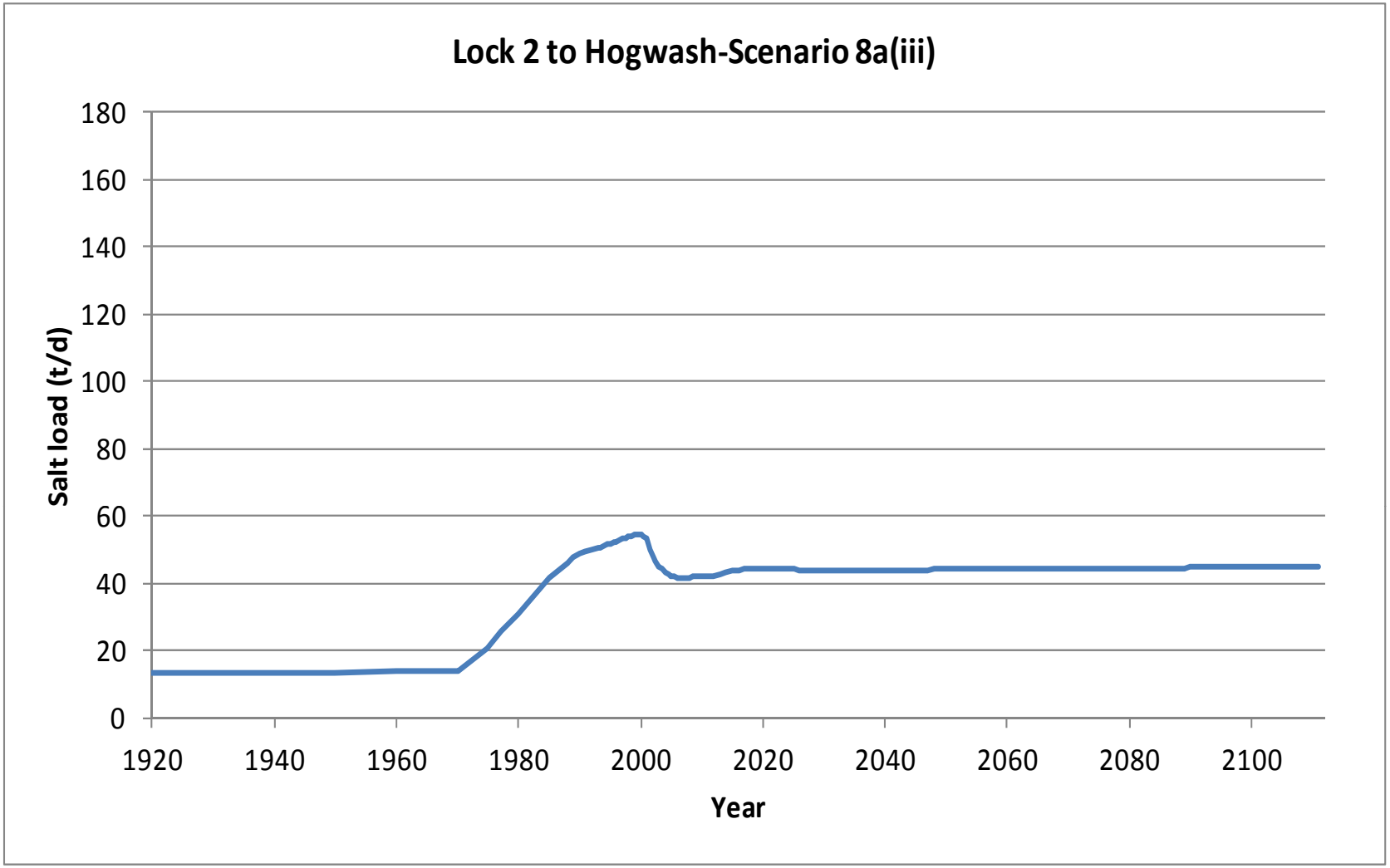
B-4b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	1	1	3	4	4	4	2	1	5	4	5	9	9	51
40360	40544	2010.5	2011	1	1	3	4	4	4	2	1	5	4	5	9	8	51
40544	40909	2011	2012	1	1	3	4	4	4	2	1	5	4	5	9	8	51
40909	41275	2012	2013	1	1	3	4	4	4	2	1	5	4	5	9	8	51
41275	41640	2013	2014	1	1	3	4	4	4	2	1	6	4	5	9	8	52
41640	42005	2014	2015	1	1	3	4	4	4	2	1	6	4	5	9	8	52
42005	42370	2015	2016	1	1	3	3	4	4	2	1	6	5	5	9	8	52
42370	42736	2016	2017	1	1	3	3	4	4	2	1	6	5	5	9	8	52
42736	43101	2017	2018	1	1	3	3	4	4	2	1	6	5	5	9	8	52
43101	43466	2018	2019	1	1	3	3	4	4	2	1	6	5	5	9	8	52
43466	43831	2019	2020	1	1	3	3	4	4	3	1	6	5	5	9	8	52
43831	44197	2020	2021	1	1	3	3	4	4	3	1	6	5	5	9	8	52
44197	44562	2021	2022	1	1	3	3	4	4	3	1	6	5	5	9	8	52
44562	44927	2022	2023	1	1	3	3	4	4	3	1	6	5	5	9	8	52
44927	45292	2023	2024	1	1	3	3	4	4	2	1	6	5	5	9	8	52
45292	45658	2024	2025	1	1	3	3	4	4	2	1	6	5	5	9	8	52
45658	46023	2025	2026	1	1	3	3	4	4	2	1	6	5	5	9	8	52
46023	46388	2026	2027	1	1	3	3	4	4	2	1	6	5	5	9	8	52
46388	46753	2027	2028	1	1	3	3	4	4	2	1	6	5	5	9	8	52
46753	47119	2028	2029	1	1	3	3	4	4	2	1	6	5	5	9	8	52
47119	47484	2029	2030	1	1	3	3	4	4	2	1	6	5	5	9	8	52
47484	47849	2030	2031	1	1	3	3	4	4	2	1	6	5	5	9	8	52
47849	48214	2031	2032	1	1	3	3	4	4	2	1	6	5	5	9	8	52
48214	48580	2032	2033	1	1	3	3	4	4	2	1	6	5	5	9	8	52
48580	48945	2033	2034	1	1	3	3	4	4	2	1	6	5	5	9	8	52
48945	49310	2034	2035	1	1	3	3	4	4	2	1	6	5	5	9	8	52
49310	49675	2035	2036	1	1	3	3	4	4	2	1	6	5	5	9	8	52
49675	50041	2036	2037	1	1	3	3	4	4	2	1	6	5	5	9	8	52
50041	50406	2037	2038	1	1	3	3	4	4	2	1	6	5	5	9	8	52
50406	50771	2038	2039	1	1	3	3	4	4	2	1	6	5	5	9	8	52
50771	51136	2039	2040	1	1	3	3	4	4	2	1	6	5	5	9	8	52
51136	51502	2040	2041	1	1	3	3	4	4	2	1	6	5	5	9	8	52
51502	51867	2041	2042	1	1	3	3	4	4	2	1	6	5	5	9	8	52
51867	52232	2042	2043	1	1	3	3	4	4	2	1	6	5	5	9	8	52
52232	52597	2043	2044	1	1	3	3	4	4	2	1	6	5	5	9	8	52
52597	52963	2044	2045	1	1	3	3	4	4	2	1	6	5	5	9	8	52
52963	53328	2045	2046	1	1	3	3	4	4	2	1	6	5	5	9	8	52
53328	53693	2046	2047	1	1	3	3	4	4	2	1	6	5	5	9	8	52
53693	54058	2047	2048	1	1	3	3	4	4	2	1	6	5	5	9	8	52
54058	54424	2048	2049	1	1	3	3	4	4	2	1	6	5	5	9	8	52
54424	54789	2049	2050	1	1	3	3	4	4	2	1	6	5	5	9	8	52
54789	55154	2050	2051	1	1	3	3	4	4	2	2	6	5	5	9	8	52
55154	55519	2051	2052	1	1	3	3	4	4	2	2	6	5	5	9	8	52
55519	55885	2052	2053	1	1	3	3	4	4	2	2	6	5	5	9	8	52
55885	56250	2053	2054	1	1	3	3	4	4	2	2	6	5	5	9	8	52
56250	56615	2054	2055	1	1	3	3	4	4	2	2	6	5	5	9	8	52
56615	56980	2055	2056	1	1	3	3	4	4	2	2	6	5	5	9	8	52
56980	57346	2056	2057	1	1	3	3	4	4	2	2	6	5	5	9	8	52
57346	57711	2057	2058	1	1	3	3	4	4	2	2	6	5	5	9	8	52
57711	58076	2058	2059	1	1	3	3	4	4	2	2	6	5	5	9	8	52
58076	58441	2059	2060	1	1	3	3	4	4	2	2	6	5	5	9	8	52
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	1	1	3	3	4	4	2	2	6	5	5	9	8	52
58807	59172	2061	2062	1	1	3	3	4	4	3	2	6	5	5	9	8	52
59172	59537	2062	2063	1	1	3	3	4	4	3	2	6	5	5	9	8	52
59537	59902	2063	2064	1	1	3	3	4	4	3	2	6	5	5	9	8	52
59902	60268	2064	2065	1	1	3	3	4	4	3	2	6	5	5	9	8	52
60268	60633	2065	2066	1	1	3	3	4	4	3	2	6	5	5	9	8	52
60633	60998	2066	2067	1	1	3	3	4	4	3	2	6	5	5	9	8	52
60998	61363	2067	2068	1	1	3	3	4	4	3	2	6	5	5	9	8	52
61363	61729	2068	2069	1	1	3	3	4	4	3	2	6	5	5	9	8	52
61729	62094	2069	2070	1	1	3	3	4	4	3	2	6	5	5	9	8	52
62094	62459	2070	2071	1	1	3	3	4	4	3	2	6	5	5	9	8	52
62459	62824	2071	2072	1	1	3	3	4	4	3	2	6	5	5	9	8	52
62824	63190	2072	2073	1	1	3	3	4	4	3	2	6	5	5	9	8	52
63190	63555	2073	2074	1	1	3	3	4	4	3	2	6	5	5	9	8	52
63555	63920	2074	2075	1	1	3	3	4	4	3	2	6	5	5	9	8	52
63920	64285	2075	2076	1	1	3	3	4	4	3	2	6	5	5	9	8	52
64285	64651	2076	2077	1	1	3	3	4	4	3	2	6	5	5	9	8	52
64651	65016	2077	2078	1	1	3	3	4	4	3	2	6	5	5	9	8	52
65016	65381	2078	2079	1	1	3	3	4	4	3	2	6	5	5	9	8	53
65381	65746	2079	2080	1	1	3	3	4	4	3	2	6	5	5	9	8	53
65746	66112	2080	2081	1	1	3	3	4	4	3	2	6	5	5	9	8	53
66112	66477	2081	2082	1	1	3	3	4	4	3	2	6	5	5	9	8	53
66477	66842	2082	2083	1	1	3	3	4	4	3	2	6	5	5	9	8	53
66842	67207	2083	2084	1	1	3	3	4	4	3	2	6	5	5	9	8	53
67207	67573	2084	2085	1	1	3	3	4	4	3	2	6	5	5	9	8	53
67573	67938	2085	2086	1	1	3	3	4	4	3	2	6	5	5	9	8	53
67938	68303	2086	2087	1	1	3	3	4	4	3	2	6	5	5	9	8	53
68303	68668	2087	2088	1	1	3	3	4	4	3	2	6	5	5	9	8	53
68668	69034	2088	2089	1	1	3	3	4	4	3	2	6	5	5	9	8	53
69034	69399	2089	2090	1	1	3	3	4	4	3	2	6	5	5	9	8	53
69399	69764	2090	2091	1	1	3	3	4	4	3	2	6	5	5	9	8	53
69764	70129	2091	2092	1	1	3	3	4	4	3	2	6	5	5	9	8	53
70129	70495	2092	2093	1	1	3	3	4	4	3	2	6	5	5	9	8	53
70495	70860	2093	2094	1	1	3	3	4	4	3	2	6	5	5	9	8	53
70860	71225	2094	2095	1	1	3	3	4	4	3	2	6	5	5	9	8	53
71225	71590	2095	2096	1	1	3	3	4	4	3	2	6	5	5	9	8	53
71590	71956	2096	2097	1	1	3	3	4	4	3	2	6	5	5	9	8	53
71956	72321	2097	2098	1	1	3	3	4	4	3	2	6	5	5	9	8	53
72321	72686	2098	2099	1	1	3	3	4	4	3	2	6	5	5	9	8	53
72686	73051	2099	2100	1	1	3	3	4	4	3	2	6	5	5	9	8	53
73051	73416	2100	2101	1	1	3	3	4	4	3	2	6	5	5	9	8	53
73416	73781	2101	2102	1	1	3	3	4	4	3	2	6	5	5	9	8	53
73781	74146	2102	2103	1	1	3	3	4	4	3	2	6	5	5	9	8	53
74146	74511	2103	2104	1	1	3	3	4	4	3	2	6	5	5	9	8	53
74511	74877	2104	2105	1	1	3	3	4	4	3	2	6	5	5	9	8	53
74877	75242	2105	2106	1	1	3	3	4	4	3	2	6	5	5	9	8	53
75242	75607	2106	2107	1	1	3	3	4	4	3	2	6	5	5	9	8	53
75607	75972	2107	2108	1	1	3	3	4	4	3	2	6	5	5	9	8	53
75972	76338	2108	2109	1	1	3	3	4	4	3	2	6	5	5	9	8	53
76338	76703	2109	2110	1	1	3	3	4	4	3	2	6	5	5	9	8	53
76703	77068	2110	2111	1	1	3	3	4	4	3	2	6	5	5	9	8	53
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iii)) (Part 3/3)



B-4b (S8a(iii)). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2301
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2799
35247	35431	1996.5	1997	156	115	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	156	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	156	116	234	238	244	213	115	35	168	100	158	566	494	2838
35796	35977	1998	1998.5	156	117	235	238	245	215	117	35	170	101	158	566	495	2849
35977	36161	1998.5	1999	156	118	236	238	245	216	119	36	172	102	159	566	495	2858
36161	36342	1999	1999.5	150	118	236	238	246	218	120	36	175	103	159	566	496	2860
36342	36526	1999.5	2000	146	119	237	238	246	219	121	36	177	103	159	566	496	2864
36526	36708	2000	2000.5	137	118	235	235	243	218	118	33	170	103	159	566	480	2815
36708	36892	2000.5	2001	130	116	233	233	241	217	115	31	169	103	159	566	472	2785
36892	37073	2001	2001.5	118	65	203	223	225	210	113	30	168	102	158	566	447	2629
37073	37257	2001.5	2002	107	47	180	208	214	202	111	28	168	102	158	565	428	2519
37257	37438	2002	2002.5	99	39	165	196	206	194	108	27	167	102	157	565	414	2440
37438	37622	2002.5	2003	94	33	154	185	199	187	106	26	167	102	157	565	402	2377
37622	37803	2003	2003.5	90	29	146	177	193	182	103	26	166	102	156	564	392	2326
37803	37987	2003.5	2004	87	26	138	170	188	177	101	25	166	101	156	564	384	2283
37987	38169	2004	2004.5	85	24	133	164	184	172	100	25	165	101	156	564	378	2249
38169	38353	2004.5	2005	83	22	129	159	180	168	98	24	165	101	155	564	372	2220
38353	38534	2005	2005.5	82	22	125	155	176	165	98	25	170	103	155	564	370	2210
38534	38718	2005.5	2006	82	22	123	151	174	163	98	27	171	104	156	564	368	2202
38718	38899	2006	2006.5	82	22	121	148	171	162	98	28	172	106	156	565	366	2197
38899	39083	2006.5	2007	83	22	119	146	169	161	99	29	173	107	157	565	364	2193
39083	39264	2007	2007.5	83	22	119	144	168	161	101	30	174	108	157	566	362	2194
39264	39448	2007.5	2008	83	23	119	143	166	162	103	31	176	109	158	566	361	2201
39448	39630	2008	2008.5	78	24	120	143	165	163	104	32	176	110	159	566	360	2200
39630	39814	2008.5	2009	75	24	121	142	164	163	105	33	177	112	160	567	358	2201
39814	39995	2009	2009.5	38	12	65	81	87	96	84	33	164	71	106	545	325	1706
39995	40179	2009.5	2010	28	9	44	56	55	48	54	30	140	57	94	539	307	1461

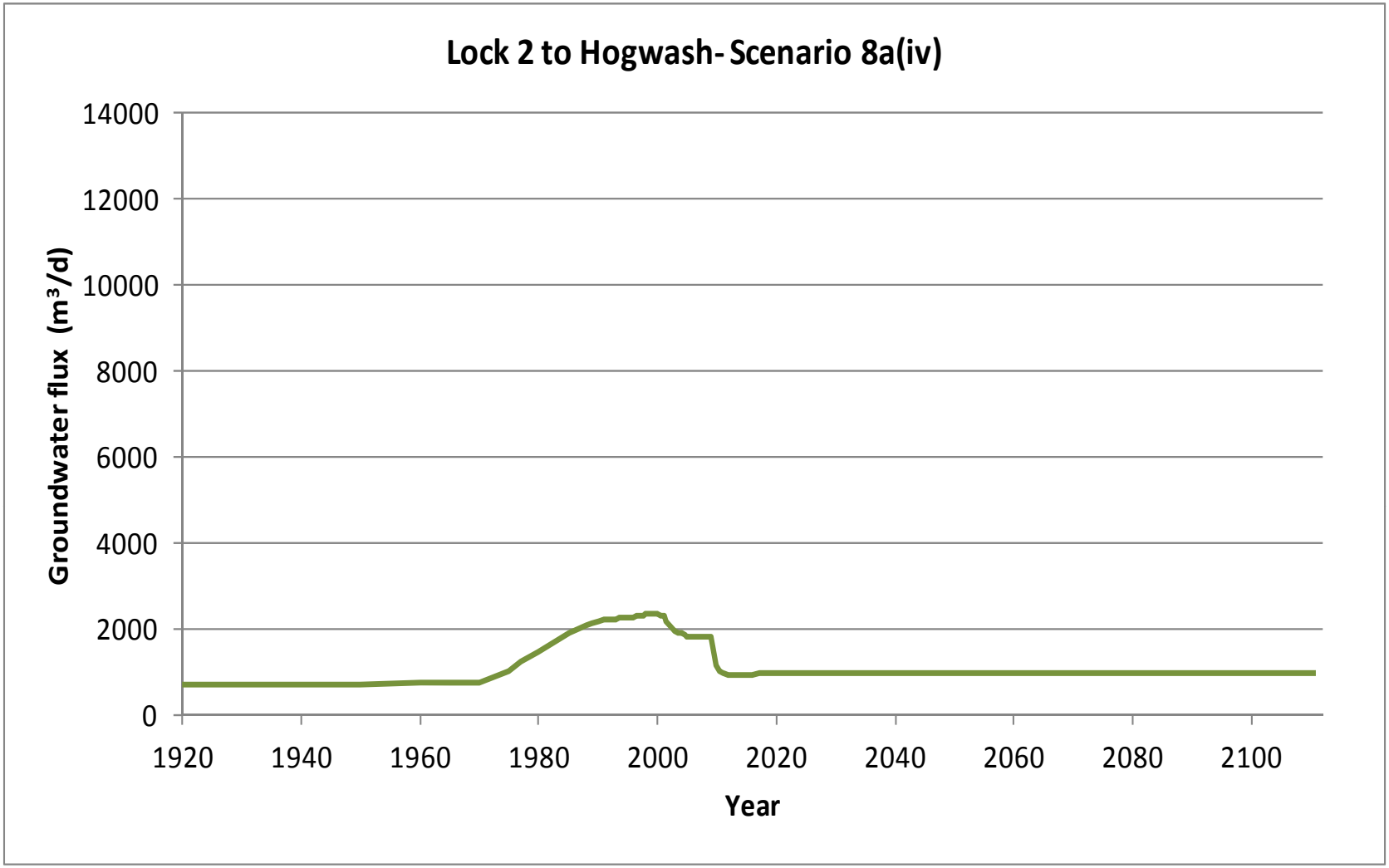
B-4a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	23	8	35	45	42	26	37	28	124	52	90	536	295	1341
40360	40544	2010.5	2011	21	7	31	39	35	15	28	27	114	49	88	535	287	1276
40544	40909	2011	2012	18	6	27	33	28	9	21	27	104	47	87	534	277	1217
40909	41275	2012	2013	17	6	24	29	25	8	18	28	99	46	87	534	270	1192
41275	41640	2013	2014	16	6	23	27	24	8	18	36	106	59	91	534	266	1212
41640	42005	2014	2015	16	5	22	26	23	7	18	39	108	63	94	534	262	1218
42005	42370	2015	2016	15	5	22	25	22	7	18	41	109	66	96	534	259	1220
42370	42736	2016	2017	15	5	21	24	21	7	18	42	110	67	98	534	257	1220
42736	43101	2017	2018	15	5	21	23	21	7	18	43	110	68	99	535	255	1220
43101	43466	2018	2019	15	5	20	22	20	7	18	44	111	69	99	535	254	1220
43466	43831	2019	2020	15	5	20	22	20	7	18	45	111	70	100	535	252	1220
43831	44197	2020	2021	15	5	20	21	20	7	18	46	111	70	101	535	251	1220
44197	44562	2021	2022	15	5	19	21	19	7	18	46	111	71	101	535	250	1220
44562	44927	2022	2023	15	5	19	21	19	7	19	47	111	71	102	535	249	1220
44927	45292	2023	2024	15	5	19	20	19	7	19	47	111	72	102	535	248	1220
45292	45658	2024	2025	15	5	19	20	19	7	19	48	111	72	103	535	247	1220
45658	46023	2025	2026	15	5	19	20	19	7	19	48	111	72	103	535	247	1220
46023	46388	2026	2027	15	5	19	20	19	7	19	48	111	73	103	535	246	1220
46388	46753	2027	2028	15	5	18	20	18	7	19	49	111	73	104	536	246	1220
46753	47119	2028	2029	15	5	18	20	18	7	19	49	111	73	104	536	245	1220
47119	47484	2029	2030	15	5	18	19	18	7	19	49	111	73	104	536	245	1220
47484	47849	2030	2031	15	5	18	19	18	7	19	50	111	73	104	536	244	1220
47849	48214	2031	2032	15	5	18	19	18	7	19	50	112	74	105	536	244	1220
48214	48580	2032	2033	15	5	18	19	18	7	19	50	112	74	105	536	244	1221
48580	48945	2033	2034	15	5	18	19	18	7	19	50	112	74	105	536	244	1221
48945	49310	2034	2035	15	5	18	19	18	7	19	50	112	74	105	536	243	1221
49310	49675	2035	2036	15	5	18	19	18	7	19	51	112	74	105	536	243	1221
49675	50041	2036	2037	15	5	18	19	18	7	19	51	112	74	106	536	243	1222
50041	50406	2037	2038	15	5	18	19	18	7	19	51	112	75	106	536	243	1222
50406	50771	2038	2039	15	5	18	19	18	7	19	51	112	75	106	536	243	1222
50771	51136	2039	2040	15	5	18	19	18	7	19	51	112	75	106	536	243	1222
51136	51502	2040	2041	15	5	18	19	18	7	19	51	112	75	106	536	242	1223
51502	51867	2041	2042	15	5	18	19	18	7	19	51	112	75	106	536	242	1223
51867	52232	2042	2043	15	5	18	19	18	7	19	51	112	75	106	536	242	1223
52232	52597	2043	2044	15	5	18	19	18	7	19	51	112	75	107	536	242	1224
52597	52963	2044	2045	15	5	18	19	18	7	19	52	112	75	107	536	242	1224
52963	53328	2045	2046	15	5	18	19	18	7	19	52	112	75	107	536	242	1224
53328	53693	2046	2047	15	5	18	19	18	7	19	52	112	75	107	536	242	1225
53693	54058	2047	2048	15	5	18	19	18	7	19	52	112	76	107	536	242	1225
54058	54424	2048	2049	15	5	18	19	18	7	19	52	112	76	107	537	242	1225
54424	54789	2049	2050	15	5	18	19	18	7	19	52	112	76	107	537	242	1226
54789	55154	2050	2051	15	5	18	19	18	7	19	52	112	76	107	537	242	1226
55154	55519	2051	2052	15	5	18	19	18	7	19	52	112	76	107	537	242	1226
55519	55885	2052	2053	15	5	18	19	18	7	19	52	112	76	108	537	242	1227
55885	56250	2053	2054	15	5	18	19	18	7	19	52	112	76	108	537	242	1227
56250	56615	2054	2055	15	5	18	19	18	7	20	52	112	76	108	537	242	1227
56615	56980	2055	2056	15	5	18	19	18	7	20	52	112	76	108	537	242	1228
56980	57346	2056	2057	15	5	18	19	18	7	20	52	112	76	108	537	242	1228
57346	57711	2057	2058	15	5	18	19	18	7	20	52	112	76	108	537	242	1228
57711	58076	2058	2059	15	5	18	19	18	7	20	52	112	76	108	537	242	1229
58076	58441	2059	2060	15	5	18	19	18	7	20	52	112	76	108	537	242	1229

B-4a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	15	5	18	19	18	7	20	52	112	76	108	537	242	1229
58807	59172	2061	2062	15	5	18	19	18	7	20	52	112	76	108	537	242	1229
59172	59537	2062	2063	15	5	18	19	18	7	20	52	112	76	108	537	242	1230
59537	59902	2063	2064	15	5	18	19	18	7	20	52	112	76	108	537	242	1230
59902	60268	2064	2065	15	5	18	19	18	7	20	52	112	76	108	537	242	1230
60268	60633	2065	2066	15	5	18	19	18	7	20	53	112	77	108	537	243	1231
60633	60998	2066	2067	15	5	18	19	18	7	20	53	112	77	108	537	243	1231
60998	61363	2067	2068	15	5	18	19	18	7	20	53	113	77	109	537	243	1231
61363	61729	2068	2069	15	5	18	19	18	7	20	53	113	77	109	537	243	1231
61729	62094	2069	2070	15	5	18	19	18	7	20	53	113	77	109	537	243	1232
62094	62459	2070	2071	15	5	18	19	18	7	20	53	113	77	109	537	243	1232
62459	62824	2071	2072	15	5	18	19	18	7	20	53	113	77	109	537	243	1232
62824	63190	2072	2073	15	5	18	19	18	7	20	53	113	77	109	537	243	1232
63190	63555	2073	2074	15	5	18	19	18	7	20	53	113	77	109	537	243	1233
63555	63920	2074	2075	15	5	18	19	18	7	20	53	113	77	109	537	243	1233
63920	64285	2075	2076	15	5	18	19	18	7	20	53	113	77	109	537	243	1233
64285	64651	2076	2077	15	5	18	19	18	7	20	53	113	77	109	537	243	1233
64651	65016	2077	2078	15	5	18	19	18	7	20	53	113	77	109	537	243	1234
65016	65381	2078	2079	15	5	18	19	18	7	20	53	113	77	109	537	243	1234
65381	65746	2079	2080	15	5	18	19	18	7	20	53	113	77	109	537	243	1234
65746	66112	2080	2081	15	5	18	19	18	7	20	53	113	77	109	537	243	1234
66112	66477	2081	2082	15	5	18	19	18	7	20	53	113	77	109	537	243	1234
66477	66842	2082	2083	15	5	18	19	18	7	20	53	113	77	109	537	243	1235
66842	67207	2083	2084	15	5	18	19	18	7	20	53	113	77	109	537	243	1235
67207	67573	2084	2085	15	5	18	19	18	7	20	53	113	77	109	537	243	1235
67573	67938	2085	2086	15	5	18	19	18	7	20	53	113	77	109	537	243	1235
67938	68303	2086	2087	15	5	18	19	18	7	20	53	113	77	109	537	243	1235
68303	68668	2087	2088	15	5	18	19	18	7	20	53	113	77	109	537	243	1236
68668	69034	2088	2089	15	5	18	19	18	7	20	53	113	77	109	537	243	1236
69034	69399	2089	2090	15	5	18	19	18	7	20	53	113	77	109	537	244	1236
69399	69764	2090	2091	15	5	18	19	18	7	20	53	113	77	110	537	244	1236
69764	70129	2091	2092	15	5	18	19	18	7	20	53	113	77	110	537	244	1236
70129	70495	2092	2093	15	5	18	19	18	7	20	53	113	77	110	537	244	1236
70495	70860	2093	2094	15	5	18	19	18	7	20	53	113	77	110	537	244	1237
70860	71225	2094	2095	15	5	18	19	18	7	20	53	113	77	110	537	244	1237
71225	71590	2095	2096	15	5	18	19	18	7	20	53	113	77	110	538	244	1237
71590	71956	2096	2097	15	5	18	19	18	7	20	53	113	77	110	538	244	1237
71956	72321	2097	2098	15	5	18	19	18	7	20	53	113	77	110	538	244	1237
72321	72686	2098	2099	15	5	18	19	18	7	20	53	113	77	110	538	244	1237
72686	73051	2099	2100	15	5	18	19	18	7	20	53	113	77	110	538	244	1238
73051	73416	2100	2101	15	5	18	20	18	7	20	53	113	77	110	538	244	1238
73416	73781	2101	2102	15	5	18	20	18	7	20	53	113	77	110	538	244	1238
73781	74146	2102	2103	15	5	19	20	18	7	20	53	113	77	110	538	244	1238
74146	74511	2103	2104	15	5	19	20	18	7	20	53	113	77	110	538	244	1238
74511	74877	2104	2105	15	5	19	20	18	7	20	53	113	77	110	538	244	1238
74877	75242	2105	2106	15	5	19	20	18	7	20	53	113	77	110	538	244	1238
75242	75607	2106	2107	15	5	19	20	18	7	20	53	113	78	110	538	244	1238
75607	75972	2107	2108	15	5	19	20	18	7	20	53	113	78	110	538	244	1239
75972	76338	2108	2109	15	5	19	20	18	7	20	53	113	78	110	538	244	1239
76338	76703	2109	2110	15	5	19	20	18	7	20	53	113	78	110	538	244	1239
76703	77068	2110	2111	15	5	19	20	18	7	20	53	113	78	110	538	244	1239

B-4a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iv)) (Part 3/3)



B-4a (S8(iv)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	2	5	6	6	6	2	1	5	3	4	9	11	61
37073	37257	2001.5	2002	1	1	5	6	6	5	2	1	5	3	4	9	10	58
37257	37438	2002	2002.5	1	1	4	5	5	5	2	1	5	3	4	9	10	56
37438	37622	2002.5	2003	1	1	4	5	5	5	2	1	5	3	4	9	10	55
37622	37803	2003	2003.5	1	1	4	5	5	5	2	1	5	3	4	9	9	54
37803	37987	2003.5	2004	1	1	4	5	5	5	2	1	5	3	4	9	9	53
37987	38169	2004	2004.5	1	1	4	4	5	5	2	1	5	3	4	9	9	52
38169	38353	2004.5	2005	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38353	38534	2005	2005.5	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38534	38718	2005.5	2006	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38718	38899	2006	2006.5	1	1	3	4	5	4	2	1	5	3	4	9	9	50
38899	39083	2006.5	2007	1	1	3	4	5	4	2	1	5	3	4	9	9	50
39083	39264	2007	2007.5	1	1	3	4	4	4	2	1	5	3	4	9	9	50
39264	39448	2007.5	2008	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39448	39630	2008	2008.5	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39630	39814	2008.5	2009	1	1	3	4	4	4	2	1	5	4	4	9	9	51
39814	39995	2009	2009.5	0	0	2	2	2	3	2	1	5	2	3	8	8	38
39995	40179	2009.5	2010	0	0	1	2	1	1	1	1	4	2	3	8	7	32
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

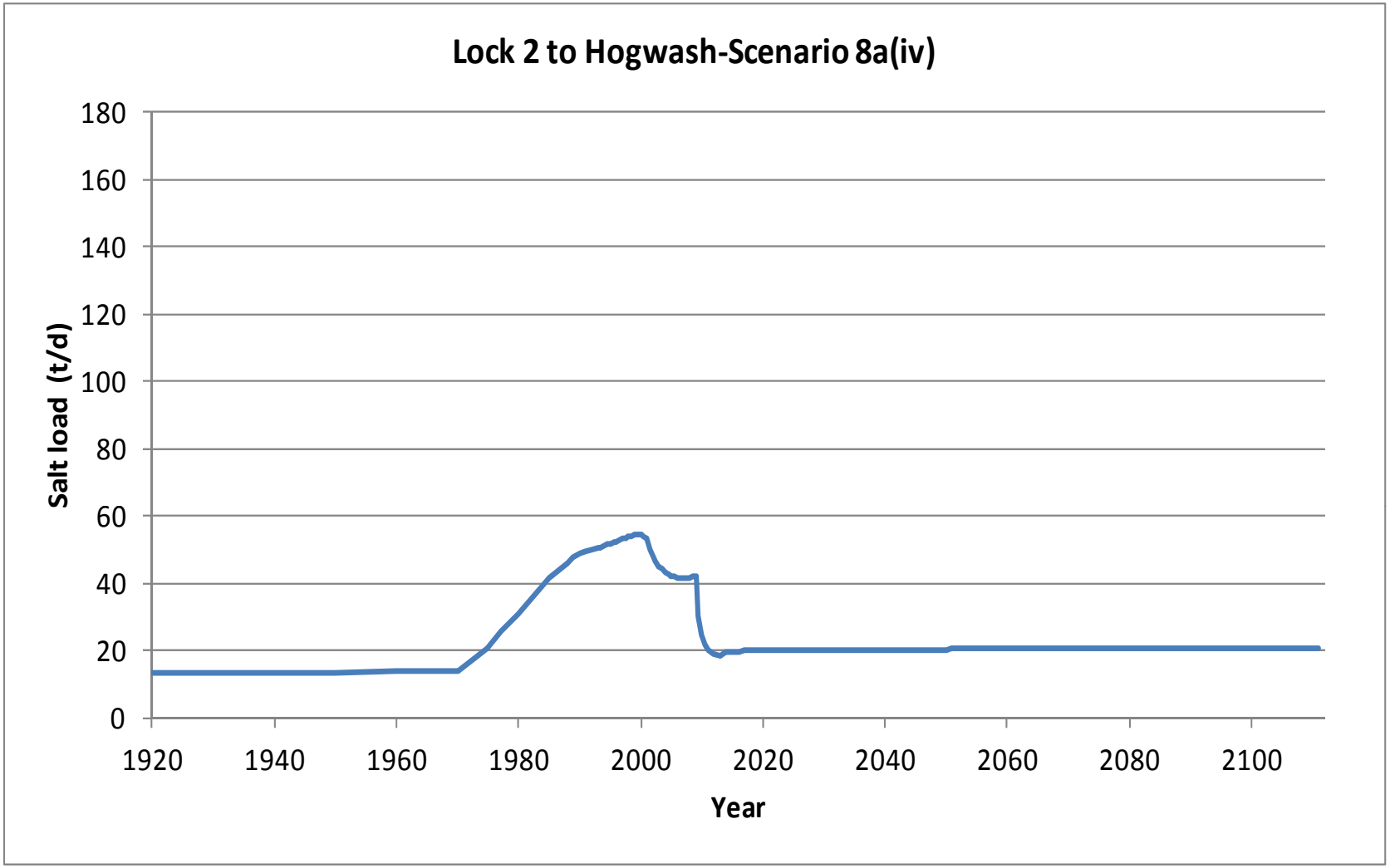
B-4b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	0	0	1	1	1	1	1	1	4	2	3	8	7	29
40360	40544	2010.5	2011	0	0	1	1	1	0	1	1	3	2	2	8	7	27
40544	40909	2011	2012	0	0	1	1	1	0	0	1	3	2	2	8	7	26
40909	41275	2012	2013	0	0	1	1	1	0	0	1	3	1	2	8	6	25
41275	41640	2013	2014	0	0	1	1	1	0	0	1	3	2	3	8	6	26
41640	42005	2014	2015	0	0	1	1	1	0	0	1	3	2	3	8	6	26
42005	42370	2015	2016	0	0	1	1	1	0	0	1	3	2	3	8	6	26
42370	42736	2016	2017	0	0	1	1	1	0	0	1	3	2	3	8	6	26
42736	43101	2017	2018	0	0	1	1	1	0	0	1	3	2	3	8	6	26
43101	43466	2018	2019	0	0	1	1	1	0	0	1	3	2	3	8	6	26
43466	43831	2019	2020	0	0	1	1	1	0	0	1	3	2	3	8	6	26
43831	44197	2020	2021	0	0	1	1	1	0	0	1	3	2	3	8	6	26
44197	44562	2021	2022	0	0	1	1	1	0	0	1	3	2	3	8	6	26
44562	44927	2022	2023	0	0	1	1	1	0	0	1	3	2	3	8	6	26
44927	45292	2023	2024	0	0	1	1	1	0	0	1	3	2	3	8	6	26
45292	45658	2024	2025	0	0	1	1	1	0	0	1	3	2	3	8	6	26
45658	46023	2025	2026	0	0	0	1	0	0	0	1	3	2	3	8	6	26
46023	46388	2026	2027	0	0	0	1	0	0	0	1	3	2	3	8	6	26
46388	46753	2027	2028	0	0	0	1	0	0	0	1	3	2	3	8	6	26
46753	47119	2028	2029	0	0	0	1	0	0	0	1	3	2	3	8	6	26
47119	47484	2029	2030	0	0	0	1	0	0	0	1	3	2	3	8	6	26
47484	47849	2030	2031	0	0	0	1	0	0	0	1	3	2	3	8	6	26
47849	48214	2031	2032	0	0	0	1	0	0	0	1	3	2	3	8	6	26
48214	48580	2032	2033	0	0	0	1	0	0	0	1	3	2	3	8	6	26
48580	48945	2033	2034	0	0	0	1	0	0	0	1	3	2	3	8	6	26
48945	49310	2034	2035	0	0	0	1	0	0	0	1	3	2	3	8	6	26
49310	49675	2035	2036	0	0	0	1	0	0	0	1	3	2	3	8	6	26
49675	50041	2036	2037	0	0	0	1	0	0	0	1	3	2	3	8	6	26
50041	50406	2037	2038	0	0	0	1	0	0	0	1	3	2	3	8	6	26
50406	50771	2038	2039	0	0	0	1	0	0	0	1	3	2	3	8	6	26
50771	51136	2039	2040	0	0	0	1	0	0	0	1	3	2	3	8	6	26
51136	51502	2040	2041	0	0	0	1	0	0	0	1	3	2	3	8	6	26
51502	51867	2041	2042	0	0	0	1	0	0	0	1	3	2	3	8	6	26
51867	52232	2042	2043	0	0	0	1	0	0	0	1	3	2	3	8	6	26
52232	52597	2043	2044	0	0	0	1	0	0	0	1	3	2	3	8	6	26
52597	52963	2044	2045	0	0	0	1	0	0	0	1	3	2	3	8	6	26
52963	53328	2045	2046	0	0	0	1	0	0	0	1	3	2	3	8	6	26
53328	53693	2046	2047	0	0	0	1	0	0	0	1	3	2	3	8	6	26
53693	54058	2047	2048	0	0	0	1	0	0	0	1	3	2	3	8	6	26
54058	54424	2048	2049	0	0	0	1	0	0	0	1	3	2	3	8	6	26
54424	54789	2049	2050	0	0	0	1	0	0	0	1	3	2	3	8	6	26
54789	55154	2050	2051	0	0	0	1	0	0	0	1	3	2	3	8	6	26
55154	55519	2051	2052	0	0	0	1	0	0	0	1	3	2	3	8	6	26
55519	55885	2052	2053	0	0	0	1	0	0	0	1	3	2	3	8	6	26
55885	56250	2053	2054	0	0	0	1	0	0	0	1	3	2	3	8	6	26
56250	56615	2054	2055	0	0	0	1	0	0	0	1	3	2	3	8	6	26
56615	56980	2055	2056	0	0	0	1	0	0	0	1	3	2	3	8	6	26
56980	57346	2056	2057	0	0	0	1	0	0	0	1	3	2	3	8	6	26
57346	57711	2057	2058	0	0	0	1	0	0	0	1	3	2	3	8	6	26
57711	58076	2058	2059	0	0	0	1	0	0	0	1	3	2	3	8	6	26
58076	58441	2059	2060	0	0	0	1	0	0	0	1	3	2	3	8	6	26
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	0	0	0	1	0	0	0	1	3	2	3	8	6	26
58807	59172	2061	2062	0	0	0	1	0	0	0	1	3	2	3	8	6	26
59172	59537	2062	2063	0	0	0	1	0	0	0	1	3	2	3	8	6	26
59537	59902	2063	2064	0	0	0	1	0	0	0	1	3	2	3	8	6	26
59902	60268	2064	2065	0	0	0	1	0	0	0	1	3	2	3	8	6	26
60268	60633	2065	2066	0	0	0	1	0	0	0	1	3	2	3	8	6	26
60633	60998	2066	2067	0	0	0	1	0	0	0	1	3	2	3	8	6	26
60998	61363	2067	2068	0	0	0	1	0	0	0	1	3	2	3	8	6	26
61363	61729	2068	2069	0	0	0	1	0	0	0	1	3	2	3	8	6	26
61729	62094	2069	2070	0	0	0	1	0	0	0	1	3	2	3	8	6	26
62094	62459	2070	2071	0	0	0	1	0	0	0	1	3	2	3	8	6	26
62459	62824	2071	2072	0	0	0	1	0	0	0	1	3	2	3	8	6	26
62824	63190	2072	2073	0	0	0	1	0	0	0	1	3	2	3	8	6	26
63190	63555	2073	2074	0	0	0	1	0	0	0	1	3	2	3	8	6	26
63555	63920	2074	2075	0	0	0	1	0	0	0	1	3	2	3	8	6	26
63920	64285	2075	2076	0	0	0	1	0	0	0	1	3	2	3	8	6	26
64285	64651	2076	2077	0	0	0	1	0	0	0	1	3	2	3	8	6	26
64651	65016	2077	2078	0	0	0	1	0	0	0	1	3	2	3	8	6	26
65016	65381	2078	2079	0	0	0	1	0	0	0	1	3	2	3	8	6	26
65381	65746	2079	2080	0	0	0	1	0	0	0	1	3	2	3	8	6	27
65746	66112	2080	2081	0	0	0	1	0	0	0	1	3	2	3	8	6	27
66112	66477	2081	2082	0	0	0	1	0	0	0	1	3	2	3	8	6	27
66477	66842	2082	2083	0	0	0	1	0	0	0	1	3	2	3	8	6	27
66842	67207	2083	2084	0	0	0	1	0	0	0	1	3	2	3	8	6	27
67207	67573	2084	2085	0	0	0	1	0	0	0	1	3	2	3	8	6	27
67573	67938	2085	2086	0	0	0	1	0	0	0	1	3	2	3	8	6	27
67938	68303	2086	2087	0	0	0	1	0	0	0	1	3	2	3	8	6	27
68303	68668	2087	2088	0	0	0	1	0	0	0	1	3	2	3	8	6	27
68668	69034	2088	2089	0	0	0	1	0	0	0	1	3	2	3	8	6	27
69034	69399	2089	2090	0	0	0	1	0	0	0	1	3	2	3	8	6	27
69399	69764	2090	2091	0	0	0	1	0	0	0	1	3	2	3	8	6	27
69764	70129	2091	2092	0	0	0	1	0	0	0	1	3	2	3	8	6	27
70129	70495	2092	2093	0	0	0	1	0	0	0	1	3	2	3	8	6	27
70495	70860	2093	2094	0	0	0	1	0	0	0	1	3	2	3	8	6	27
70860	71225	2094	2095	0	0	0	1	0	0	0	1	3	2	3	8	6	27
71225	71590	2095	2096	0	0	0	1	0	0	0	1	3	2	3	8	6	27
71590	71956	2096	2097	0	0	0	1	0	0	0	1	3	2	3	8	6	27
71956	72321	2097	2098	0	0	0	1	0	0	0	1	3	2	3	8	6	27
72321	72686	2098	2099	0	0	0	1	0	0	0	1	3	2	3	8	6	27
72686	73051	2099	2100	0	0	0	1	0	0	0	1	3	2	3	8	6	27
73051	73416	2100	2101	0	0	0	1	0	0	0	1	3	3	3	8	6	27
73416	73781	2101	2102	0	0	0	1	0	0	0	1	3	3	3	8	6	27
73781	74146	2102	2103	0	0	0	1	0	0	0	1	3	3	3	8	6	27
74146	74511	2103	2104	0	0	0	1	0	0	0	1	3	3	3	8	6	27
74511	74877	2104	2105	0	0	0	1	0	0	0	1	3	3	3	8	6	27
74877	75242	2105	2106	0	0	0	1	0	0	0	1	3	3	3	8	6	27
75242	75607	2106	2107	0	0	0	1	0	0	0	1	3	3	3	8	6	27
75607	75972	2107	2108	0	0	0	1	0	0	0	1	3	3	3	8	6	27
75972	76338	2108	2109	0	0	0	1	0	0	0	1	3	3	3	8	6	27
76338	76703	2109	2110	0	0	0	1	0	0	0	1	3	3	3	8	6	27
76703	77068	2110	2111	0	0	0	1	0	0	0	1	3	3	3	8	6	27
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8a(iv)) (Part 3/3)



B-4b (S8a(iv)). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8a(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2301
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2798
35247	35431	1996.5	1997	156	114	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	155	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	155	116	234	238	244	213	115	35	168	100	158	566	494	2837
35796	35977	1998	1998.5	155	117	235	238	245	215	117	35	170	101	158	566	495	2848
35977	36161	1998.5	1999	155	117	236	238	245	216	119	36	172	102	159	566	495	2857
36161	36342	1999	1999.5	149	118	236	238	246	218	120	36	175	103	159	566	495	2858
36342	36526	1999.5	2000	145	118	237	238	246	219	121	36	177	103	159	566	496	2861
36526	36708	2000	2000.5	135	118	235	235	243	218	118	33	170	103	159	566	479	2812
36708	36892	2000.5	2001	128	115	233	233	241	217	115	31	169	103	159	566	472	2781
36892	37073	2001	2001.5	122	113	230	231	239	215	114	30	168	102	158	566	467	2755
37073	37257	2001.5	2002	118	111	228	229	237	213	112	28	168	102	158	565	463	2732
37257	37438	2002	2002.5	115	109	225	227	236	211	111	27	168	102	157	565	459	2713
37438	37622	2002.5	2003	112	108	223	226	234	210	110	27	167	102	157	565	457	2696
37622	37803	2003	2003.5	110	106	221	224	233	208	109	26	167	102	156	564	454	2682
37803	37987	2003.5	2004	108	105	220	223	232	207	108	26	167	101	156	564	452	2669
37987	38169	2004	2004.5	106	104	218	221	231	206	108	25	167	101	156	564	451	2658
38169	38353	2004.5	2005	105	103	217	220	230	205	107	25	167	101	155	564	449	2648
38353	38534	2005	2005.5	104	102	215	219	229	204	107	24	167	101	155	564	448	2639
38534	38718	2005.5	2006	103	101	214	218	228	203	106	24	167	101	155	564	446	2631
38718	38899	2006	2006.5	102	100	213	217	227	203	106	24	167	101	155	564	445	2624
38899	39083	2006.5	2007	101	99	212	217	227	202	106	24	167	101	155	563	444	2617
39083	39264	2007	2007.5	100	99	212	216	226	201	105	24	167	101	154	563	443	2611
39264	39448	2007.5	2008	100	98	211	215	226	201	105	23	166	101	154	563	442	2606
39448	39630	2008	2008.5	93	98	210	215	225	200	105	23	166	101	154	563	441	2595
39630	39814	2008.5	2009	89	97	209	214	225	200	105	23	166	101	154	563	440	2585
39814	39995	2009	2009.5	85	96	209	214	224	199	104	23	166	101	154	563	439	2578
39995	40179	2009.5	2010	83	96	208	213	224	199	104	23	166	101	154	563	439	2571

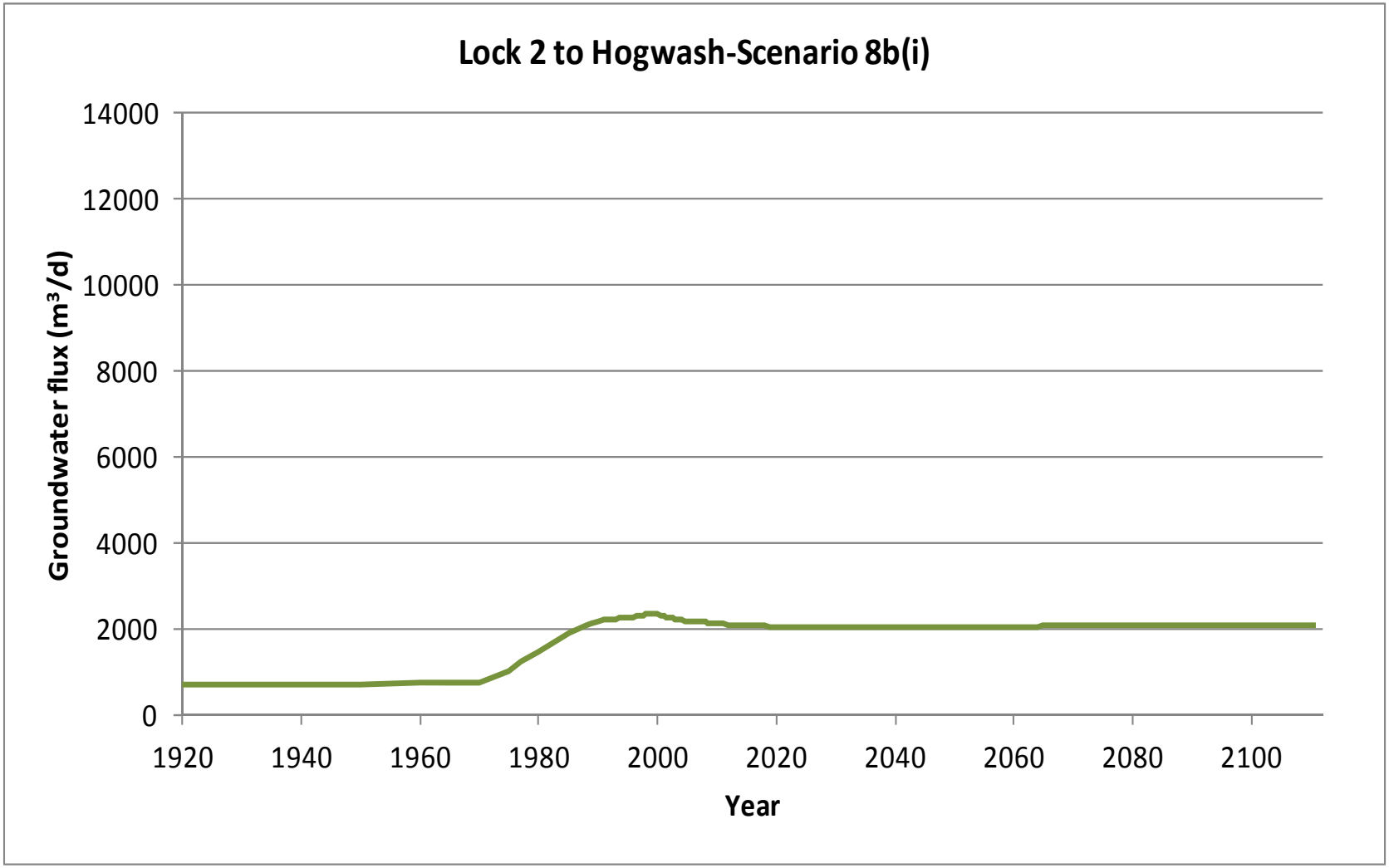
B-4a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	81	95	208	213	223	198	104	23	166	100	154	563	438	2566
40360	40544	2010.5	2011	79	95	207	212	223	198	104	23	166	100	154	563	437	2561
40544	40909	2011	2012	77	94	206	212	222	197	103	22	166	100	153	563	436	2552
40909	41275	2012	2013	76	93	205	211	221	196	103	22	166	100	153	563	435	2544
41275	41640	2013	2014	74	92	205	210	220	195	102	22	165	100	153	563	434	2536
41640	42005	2014	2015	74	92	204	209	219	194	102	22	165	100	153	563	433	2529
42005	42370	2015	2016	73	91	203	209	218	193	101	22	164	100	153	563	432	2522
42370	42736	2016	2017	72	91	203	208	217	192	100	22	164	99	153	562	431	2515
42736	43101	2017	2018	72	90	202	208	217	191	100	21	163	99	153	562	430	2509
43101	43466	2018	2019	72	90	202	207	216	190	99	21	163	99	152	562	430	2504
43466	43831	2019	2020	71	90	202	207	215	189	99	21	162	99	152	562	429	2499
43831	44197	2020	2021	71	90	201	206	215	189	98	21	162	99	152	562	429	2495
44197	44562	2021	2022	71	90	201	206	214	188	98	21	161	98	152	562	429	2491
44562	44927	2022	2023	71	89	201	206	214	187	97	21	161	98	152	562	428	2488
44927	45292	2023	2024	71	89	201	206	213	187	97	21	161	98	152	562	428	2485
45292	45658	2024	2025	71	89	200	205	213	186	97	21	160	98	152	562	428	2482
45658	46023	2025	2026	71	89	200	205	213	186	97	21	160	98	152	562	428	2480
46023	46388	2026	2027	71	89	200	205	212	186	96	21	160	98	152	562	428	2479
46388	46753	2027	2028	71	89	200	205	212	186	96	21	159	97	151	562	428	2478
46753	47119	2028	2029	71	89	200	205	212	185	96	21	159	97	151	562	428	2477
47119	47484	2029	2030	71	89	200	205	212	185	96	20	159	97	151	562	428	2476
47484	47849	2030	2031	71	89	200	205	212	185	96	20	159	97	151	562	428	2475
47849	48214	2031	2032	71	89	201	205	212	185	96	20	159	97	151	562	428	2475
48214	48580	2032	2033	71	89	201	205	212	185	96	20	159	97	151	562	428	2475
48580	48945	2033	2034	71	90	201	205	212	185	95	20	159	97	151	562	428	2475
48945	49310	2034	2035	71	90	201	205	212	185	95	20	159	97	151	562	428	2476
49310	49675	2035	2036	71	90	201	205	212	185	95	20	158	97	151	562	429	2476
49675	50041	2036	2037	71	90	201	206	212	185	95	20	158	97	151	562	429	2477
50041	50406	2037	2038	71	90	201	206	212	185	95	20	158	97	151	562	429	2477
50406	50771	2038	2039	71	90	202	206	212	185	95	20	158	97	151	562	429	2478
50771	51136	2039	2040	71	90	202	206	212	185	95	20	158	97	151	562	429	2479
51136	51502	2040	2041	71	90	202	206	212	185	95	20	158	97	151	562	429	2480
51502	51867	2041	2042	71	90	202	206	212	185	95	20	158	97	151	562	430	2481
51867	52232	2042	2043	71	91	203	207	212	185	95	20	158	97	151	562	430	2482
52232	52597	2043	2044	71	91	203	207	213	185	95	20	158	97	151	562	430	2483
52597	52963	2044	2045	71	91	203	207	213	186	95	20	158	97	151	562	430	2484
52963	53328	2045	2046	71	91	203	207	213	186	96	20	158	97	151	562	431	2486
53328	53693	2046	2047	72	91	203	207	213	186	96	20	158	97	151	562	431	2487
53693	54058	2047	2048	72	91	204	207	213	186	96	20	158	97	151	562	431	2488
54058	54424	2048	2049	72	91	204	208	213	186	96	20	158	97	151	562	431	2489
54424	54789	2049	2050	72	92	204	208	213	186	96	20	158	97	151	562	432	2491
54789	55154	2050	2051	72	92	204	208	214	186	96	20	158	97	151	562	432	2492
55154	55519	2051	2052	72	92	205	208	214	186	96	20	159	97	151	562	432	2493
55519	55885	2052	2053	72	92	205	208	214	187	96	20	159	97	151	562	432	2495
55885	56250	2053	2054	72	92	205	209	214	187	96	20	159	97	151	562	433	2496
56250	56615	2054	2055	72	92	205	209	214	187	96	20	159	97	151	562	433	2497
56615	56980	2055	2056	72	92	206	209	214	187	96	20	159	97	151	562	433	2499
56980	57346	2056	2057	72	93	206	209	215	187	96	20	159	97	151	562	433	2500
57346	57711	2057	2058	73	93	206	209	215	187	96	20	159	97	151	562	434	2501
57711	58076	2058	2059	73	93	206	209	215	187	96	20	159	97	151	562	434	2503
58076	58441	2059	2060	73	93	207	210	215	188	96	20	159	97	151	562	434	2504

B-4a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	73	93	207	210	215	188	96	20	159	97	151	562	434	2505
58807	59172	2061	2062	73	93	207	210	215	188	96	20	159	97	151	562	435	2507
59172	59537	2062	2063	73	93	207	210	215	188	96	20	159	97	151	562	435	2508
59537	59902	2063	2064	73	94	207	210	216	188	97	20	159	97	151	562	435	2509
59902	60268	2064	2065	73	94	208	211	216	188	97	20	159	97	151	562	435	2510
60268	60633	2065	2066	73	94	208	211	216	188	97	20	159	97	151	562	435	2511
60633	60998	2066	2067	73	94	208	211	216	189	97	20	159	97	151	562	436	2513
60998	61363	2067	2068	73	94	208	211	216	189	97	20	159	97	151	562	436	2514
61363	61729	2068	2069	73	94	208	211	216	189	97	21	159	97	151	562	436	2515
61729	62094	2069	2070	73	94	209	211	216	189	97	21	159	97	151	562	436	2516
62094	62459	2070	2071	74	94	209	211	216	189	97	21	159	97	151	562	437	2517
62459	62824	2071	2072	74	95	209	212	217	189	97	21	159	97	151	562	437	2518
62824	63190	2072	2073	74	95	209	212	217	189	97	21	159	97	151	562	437	2519
63190	63555	2073	2074	74	95	209	212	217	189	97	21	159	97	151	562	437	2520
63555	63920	2074	2075	74	95	209	212	217	190	97	21	159	97	151	562	437	2521
63920	64285	2075	2076	74	95	210	212	217	190	97	21	159	97	151	562	437	2522
64285	64651	2076	2077	74	95	210	212	217	190	97	21	159	97	151	562	438	2523
64651	65016	2077	2078	74	95	210	212	217	190	97	21	160	97	151	562	438	2524
65016	65381	2078	2079	74	95	210	213	217	190	97	21	160	97	151	562	438	2525
65381	65746	2079	2080	74	95	210	213	218	190	97	21	160	97	151	562	438	2526
65746	66112	2080	2081	74	95	210	213	218	190	97	21	160	97	151	562	438	2527
66112	66477	2081	2082	74	96	211	213	218	190	97	21	160	97	151	562	438	2528
66477	66842	2082	2083	74	96	211	213	218	190	97	21	160	97	151	562	439	2529
66842	67207	2083	2084	74	96	211	213	218	190	97	21	160	97	151	562	439	2530
67207	67573	2084	2085	74	96	211	213	218	191	98	21	160	97	151	562	439	2530
67573	67938	2085	2086	74	96	211	213	218	191	98	21	160	97	152	562	439	2531
67938	68303	2086	2087	75	96	211	213	218	191	98	21	160	97	152	562	439	2532
68303	68668	2087	2088	75	96	211	214	218	191	98	21	160	97	152	562	439	2533
68668	69034	2088	2089	75	96	212	214	218	191	98	21	160	98	152	562	439	2534
69034	69399	2089	2090	75	96	212	214	218	191	98	21	160	98	152	562	440	2534
69399	69764	2090	2091	75	96	212	214	219	191	98	21	160	98	152	562	440	2535
69764	70129	2091	2092	75	96	212	214	219	191	98	21	160	98	152	562	440	2536
70129	70495	2092	2093	75	96	212	214	219	191	98	21	160	98	152	562	440	2536
70495	70860	2093	2094	75	97	212	214	219	191	98	21	160	98	152	562	440	2537
70860	71225	2094	2095	75	97	212	214	219	191	98	21	160	98	152	562	440	2538
71225	71590	2095	2096	75	97	212	214	219	191	98	21	160	98	152	562	440	2539
71590	71956	2096	2097	75	97	212	214	219	191	98	21	160	98	152	562	440	2539
71956	72321	2097	2098	75	97	213	214	219	192	98	21	160	98	152	562	441	2540
72321	72686	2098	2099	75	97	213	215	219	192	98	21	160	98	152	562	441	2540
72686	73051	2099	2100	75	97	213	215	219	192	98	21	160	98	152	562	441	2541
73051	73416	2100	2101	75	97	213	215	219	192	98	21	160	98	152	562	441	2542
73416	73781	2101	2102	75	97	213	215	219	192	98	21	160	98	152	562	441	2542
73781	74146	2102	2103	75	97	213	215	219	192	98	21	160	98	152	562	441	2543
74146	74511	2103	2104	75	97	213	215	219	192	98	21	160	98	152	562	441	2543
74511	74877	2104	2105	75	97	213	215	220	192	98	21	160	98	152	562	441	2544
74877	75242	2105	2106	75	97	213	215	220	192	98	21	160	98	152	562	441	2544
75242	75607	2106	2107	75	97	213	215	220	192	98	21	160	98	152	562	441	2545
75607	75972	2107	2108	75	97	213	215	220	192	98	21	160	98	152	562	441	2545
75972	76338	2108	2109	75	97	214	215	220	192	98	21	160	98	152	562	442	2546
76338	76703	2109	2110	75	97	214	215	220	192	98	21	160	98	152	562	442	2546
76703	77068	2110	2111	75	97	214	215	220	192	98	21	160	98	152	562	442	2547

B-4a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(i)) (Part 3/3)



B-4a (S8b(i)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	3	6	6	6	6	2	1	5	3	4	9	11	64
37073	37257	2001.5	2002	1	3	6	6	6	6	2	1	5	3	4	9	11	64
37257	37438	2002	2002.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37438	37622	2002.5	2003	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37622	37803	2003	2003.5	1	3	6	6	6	6	2	1	5	3	4	9	11	63
37803	37987	2003.5	2004	1	3	6	6	6	6	2	1	5	3	4	9	11	62
37987	38169	2004	2004.5	1	3	6	6	6	5	2	1	5	3	4	9	11	62
38169	38353	2004.5	2005	1	3	6	6	6	5	2	1	5	3	4	9	11	62
38353	38534	2005	2005.5	1	3	6	6	6	5	2	1	5	3	4	9	11	62
38534	38718	2005.5	2006	1	3	6	6	6	5	2	1	5	3	4	9	11	61
38718	38899	2006	2006.5	1	3	6	6	6	5	2	1	5	3	4	9	11	61
38899	39083	2006.5	2007	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39083	39264	2007	2007.5	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39264	39448	2007.5	2008	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39448	39630	2008	2008.5	1	3	6	6	6	5	2	1	5	3	4	9	11	61
39630	39814	2008.5	2009	1	3	6	6	6	5	2	1	5	3	4	9	11	60
39814	39995	2009	2009.5	1	3	6	6	6	5	2	1	5	3	4	9	11	60
39995	40179	2009.5	2010	1	3	6	6	6	5	2	1	5	3	4	9	11	60
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

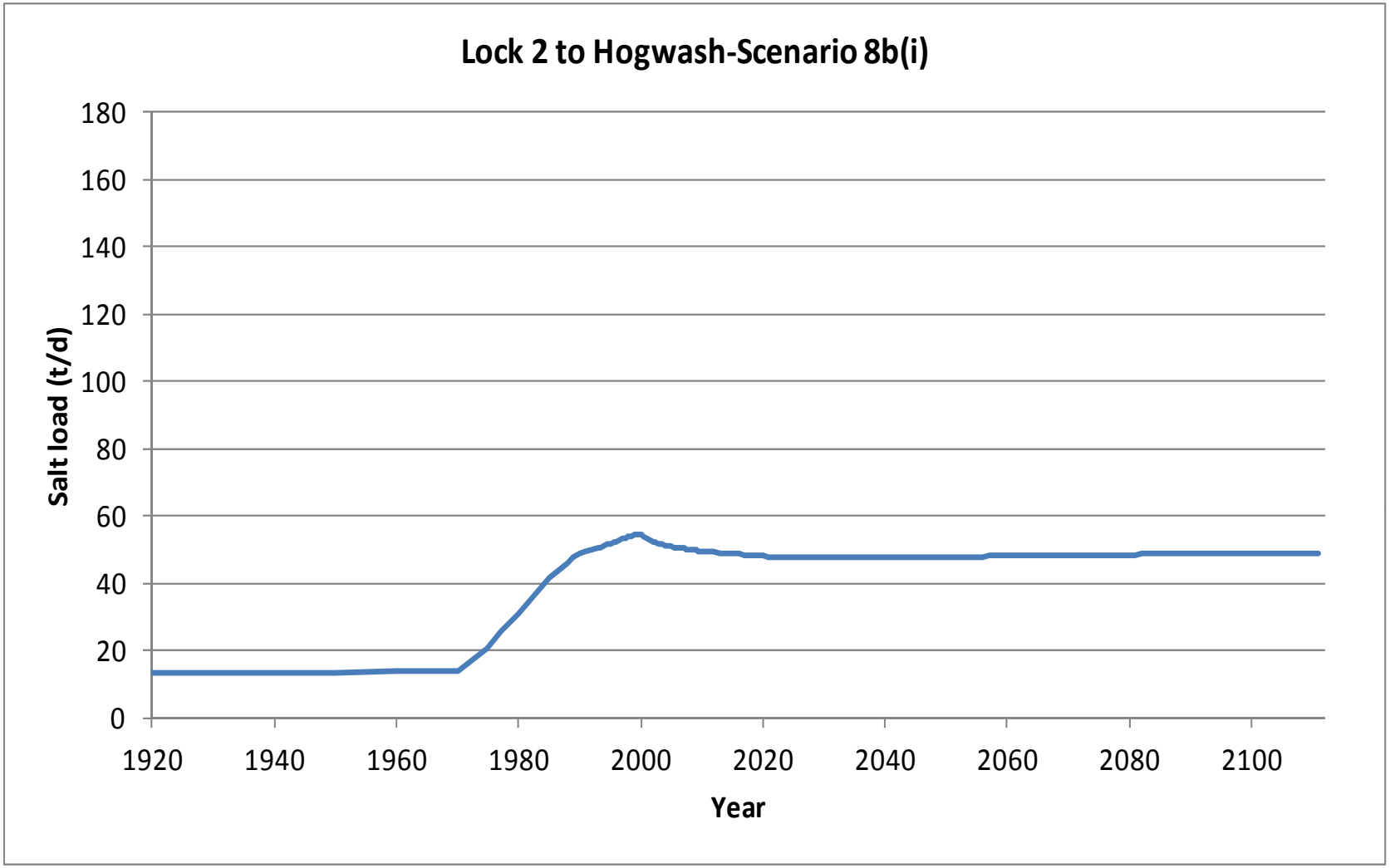
B-4b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Lock 2 to Hogwash (Scenario 8b(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	1	3	6	6	6	5	2	0	5	3	4	9	11	60
40360	40544	2010.5	2011	1	3	6	6	6	5	2	0	5	3	4	9	10	60
40544	40909	2011	2012	1	2	5	6	6	5	2	0	5	3	4	9	10	60
40909	41275	2012	2013	1	2	5	6	6	5	2	0	5	3	4	9	10	60
41275	41640	2013	2014	1	2	5	6	6	5	2	0	5	3	4	9	10	59
41640	42005	2014	2015	1	2	5	6	6	5	2	0	5	3	4	9	10	59
42005	42370	2015	2016	1	2	5	6	6	5	2	0	5	3	4	9	10	59
42370	42736	2016	2017	1	2	5	6	6	5	2	0	5	3	4	9	10	59
42736	43101	2017	2018	1	2	5	6	6	5	2	0	5	3	4	9	10	59
43101	43466	2018	2019	1	2	5	6	6	5	2	0	5	3	4	9	10	59
43466	43831	2019	2020	1	2	5	6	6	5	2	0	5	3	4	9	10	58
43831	44197	2020	2021	1	2	5	6	6	5	2	0	5	3	4	9	10	58
44197	44562	2021	2022	1	2	5	5	6	5	2	0	5	3	4	9	10	58
44562	44927	2022	2023	1	2	5	5	6	5	2	0	5	3	4	9	10	58
44927	45292	2023	2024	1	2	5	5	6	5	2	0	5	3	4	9	10	58
45292	45658	2024	2025	1	2	5	5	6	5	2	0	5	3	4	9	10	58
45658	46023	2025	2026	1	2	5	5	6	5	2	0	5	3	4	9	10	58
46023	46388	2026	2027	1	2	5	5	6	5	2	0	5	3	4	9	10	58
46388	46753	2027	2028	1	2	5	5	6	5	2	0	5	3	4	9	10	58
46753	47119	2028	2029	1	2	5	5	6	5	2	0	5	3	4	9	10	58
47119	47484	2029	2030	1	2	5	5	6	5	2	0	5	3	4	9	10	58
47484	47849	2030	2031	1	2	5	5	6	5	2	0	5	3	4	9	10	58
47849	48214	2031	2032	1	2	5	5	6	5	2	0	5	3	4	9	10	58
48214	48580	2032	2033	1	2	5	5	6	5	2	0	5	3	4	9	10	58
48580	48945	2033	2034	1	2	5	5	6	5	2	0	5	3	4	9	10	58
48945	49310	2034	2035	1	2	5	5	6	5	2	0	5	3	4	9	10	58
49310	49675	2035	2036	1	2	5	5	6	5	2	0	5	3	4	9	10	58
49675	50041	2036	2037	1	2	5	5	6	5	2	0	5	3	4	9	10	58
50041	50406	2037	2038	1	2	5	5	6	5	2	0	5	3	4	9	10	58
50406	50771	2038	2039	1	2	5	5	6	5	2	0	5	3	4	9	10	58
50771	51136	2039	2040	1	2	5	5	6	5	2	0	5	3	4	9	10	58
51136	51502	2040	2041	1	2	5	5	6	5	2	0	5	3	4	9	10	58
51502	51867	2041	2042	1	2	5	5	6	5	2	0	5	3	4	9	10	58
51867	52232	2042	2043	1	2	5	6	6	5	2	0	5	3	4	9	10	58
52232	52597	2043	2044	1	2	5	6	6	5	2	0	5	3	4	9	10	58
52597	52963	2044	2045	1	2	5	6	6	5	2	0	5	3	4	9	10	58
52963	53328	2045	2046	1	2	5	6	6	5	2	0	5	3	4	9	10	58
53328	53693	2046	2047	1	2	5	6	6	5	2	0	5	3	4	9	10	58
53693	54058	2047	2048	1	2	5	6	6	5	2	0	5	3	4	9	10	58
54058	54424	2048	2049	1	2	5	6	6	5	2	0	5	3	4	9	10	58
54424	54789	2049	2050	1	2	5	6	6	5	2	0	5	3	4	9	10	58
54789	55154	2050	2051	1	2	5	6	6	5	2	0	5	3	4	9	10	58
55154	55519	2051	2052	1	2	5	6	6	5	2	0	5	3	4	9	10	58
55519	55885	2052	2053	1	2	5	6	6	5	2	0	5	3	4	9	10	58
55885	56250	2053	2054	1	2	5	6	6	5	2	0	5	3	4	9	10	58
56250	56615	2054	2055	1	2	5	6	6	5	2	0	5	3	4	9	10	58
56615	56980	2055	2056	1	2	5	6	6	5	2	0	5	3	4	9	10	58
56980	57346	2056	2057	1	2	5	6	6	5	2	0	5	3	4	9	10	59
57346	57711	2057	2058	1	2	5	6	6	5	2	0	5	3	4	9	10	59
57711	58076	2058	2059	1	2	5	6	6	5	2	0	5	3	4	9	10	59
58076	58441	2059	2060	1	2	6	6	6	5	2	0	5	3	4	9	10	59
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Lock 2 to Hogwash (Scenario 8b(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	1	2	6	6	6	5	2	0	5	3	4	9	10	59
58807	59172	2061	2062	1	2	6	6	6	5	2	0	5	3	4	9	10	59
59172	59537	2062	2063	1	2	6	6	6	5	2	0	5	3	4	9	10	59
59537	59902	2063	2064	1	2	6	6	6	5	2	0	5	3	4	9	10	59
59902	60268	2064	2065	1	2	6	6	6	5	2	0	5	3	4	9	10	59
60268	60633	2065	2066	1	3	6	6	6	5	2	0	5	3	4	9	10	59
60633	60998	2066	2067	1	3	6	6	6	5	2	0	5	3	4	9	10	59
60998	61363	2067	2068	1	3	6	6	6	5	2	0	5	3	4	9	10	59
61363	61729	2068	2069	1	3	6	6	6	5	2	0	5	3	4	9	10	59
61729	62094	2069	2070	1	3	6	6	6	5	2	0	5	3	4	9	10	59
62094	62459	2070	2071	1	3	6	6	6	5	2	0	5	3	4	9	10	59
62459	62824	2071	2072	1	3	6	6	6	5	2	0	5	3	4	9	10	59
62824	63190	2072	2073	1	3	6	6	6	5	2	0	5	3	4	9	10	59
63190	63555	2073	2074	1	3	6	6	6	5	2	0	5	3	4	9	10	59
63555	63920	2074	2075	1	3	6	6	6	5	2	0	5	3	4	9	10	59
63920	64285	2075	2076	1	3	6	6	6	5	2	0	5	3	4	9	10	59
64285	64651	2076	2077	1	3	6	6	6	5	2	0	5	3	4	9	11	59
64651	65016	2077	2078	1	3	6	6	6	5	2	0	5	3	4	9	11	59
65016	65381	2078	2079	1	3	6	6	6	5	2	0	5	3	4	9	11	59
65381	65746	2079	2080	1	3	6	6	6	5	2	0	5	3	4	9	11	59
65746	66112	2080	2081	1	3	6	6	6	5	2	0	5	3	4	9	11	59
66112	66477	2081	2082	1	3	6	6	6	5	2	0	5	3	4	9	11	59
66477	66842	2082	2083	1	3	6	6	6	5	2	0	5	3	4	9	11	59
66842	67207	2083	2084	1	3	6	6	6	5	2	0	5	3	4	9	11	59
67207	67573	2084	2085	1	3	6	6	6	5	2	0	5	3	4	9	11	59
67573	67938	2085	2086	1	3	6	6	6	5	2	0	5	3	4	9	11	59
67938	68303	2086	2087	1	3	6	6	6	5	2	0	5	3	4	9	11	59
68303	68668	2087	2088	1	3	6	6	6	5	2	0	5	3	4	9	11	59
68668	69034	2088	2089	1	3	6	6	6	5	2	0	5	3	4	9	11	59
69034	69399	2089	2090	1	3	6	6	6	5	2	0	5	3	4	9	11	59
69399	69764	2090	2091	1	3	6	6	6	5	2	0	5	3	4	9	11	59
69764	70129	2091	2092	1	3	6	6	6	5	2	0	5	3	4	9	11	59
70129	70495	2092	2093	1	3	6	6	6	5	2	0	5	3	4	9	11	59
70495	70860	2093	2094	1	3	6	6	6	5	2	0	5	3	4	9	11	59
70860	71225	2094	2095	1	3	6	6	6	5	2	0	5	3	4	9	11	59
71225	71590	2095	2096	1	3	6	6	6	5	2	0	5	3	4	9	11	59
71590	71956	2096	2097	1	3	6	6	6	5	2	0	5	3	4	9	11	59
71956	72321	2097	2098	1	3	6	6	6	5	2	0	5	3	4	9	11	59
72321	72686	2098	2099	1	3	6	6	6	5	2	0	5	3	4	9	11	60
72686	73051	2099	2100	1	3	6	6	6	5	2	0	5	3	4	9	11	60
73051	73416	2100	2101	1	3	6	6	6	5	2	0	5	3	4	9	11	60
73416	73781	2101	2102	1	3	6	6	6	5	2	0	5	3	4	9	11	60
73781	74146	2102	2103	1	3	6	6	6	5	2	0	5	3	4	9	11	60
74146	74511	2103	2104	1	3	6	6	6	5	2	0	5	3	4	9	11	60
74511	74877	2104	2105	1	3	6	6	6	5	2	0	5	3	4	9	11	60
74877	75242	2105	2106	1	3	6	6	6	5	2	0	5	3	4	9	11	60
75242	75607	2106	2107	1	3	6	6	6	5	2	0	5	3	4	9	11	60
75607	75972	2107	2108	1	3	6	6	6	5	2	0	5	3	4	9	11	60
75972	76338	2108	2109	1	3	6	6	6	5	2	0	5	3	4	9	11	60
76338	76703	2109	2110	1	3	6	6	6	5	2	0	5	3	4	9	11	60
76703	77068	2110	2111	1	3	6	6	6	5	2	0	5	3	4	9	11	60
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Lock 2 to Hogwash (Scenario 8b(i)) (Part 3/3)



B-4b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Lock 2 to Hogwash (Scenario 8b(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2301
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2798
35247	35431	1996.5	1997	156	114	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	155	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	155	116	234	238	244	213	115	35	168	100	158	566	494	2837
35796	35977	1998	1998.5	155	117	235	238	245	215	117	35	170	101	158	566	495	2848
35977	36161	1998.5	1999	155	117	236	238	245	216	119	36	172	102	159	566	495	2857
36161	36342	1999	1999.5	149	118	236	238	246	218	120	36	175	103	159	566	495	2858
36342	36526	1999.5	2000	145	118	237	238	246	219	121	36	177	103	159	566	496	2861
36526	36708	2000	2000.5	135	118	235	235	243	218	118	33	170	103	159	566	479	2812
36708	36892	2000.5	2001	128	115	233	233	241	217	115	31	169	103	159	566	472	2781
36892	37073	2001	2001.5	115	64	203	223	225	210	113	30	168	102	158	566	447	2625
37073	37257	2001.5	2002	104	47	180	208	214	202	111	28	168	102	158	565	428	2514
37257	37438	2002	2002.5	96	38	165	195	206	194	108	27	167	102	157	565	413	2435
37438	37622	2002.5	2003	91	33	154	185	199	187	106	26	167	102	157	565	401	2371
37622	37803	2003	2003.5	86	28	145	177	193	181	103	26	166	102	156	564	391	2319
37803	37987	2003.5	2004	83	25	137	169	187	176	101	25	165	101	156	564	383	2274
37987	38169	2004	2004.5	81	23	131	163	183	171	99	24	165	101	156	564	376	2236
38169	38353	2004.5	2005	78	21	125	157	178	167	98	24	164	101	155	564	369	2202
38353	38534	2005	2005.5	77	19	120	152	174	163	96	24	164	101	155	564	364	2173
38534	38718	2005.5	2006	76	17	116	148	171	160	95	23	163	101	155	564	359	2146
38718	38899	2006	2006.5	74	16	112	144	168	157	93	23	163	100	155	563	354	2122
38899	39083	2006.5	2007	73	15	108	140	165	154	92	22	162	100	154	563	350	2100
39083	39264	2007	2007.5	73	14	105	137	162	151	91	22	162	100	154	563	346	2081
39264	39448	2007.5	2008	72	14	102	134	159	149	90	22	161	100	154	563	343	2062
39448	39630	2008	2008.5	65	13	99	131	157	146	89	22	161	100	154	563	340	2039
39630	39814	2008.5	2009	60	13	97	128	155	144	88	21	160	99	154	563	336	2018
39814	39995	2009	2009.5	57	12	94	126	152	142	87	21	160	99	153	563	333	2000
39995	40179	2009.5	2010	55	12	92	124	150	140	86	21	159	99	153	563	330	1983

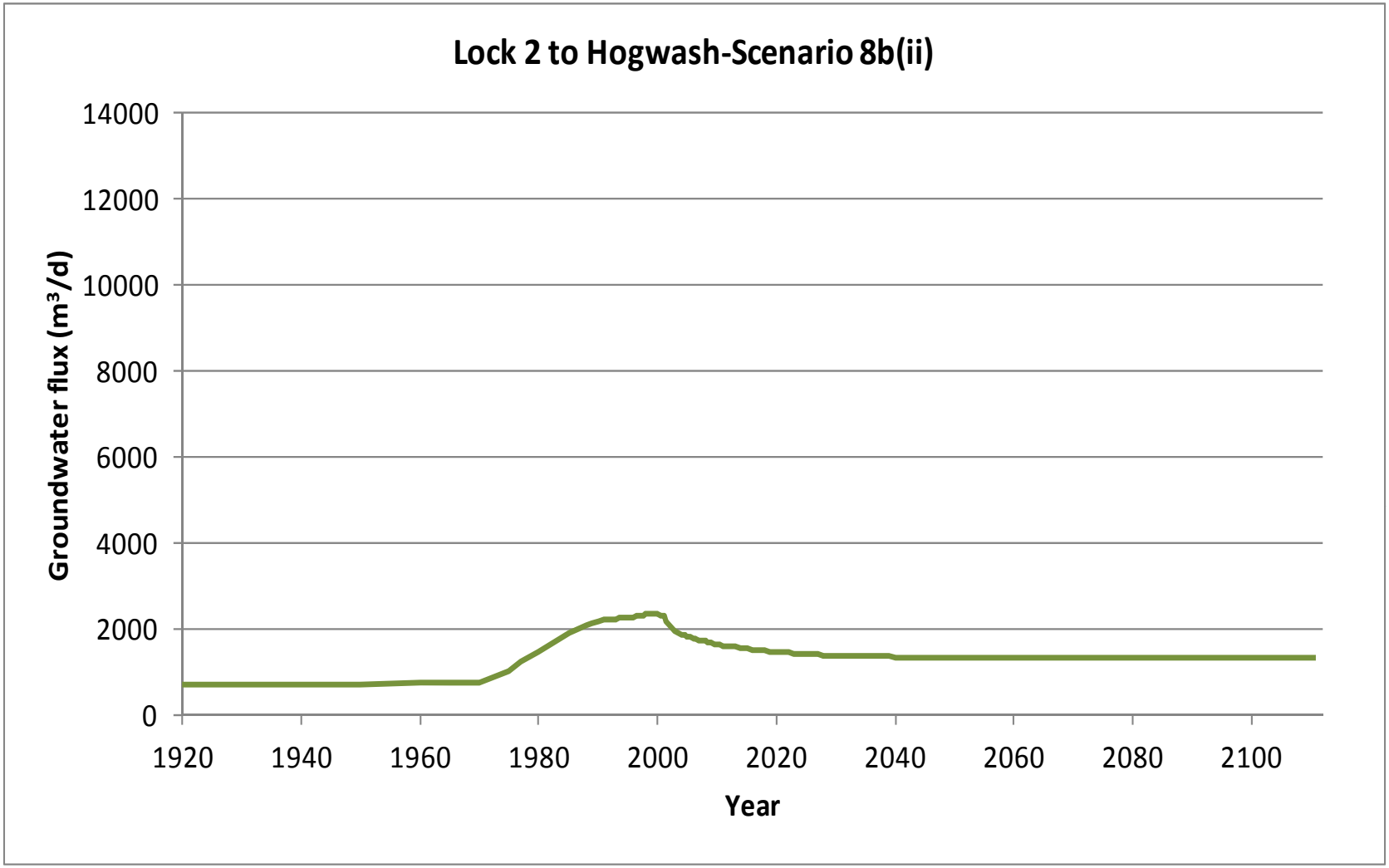
B-4a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	53	11	90	121	148	138	85	21	159	99	153	563	328	1968
40360	40544	2010.5	2011	51	11	88	119	146	136	84	20	158	99	153	563	325	1953
40544	40909	2011	2012	49	10	84	115	143	132	83	20	157	98	153	563	320	1927
40909	41275	2012	2013	47	10	80	112	139	129	81	20	156	98	152	562	316	1903
41275	41640	2013	2014	46	9	77	109	136	125	80	19	155	98	152	562	313	1881
41640	42005	2014	2015	45	9	74	106	133	122	78	19	154	97	152	562	309	1860
42005	42370	2015	2016	44	8	71	103	130	119	77	19	152	97	152	562	306	1840
42370	42736	2016	2017	43	8	69	100	127	116	75	18	151	96	151	562	303	1821
42736	43101	2017	2018	43	8	67	98	125	113	74	18	150	96	151	562	300	1804
43101	43466	2018	2019	42	8	65	96	122	111	73	18	149	95	151	561	298	1788
43466	43831	2019	2020	42	8	63	94	120	109	71	17	147	95	151	561	295	1773
43831	44197	2020	2021	41	7	61	92	118	106	70	17	146	94	150	561	293	1759
44197	44562	2021	2022	41	7	60	90	116	104	69	17	145	94	150	561	291	1746
44562	44927	2022	2023	40	7	59	89	115	103	68	17	144	94	150	561	289	1735
44927	45292	2023	2024	40	7	57	87	113	101	67	17	144	93	150	561	288	1724
45292	45658	2024	2025	40	7	56	86	112	99	66	17	143	93	149	561	286	1714
45658	46023	2025	2026	39	7	55	85	110	98	66	16	142	93	149	561	285	1705
46023	46388	2026	2027	39	7	54	83	109	97	65	16	141	92	149	561	283	1697
46388	46753	2027	2028	39	6	53	82	108	95	64	16	141	92	149	560	282	1689
46753	47119	2028	2029	39	6	52	81	107	94	64	16	140	92	149	560	281	1682
47119	47484	2029	2030	39	6	51	81	106	93	63	16	140	92	149	560	280	1675
47484	47849	2030	2031	38	6	51	80	105	92	63	16	139	91	149	560	279	1670
47849	48214	2031	2032	38	6	50	79	104	91	62	16	139	91	148	560	278	1664
48214	48580	2032	2033	38	6	50	78	104	91	62	16	138	91	148	560	278	1659
48580	48945	2033	2034	38	6	49	78	103	90	62	15	138	91	148	560	277	1655
48945	49310	2034	2035	38	6	49	77	102	89	61	15	137	91	148	560	276	1651
49310	49675	2035	2036	38	6	48	77	102	89	61	15	137	91	148	560	275	1647
49675	50041	2036	2037	38	6	48	76	101	88	61	15	137	90	148	560	275	1643
50041	50406	2037	2038	37	6	48	76	101	88	60	15	137	90	148	560	274	1640
50406	50771	2038	2039	37	6	47	75	100	87	60	15	136	90	148	560	274	1637
50771	51136	2039	2040	37	6	47	75	100	87	60	15	136	90	148	560	273	1634
51136	51502	2040	2041	37	6	47	75	100	86	60	15	136	90	148	560	273	1632
51502	51867	2041	2042	37	6	47	74	99	86	60	15	136	90	148	560	273	1629
51867	52232	2042	2043	37	6	46	74	99	86	59	15	135	90	148	560	272	1627
52232	52597	2043	2044	37	6	46	74	99	85	59	15	135	90	148	560	272	1625
52597	52963	2044	2045	37	6	46	73	99	85	59	15	135	90	148	560	272	1623
52963	53328	2045	2046	37	6	46	73	98	85	59	15	135	90	148	560	271	1622
53328	53693	2046	2047	37	6	46	73	98	85	59	15	135	90	147	560	271	1620
53693	54058	2047	2048	37	6	46	73	98	84	59	15	135	89	147	560	271	1619
54058	54424	2048	2049	37	6	45	73	98	84	59	15	135	89	147	560	271	1618
54424	54789	2049	2050	37	6	45	73	98	84	59	15	134	89	147	560	271	1616
54789	55154	2050	2051	37	6	45	72	97	84	58	15	134	89	147	560	270	1615
55154	55519	2051	2052	37	6	45	72	97	84	58	15	134	89	147	560	270	1614
55519	55885	2052	2053	36	6	45	72	97	83	58	15	134	89	147	560	270	1613
55885	56250	2053	2054	36	6	45	72	97	83	58	15	134	89	147	560	270	1613
56250	56615	2054	2055	36	6	45	72	97	83	58	15	134	89	147	560	270	1612
56615	56980	2055	2056	36	6	45	72	97	83	58	15	134	89	147	560	270	1611
56980	57346	2056	2057	36	6	45	72	97	83	58	15	134	89	147	560	270	1611
57346	57711	2057	2058	36	6	45	72	97	83	58	15	134	89	147	560	269	1610
57711	58076	2058	2059	36	6	45	72	97	83	58	15	134	89	147	560	269	1610
58076	58441	2059	2060	36	6	45	72	96	83	58	15	134	89	147	560	269	1609

B-4a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	36	6	45	71	96	83	58	15	134	89	147	560	269	1609
58807	59172	2061	2062	36	6	45	71	96	83	58	15	134	89	147	560	269	1608
59172	59537	2062	2063	36	6	44	71	96	83	58	15	134	89	147	560	269	1608
59537	59902	2063	2064	36	6	44	71	96	82	58	15	134	89	147	560	269	1608
59902	60268	2064	2065	36	6	44	71	96	82	58	15	134	89	147	560	269	1607
60268	60633	2065	2066	36	6	44	71	96	82	58	15	134	89	147	560	269	1607
60633	60998	2066	2067	36	6	44	71	96	82	58	15	134	89	147	560	269	1607
60998	61363	2067	2068	36	6	44	71	96	82	58	15	134	89	147	560	269	1607
61363	61729	2068	2069	36	6	44	71	96	82	58	15	134	89	147	560	269	1607
61729	62094	2069	2070	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
62094	62459	2070	2071	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
62459	62824	2071	2072	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
62824	63190	2072	2073	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
63190	63555	2073	2074	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
63555	63920	2074	2075	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
63920	64285	2075	2076	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
64285	64651	2076	2077	36	6	44	71	96	82	58	15	134	89	147	560	269	1606
64651	65016	2077	2078	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
65016	65381	2078	2079	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
65381	65746	2079	2080	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
65746	66112	2080	2081	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
66112	66477	2081	2082	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
66477	66842	2082	2083	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
66842	67207	2083	2084	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
67207	67573	2084	2085	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
67573	67938	2085	2086	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
67938	68303	2086	2087	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
68303	68668	2087	2088	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
68668	69034	2088	2089	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
69034	69399	2089	2090	36	6	44	71	96	82	58	15	133	89	147	560	269	1606
69399	69764	2090	2091	36	6	44	71	96	82	58	15	133	89	147	560	269	1607
69764	70129	2091	2092	36	6	44	71	96	82	58	15	133	89	147	560	269	1607
70129	70495	2092	2093	36	6	44	71	96	82	58	15	133	89	147	560	269	1607
70495	70860	2093	2094	36	6	44	71	96	82	58	15	133	89	147	560	269	1607
70860	71225	2094	2095	36	6	45	71	96	82	58	15	133	89	147	560	269	1607
71225	71590	2095	2096	36	6	45	71	96	82	58	15	133	89	147	560	269	1607
71590	71956	2096	2097	36	6	45	71	96	82	58	15	134	89	147	560	269	1607
71956	72321	2097	2098	36	6	45	71	96	82	58	15	134	89	147	560	269	1607
72321	72686	2098	2099	36	6	45	71	96	82	58	15	134	89	147	560	269	1607
72686	73051	2099	2100	36	6	45	71	96	82	58	15	134	89	147	560	269	1607
73051	73416	2100	2101	36	6	45	71	96	82	58	15	134	89	147	560	269	1608
73416	73781	2101	2102	36	6	45	71	96	82	58	15	134	89	147	560	269	1608
73781	74146	2102	2103	36	6	45	71	96	82	58	15	134	89	147	560	269	1608
74146	74511	2103	2104	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
74511	74877	2104	2105	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
74877	75242	2105	2106	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
75242	75607	2106	2107	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
75607	75972	2107	2108	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
75972	76338	2108	2109	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
76338	76703	2109	2110	36	6	45	72	96	82	58	15	134	89	147	560	269	1608
76703	77068	2110	2111	36	6	45	72	96	82	58	15	134	89	147	560	269	1609

B-4a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(ii)) (Part 3/3)



B-4a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	2	5	6	6	6	2	1	5	3	4	9	11	61
37073	37257	2001.5	2002	1	1	5	6	6	5	2	1	5	3	4	9	10	58
37257	37438	2002	2002.5	1	1	4	5	5	5	2	1	5	3	4	9	10	56
37438	37622	2002.5	2003	1	1	4	5	5	5	2	1	5	3	4	9	10	55
37622	37803	2003	2003.5	1	1	4	5	5	5	2	1	5	3	4	9	9	53
37803	37987	2003.5	2004	1	1	4	5	5	5	2	1	5	3	4	9	9	52
37987	38169	2004	2004.5	1	1	3	4	5	5	2	1	5	3	4	9	9	51
38169	38353	2004.5	2005	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38353	38534	2005	2005.5	1	1	3	4	5	4	2	1	5	3	4	9	9	50
38534	38718	2005.5	2006	1	0	3	4	5	4	2	1	5	3	4	9	9	49
38718	38899	2006	2006.5	1	0	3	4	4	4	2	1	5	3	4	9	9	49
38899	39083	2006.5	2007	1	0	3	4	4	4	2	0	5	3	4	9	8	48
39083	39264	2007	2007.5	1	0	3	4	4	4	2	0	5	3	4	9	8	48
39264	39448	2007.5	2008	1	0	3	4	4	4	2	0	5	3	4	9	8	47
39448	39630	2008	2008.5	1	0	3	3	4	4	2	0	5	3	4	9	8	47
39630	39814	2008.5	2009	1	0	3	3	4	4	2	0	5	3	4	9	8	46
39814	39995	2009	2009.5	0	0	3	3	4	4	2	0	5	3	4	9	8	46
39995	40179	2009.5	2010	0	0	2	3	4	4	2	0	5	3	4	9	8	45
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

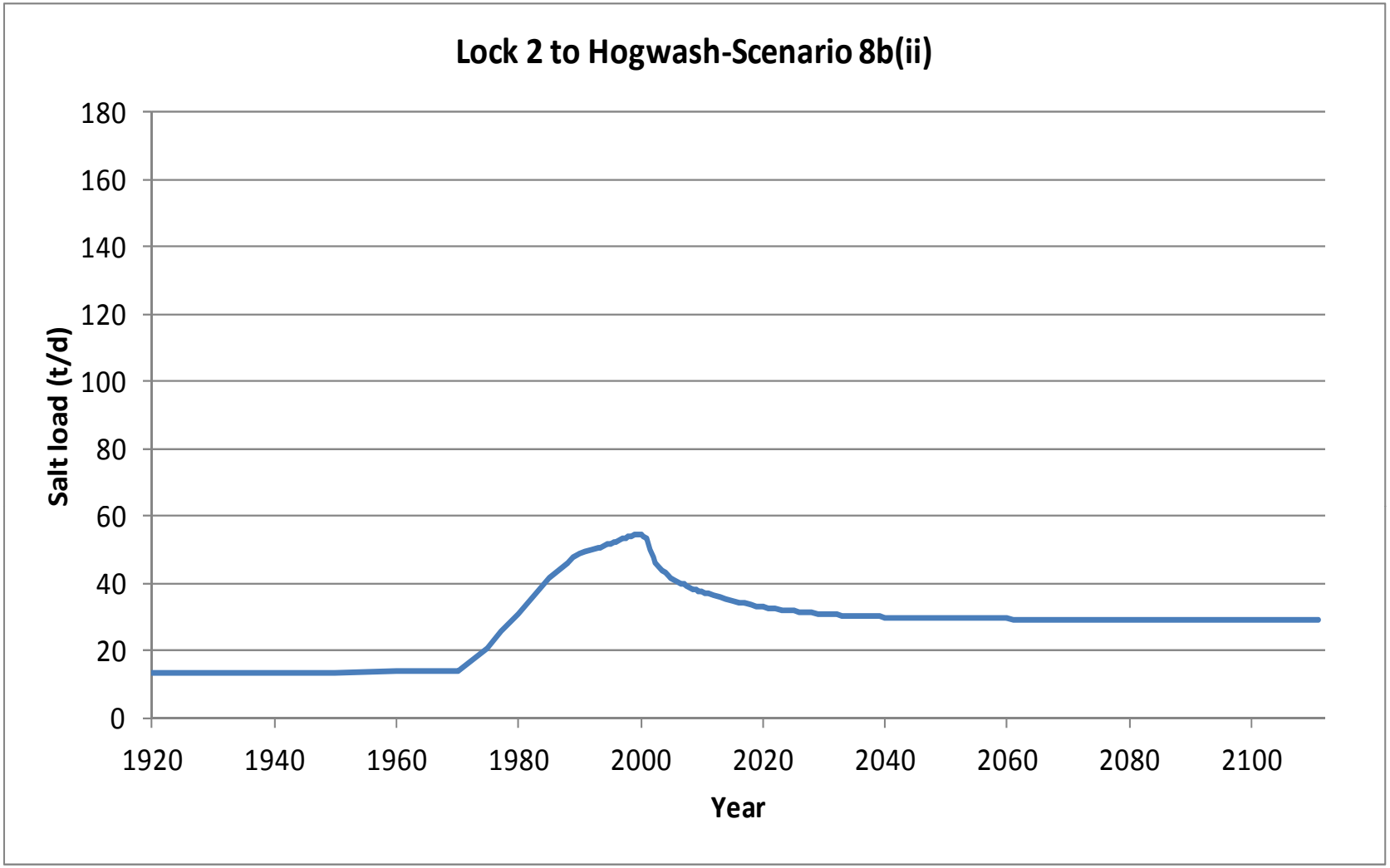
B-4b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	0	0	2	3	4	4	2	0	5	3	4	9	8	45
40360	40544	2010.5	2011	0	0	2	3	4	4	2	0	5	3	4	9	8	45
40544	40909	2011	2012	0	0	2	3	4	4	2	0	5	3	4	9	8	44
40909	41275	2012	2013	0	0	2	3	4	3	2	0	5	3	4	9	8	43
41275	41640	2013	2014	0	0	2	3	4	3	2	0	5	3	4	9	8	43
41640	42005	2014	2015	0	0	2	3	4	3	2	0	4	3	4	9	7	42
42005	42370	2015	2016	0	0	2	3	3	3	2	0	4	3	4	9	7	42
42370	42736	2016	2017	0	0	2	3	3	3	2	0	4	3	4	9	7	41
42736	43101	2017	2018	0	0	2	3	3	3	2	0	4	3	4	9	7	41
43101	43466	2018	2019	0	0	2	3	3	3	2	0	4	3	4	9	7	41
43466	43831	2019	2020	0	0	2	2	3	3	2	0	4	3	4	9	7	40
43831	44197	2020	2021	0	0	2	2	3	3	2	0	4	3	4	9	7	40
44197	44562	2021	2022	0	0	2	2	3	3	2	0	4	3	4	9	7	39
44562	44927	2022	2023	0	0	2	2	3	3	1	0	4	3	4	9	7	39
44927	45292	2023	2024	0	0	2	2	3	3	1	0	4	3	4	9	7	39
45292	45658	2024	2025	0	0	1	2	3	3	1	0	4	3	4	9	7	39
45658	46023	2025	2026	0	0	1	2	3	3	1	0	4	3	4	9	7	38
46023	46388	2026	2027	0	0	1	2	3	3	1	0	4	3	4	9	7	38
46388	46753	2027	2028	0	0	1	2	3	3	1	0	4	3	4	9	7	38
46753	47119	2028	2029	0	0	1	2	3	3	1	0	4	3	4	9	7	38
47119	47484	2029	2030	0	0	1	2	3	2	1	0	4	3	4	9	7	38
47484	47849	2030	2031	0	0	1	2	3	2	1	0	4	3	4	9	7	38
47849	48214	2031	2032	0	0	1	2	3	2	1	0	4	3	4	9	7	37
48214	48580	2032	2033	0	0	1	2	3	2	1	0	4	3	4	9	7	37
48580	48945	2033	2034	0	0	1	2	3	2	1	0	4	3	4	9	7	37
48945	49310	2034	2035	0	0	1	2	3	2	1	0	4	3	4	9	7	37
49310	49675	2035	2036	0	0	1	2	3	2	1	0	4	3	4	9	7	37
49675	50041	2036	2037	0	0	1	2	3	2	1	0	4	3	4	9	7	37
50041	50406	2037	2038	0	0	1	2	3	2	1	0	4	3	4	9	7	37
50406	50771	2038	2039	0	0	1	2	3	2	1	0	4	3	4	9	7	37
50771	51136	2039	2040	0	0	1	2	3	2	1	0	4	3	4	9	7	37
51136	51502	2040	2041	0	0	1	2	3	2	1	0	4	3	4	9	7	37
51502	51867	2041	2042	0	0	1	2	3	2	1	0	4	3	4	9	7	36
51867	52232	2042	2043	0	0	1	2	3	2	1	0	4	3	4	9	7	36
52232	52597	2043	2044	0	0	1	2	3	2	1	0	4	3	4	9	7	36
52597	52963	2044	2045	0	0	1	2	3	2	1	0	4	3	4	9	7	36
52963	53328	2045	2046	0	0	1	2	3	2	1	0	4	3	4	9	7	36
53328	53693	2046	2047	0	0	1	2	3	2	1	0	4	3	4	9	7	36
53693	54058	2047	2048	0	0	1	2	3	2	1	0	4	3	4	9	7	36
54058	54424	2048	2049	0	0	1	2	3	2	1	0	4	3	4	9	6	36
54424	54789	2049	2050	0	0	1	2	3	2	1	0	4	3	4	9	6	36
54789	55154	2050	2051	0	0	1	2	3	2	1	0	4	3	4	9	6	36
55154	55519	2051	2052	0	0	1	2	3	2	1	0	4	3	4	9	6	36
55519	55885	2052	2053	0	0	1	2	3	2	1	0	4	3	4	9	6	36
55885	56250	2053	2054	0	0	1	2	3	2	1	0	4	3	4	9	6	36
56250	56615	2054	2055	0	0	1	2	3	2	1	0	4	3	4	9	6	36
56615	56980	2055	2056	0	0	1	2	3	2	1	0	4	3	4	9	6	36
56980	57346	2056	2057	0	0	1	2	3	2	1	0	4	3	4	9	6	36
57346	57711	2057	2058	0	0	1	2	3	2	1	0	4	3	4	9	6	36
57711	58076	2058	2059	0	0	1	2	3	2	1	0	4	3	4	9	6	36
58076	58441	2059	2060	0	0	1	2	3	2	1	0	4	3	4	9	6	36
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	0	0	1	2	3	2	1	0	4	3	4	9	6	36
58807	59172	2061	2062	0	0	1	2	3	2	1	0	4	3	4	9	6	36
59172	59537	2062	2063	0	0	1	2	3	2	1	0	4	3	4	9	6	36
59537	59902	2063	2064	0	0	1	2	3	2	1	0	4	3	4	9	6	36
59902	60268	2064	2065	0	0	1	2	3	2	1	0	4	3	4	9	6	36
60268	60633	2065	2066	0	0	1	2	3	2	1	0	4	3	4	9	6	36
60633	60998	2066	2067	0	0	1	2	3	2	1	0	4	3	4	9	6	36
60998	61363	2067	2068	0	0	1	2	3	2	1	0	4	3	4	9	6	36
61363	61729	2068	2069	0	0	1	2	3	2	1	0	4	3	4	9	6	36
61729	62094	2069	2070	0	0	1	2	3	2	1	0	4	3	4	9	6	36
62094	62459	2070	2071	0	0	1	2	3	2	1	0	4	3	4	9	6	36
62459	62824	2071	2072	0	0	1	2	3	2	1	0	4	3	4	9	6	36
62824	63190	2072	2073	0	0	1	2	3	2	1	0	4	3	4	9	6	36
63190	63555	2073	2074	0	0	1	2	3	2	1	0	4	3	4	9	6	36
63555	63920	2074	2075	0	0	1	2	3	2	1	0	4	3	4	9	6	36
63920	64285	2075	2076	0	0	1	2	3	2	1	0	4	3	4	9	6	36
64285	64651	2076	2077	0	0	1	2	3	2	1	0	4	3	4	9	6	36
64651	65016	2077	2078	0	0	1	2	3	2	1	0	4	3	4	9	6	36
65016	65381	2078	2079	0	0	1	2	3	2	1	0	4	3	4	9	6	36
65381	65746	2079	2080	0	0	1	2	3	2	1	0	4	3	4	9	6	36
65746	66112	2080	2081	0	0	1	2	3	2	1	0	4	3	4	9	6	36
66112	66477	2081	2082	0	0	1	2	3	2	1	0	4	3	4	9	6	36
66477	66842	2082	2083	0	0	1	2	3	2	1	0	4	3	4	9	6	36
66842	67207	2083	2084	0	0	1	2	3	2	1	0	4	3	4	9	6	36
67207	67573	2084	2085	0	0	1	2	3	2	1	0	4	3	4	9	6	36
67573	67938	2085	2086	0	0	1	2	3	2	1	0	4	3	4	9	6	36
67938	68303	2086	2087	0	0	1	2	3	2	1	0	4	3	4	9	6	36
68303	68668	2087	2088	0	0	1	2	3	2	1	0	4	3	4	9	6	36
68668	69034	2088	2089	0	0	1	2	3	2	1	0	4	3	4	9	6	36
69034	69399	2089	2090	0	0	1	2	3	2	1	0	4	3	4	9	6	36
69399	69764	2090	2091	0	0	1	2	3	2	1	0	4	3	4	9	6	36
69764	70129	2091	2092	0	0	1	2	3	2	1	0	4	3	4	9	6	36
70129	70495	2092	2093	0	0	1	2	3	2	1	0	4	3	4	9	6	36
70495	70860	2093	2094	0	0	1	2	3	2	1	0	4	3	4	9	6	36
70860	71225	2094	2095	0	0	1	2	3	2	1	0	4	3	4	9	6	36
71225	71590	2095	2096	0	0	1	2	3	2	1	0	4	3	4	9	6	36
71590	71956	2096	2097	0	0	1	2	3	2	1	0	4	3	4	9	6	36
71956	72321	2097	2098	0	0	1	2	3	2	1	0	4	3	4	9	6	36
72321	72686	2098	2099	0	0	1	2	3	2	1	0	4	3	4	9	6	36
72686	73051	2099	2100	0	0	1	2	3	2	1	0	4	3	4	9	6	36
73051	73416	2100	2101	0	0	1	2	3	2	1	0	4	3	4	9	6	36
73416	73781	2101	2102	0	0	1	2	3	2	1	0	4	3	4	9	6	36
73781	74146	2102	2103	0	0	1	2	3	2	1	0	4	3	4	9	6	36
74146	74511	2103	2104	0	0	1	2	3	2	1	0	4	3	4	9	6	36
74511	74877	2104	2105	0	0	1	2	3	2	1	0	4	3	4	9	6	36
74877	75242	2105	2106	0	0	1	2	3	2	1	0	4	3	4	9	6	36
75242	75607	2106	2107	0	0	1	2	3	2	1	0	4	3	4	9	6	36
75607	75972	2107	2108	0	0	1	2	3	2	1	0	4	3	4	9	6	36
75972	76338	2108	2109	0	0	1	2	3	2	1	0	4	3	4	9	6	36
76338	76703	2109	2110	0	0	1	2	3	2	1	0	4	3	4	9	6	36
76703	77068	2110	2111	0	0	1	2	3	2	1	0	4	3	4	9	6	36
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(ii)) (Part 3/3)



B-4b (S8b(ii)). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2300
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2798
35247	35431	1996.5	1997	156	114	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	155	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	155	116	234	238	244	213	115	35	168	100	158	566	494	2837
35796	35977	1998	1998.5	155	117	235	238	245	215	117	35	170	101	158	566	495	2848
35977	36161	1998.5	1999	155	117	236	238	245	216	119	36	172	102	159	566	495	2857
36161	36342	1999	1999.5	149	118	236	238	246	218	120	36	175	103	159	566	495	2858
36342	36526	1999.5	2000	145	118	237	238	246	219	121	36	177	103	159	566	496	2861
36526	36708	2000	2000.5	135	118	235	235	243	218	118	33	170	103	159	566	479	2812
36708	36892	2000.5	2001	128	115	233	233	241	217	115	31	169	103	159	566	472	2781
36892	37073	2001	2001.5	115	64	203	223	225	210	113	30	168	102	158	566	447	2625
37073	37257	2001.5	2002	104	47	180	208	214	202	111	28	168	102	158	565	428	2514
37257	37438	2002	2002.5	96	38	165	195	206	194	108	27	167	102	157	565	413	2435
37438	37622	2002.5	2003	91	33	154	185	199	187	106	26	167	102	157	565	401	2371
37622	37803	2003	2003.5	86	28	145	177	193	181	103	26	166	102	156	564	391	2319
37803	37987	2003.5	2004	83	25	137	169	187	176	101	25	165	101	156	564	383	2274
37987	38169	2004	2004.5	81	23	131	163	183	171	99	24	165	101	156	564	376	2236
38169	38353	2004.5	2005	78	21	125	157	178	167	98	24	164	101	155	564	369	2202
38353	38534	2005	2005.5	77	19	120	152	174	163	96	24	164	101	155	564	364	2173
38534	38718	2005.5	2006	76	17	116	148	171	160	95	23	163	101	155	564	359	2145
38718	38899	2006	2006.5	74	16	112	144	167	156	93	23	163	100	155	563	354	2121
38899	39083	2006.5	2007	73	15	108	140	164	153	92	22	162	100	154	563	350	2098
39083	39264	2007	2007.5	73	14	105	137	161	150	91	22	161	100	154	563	346	2078
39264	39448	2007.5	2008	72	14	102	134	158	147	89	22	161	100	154	563	343	2058
39448	39630	2008	2008.5	65	13	99	131	156	145	88	21	160	99	154	563	339	2033
39630	39814	2008.5	2009	60	13	96	128	153	142	87	21	159	99	153	563	336	2011
39814	39995	2009	2009.5	57	12	94	125	150	140	86	21	159	99	153	563	333	1991
39995	40179	2009.5	2010	55	11	91	123	148	137	85	21	158	99	153	563	330	1973

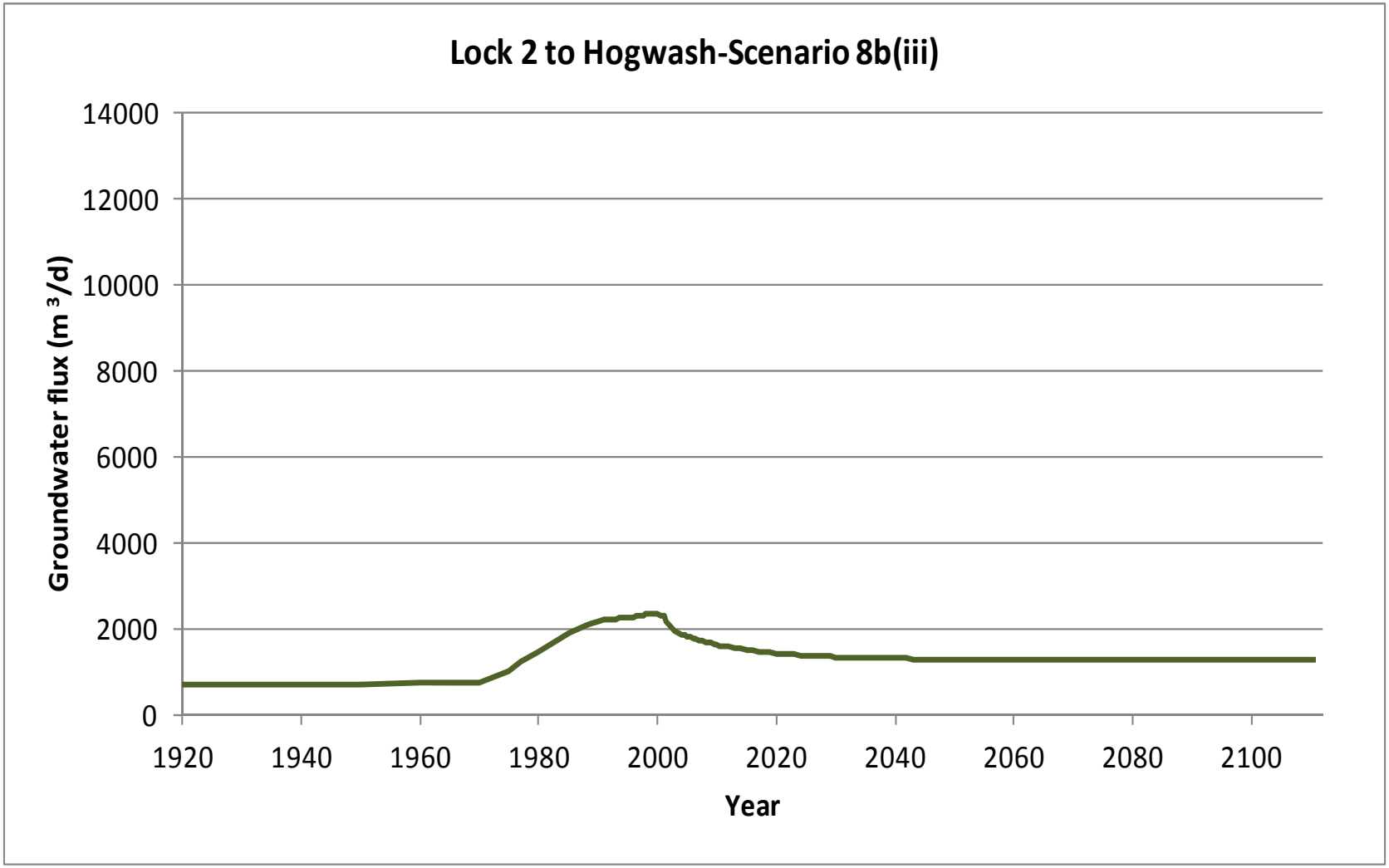
B-4a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	53	11	89	120	146	135	84	20	157	98	153	563	327	1956
40360	40544	2010.5	2011	51	11	87	118	144	133	83	20	156	98	153	562	324	1940
40544	40909	2011	2012	49	10	83	114	139	128	81	20	155	98	152	562	319	1910
40909	41275	2012	2013	47	10	79	110	135	124	79	19	154	97	152	562	315	1883
41275	41640	2013	2014	46	9	76	106	132	120	77	19	152	96	152	562	311	1858
41640	42005	2014	2015	45	9	73	103	128	117	75	18	150	96	151	562	307	1834
42005	42370	2015	2016	44	8	70	100	125	113	73	18	149	95	151	562	303	1811
42370	42736	2016	2017	43	8	67	97	121	110	72	18	147	95	151	561	300	1790
42736	43101	2017	2018	43	8	65	94	119	107	70	17	146	94	150	561	297	1771
43101	43466	2018	2019	42	8	63	92	116	104	69	17	145	94	150	561	294	1754
43466	43831	2019	2020	42	7	61	90	114	101	67	17	143	93	150	561	292	1737
43831	44197	2020	2021	41	7	59	88	111	99	66	17	142	93	149	561	290	1722
44197	44562	2021	2022	41	7	57	86	109	97	65	16	141	92	149	561	287	1709
44562	44927	2022	2023	40	7	56	84	108	95	64	16	140	92	149	560	286	1696
44927	45292	2023	2024	40	7	54	82	106	93	63	16	139	91	149	560	284	1684
45292	45658	2024	2025	39	7	53	81	104	91	62	16	138	91	148	560	282	1674
45658	46023	2025	2026	39	7	52	80	103	90	61	16	137	91	148	560	281	1664
46023	46388	2026	2027	39	6	51	78	102	88	61	16	137	90	148	560	279	1656
46388	46753	2027	2028	39	6	50	77	101	87	60	15	136	90	148	560	278	1648
46753	47119	2028	2029	38	6	49	76	99	86	59	15	135	90	148	560	277	1640
47119	47484	2029	2030	38	6	49	75	98	85	59	15	135	90	148	560	276	1634
47484	47849	2030	2031	38	6	48	75	98	84	58	15	134	90	148	560	275	1627
47849	48214	2031	2032	38	6	47	74	97	83	58	15	134	89	147	560	274	1622
48214	48580	2032	2033	38	6	47	73	96	82	58	15	133	89	147	560	273	1617
48580	48945	2033	2034	38	6	46	72	95	82	57	15	133	89	147	559	272	1612
48945	49310	2034	2035	37	6	46	72	95	81	57	15	133	89	147	559	271	1608
49310	49675	2035	2036	37	6	45	71	94	80	57	15	132	89	147	559	271	1604
49675	50041	2036	2037	37	6	45	71	94	80	56	15	132	89	147	559	270	1600
50041	50406	2037	2038	37	6	45	70	93	79	56	15	132	88	147	559	269	1597
50406	50771	2038	2039	37	6	44	70	93	79	56	14	132	88	147	559	269	1593
50771	51136	2039	2040	37	6	44	69	92	78	56	14	131	88	147	559	268	1591
51136	51502	2040	2041	37	6	44	69	92	78	55	14	131	88	147	559	268	1588
51502	51867	2041	2042	37	6	44	69	92	78	55	14	131	88	147	559	268	1586
51867	52232	2042	2043	37	6	43	69	91	77	55	14	131	88	147	559	267	1584
52232	52597	2043	2044	37	6	43	68	91	77	55	14	131	88	147	559	267	1582
52597	52963	2044	2045	36	6	43	68	91	77	55	14	130	88	147	559	267	1580
52963	53328	2045	2046	36	6	43	68	91	76	55	14	130	88	146	559	266	1579
53328	53693	2046	2047	36	6	43	68	91	76	55	14	130	88	146	559	266	1578
53693	54058	2047	2048	36	6	43	68	90	76	54	14	130	88	146	559	266	1577
54058	54424	2048	2049	36	6	43	68	90	76	54	14	130	88	146	559	266	1576
54424	54789	2049	2050	36	6	42	67	90	76	54	14	130	88	146	559	266	1575
54789	55154	2050	2051	36	6	42	67	90	76	54	14	130	88	146	559	266	1574
55154	55519	2051	2052	36	6	42	67	90	76	54	14	130	88	146	559	266	1573
55519	55885	2052	2053	36	6	42	67	90	76	54	14	130	88	146	559	265	1573
55885	56250	2053	2054	36	6	42	67	90	75	54	14	130	87	146	559	265	1572
56250	56615	2054	2055	36	6	42	67	90	75	54	14	130	87	146	559	265	1572
56615	56980	2055	2056	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
56980	57346	2056	2057	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
57346	57711	2057	2058	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
57711	58076	2058	2059	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
58076	58441	2059	2060	36	6	42	67	90	75	54	14	129	87	146	559	265	1570

B-4a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
58807	59172	2061	2062	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
59172	59537	2062	2063	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
59537	59902	2063	2064	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
59902	60268	2064	2065	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
60268	60633	2065	2066	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
60633	60998	2066	2067	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
60998	61363	2067	2068	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
61363	61729	2068	2069	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
61729	62094	2069	2070	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
62094	62459	2070	2071	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
62459	62824	2071	2072	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
62824	63190	2072	2073	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
63190	63555	2073	2074	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
63555	63920	2074	2075	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
63920	64285	2075	2076	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
64285	64651	2076	2077	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
64651	65016	2077	2078	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
65016	65381	2078	2079	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
65381	65746	2079	2080	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
65746	66112	2080	2081	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
66112	66477	2081	2082	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
66477	66842	2082	2083	36	6	42	67	90	75	54	14	129	87	146	559	265	1569
66842	67207	2083	2084	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
67207	67573	2084	2085	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
67573	67938	2085	2086	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
67938	68303	2086	2087	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
68303	68668	2087	2088	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
68668	69034	2088	2089	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
69034	69399	2089	2090	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
69399	69764	2090	2091	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
69764	70129	2091	2092	36	6	42	67	90	75	54	14	129	87	146	559	265	1570
70129	70495	2092	2093	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
70495	70860	2093	2094	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
70860	71225	2094	2095	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
71225	71590	2095	2096	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
71590	71956	2096	2097	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
71956	72321	2097	2098	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
72321	72686	2098	2099	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
72686	73051	2099	2100	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
73051	73416	2100	2101	36	6	42	67	90	75	54	14	129	87	146	559	265	1571
73416	73781	2101	2102	36	6	42	67	90	75	54	14	129	87	146	559	265	1572
73781	74146	2102	2103	36	6	42	67	90	75	54	14	129	87	146	559	265	1572
74146	74511	2103	2104	36	6	42	67	90	75	54	14	129	87	146	559	265	1572
74511	74877	2104	2105	36	6	42	67	90	75	54	14	129	87	146	559	265	1572
74877	75242	2105	2106	36	6	42	67	90	75	54	14	129	87	146	559	265	1572
75242	75607	2106	2107	36	6	42	67	90	75	54	14	129	87	146	559	266	1572
75607	75972	2107	2108	36	6	42	67	90	75	54	14	129	87	146	559	266	1572
75972	76338	2108	2109	36	6	42	67	90	75	54	14	129	87	146	559	266	1572
76338	76703	2109	2110	36	6	42	67	90	75	54	14	129	87	146	559	266	1573
76703	77068	2110	2111	36	6	42	67	90	75	54	14	129	87	146	559	266	1573

B-4a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iii)) (Part 3/3)



B-4a (S8b(iii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	2	5	6	6	6	2	1	5	3	4	9	11	61
37073	37257	2001.5	2002	1	1	5	6	6	5	2	1	5	3	4	9	10	58
37257	37438	2002	2002.5	1	1	4	5	5	5	2	1	5	3	4	9	10	56
37438	37622	2002.5	2003	1	1	4	5	5	5	2	1	5	3	4	9	10	55
37622	37803	2003	2003.5	1	1	4	5	5	5	2	1	5	3	4	9	9	53
37803	37987	2003.5	2004	1	1	4	5	5	5	2	1	5	3	4	9	9	52
37987	38169	2004	2004.5	1	1	3	4	5	5	2	1	5	3	4	9	9	51
38169	38353	2004.5	2005	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38353	38534	2005	2005.5	1	1	3	4	5	4	2	1	5	3	4	9	9	50
38534	38718	2005.5	2006	1	0	3	4	5	4	2	1	5	3	4	9	9	49
38718	38899	2006	2006.5	1	0	3	4	4	4	2	0	5	3	4	9	8	49
38899	39083	2006.5	2007	1	0	3	4	4	4	2	0	5	3	4	9	8	48
39083	39264	2007	2007.5	1	0	3	4	4	4	2	0	5	3	4	9	8	47
39264	39448	2007.5	2008	1	0	3	4	4	4	2	0	5	3	4	9	8	47
39448	39630	2008	2008.5	1	0	3	3	4	4	2	0	5	3	4	9	8	46
39630	39814	2008.5	2009	1	0	3	3	4	4	2	0	5	3	4	9	8	46
39814	39995	2009	2009.5	0	0	3	3	4	4	2	0	5	3	4	9	8	46
39995	40179	2009.5	2010	0	0	2	3	4	4	2	0	5	3	4	9	8	45
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

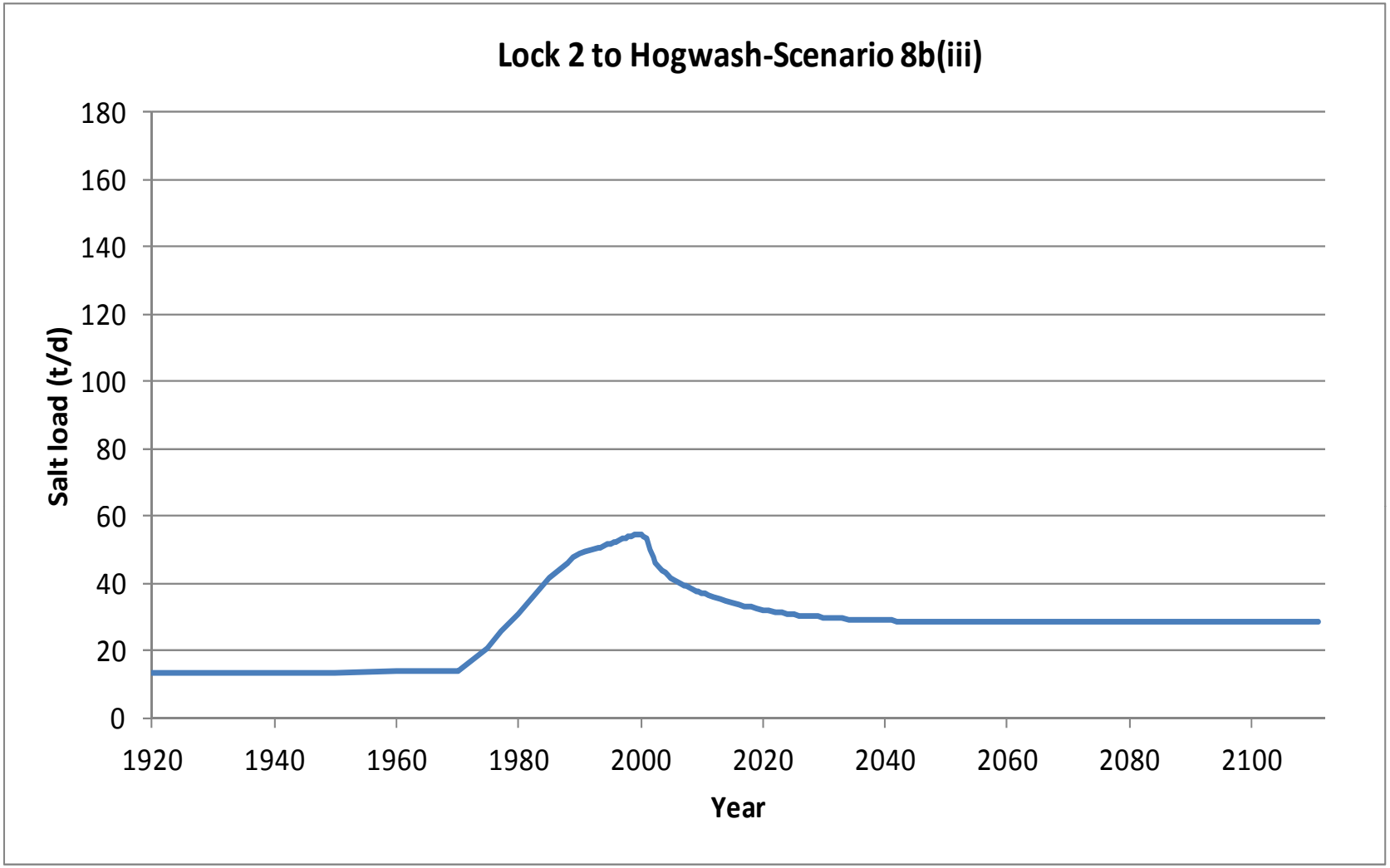
B-4b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	0	0	2	3	4	4	2	0	5	3	4	9	8	45
40360	40544	2010.5	2011	0	0	2	3	4	4	2	0	5	3	4	9	8	44
40544	40909	2011	2012	0	0	2	3	4	3	2	0	5	3	4	9	8	44
40909	41275	2012	2013	0	0	2	3	4	3	2	0	4	3	4	9	8	43
41275	41640	2013	2014	0	0	2	3	4	3	2	0	4	3	4	9	7	42
41640	42005	2014	2015	0	0	2	3	3	3	2	0	4	3	4	9	7	42
42005	42370	2015	2016	0	0	2	3	3	3	2	0	4	3	4	9	7	41
42370	42736	2016	2017	0	0	2	3	3	3	2	0	4	3	4	9	7	41
42736	43101	2017	2018	0	0	2	3	3	3	2	0	4	3	4	9	7	40
43101	43466	2018	2019	0	0	2	2	3	3	2	0	4	3	4	9	7	40
43466	43831	2019	2020	0	0	2	2	3	3	1	0	4	3	4	9	7	39
43831	44197	2020	2021	0	0	2	2	3	3	1	0	4	3	4	9	7	39
44197	44562	2021	2022	0	0	2	2	3	3	1	0	4	3	4	9	7	38
44562	44927	2022	2023	0	0	1	2	3	3	1	0	4	3	4	9	7	38
44927	45292	2023	2024	0	0	1	2	3	2	1	0	4	3	4	9	7	38
45292	45658	2024	2025	0	0	1	2	3	2	1	0	4	3	4	9	7	38
45658	46023	2025	2026	0	0	1	2	3	2	1	0	4	3	4	9	7	37
46023	46388	2026	2027	0	0	1	2	3	2	1	0	4	3	4	9	7	37
46388	46753	2027	2028	0	0	1	2	3	2	1	0	4	3	4	9	7	37
46753	47119	2028	2029	0	0	1	2	3	2	1	0	4	3	4	9	7	37
47119	47484	2029	2030	0	0	1	2	3	2	1	0	4	3	4	9	7	37
47484	47849	2030	2031	0	0	1	2	3	2	1	0	4	3	4	9	7	36
47849	48214	2031	2032	0	0	1	2	3	2	1	0	4	3	4	9	7	36
48214	48580	2032	2033	0	0	1	2	3	2	1	0	4	3	4	9	7	36
48580	48945	2033	2034	0	0	1	2	3	2	1	0	4	3	4	9	7	36
48945	49310	2034	2035	0	0	1	2	3	2	1	0	4	3	4	9	7	36
49310	49675	2035	2036	0	0	1	2	3	2	1	0	4	3	4	9	6	36
49675	50041	2036	2037	0	0	1	2	2	2	1	0	4	3	4	9	6	36
50041	50406	2037	2038	0	0	1	2	2	2	1	0	4	3	4	9	6	36
50406	50771	2038	2039	0	0	1	2	2	2	1	0	4	3	4	9	6	36
50771	51136	2039	2040	0	0	1	2	2	2	1	0	4	3	4	9	6	35
51136	51502	2040	2041	0	0	1	2	2	2	1	0	4	3	4	9	6	35
51502	51867	2041	2042	0	0	1	2	2	2	1	0	4	3	4	9	6	35
51867	52232	2042	2043	0	0	1	2	2	2	1	0	4	3	4	9	6	35
52232	52597	2043	2044	0	0	1	2	2	2	1	0	4	3	4	9	6	35
52597	52963	2044	2045	0	0	1	2	2	2	1	0	4	3	4	9	6	35
52963	53328	2045	2046	0	0	1	2	2	2	1	0	4	3	4	9	6	35
53328	53693	2046	2047	0	0	1	2	2	2	1	0	4	3	4	9	6	35
53693	54058	2047	2048	0	0	1	2	2	2	1	0	4	3	4	9	6	35
54058	54424	2048	2049	0	0	1	2	2	2	1	0	4	3	4	9	6	35
54424	54789	2049	2050	0	0	1	2	2	2	1	0	4	3	4	9	6	35
54789	55154	2050	2051	0	0	1	2	2	2	1	0	4	3	4	9	6	35
55154	55519	2051	2052	0	0	1	2	2	2	1	0	4	3	4	9	6	35
55519	55885	2052	2053	0	0	1	2	2	2	1	0	4	3	4	9	6	35
55885	56250	2053	2054	0	0	1	2	2	2	1	0	4	3	4	9	6	35
56250	56615	2054	2055	0	0	1	2	2	2	1	0	4	3	4	9	6	35
56615	56980	2055	2056	0	0	1	2	2	2	1	0	4	3	4	9	6	35
56980	57346	2056	2057	0	0	1	2	2	2	1	0	4	3	4	9	6	35
57346	57711	2057	2058	0	0	1	2	2	2	1	0	4	3	4	9	6	35
57711	58076	2058	2059	0	0	1	2	2	2	1	0	4	3	4	9	6	35
58076	58441	2059	2060	0	0	1	2	2	2	1	0	4	3	4	9	6	35
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	0	0	1	2	2	2	1	0	4	3	4	9	6	35
58807	59172	2061	2062	0	0	1	2	2	2	1	0	4	3	4	9	6	35
59172	59537	2062	2063	0	0	1	2	2	2	1	0	4	3	4	9	6	35
59537	59902	2063	2064	0	0	1	2	2	2	1	0	4	3	4	9	6	35
59902	60268	2064	2065	0	0	1	2	2	2	1	0	4	3	4	9	6	35
60268	60633	2065	2066	0	0	1	2	2	2	1	0	4	3	4	9	6	35
60633	60998	2066	2067	0	0	1	2	2	2	1	0	4	3	4	9	6	35
60998	61363	2067	2068	0	0	1	2	2	2	1	0	4	3	4	9	6	35
61363	61729	2068	2069	0	0	1	2	2	2	1	0	4	3	4	9	6	35
61729	62094	2069	2070	0	0	1	2	2	2	1	0	4	3	4	9	6	35
62094	62459	2070	2071	0	0	1	2	2	2	1	0	4	3	4	9	6	35
62459	62824	2071	2072	0	0	1	2	2	2	1	0	4	3	4	9	6	35
62824	63190	2072	2073	0	0	1	2	2	2	1	0	4	3	4	9	6	35
63190	63555	2073	2074	0	0	1	2	2	2	1	0	4	3	4	9	6	35
63555	63920	2074	2075	0	0	1	2	2	2	1	0	4	3	4	9	6	35
63920	64285	2075	2076	0	0	1	2	2	2	1	0	4	3	4	9	6	35
64285	64651	2076	2077	0	0	1	2	2	2	1	0	4	3	4	9	6	35
64651	65016	2077	2078	0	0	1	2	2	2	1	0	4	3	4	9	6	35
65016	65381	2078	2079	0	0	1	2	2	2	1	0	4	3	4	9	6	35
65381	65746	2079	2080	0	0	1	2	2	2	1	0	4	3	4	9	6	35
65746	66112	2080	2081	0	0	1	2	2	2	1	0	4	3	4	9	6	35
66112	66477	2081	2082	0	0	1	2	2	2	1	0	4	3	4	9	6	35
66477	66842	2082	2083	0	0	1	2	2	2	1	0	4	3	4	9	6	35
66842	67207	2083	2084	0	0	1	2	2	2	1	0	4	3	4	9	6	35
67207	67573	2084	2085	0	0	1	2	2	2	1	0	4	3	4	9	6	35
67573	67938	2085	2086	0	0	1	2	2	2	1	0	4	3	4	9	6	35
67938	68303	2086	2087	0	0	1	2	2	2	1	0	4	3	4	9	6	35
68303	68668	2087	2088	0	0	1	2	2	2	1	0	4	3	4	9	6	35
68668	69034	2088	2089	0	0	1	2	2	2	1	0	4	3	4	9	6	35
69034	69399	2089	2090	0	0	1	2	2	2	1	0	4	3	4	9	6	35
69399	69764	2090	2091	0	0	1	2	2	2	1	0	4	3	4	9	6	35
69764	70129	2091	2092	0	0	1	2	2	2	1	0	4	3	4	9	6	35
70129	70495	2092	2093	0	0	1	2	2	2	1	0	4	3	4	9	6	35
70495	70860	2093	2094	0	0	1	2	2	2	1	0	4	3	4	9	6	35
70860	71225	2094	2095	0	0	1	2	2	2	1	0	4	3	4	9	6	35
71225	71590	2095	2096	0	0	1	2	2	2	1	0	4	3	4	9	6	35
71590	71956	2096	2097	0	0	1	2	2	2	1	0	4	3	4	9	6	35
71956	72321	2097	2098	0	0	1	2	2	2	1	0	4	3	4	9	6	35
72321	72686	2098	2099	0	0	1	2	2	2	1	0	4	3	4	9	6	35
72686	73051	2099	2100	0	0	1	2	2	2	1	0	4	3	4	9	6	35
73051	73416	2100	2101	0	0	1	2	2	2	1	0	4	3	4	9	6	35
73416	73781	2101	2102	0	0	1	2	2	2	1	0	4	3	4	9	6	35
73781	74146	2102	2103	0	0	1	2	2	2	1	0	4	3	4	9	6	35
74146	74511	2103	2104	0	0	1	2	2	2	1	0	4	3	4	9	6	35
74511	74877	2104	2105	0	0	1	2	2	2	1	0	4	3	4	9	6	35
74877	75242	2105	2106	0	0	1	2	2	2	1	0	4	3	4	9	6	35
75242	75607	2106	2107	0	0	1	2	2	2	1	0	4	3	4	9	6	35
75607	75972	2107	2108	0	0	1	2	2	2	1	0	4	3	4	9	6	35
75972	76338	2108	2109	0	0	1	2	2	2	1	0	4	3	4	9	6	35
76338	76703	2109	2110	0	0	1	2	2	2	1	0	4	3	4	9	6	35
76703	77068	2110	2111	0	0	1	2	2	2	1	0	4	3	4	9	6	35
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iii)) (Part 3/3)



B-4b (S8b(iii)). Graph of Modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	2	1	21	40	106	537	10	717
7306	10959	1920	1930	0	0	0	0	0	0	2	1	21	40	106	537	10	717
10959	14611	1930	1940	0	0	0	0	1	0	2	1	21	40	106	537	10	717
14611	18264	1940	1950	0	0	0	0	1	0	2	1	21	40	106	537	10	717
18264	21916	1950	1960	13	0	0	0	1	0	2	1	39	42	106	537	12	753
21916	23743	1960	1965	16	0	0	0	1	0	2	1	39	42	106	537	12	756
23743	25569	1965	1970	12	0	0	0	2	0	3	1	40	42	106	537	24	767
25569	27395	1970	1975	24	4	31	54	53	23	17	23	49	59	131	552	183	1203
27395	28126	1975	1977	101	7	52	85	81	44	27	29	64	64	138	556	251	1499
28126	29221	1977	1980	149	30	88	115	110	74	42	34	70	70	144	560	311	1797
29221	31048	1980	1985	187	73	155	168	163	128	75	42	111	84	153	564	398	2300
31048	32143	1985	1988	201	91	185	193	189	157	93	46	129	89	157	566	432	2528
32143	32509	1988	1989	205	97	194	201	197	165	99	47	134	91	158	567	444	2599
32509	32874	1989	1990	207	101	201	207	204	173	101	45	139	92	159	567	453	2651
32874	33239	1990	1991	208	103	206	213	211	179	99	40	142	93	159	567	460	2680
33239	33604	1991	1992	197	105	211	217	216	184	100	37	145	93	158	566	467	2697
33604	33970	1992	1993	194	107	215	222	222	189	102	36	148	94	157	566	472	2722
33970	34151	1993	1993.5	186	108	217	224	224	191	103	36	149	94	157	565	475	2729
34151	34335	1993.5	1994	181	109	220	226	226	194	104	35	150	94	157	565	477	2738
34335	34516	1994	1994.5	172	110	222	228	229	196	105	35	153	96	157	565	482	2749
34516	34700	1994.5	1995	165	111	224	230	231	198	106	35	155	97	157	565	484	2759
34700	34881	1995	1995.5	161	112	226	232	234	201	107	35	157	97	157	565	486	2771
34881	35065	1995.5	1996	159	113	228	234	237	204	109	35	158	98	157	565	488	2784
35065	35247	1996	1996.5	157	114	230	236	239	206	110	35	160	98	157	565	490	2798
35247	35431	1996.5	1997	156	114	232	237	241	209	112	35	162	99	158	566	492	2813
35431	35612	1997	1997.5	155	115	233	238	243	211	113	35	165	100	158	566	493	2826
35612	35796	1997.5	1998	155	116	234	238	244	213	115	35	168	100	158	566	494	2837
35796	35977	1998	1998.5	155	117	235	238	245	215	117	35	170	101	158	566	495	2848
35977	36161	1998.5	1999	155	117	236	238	245	216	119	36	172	102	159	566	495	2857
36161	36342	1999	1999.5	149	118	236	238	246	218	120	36	175	103	159	566	495	2858
36342	36526	1999.5	2000	145	118	237	238	246	219	121	36	177	103	159	566	496	2861
36526	36708	2000	2000.5	135	118	235	235	243	218	118	33	170	103	159	566	479	2812
36708	36892	2000.5	2001	128	115	233	233	241	217	115	31	169	103	159	566	472	2781
36892	37073	2001	2001.5	115	64	203	223	225	210	113	30	168	102	158	566	447	2625
37073	37257	2001.5	2002	104	47	180	208	214	202	111	28	168	102	158	565	428	2514
37257	37438	2002	2002.5	96	38	165	195	206	194	108	27	167	102	157	565	413	2435
37438	37622	2002.5	2003	91	33	154	185	199	187	106	26	167	102	157	565	401	2371
37622	37803	2003	2003.5	86	28	145	177	193	181	103	26	166	102	156	564	391	2319
37803	37987	2003.5	2004	83	25	137	169	187	176	101	25	165	101	156	564	383	2274
37987	38169	2004	2004.5	81	23	131	163	183	171	99	24	165	101	156	564	376	2236
38169	38353	2004.5	2005	78	21	125	157	178	167	98	24	164	101	155	564	369	2202
38353	38534	2005	2005.5	77	19	120	152	174	163	96	24	164	101	155	564	364	2173
38534	38718	2005.5	2006	76	17	116	148	171	160	95	23	163	101	155	564	359	2145
38718	38899	2006	2006.5	74	16	112	144	167	156	93	23	163	100	155	563	354	2121
38899	39083	2006.5	2007	73	15	108	140	164	153	92	22	162	100	154	563	350	2098
39083	39264	2007	2007.5	73	14	105	137	161	150	91	22	161	100	154	563	346	2078
39264	39448	2007.5	2008	72	14	102	134	158	147	89	22	161	100	154	563	343	2058
39448	39630	2008	2008.5	65	13	99	131	156	145	88	21	160	99	154	563	339	2033
39630	39814	2008.5	2009	60	13	96	128	153	142	87	21	159	99	153	563	336	2011
39814	39995	2009	2009.5	27	7	48	69	78	75	66	20	145	58	100	541	303	1538
39995	40179	2009.5	2010	18	5	30	44	47	27	38	16	122	44	87	535	285	1297

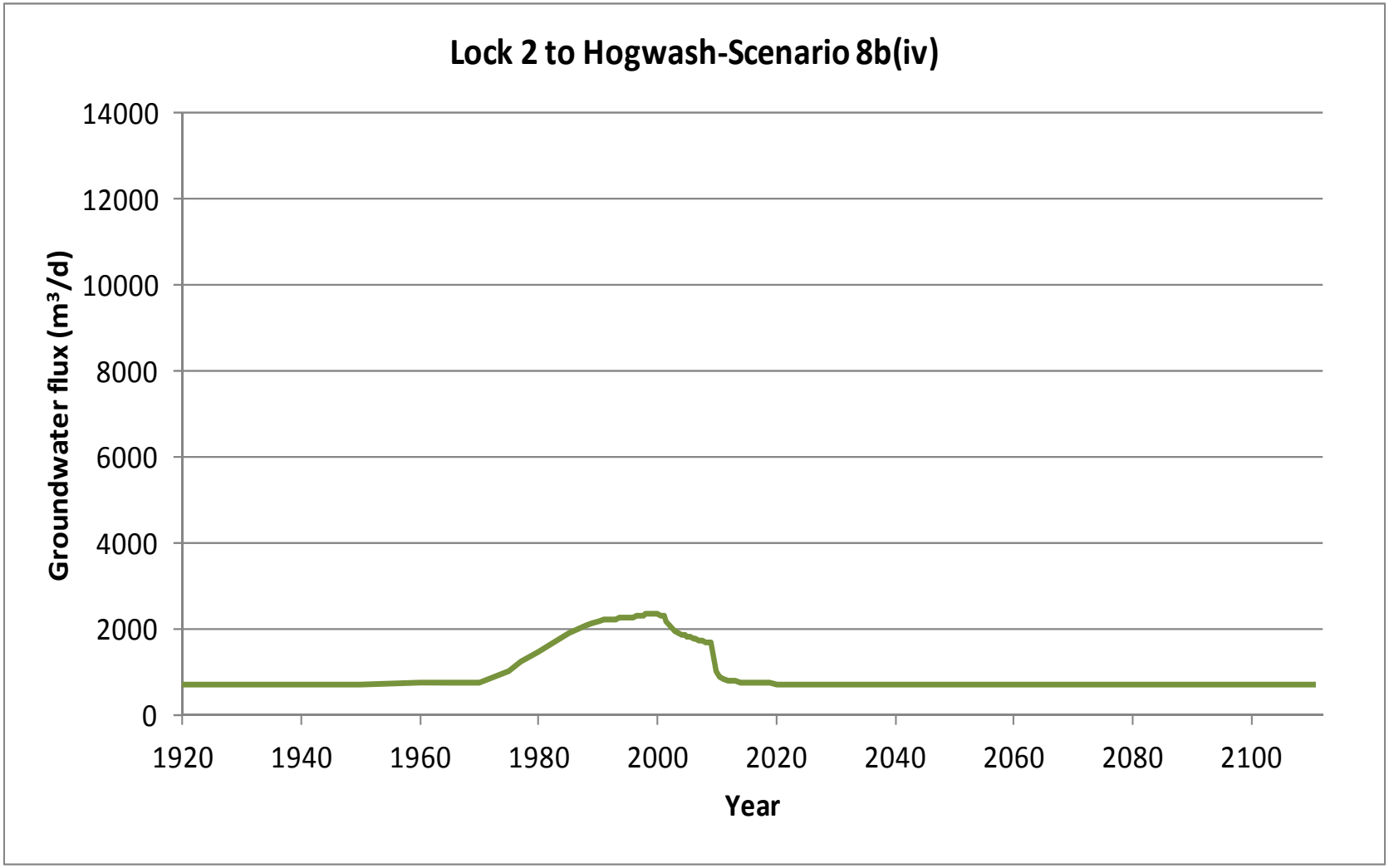
B-4a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
40179	40360	2010	2010.5	13	5	23	32	34	8	25	14	105	38	82	532	273	1184
40360	40544	2010.5	2011	10	4	19	26	28	4	19	12	95	34	80	531	265	1127
40544	40909	2011	2012	7	4	15	20	23	2	14	11	85	30	78	530	253	1070
40909	41275	2012	2013	5	3	13	17	20	1	11	10	80	28	77	529	245	1039
41275	41640	2013	2014	4	3	11	15	18	0	10	9	77	27	76	528	239	1018
41640	42005	2014	2015	3	3	10	13	17	0	9	9	75	26	75	528	234	1002
42005	42370	2015	2016	3	3	9	11	16	0	8	8	73	25	74	528	230	990
42370	42736	2016	2017	3	3	9	10	15	0	8	8	72	24	74	527	227	980
42736	43101	2017	2018	2	3	8	9	15	0	8	8	71	24	73	527	224	972
43101	43466	2018	2019	2	3	8	9	14	0	7	8	70	23	73	527	222	965
43466	43831	2019	2020	2	2	7	8	14	0	7	8	69	23	73	527	220	959
43831	44197	2020	2021	2	2	7	7	13	0	7	7	68	22	72	526	218	954
44197	44562	2021	2022	2	2	7	7	13	0	7	7	68	22	72	526	216	949
44562	44927	2022	2023	1	2	7	7	13	0	6	7	67	22	72	526	215	945
44927	45292	2023	2024	1	2	7	6	13	0	6	7	67	22	72	526	213	942
45292	45658	2024	2025	1	2	6	6	12	0	6	7	66	21	71	526	212	939
45658	46023	2025	2026	1	2	6	6	12	0	6	7	66	21	71	526	211	936
46023	46388	2026	2027	1	2	6	6	12	0	6	7	65	21	71	526	210	933
46388	46753	2027	2028	1	2	6	5	12	0	6	7	65	21	71	525	209	931
46753	47119	2028	2029	1	2	6	5	12	0	6	7	65	21	71	525	208	929
47119	47484	2029	2030	1	2	6	5	11	0	6	7	65	21	71	525	208	927
47484	47849	2030	2031	1	2	6	5	11	0	6	7	64	20	71	525	207	925
47849	48214	2031	2032	1	2	6	5	11	0	6	7	64	20	71	525	206	924
48214	48580	2032	2033	1	2	5	5	11	0	6	7	64	20	71	525	206	922
48580	48945	2033	2034	1	2	5	5	11	0	6	7	64	20	70	525	205	921
48945	49310	2034	2035	1	2	5	4	11	0	6	7	64	20	70	525	205	920
49310	49675	2035	2036	1	2	5	4	11	0	6	7	64	20	70	525	204	919
49675	50041	2036	2037	1	2	5	4	11	0	6	7	64	20	70	525	204	918
50041	50406	2037	2038	1	2	5	4	11	0	6	6	63	20	70	525	203	917
50406	50771	2038	2039	1	2	5	4	11	0	6	6	63	20	70	525	203	916
50771	51136	2039	2040	1	2	5	4	11	0	6	6	63	20	70	525	203	916
51136	51502	2040	2041	1	2	5	4	11	0	6	6	63	20	70	525	202	915
51502	51867	2041	2042	1	2	5	4	11	0	6	6	63	20	70	525	202	915
51867	52232	2042	2043	1	2	5	4	11	0	6	6	63	20	70	525	202	914
52232	52597	2043	2044	1	2	5	4	10	0	6	6	63	20	70	525	202	914
52597	52963	2044	2045	1	2	5	4	10	0	6	6	63	20	70	525	202	913
52963	53328	2045	2046	1	2	5	4	10	0	6	6	63	20	70	525	201	913
53328	53693	2046	2047	1	2	5	4	10	0	6	6	63	20	70	525	201	913
53693	54058	2047	2048	1	2	5	4	10	0	6	6	63	20	70	525	201	912
54058	54424	2048	2049	1	2	5	4	10	0	6	6	63	20	70	525	201	912
54424	54789	2049	2050	1	2	5	4	10	0	6	6	63	20	70	525	201	912
54789	55154	2050	2051	1	2	5	4	10	0	6	6	63	20	70	525	201	912
55154	55519	2051	2052	1	2	5	4	10	0	6	6	63	20	70	525	201	912
55519	55885	2052	2053	1	2	5	4	10	0	6	6	63	20	70	525	201	911
55885	56250	2053	2054	1	2	5	4	10	0	6	6	63	20	70	525	201	911
56250	56615	2054	2055	1	2	5	4	10	0	6	6	63	20	70	525	201	911
56615	56980	2055	2056	1	2	5	4	10	0	6	6	63	20	70	525	200	911
56980	57346	2056	2057	1	2	5	4	10	0	6	6	63	20	70	525	200	911
57346	57711	2057	2058	1	2	5	4	10	0	6	6	63	20	70	525	200	911
57711	58076	2058	2059	1	2	5	4	10	0	5	6	63	20	70	525	200	911
58076	58441	2059	2060	1	2	5	4	10	0	5	6	63	20	70	525	200	910

B-4a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total flux (m^3/d)
58441	58807	2060	2061	1	2	5	4	10	0	5	6	63	20	70	525	200	910
58807	59172	2061	2062	1	2	5	4	10	0	5	6	63	20	70	525	200	910
59172	59537	2062	2063	1	2	5	4	10	0	5	6	63	20	70	525	200	910
59537	59902	2063	2064	1	2	5	4	10	0	5	6	63	20	70	525	200	910
59902	60268	2064	2065	1	2	5	4	10	0	5	6	63	20	70	525	200	910
60268	60633	2065	2066	1	2	5	4	10	0	5	6	63	20	70	525	200	910
60633	60998	2066	2067	1	2	5	4	10	0	5	6	63	20	70	525	200	910
60998	61363	2067	2068	1	2	5	4	10	0	5	6	63	20	70	525	200	910
61363	61729	2068	2069	1	2	5	4	10	0	5	6	63	20	70	525	200	910
61729	62094	2069	2070	1	2	5	4	10	0	5	6	63	20	70	525	200	910
62094	62459	2070	2071	1	2	5	4	10	0	5	6	63	20	70	525	200	910
62459	62824	2071	2072	1	2	5	4	10	0	5	6	63	20	70	525	200	910
62824	63190	2072	2073	1	2	5	4	10	0	5	6	63	20	70	525	200	910
63190	63555	2073	2074	1	2	5	4	10	0	5	6	63	20	70	525	200	910
63555	63920	2074	2075	1	2	5	4	10	0	5	6	63	20	70	525	200	910
63920	64285	2075	2076	1	2	5	4	10	0	5	6	63	20	70	525	200	910
64285	64651	2076	2077	1	2	5	4	10	0	5	6	63	20	70	525	200	910
64651	65016	2077	2078	1	2	5	4	10	0	5	6	63	20	70	525	200	910
65016	65381	2078	2079	1	2	5	4	10	0	5	6	63	20	70	525	200	910
65381	65746	2079	2080	1	2	5	4	10	0	5	6	63	20	70	525	200	910
65746	66112	2080	2081	1	2	5	4	10	0	5	6	63	20	70	525	200	910
66112	66477	2081	2082	1	2	5	4	10	0	5	6	63	20	70	525	200	910
66477	66842	2082	2083	1	2	5	4	10	0	5	6	63	20	70	525	200	910
66842	67207	2083	2084	1	2	5	4	10	0	5	6	63	20	70	525	200	910
67207	67573	2084	2085	1	2	5	4	10	0	5	6	63	20	70	525	200	910
67573	67938	2085	2086	1	2	5	4	10	0	5	6	63	20	70	525	200	910
67938	68303	2086	2087	1	2	5	4	10	0	5	6	63	20	70	525	200	910
68303	68668	2087	2088	1	2	5	4	10	0	5	6	63	20	70	525	200	910
68668	69034	2088	2089	1	2	5	4	10	0	5	6	63	20	70	525	200	910
69034	69399	2089	2090	1	2	5	4	10	0	5	6	63	20	70	525	200	910
69399	69764	2090	2091	1	2	5	4	10	0	5	6	63	20	70	525	200	910
69764	70129	2091	2092	1	2	5	4	10	0	5	6	63	20	70	525	200	910
70129	70495	2092	2093	1	2	5	4	10	0	5	6	63	20	70	525	200	910
70495	70860	2093	2094	1	2	5	4	10	0	5	6	63	20	70	525	200	910
70860	71225	2094	2095	1	2	5	4	10	0	5	6	63	20	70	525	200	910
71225	71590	2095	2096	1	2	5	4	10	0	5	6	63	20	70	525	200	910
71590	71956	2096	2097	1	2	5	4	10	0	5	6	63	20	70	525	200	910
71956	72321	2097	2098	1	2	5	4	10	0	5	6	63	20	70	525	200	910
72321	72686	2098	2099	1	2	5	4	10	0	5	6	63	20	70	525	200	910
72686	73051	2099	2100	1	2	5	4	10	0	5	6	63	20	70	525	200	910
73051	73416	2100	2101	1	2	5	4	10	0	5	6	63	20	70	525	200	910
73416	73781	2101	2102	1	2	5	4	10	0	5	6	63	20	70	525	200	910
73781	74146	2102	2103	1	2	5	4	10	0	5	6	63	20	70	525	200	910
74146	74511	2103	2104	1	2	5	4	10	0	5	6	63	20	70	525	200	910
74511	74877	2104	2105	1	2	5	4	10	0	5	6	63	20	70	525	200	910
74877	75242	2105	2106	1	2	5	4	10	0	5	6	63	20	70	525	200	910
75242	75607	2106	2107	1	2	5	4	10	0	5	6	63	20	70	525	200	910
75607	75972	2107	2108	1	2	5	4	10	0	5	6	63	20	70	525	200	910
75972	76338	2108	2109	1	2	5	4	10	0	5	6	63	20	70	525	200	910
76338	76703	2109	2110	1	2	5	4	10	0	5	6	63	20	70	525	200	910
76703	77068	2110	2111	1	2	5	4	10	0	5	6	63	20	70	525	200	910

B-4a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iv)) (Part 3/3)



B-4a (S8b(iv)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
0	7306	1900	1920	0	0	0	0	0	0	0	0	1	1	3	8	0	13
7306	10959	1920	1930	0	0	0	0	0	0	0	0	1	1	3	8	0	13
10959	14611	1930	1940	0	0	0	0	0	0	0	0	1	1	3	8	0	13
14611	18264	1940	1950	0	0	0	0	0	0	0	0	1	1	3	8	0	13
18264	21916	1950	1960	0	0	0	0	0	0	0	0	1	1	3	8	0	14
21916	23743	1960	1965	0	0	0	0	0	0	0	0	1	1	3	8	0	14
23743	25569	1965	1970	0	0	0	0	0	0	0	0	1	1	3	8	1	15
25569	27395	1970	1975	0	0	1	1	1	1	0	1	1	2	4	9	4	25
27395	28126	1975	1977	1	0	1	2	2	1	1	1	2	2	4	9	6	32
28126	29221	1977	1980	1	1	2	3	3	2	1	1	2	2	4	9	7	39
29221	31048	1980	1985	2	2	4	4	4	3	2	1	3	3	4	9	10	51
31048	32143	1985	1988	2	2	5	5	5	4	2	1	4	3	4	9	10	57
32143	32509	1988	1989	2	3	5	5	5	4	2	1	4	3	4	9	11	58
32509	32874	1989	1990	2	3	5	6	5	5	2	1	4	3	4	9	11	60
32874	33239	1990	1991	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33239	33604	1991	1992	2	3	6	6	6	5	2	1	4	3	4	9	11	61
33604	33970	1992	1993	2	3	6	6	6	5	2	1	4	3	4	9	11	62
33970	34151	1993	1993.5	2	3	6	6	6	5	2	1	4	3	4	9	11	62
34151	34335	1993.5	1994	2	3	6	6	6	5	2	1	4	3	4	9	11	63
34335	34516	1994	1994.5	1	3	6	6	6	5	2	1	4	3	4	9	12	63
34516	34700	1994.5	1995	1	3	6	6	6	5	2	1	5	3	4	9	12	63
34700	34881	1995	1995.5	1	3	6	6	6	5	2	1	5	3	4	9	12	64
34881	35065	1995.5	1996	1	3	6	6	6	5	2	1	5	3	4	9	12	64
35065	35247	1996	1996.5	1	3	6	6	6	5	2	1	5	3	4	9	12	65
35247	35431	1996.5	1997	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35431	35612	1997	1997.5	1	3	6	6	6	6	2	1	5	3	4	9	12	65
35612	35796	1997.5	1998	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35796	35977	1998	1998.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
35977	36161	1998.5	1999	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36161	36342	1999	1999.5	1	3	6	6	7	6	3	1	5	3	4	9	12	66
36342	36526	1999.5	2000	1	3	6	6	7	6	3	1	5	3	4	9	12	67
36526	36708	2000	2000.5	1	3	6	6	6	6	3	1	5	3	4	9	12	65
36708	36892	2000.5	2001	1	3	6	6	6	6	3	1	5	3	4	9	11	65
36892	37073	2001	2001.5	1	2	5	6	6	6	2	1	5	3	4	9	11	61
37073	37257	2001.5	2002	1	1	5	6	6	5	2	1	5	3	4	9	10	58
37257	37438	2002	2002.5	1	1	4	5	5	5	2	1	5	3	4	9	10	56
37438	37622	2002.5	2003	1	1	4	5	5	5	2	1	5	3	4	9	10	55
37622	37803	2003	2003.5	1	1	4	5	5	5	2	1	5	3	4	9	9	53
37803	37987	2003.5	2004	1	1	4	5	5	5	2	1	5	3	4	9	9	52
37987	38169	2004	2004.5	1	1	3	4	5	5	2	1	5	3	4	9	9	51
38169	38353	2004.5	2005	1	1	3	4	5	4	2	1	5	3	4	9	9	51
38353	38534	2005	2005.5	1	1	3	4	5	4	2	1	5	3	4	9	9	50
38534	38718	2005.5	2006	1	0	3	4	5	4	2	1	5	3	4	9	9	49
38718	38899	2006	2006.5	1	0	3	4	4	4	2	0	5	3	4	9	8	49
38899	39083	2006.5	2007	1	0	3	4	4	4	2	0	5	3	4	9	8	48
39083	39264	2007	2007.5	1	0	3	4	4	4	2	0	5	3	4	9	8	47
39264	39448	2007.5	2008	1	0	3	4	4	4	2	0	5	3	4	9	8	47
39448	39630	2008	2008.5	1	0	3	3	4	4	2	0	5	3	4	9	8	46
39630	39814	2008.5	2009	1	0	3	3	4	4	2	0	5	3	4	9	8	46
39814	39995	2009	2009.5	0	0	1	2	2	2	1	0	4	2	3	8	7	34
39995	40179	2009.5	2010	0	0	1	1	1	1	1	0	4	1	2	8	7	28
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

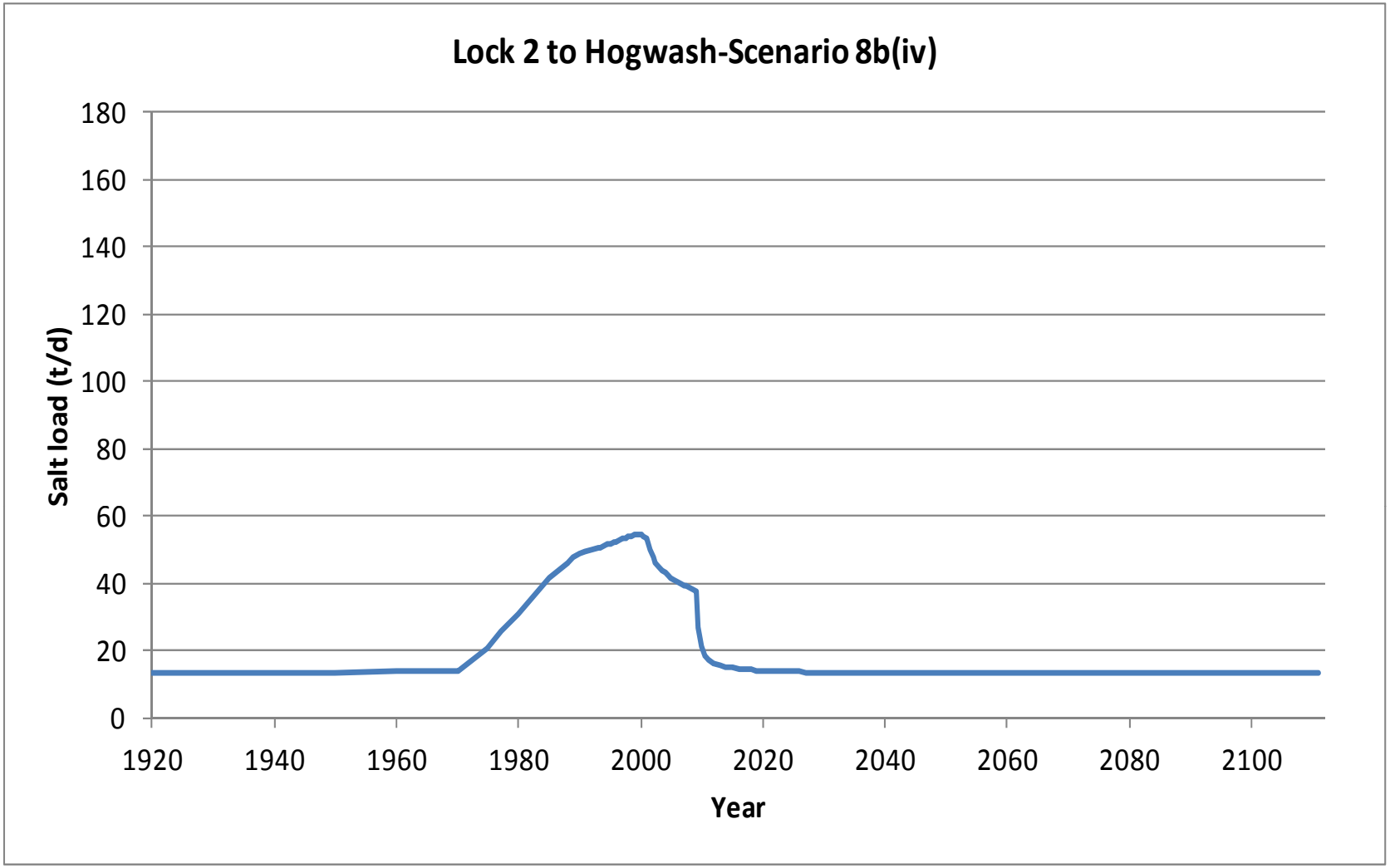
B-4b (S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
40179	40360	2010	2010.5	0	0	1	1	1	0	1	0	3	1	2	8	7	25
40360	40544	2010.5	2011	0	0	1	1	1	0	0	0	3	1	2	8	6	24
40544	40909	2011	2012	0	0	0	1	1	0	0	0	2	1	2	8	6	22
40909	41275	2012	2013	0	0	0	0	1	0	0	0	2	1	2	8	6	21
41275	41640	2013	2014	0	0	0	0	0	0	0	0	2	1	2	8	6	21
41640	42005	2014	2015	0	0	0	0	0	0	0	0	2	1	2	8	6	20
42005	42370	2015	2016	0	0	0	0	0	0	0	0	2	1	2	8	6	20
42370	42736	2016	2017	0	0	0	0	0	0	0	0	2	1	2	8	5	20
42736	43101	2017	2018	0	0	0	0	0	0	0	0	2	1	2	8	5	20
43101	43466	2018	2019	0	0	0	0	0	0	0	0	2	1	2	8	5	20
43466	43831	2019	2020	0	0	0	0	0	0	0	0	2	1	2	8	5	19
43831	44197	2020	2021	0	0	0	0	0	0	0	0	2	1	2	8	5	19
44197	44562	2021	2022	0	0	0	0	0	0	0	0	2	1	2	8	5	19
44562	44927	2022	2023	0	0	0	0	0	0	0	0	2	1	2	8	5	19
44927	45292	2023	2024	0	0	0	0	0	0	0	0	2	1	2	8	5	19
45292	45658	2024	2025	0	0	0	0	0	0	0	0	2	1	2	8	5	19
45658	46023	2025	2026	0	0	0	0	0	0	0	0	2	1	2	8	5	19
46023	46388	2026	2027	0	0	0	0	0	0	0	0	2	1	2	8	5	19
46388	46753	2027	2028	0	0	0	0	0	0	0	0	2	1	2	8	5	19
46753	47119	2028	2029	0	0	0	0	0	0	0	0	2	1	2	8	5	19
47119	47484	2029	2030	0	0	0	0	0	0	0	0	2	1	2	8	5	19
47484	47849	2030	2031	0	0	0	0	0	0	0	0	2	1	2	8	5	19
47849	48214	2031	2032	0	0	0	0	0	0	0	0	2	1	2	8	5	19
48214	48580	2032	2033	0	0	0	0	0	0	0	0	2	1	2	8	5	18
48580	48945	2033	2034	0	0	0	0	0	0	0	0	2	1	2	8	5	18
48945	49310	2034	2035	0	0	0	0	0	0	0	0	2	1	2	8	5	18
49310	49675	2035	2036	0	0	0	0	0	0	0	0	2	1	2	8	5	18
49675	50041	2036	2037	0	0	0	0	0	0	0	0	2	1	2	8	5	18
50041	50406	2037	2038	0	0	0	0	0	0	0	0	2	1	2	8	5	18
50406	50771	2038	2039	0	0	0	0	0	0	0	0	2	1	2	8	5	18
50771	51136	2039	2040	0	0	0	0	0	0	0	0	2	1	2	8	5	18
51136	51502	2040	2041	0	0	0	0	0	0	0	0	2	1	2	8	5	18
51502	51867	2041	2042	0	0	0	0	0	0	0	0	2	1	2	8	5	18
51867	52232	2042	2043	0	0	0	0	0	0	0	0	2	1	2	8	5	18
52232	52597	2043	2044	0	0	0	0	0	0	0	0	2	1	2	8	5	18
52597	52963	2044	2045	0	0	0	0	0	0	0	0	2	1	2	8	5	18
52963	53328	2045	2046	0	0	0	0	0	0	0	0	2	1	2	8	5	18
53328	53693	2046	2047	0	0	0	0	0	0	0	0	2	1	2	8	5	18
53693	54058	2047	2048	0	0	0	0	0	0	0	0	2	1	2	8	5	18
54058	54424	2048	2049	0	0	0	0	0	0	0	0	2	1	2	8	5	18
54424	54789	2049	2050	0	0	0	0	0	0	0	0	2	1	2	8	5	18
54789	55154	2050	2051	0	0	0	0	0	0	0	0	2	1	2	8	5	18
55154	55519	2051	2052	0	0	0	0	0	0	0	0	2	1	2	8	5	18
55519	55885	2052	2053	0	0	0	0	0	0	0	0	2	1	2	8	5	18
55885	56250	2053	2054	0	0	0	0	0	0	0	0	2	1	2	8	5	18
56250	56615	2054	2055	0	0	0	0	0	0	0	0	2	1	2	8	5	18
56615	56980	2055	2056	0	0	0	0	0	0	0	0	2	1	2	8	5	18
56980	57346	2056	2057	0	0	0	0	0	0	0	0	2	1	2	8	5	18
57346	57711	2057	2058	0	0	0	0	0	0	0	0	2	1	2	8	5	18
57711	58076	2058	2059	0	0	0	0	0	0	0	0	2	1	2	8	5	18
58076	58441	2059	2060	0	0	0	0	0	0	0	0	2	1	2	8	5	18
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Cliff seepage Drainage out Z82	Total salt load (m^3/d)
58441	58807	2060	2061	0	0	0	0	0	0	0	0	2	1	2	8	5	18
58807	59172	2061	2062	0	0	0	0	0	0	0	0	2	1	2	8	5	18
59172	59537	2062	2063	0	0	0	0	0	0	0	0	2	1	2	8	5	18
59537	59902	2063	2064	0	0	0	0	0	0	0	0	2	1	2	8	5	18
59902	60268	2064	2065	0	0	0	0	0	0	0	0	2	1	2	8	5	18
60268	60633	2065	2066	0	0	0	0	0	0	0	0	2	1	2	8	5	18
60633	60998	2066	2067	0	0	0	0	0	0	0	0	2	1	2	8	5	18
60998	61363	2067	2068	0	0	0	0	0	0	0	0	2	1	2	8	5	18
61363	61729	2068	2069	0	0	0	0	0	0	0	0	2	1	2	8	5	18
61729	62094	2069	2070	0	0	0	0	0	0	0	0	2	1	2	8	5	18
62094	62459	2070	2071	0	0	0	0	0	0	0	0	2	1	2	8	5	18
62459	62824	2071	2072	0	0	0	0	0	0	0	0	2	1	2	8	5	18
62824	63190	2072	2073	0	0	0	0	0	0	0	0	2	1	2	8	5	18
63190	63555	2073	2074	0	0	0	0	0	0	0	0	2	1	2	8	5	18
63555	63920	2074	2075	0	0	0	0	0	0	0	0	2	1	2	8	5	18
63920	64285	2075	2076	0	0	0	0	0	0	0	0	2	1	2	8	5	18
64285	64651	2076	2077	0	0	0	0	0	0	0	0	2	1	2	8	5	18
64651	65016	2077	2078	0	0	0	0	0	0	0	0	2	1	2	8	5	18
65016	65381	2078	2079	0	0	0	0	0	0	0	0	2	1	2	8	5	18
65381	65746	2079	2080	0	0	0	0	0	0	0	0	2	1	2	8	5	18
65746	66112	2080	2081	0	0	0	0	0	0	0	0	2	1	2	8	5	18
66112	66477	2081	2082	0	0	0	0	0	0	0	0	2	1	2	8	5	18
66477	66842	2082	2083	0	0	0	0	0	0	0	0	2	1	2	8	5	18
66842	67207	2083	2084	0	0	0	0	0	0	0	0	2	1	2	8	5	18
67207	67573	2084	2085	0	0	0	0	0	0	0	0	2	1	2	8	5	18
67573	67938	2085	2086	0	0	0	0	0	0	0	0	2	1	2	8	5	18
67938	68303	2086	2087	0	0	0	0	0	0	0	0	2	1	2	8	5	18
68303	68668	2087	2088	0	0	0	0	0	0	0	0	2	1	2	8	5	18
68668	69034	2088	2089	0	0	0	0	0	0	0	0	2	1	2	8	5	18
69034	69399	2089	2090	0	0	0	0	0	0	0	0	2	1	2	8	5	18
69399	69764	2090	2091	0	0	0	0	0	0	0	0	2	1	2	8	5	18
69764	70129	2091	2092	0	0	0	0	0	0	0	0	2	1	2	8	5	18
70129	70495	2092	2093	0	0	0	0	0	0	0	0	2	1	2	8	5	18
70495	70860	2093	2094	0	0	0	0	0	0	0	0	2	1	2	8	5	18
70860	71225	2094	2095	0	0	0	0	0	0	0	0	2	1	2	8	5	18
71225	71590	2095	2096	0	0	0	0	0	0	0	0	2	1	2	8	5	18
71590	71956	2096	2097	0	0	0	0	0	0	0	0	2	1	2	8	5	18
71956	72321	2097	2098	0	0	0	0	0	0	0	0	2	1	2	8	5	18
72321	72686	2098	2099	0	0	0	0	0	0	0	0	2	1	2	8	5	18
72686	73051	2099	2100	0	0	0	0	0	0	0	0	2	1	2	8	5	18
73051	73416	2100	2101	0	0	0	0	0	0	0	0	2	1	2	8	5	18
73416	73781	2101	2102	0	0	0	0	0	0	0	0	2	1	2	8	5	18
73781	74146	2102	2103	0	0	0	0	0	0	0	0	2	1	2	8	5	18
74146	74511	2103	2104	0	0	0	0	0	0	0	0	2	1	2	8	5	18
74511	74877	2104	2105	0	0	0	0	0	0	0	0	2	1	2	8	5	18
74877	75242	2105	2106	0	0	0	0	0	0	0	0	2	1	2	8	5	18
75242	75607	2106	2107	0	0	0	0	0	0	0	0	2	1	2	8	5	18
75607	75972	2107	2108	0	0	0	0	0	0	0	0	2	1	2	8	5	18
75972	76338	2108	2109	0	0	0	0	0	0	0	0	2	1	2	8	5	18
76338	76703	2109	2110	0	0	0	0	0	0	0	0	2	1	2	8	5	18
76703	77068	2110	2111	0	0	0	0	0	0	0	0	2	1	2	8	5	18
			Salinity (mg/L)	8500	26650	26650	26650	26650	26650	22000	22000	29102	32300	28000	15500	24000	

B-4b (S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Lock 2 to Hogwash (Scenario 8b(iv)) (Part 3/3)



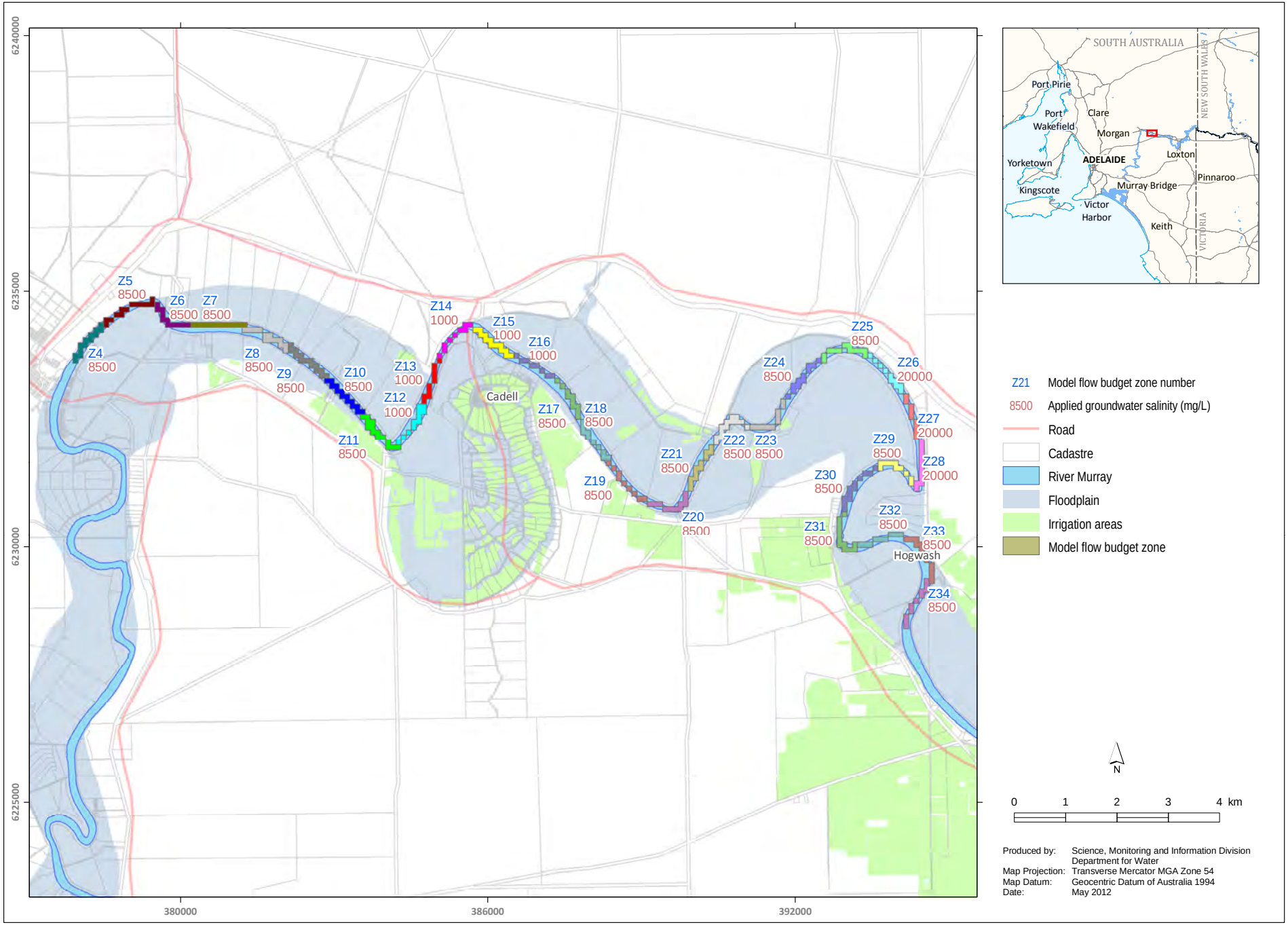
B-4b (S8b(iv)). Graph of modelled salt load (t/d) entering the River Murray in Lock 2 to Hogwash (Scenario 8b(iv))

B-5 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN HOGWASH TO MORGAN

- Model scenario conditions
- Flow budget zones
- Modelled groundwater flux entering the River Murray for the historical model and all scenarios
- Modelled salt load entering the River Murray for the historical model and all scenarios

Scenario	Descriptions	Simulated period	Irrigation development	IIP and RH	SIS
S-1	Natural System (Steady State since 1920)	Steady State	None	No	No
S-2	Mallee Clearance	1988 – CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988 – CY100	Pre-1988	No	No
S-3C	Irrigation Pre-1988, with IIP & RH	1988 – CY100	Pre-1988	Yes	No
S-4	Current irrigation (business as usual)	1988 – CY100	Pre-1988 + Post-1988	Yes	No
S-8A(i)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I only
S-8A(ii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS
S-8A(iii)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8A(iv)	Current irrigation plus constructed SIS	1988 – CY100	Pre-1988 + Post-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
S-8B(i)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I only
S-8B(ii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS
S-8B(iii)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA
S-8B(iv)	Pre-1988, with IIP & RH plus constructed SIS	1988 – CY100	Pre-1988	Yes	Waikerie I + QSTGCS + Waikerie IIA + Waikerie Lock 2
IIP = Improved irrigation practices		*RH = Rehabilitation of irrigation distribution networks*		*SIS = Salt interception scheme*	
CY = Current year		*CY100 = 100 years from the current year*			

B-5. Model scenario conditions



B-5. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Hogwash to Morgan area

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	7672	1920	1921	29	65	17	0	0	0	0	60	157	167	90	221	313	218	21	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	1600
7672	8037	1921	1922	29	65	17	0	0	0	0	145	354	275	124	300	393	289	77	1	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	2310
8037	8402	1922	1923	29	65	17	0	0	0	0	219	488	338	141	340	433	329	124	15	1	0	0	0	6	101	70	44	19	0	0	0	0	0	0	2782
8402	8767	1923	1924	29	65	17	0	0	0	0	279	584	380	152	366	459	355	157	37	4	0	0	0	6	101	70	44	19	0	0	0	0	0	0	3126
8767	9133	1924	1925	29	65	17	0	0	0	0	327	656	410	160	384	477	373	182	61	6	0	0	0	6	101	70	44	19	0	0	0	0	0	0	3388
9133	9498	1925	1926	30	65	17	0	0	0	0	365	709	431	166	397	490	386	201	79	11	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3586
9498	9863	1926	1927	30	65	18	0	0	0	0	394	749	447	170	406	499	396	215	94	15	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3738
9863	10228	1927	1928	30	65	18	0	0	0	1	418	780	459	173	413	506	403	225	106	18	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3853
10228	10594	1928	1929	30	65	18	0	0	0	1	436	803	468	175	418	511	408	232	114	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3942
10594	10959	1929	1930	30	65	18	0	0	0	2	451	821	475	177	422	515	412	238	121	22	0	0	0	7	101	70	44	19	0	0	0	0	0	0	4010
10959	11324	1930	1931	30	65	18	0	0	0	3	454	813	461	172	404	489	394	236	124	24	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
11324	11689	1931	1932	30	65	18	0	0	0	3	454	806	456	170	400	484	390	233	124	25	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3900
11689	12055	1932	1933	30	66	18	0	0	0	4	454	803	454	170	398	483	389	232	124	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3889
12055	12420	1933	1934	30	66	18	0	0	0	4	455	802	453	169	398	482	388	231	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3885
12420	12785	1934	1935	30	66	18	0	0	0	5	455	801	452	169	397	482	388	231	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3884
12785	13150	1935	1936	30	66	18	0	0	0	5	456	801	452	169	397	482	388	231	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3883
13150	13516	1936	1937	30	66	18	0	0	0	5	456	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3884
13516	13881	1937	1938	30	66	18	0	0	0	5	456	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3884
13881	14246	1938	1939	30	66	18	0	0	0	5	457	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3884
14246	14611	1939	1940	30	66	18	0	0	0	5	457	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3885
14611	14977	1940	1941	30	66	18	0	0	0	5	457	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3885
14977	15342	1941	1942	30	66	18	0	0	0	6	457	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3886
15342	15707	1942	1943	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3886
15707	16072	1943	1944	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
16072	16438	1944	1945	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
16438	16803	1945	1946	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3888
16803	17168	1946	1947	30	66	18	0	0	0	6	458	801	452	169	397	482	388	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3888
17168	17533	1947	1948	30	66	18	0	0	0	6	458	801	452	169	397	482	388	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3888
17533	17899	1948	1949	30	66	18	0	0	0	6	458	801	452	169	397	482	388	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3888
17899	18264	1949	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	388	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3888
18264	18629	1950	1951	30	66	18	0	0	0	6	458	801	452	169	397	482	388	233	126	27	0	0	0	7	101	70	44	20	0	0	0	0	0	9	3905
18629	18994	1951	1952	30	66	18	0	0	0	6	458	801	452	169	397	482	389	234	126	27	0	0	0	7	101	70	44	20	0	0	0	0	0	20	3918
18994	19360	1952	1953	30	66	18	0	0	0	6	458	801	452	169	397	482	389	234	126	27	0	0	0	7	101	70	44	20	0	0	0	0	1	24	3923
19360	19725	1953	1954	30	66	18	0	0	0	6	458	801	452	169	397	482	389	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	25	3925
19725	20090	1954	1955	30	66	18	0	0	0	6	458	801	452	169	397	482	389	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	25	3926
20090	20455	1955	1956	30	66	18	0	0	0	6	458	801	452	169	397	482	389	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3926

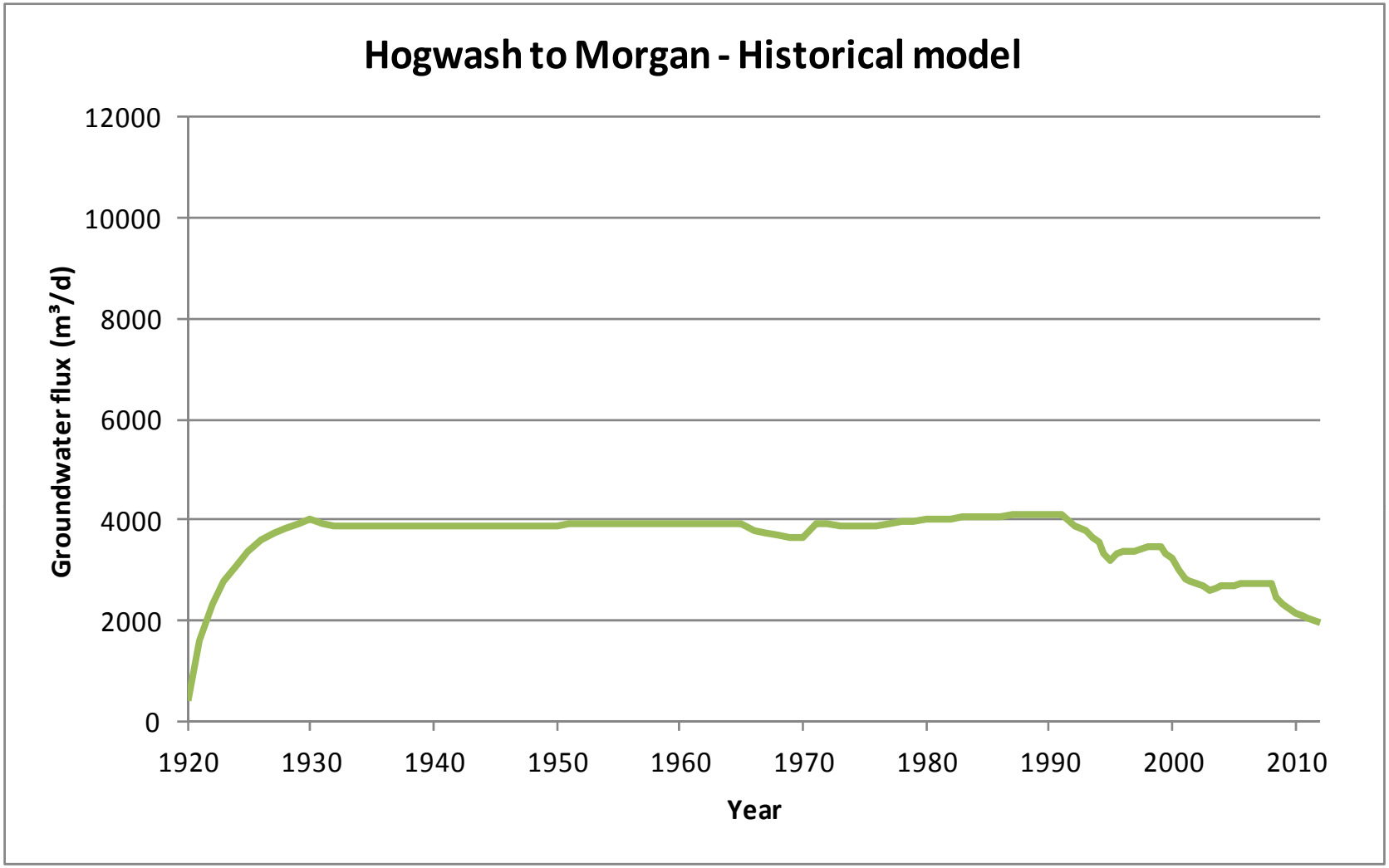
B-5a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Historical model) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
20455	20821	1956	1957	30	66	18	0	0	0	6	458	801	452	169	398	482	389	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
20821	21186	1957	1958	30	66	18	0	0	0	6	458	801	452	169	398	482	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21186	21551	1958	1959	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21551	21916	1959	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	22282	1960	1961	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	2	0	1	28	3932
22282	22647	1961	1962	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	30	3935
22647	23012	1962	1963	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23012	23377	1963	1964	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23377	23743	1964	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3937
23743	24108	1965	1966	30	66	18	0	0	0	6	450	780	433	163	377	453	368	227	124	27	0	0	0	7	101	70	44	20	0	0	3	0	1	27	3796
24108	24473	1966	1967	30	66	18	0	0	0	5	441	763	424	160	370	446	362	221	121	27	0	0	0	7	101	70	44	20	0	0	3	0	1	26	3725
24473	24838	1967	1968	30	66	18	0	0	0	5	434	752	419	159	367	443	359	217	117	26	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3681
24838	25204	1968	1969	30	66	18	0	0	0	5	429	744	415	158	365	441	357	214	115	25	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3652
25204	25569	1969	1970	30	66	18	0	0	0	5	425	738	413	158	363	440	355	212	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3630
25569	25934	1970	1971	30	66	18	0	0	1	47	463	716	394	151	342	411	345	251	253	97	0	0	0	7	102	70	44	21	0	0	87	1	3	24	3944
25934	26299	1971	1972	30	67	18	0	1	1	51	457	697	384	148	335	404	340	249	259	103	0	0	0	7	102	70	45	22	0	0	99	2	6	26	3923
26299	26665	1972	1973	31	67	18	0	2	2	52	450	685	378	147	332	401	337	246	258	104	0	0	0	7	102	70	45	23	0	0	104	3	9	30	3902
26665	27030	1973	1974	31	68	18	0	2	2	52	445	677	375	146	329	399	335	244	257	105	0	0	0	7	102	70	45	23	0	0	108	4	11	34	3887
27030	27395	1974	1975	31	68	18	0	2	2	52	441	671	373	145	328	397	334	242	255	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3877
27395	27760	1975	1976	31	68	18	0	2	2	52	438	667	371	145	327	396	333	240	254	105	0	0	0	7	102	70	45	24	0	0	116	6	13	69	3901
27760	28126	1976	1977	31	68	18	0	2	2	52	435	663	370	144	326	395	332	239	253	105	0	0	0	7	102	70	45	25	0	0	127	10	15	99	3935
28126	28491	1977	1978	31	68	18	0	2	2	52	433	661	369	144	326	395	332	238	252	105	0	0	0	7	102	70	46	25	0	0	138	13	16	121	3965
28491	28856	1978	1979	31	68	18	0	2	2	51	432	659	368	144	325	394	331	238	251	106	0	0	0	7	102	70	46	26	0	0	148	16	18	135	3988
28856	29221	1979	1980	31	68	18	0	2	2	51	430	657	367	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	157	19	20	146	4007
29221	29587	1980	1981	31	68	18	0	2	2	51	430	656	367	144	325	394	331	237	251	107	0	0	0	7	102	70	46	27	0	0	164	22	22	153	4024
29587	29952	1981	1982	31	68	18	0	2	2	51	429	655	366	143	324	393	330	237	251	107	0	0	0	7	102	71	46	27	0	0	170	24	23	159	4038
29952	30317	1982	1983	31	68	18	0	2	2	51	428	655	366	143	324	393	330	236	250	108	0	0	0	7	102	71	47	28	0	0	176	26	25	163	4051
30317	30682	1983	1984	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	250	109	0	0	0	7	102	71	47	28	0	1	181	28	26	167	4063
30682	31048	1984	1985	31	68	18	0	2	2	51	427	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	185	30	27	170	4074
31048	31413	1985	1986	31	68	18	0	2	2	51	427	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	29	0	1	189	31	29	173	4083
31413	31778	1986	1987	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	111	0	0	0	7	102	71	48	29	0	1	192	32	30	176	4092
31778	32143	1987	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	195	34	31	178	4100
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	197	35	31	180	4108
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	181	4111
32874	33239	1990	1991	31	68	18	0	2	2	51	426	653	365	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4110
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	186	34	27	166	3894
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	26	160	3809

B-5a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Historical model) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	170	31	25	153	3638
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	25	147	3542
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	151	28	24	138	3332
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	27	23	130	3206
34700	34881	1995	1995.5	31	68	18	0	1	1	33	376	528	274	114	236	278	235	170	175	138	0	1	3	7	103	72	49	30	0	2	206	30	23	125	3325
34881	35065	1995.5	1996	31	68	18	0	1	1	35	379	525	270	113	232	274	231	165	176	162	1	2	9	7	103	72	49	30	0	5	225	33	23	121	3360
35065	35247	1996	1996.5	31	68	18	0	1	1	35	377	520	267	112	230	272	228	161	176	174	3	4	14	7	104	72	50	30	0	6	234	34	23	119	3369
35247	35431	1996.5	1997	31	68	18	0	1	1	35	375	514	264	111	228	270	226	159	175	180	4	4	17	7	104	73	50	30	0	7	239	34	23	118	3366
35431	35612	1997	1997.5	31	68	18	0	1	1	36	390	513	263	110	227	270	229	158	182	186	6	5	24	7	104	73	50	30	0	8	257	37	23	117	3424
35612	35796	1997.5	1998	31	68	18	0	1	1	37	391	512	263	110	228	270	230	158	184	190	7	6	25	7	105	73	51	30	0	9	272	40	24	116	3456
35796	35977	1998	1998.5	31	68	18	0	1	1	37	390	511	263	110	228	270	230	158	184	194	8	7	27	7	105	73	51	30	0	10	281	42	24	116	3473
35977	36161	1998.5	1999	31	68	18	0	1	1	37	389	509	262	110	227	270	229	158	184	197	9	7	28	7	105	73	51	31	0	11	287	43	24	116	3482
36161	36342	1999	1999.5	31	68	18	0	1	0	34	371	494	250	107	213	248	212	150	165	177	9	6	22	7	105	73	51	31	0	10	286	43	24	111	3316
36342	36526	1999.5	2000	31	68	18	0	1	0	33	362	477	240	103	205	239	204	143	159	174	10	6	23	7	105	73	51	31	0	12	304	45	24	106	3255
36526	36708	2000	2000.5	31	68	18	0	0	0	25	333	450	222	98	186	212	182	131	136	153	11	5	18	7	105	73	51	31	0	11	279	43	23	97	2997
36708	36892	2000.5	2001	31	67	18	0	0	0	23	317	424	207	93	174	199	171	121	127	147	10	5	18	7	105	73	51	30	0	10	272	41	22	88	2852
36892	37073	2001	2001.5	31	67	18	0	0	0	38	320	404	196	90	167	192	164	113	120	147	10	5	17	7	105	73	51	30	0	10	273	41	21	82	2795
37073	37257	2001.5	2002	31	67	18	0	0	0	40	314	388	188	88	162	187	159	107	115	146	10	5	17	7	105	73	51	30	0	10	273	41	20	77	2730
37257	37438	2002	2002.5	30	67	18	0	0	0	40	306	375	182	86	158	183	155	102	110	144	10	5	17	7	105	73	51	30	0	10	273	40	19	73	2673
37438	37622	2002.5	2003	30	67	18	0	0	0	40	299	363	177	85	155	180	152	98	106	143	10	5	17	7	105	73	51	30	0	10	272	40	18	69	2622
37622	37803	2003	2003.5	30	67	18	0	0	0	49	295	354	173	83	153	179	163	113	111	155	11	5	18	7	105	73	51	30	0	11	279	40	18	66	2658
37803	37987	2003.5	2004	30	67	18	0	0	0	51	291	347	170	83	151	178	167	118	114	163	12	6	19	7	105	74	51	30	0	12	285	41	17	64	2672
37987	38169	2004	2004.5	30	67	18	0	0	0	51	288	341	169	82	150	178	176	139	117	167	14	6	20	7	105	74	51	30	0	12	290	41	17	62	2705
38169	38353	2004.5	2005	30	67	18	0	1	1	51	285	337	167	82	150	178	178	144	120	171	15	7	21	7	105	74	51	30	0	13	293	42	16	61	2715
38353	38534	2005	2005.5	31	67	18	0	1	1	51	282	334	166	82	150	178	179	146	122	174	17	8	22	7	105	74	51	31	0	13	295	42	21	61	2730
38534	38718	2005.5	2006	31	67	18	0	1	1	51	280	332	165	82	149	178	179	147	123	177	19	9	23	7	105	74	51	31	0	13	297	43	23	61	2737
38718	38899	2006	2006.5	31	67	18	0	1	1	51	278	330	165	81	149	178	179	147	123	178	19	9	23	7	105	74	52	32	0	13	299	43	24	61	2740
38899	39083	2006.5	2007	31	68	18	0	1	1	51	277	328	164	81	148	177	179	147	123	180	20	9	24	7	105	74	52	32	0	14	302	44	25	61	2741
39083	39264	2007	2007.5	31	68	18	0	1	1	51	275	326	163	81	148	177	179	147	123	181	21	10	24	7	105	74	52	32	0	14	304	45	25	61	2743
39264	39448	2007.5	2008	31	68	18	0	1	1	50	274	324	163	81	148	177	178	146	122	183	23	10	25	7	105	74	52	32	0	14	307	45	26	61	2748
39448	39630	2008	2008.5	31	68	18	0	1	0	34	244	309	151	77	134	154	153	125	99	156	21	8	19	7	105	74	52	33	0	12	269	42	26	56	2477
39630	39814	2008.5	2009	31	67	18	0	0	0	30	232	291	140	74	125	144	143	115	90	145	18	7	16	7	105	74	52	33	0	10	251	38	27	52	2335
39814	39995	2009	2009.5	31	67	18	0	0	0	29	223	277	136	72	120	138	137	111	86	138	15	5	14	7	105	74	52	34	0	9	239	35	28	38	2237
39995	40179	2009.5	2010	31	67	18	0	0	0	28	216	266	131	71	116	134	134	107	81	132	14	4	12	7	105	74	52	34	0	8	226	29	26	30	2152
40179	40360	2010	2010.5	31	67	18	0	0	0	27	210	256	127	70	113	132	131	103	77	128	12	4	11	7	105	74	52	34	0	8	218	26	25	24	2089
40360	40544	2010.5	2011	30	67	18	0	0	0	27	204	248	124	69	111	129	129	100	74	124	11	3	10	7	105	74	52	35	0	7	212	23	25	18	2034
40544	40909	2011	2012	30	67	18	0	0	0	26	195	235	118	68	107	126	125	96	69	119	10	3	9	7	105	74	52	35	0	7	201	19	24	11	1955

B-5a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Historical model) (Part 3/3)



B-5a (Historical model). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	4.6
7306	7672	1920	1921	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	8.0
7672	8037	1921	1922	0	1	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	10.3
8037	8402	1922	1923	0	1	0	0	0	0	0	2	0	0	0	0	0	3	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	12.1
8402	8767	1923	1924	0	1	0	0	0	0	0	2	1	0	0	0	0	3	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	13.5
8767	9133	1924	1925	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	14.7
9133	9498	1925	1926	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	15.6
9498	9863	1926	1927	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	16.3
9863	10228	1927	1928	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	16.8
10228	10594	1928	1929	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.2
10594	10959	1929	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	4	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.5
10959	11324	1930	1931	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.4
11324	11689	1931	1932	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
11689	12055	1932	1933	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
12055	12420	1933	1934	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
12420	12785	1934	1935	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
12785	13150	1935	1936	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
13150	13516	1936	1937	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
13516	13881	1937	1938	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
13881	14246	1938	1939	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
14246	14611	1939	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
14611	14977	1940	1941	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
14977	15342	1941	1942	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
15342	15707	1942	1943	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
15707	16072	1943	1944	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
16072	16438	1944	1945	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
16438	16803	1945	1946	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
16803	17168	1946	1947	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
17168	17533	1947	1948	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
17533	17899	1948	1949	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
17899	18264	1949	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.3
18264	18629	1950	1951	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.5
18629	18994	1951	1952	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
18994	19360	1952	1953	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
19360	19725	1953	1954	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
19725	20090	1954	1955	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
20090	20455	1955	1956	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
			Salinity (mg/L)	8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

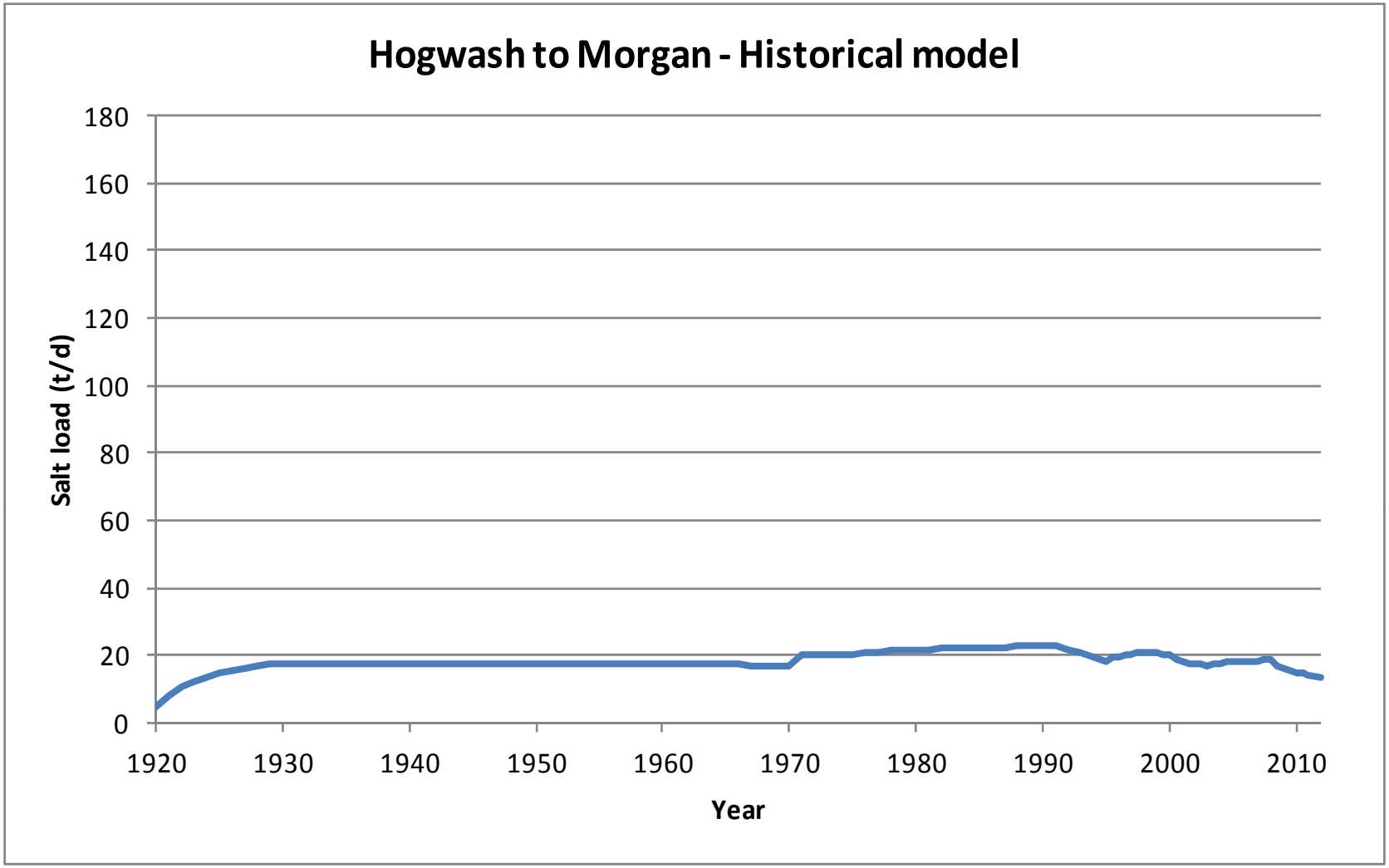
B-5b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Historical model) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
20455	20821	1956	1957	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
20821	21186	1957	1958	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
21186	21551	1958	1959	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
21551	21916	1959	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.6
21916	22282	1960	1961	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.7
22282	22647	1961	1962	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.7
22647	23012	1962	1963	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.7
23012	23377	1963	1964	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.7
23377	23743	1964	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.7
23743	24108	1965	1966	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.2
24108	24473	1966	1967	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17.0
24473	24838	1967	1968	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	16.8
24838	25204	1968	1969	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	16.7
25204	25569	1969	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	16.6
25569	25934	1970	1971	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20.0
25934	26299	1971	1972	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20.2
26299	26665	1972	1973	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20.2
26665	27030	1973	1974	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20.2
27030	27395	1974	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20.2
27395	27760	1975	1976	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	20.5
27760	28126	1976	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	20.8
28126	28491	1977	1978	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	21.1
28491	28856	1978	1979	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	21.4
28856	29221	1979	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	21.5
29221	29587	1980	1981	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	21.7
29587	29952	1981	1982	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	21.9
29952	30317	1982	1983	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22.0
30317	30682	1983	1984	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22.1
30682	31048	1984	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22.2
31048	31413	1985	1986	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22.3
31413	31778	1986	1987	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22.4
31778	32143	1987	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22.5
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22.5
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22.6
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22.6
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21.5
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21.1
			Salinity (mg/L)	8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Historical model) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20.2
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19.7
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18.6
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18.1
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19.3
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19.7
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19.9
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20.0
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20.5
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20.8
35796	35977	1998	1998.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20.9
35977	36161	1998.5	1999	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21.0
36161	36342	1999	1999.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20.1
36342	36526	1999.5	2000	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	20.0
36526	36708	2000	2000.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18.5
36708	36892	2000.5	2001	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.8
36892	37073	2001	2001.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.7
37073	37257	2001.5	2002	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.4
37257	37438	2002	2002.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.1
37438	37622	2002.5	2003	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	16.9
37622	37803	2003	2003.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.3
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.5
37987	38169	2004	2004.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17.9
38169	38353	2004.5	2005	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18.0
38353	38534	2005	2005.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18.2
38534	38718	2005.5	2006	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18.3
38718	38899	2006	2006.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18.3
38899	39083	2006.5	2007	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18.4
39083	39264	2007	2007.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18.4
39264	39448	2007.5	2008	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18.5
39448	39630	2008	2008.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	16.7
39630	39814	2008.5	2009	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15.9
39814	39995	2009	2009.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15.3
39995	40179	2009.5	2010	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14.7
40179	40360	2010	2010.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14.4
40360	40544	2010.5	2011	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14.0
40544	40909	2011	2012	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13.6
			Salinity (mg/L)	8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Historical model) (Part 3/3)



B-5b (Historical model). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan(Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
10959	14611	1930	1940	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
14611	18264	1940	1950	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
18264	21916	1950	1960	30	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	406
21916	23743	1960	1965	30	65	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	407
23743	25569	1965	1970	30	65	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	407
25569	27395	1970	1975	30	65	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	408
27395	28126	1975	1977	30	65	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	408
28126	29221	1977	1980	30	65	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	408
29221	31048	1980	1985	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
31048	32143	1985	1988	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
32143	32509	1988	1989	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
32509	32874	1989	1990	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
32874	33239	1990	1991	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
33239	33604	1991	1992	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
33604	33970	1992	1993	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	409
33970	34151	1993	1993.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
34151	34335	1993.5	1994	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
34335	34516	1994	1994.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
34516	34700	1994.5	1995	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
34700	34881	1995	1995.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
34881	35065	1995.5	1996	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
35065	35247	1996	1996.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
35247	35431	1996.5	1997	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
35431	35612	1997	1997.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
35612	35796	1997.5	1998	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
35796	35977	1998	1998.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
35977	36161	1998.5	1999	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
36161	36342	1999	1999.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
36342	36526	1999.5	2000	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
36526	36708	2000	2000.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
36708	36892	2000.5	2001	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	410
36892	37073	2001	2001.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
37073	37257	2001.5	2002	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
37257	37438	2002	2002.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
37438	37622	2002.5	2003	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
37622	37803	2003	2003.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
37803	37987	2003.5	2004	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
37987	38169	2004	2004.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
38169	38353	2004.5	2005	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
38353	38534	2005	2005.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
38534	38718	2005.5	2006	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
38718	38899	2006	2006.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	411
38899	39083	2006.5	2007	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
39083	39264	2007	2007.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
39264	39448	2007.5	2008	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
39448	39630	2008	2008.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
39630	39814	2008.5	2009	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
39814	39995	2009	2009.5	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
39995	40179	2009.5	2010	30	66	18	0	0	0	0	0	0	2	26	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412

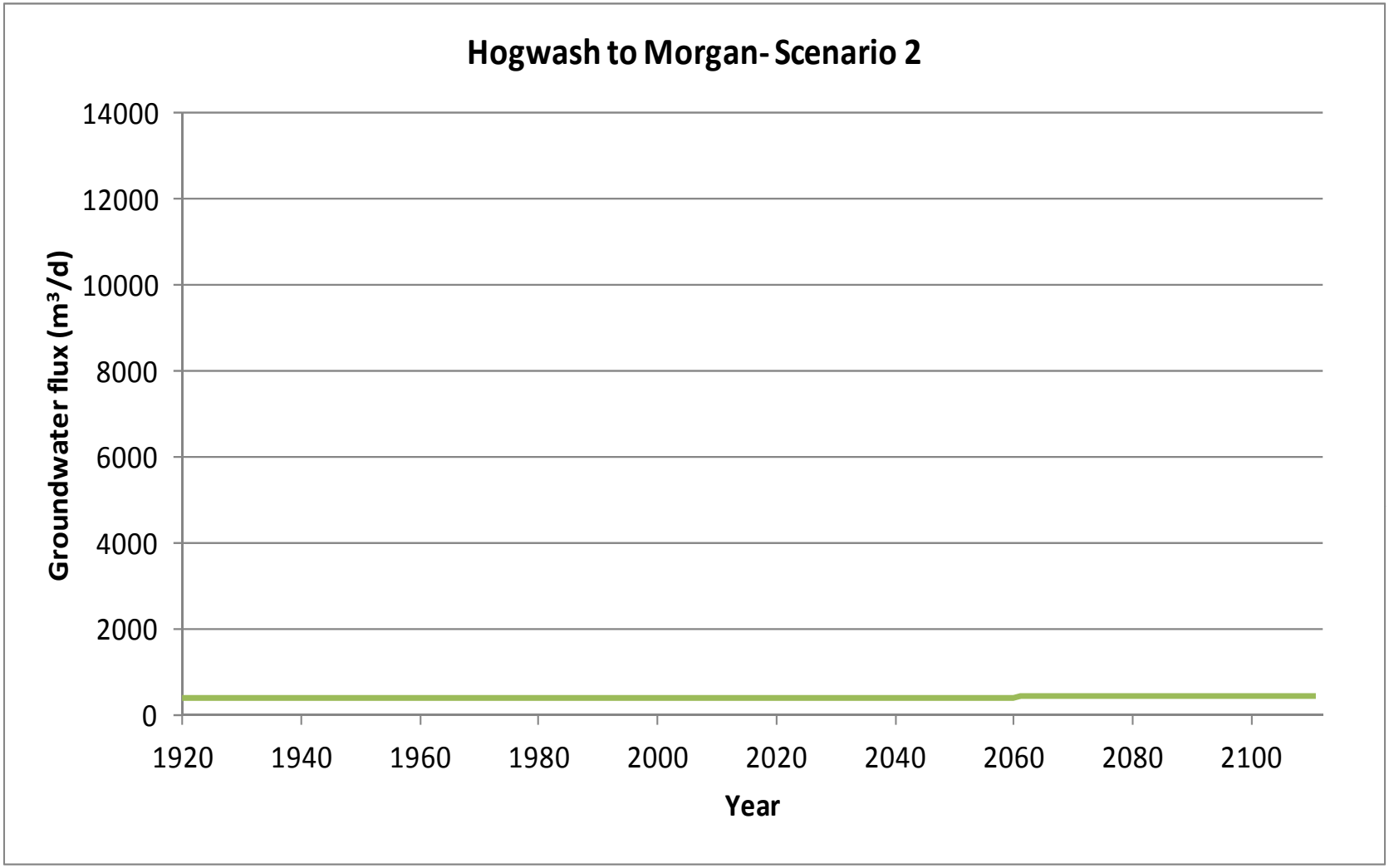
B-5a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 2) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	30	66	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
40360	40544	2010.5	2011	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	0	0	412
40544	40909	2011	2012	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	412
40909	41275	2012	2013	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	413
41275	41640	2013	2014	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	413
41640	42005	2014	2015	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	413
42005	42370	2015	2016	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	413
42370	42736	2016	2017	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	413
42736	43101	2017	2018	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	414
43101	43466	2018	2019	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	414
43466	43831	2019	2020	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	414
43831	44197	2020	2021	31	67	18	0	0	0	0	0	0	2	27	17	5	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	414
44197	44562	2021	2022	31	67	18	0	0	0	0	0	0	2	27	17	6	5	0	0	0	0	0	0	6	101	70	44	20	0	0	0	0	1	0	414
44562	44927	2022	2023	31	67	18	0	0	0	0	0	0	2	27	17	6	5	0	0	0	0	0	0	7	101	70	44	20	0	0	0	0	1	0	415
44927	45292	2023	2024	31	67	18	0	0	0	0	0	0	2	27	17	6	5	0	0	0	0	0	0	7	101	70	44	20	0	0	0	0	1	0	415
45292	45658	2024	2025	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	0	0	1	0	416
45658	46023	2025	2026	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	416
46023	46388	2026	2027	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	416
46388	46753	2027	2028	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	416
46753	47119	2028	2029	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	416
47119	47484	2029	2030	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	417
47484	47849	2030	2031	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	417
47849	48214	2031	2032	31	67	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	1	0	1	0	418
48214	48580	2032	2033	31	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	418
48580	48945	2033	2034	31	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	419
48945	49310	2034	2035	31	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	419
49310	49675	2035	2036	31	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	419
49675	50041	2036	2037	31	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	420
50041	50406	2037	2038	31	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	420
50406	50771	2038	2039	32	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	420
50771	51136	2039	2040	32	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	2	0	1	0	420
51136	51502	2040	2041	32	68	18	0	0	0	0	0	0	2	27	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	421
51502	51867	2041	2042	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	421
51867	52232	2042	2043	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	422
52232	52597	2043	2044	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	422
52597	52963	2044	2045	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	422
52963	53328	2045	2046	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	423
53328	53693	2046	2047	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	3	0	1	0	423
53693	54058	2047	2048	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	4	0	1	0	423
54058	54424	2048	2049	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	44	20	0	0	4	0	1	0	423
54424	54789	2049	2050	32	68	18	0	0	0	0	0	0	2	28	17	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	4	0	1	0	424
54789	55154	2050	2051	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	4	0	1	0	424
55154	55519	2051	2052	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	4	0	1	0	425
55519	55885	2052	2053	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	4	0	1	0	425
55885	56250	2053	2054	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	5	0	1	0	426
56250	56615	2054	2055	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	5	0	1	0	426
56615	56980	2055	2056	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	5	0	1	0	427
56980	57346	2056	2057	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	5	0	1	0	427
57346	57711	2057	2058	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	5	0	1	0	427
57711	58076	2058	2059	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	6	0	1	0	428
58076	58441	2059	2060	32	68	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	6	0	1	0	428

B-5a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 2) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	32	69	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	6	0	1	0	429
58807	59172	2061	2062	32	69	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	7	0	1	0	430
59172	59537	2062	2063	32	69	18	0	0	0	0	0	0	2	28	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	7	0	1	0	430
59537	59902	2063	2064	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	7	0	1	0	431
59902	60268	2064	2065	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	7	0	1	0	431
60268	60633	2065	2066	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	8	0	1	0	432
60633	60998	2066	2067	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	8	0	1	0	432
60998	61363	2067	2068	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	8	0	1	0	433
61363	61729	2068	2069	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	8	0	1	0	433
61729	62094	2069	2070	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	20	0	0	9	0	1	0	433
62094	62459	2070	2071	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	9	0	1	0	435
62459	62824	2071	2072	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	9	0	1	0	435
62824	63190	2072	2073	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	10	0	1	0	436
63190	63555	2073	2074	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	10	0	1	0	437
63555	63920	2074	2075	32	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	10	0	1	0	437
63920	64285	2075	2076	33	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	11	0	1	0	438
64285	64651	2076	2077	33	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	11	0	1	0	438
64651	65016	2077	2078	33	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	11	0	1	0	438
65016	65381	2078	2079	33	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	11	0	1	0	439
65381	65746	2079	2080	33	69	18	0	0	0	0	0	0	2	29	18	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	11	0	1	0	439
65746	66112	2080	2081	33	70	18	0	0	0	0	0	0	2	29	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	12	0	1	0	440
66112	66477	2081	2082	33	70	18	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	12	0	1	0	441
66477	66842	2082	2083	33	70	18	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	12	0	1	0	442
66842	67207	2083	2084	33	70	18	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	13	0	1	0	442
67207	67573	2084	2085	33	70	18	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	13	0	1	0	442
67573	67938	2085	2086	33	70	18	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	13	0	1	0	443
67938	68303	2086	2087	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	13	0	1	0	443
68303	68668	2087	2088	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	13	0	1	0	444
68668	69034	2088	2089	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	13	0	1	0	444
69034	69399	2089	2090	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	101	70	45	21	0	0	14	0	1	0	444
69399	69764	2090	2091	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	102	70	45	21	0	0	14	0	1	0	445
69764	70129	2091	2092	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	102	70	45	21	0	0	14	0	1	0	446
70129	70495	2092	2093	33	70	19	0	0	0	0	0	0	2	30	19	6	6	0	0	0	0	0	0	7	102	70	45	21	0	0	14	0	1	0	447
70495	70860	2093	2094	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	14	0	1	0	447
70860	71225	2094	2095	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	15	0	1	0	448
71225	71590	2095	2096	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	15	0	1	0	448
71590	71956	2096	2097	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	15	0	1	0	448
71956	72321	2097	2098	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	15	0	1	0	449
72321	72686	2098	2099	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	15	0	1	0	449
72686	73051	2099	2100	33	70	19	0	0	0	0	0	0	2	30	19	7	6	0	0	0	0	0	0	7	102	70	45	21	0	0	15	0	1	0	449
73051	73416	2100	2101	33	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	45	21	0	0	15	0	1	0	450
73416	73781	2101	2102	33	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	451
73781	74146	2102	2103	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	452
74146	74511	2103	2104	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	452
74511	74877	2104	2105	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	452
74877	75242	2105	2106	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	453
75242	75607	2106	2107	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	453
75607	75972	2107	2108	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	454
75972	76338	2108	2109	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	454
76338	76703	2109	2110	34	71	19	0	0	0	0	0	0	2	31	19	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	16	0	1	0	454
76703	77068	2110	2111	34	71	19	0	0	0	0	0	0	2	31	20	7	6	0	0	0	0	0	0	7	102	71	46	21	0	0	17	0	1	0	455

B-5a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 2) (Part 3/3)



B-5a (S2). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan(Scenario 2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
10959	14611	1930	1940	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
14611	18264	1940	1950	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
18264	21916	1950	1960	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
21916	23743	1960	1965	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
23743	25569	1965	1970	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
25569	27395	1970	1975	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
27395	28126	1975	1977	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
28126	29221	1977	1980	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
29221	31048	1980	1985	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
31048	32143	1985	1988	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
32143	32509	1988	1989	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
32509	32874	1989	1990	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
32874	33239	1990	1991	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
33239	33604	1991	1992	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
33604	33970	1992	1993	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
33970	34151	1993	1993.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
34151	34335	1993.5	1994	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
34335	34516	1994	1994.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
34516	34700	1994.5	1995	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
34700	34881	1995	1995.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
34881	35065	1995.5	1996	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
35065	35247	1996	1996.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
35247	35431	1996.5	1997	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
35431	35612	1997	1997.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
35612	35796	1997.5	1998	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
35796	35977	1998	1998.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
35977	36161	1998.5	1999	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
36161	36342	1999	1999.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
36342	36526	1999.5	2000	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
36526	36708	2000	2000.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
36708	36892	2000.5	2001	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
36892	37073	2001	2001.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
37073	37257	2001.5	2002	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
37257	37438	2002	2002.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
37438	37622	2002.5	2003	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
37622	37803	2003	2003.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
37803	37987	2003.5	2004	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
37987	38169	2004	2004.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
38169	38353	2004.5	2005	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
38353	38534	2005	2005.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
38534	38718	2005.5	2006	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
38718	38899	2006	2006.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
38899	39083	2006.5	2007	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
39083	39264	2007	2007.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
39264	39448	2007.5	2008	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
39448	39630	2008	2008.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
39630	39814	2008.5	2009	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
39814	39995	2009	2009.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
39995	40179	2009.5	2010	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

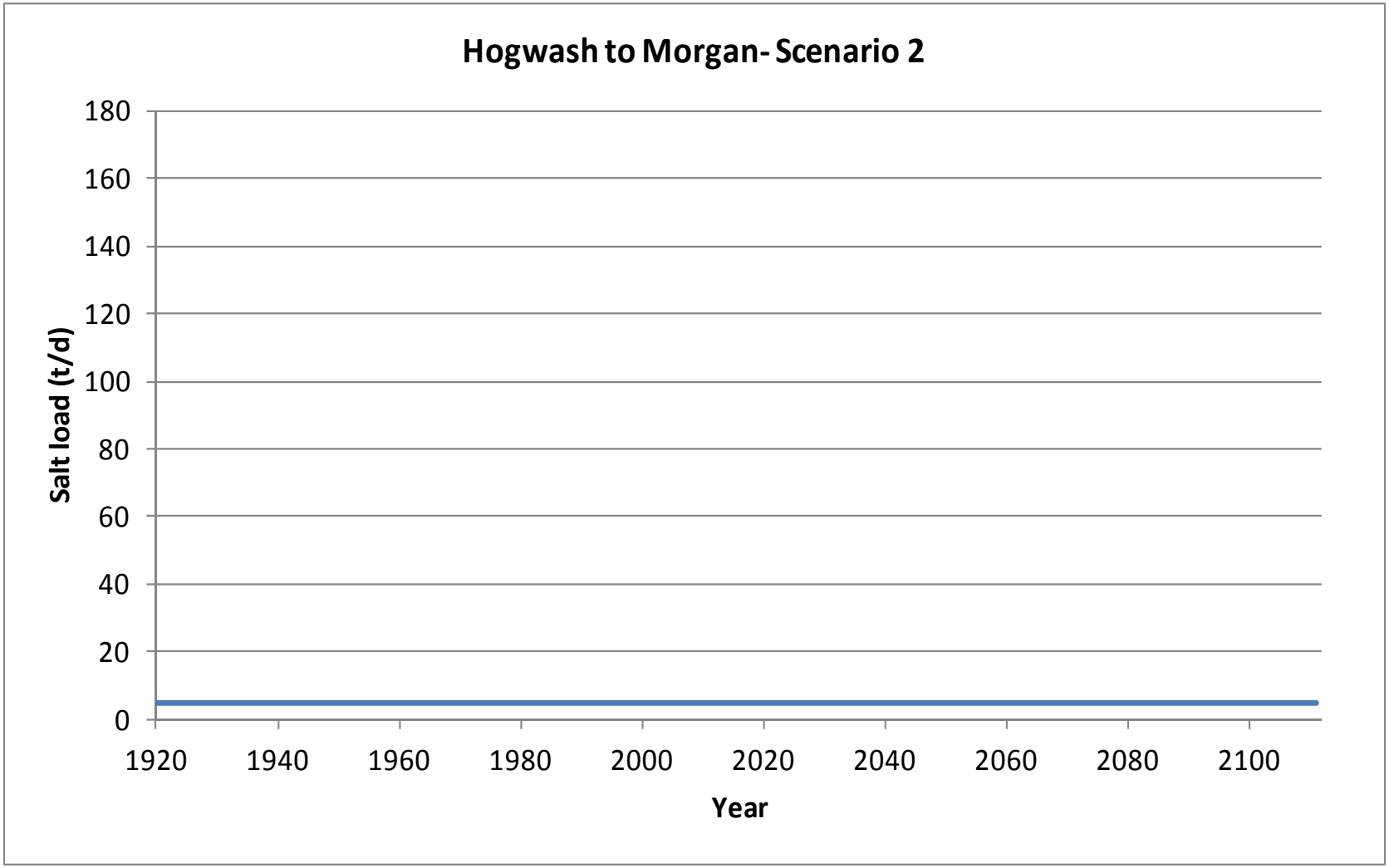
B-5b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan(Scenario 2) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
40360	40544	2010.5	2011	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
40544	40909	2011	2012	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
40909	41275	2012	2013	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
41275	41640	2013	2014	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
41640	42005	2014	2015	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
42005	42370	2015	2016	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
42370	42736	2016	2017	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
42736	43101	2017	2018	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
43101	43466	2018	2019	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
43466	43831	2019	2020	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
43831	44197	2020	2021	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
44197	44562	2021	2022	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
44562	44927	2022	2023	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
44927	45292	2023	2024	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
45292	45658	2024	2025	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
45658	46023	2025	2026	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
46023	46388	2026	2027	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
46388	46753	2027	2028	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
46753	47119	2028	2029	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
47119	47484	2029	2030	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
47484	47849	2030	2031	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
47849	48214	2031	2032	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
48214	48580	2032	2033	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
48580	48945	2033	2034	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
48945	49310	2034	2035	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
49310	49675	2035	2036	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
49675	50041	2036	2037	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
50041	50406	2037	2038	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
50406	50771	2038	2039	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
50771	51136	2039	2040	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
51136	51502	2040	2041	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
51502	51867	2041	2042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
51867	52232	2042	2043	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
52232	52597	2043	2044	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
52597	52963	2044	2045	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
52963	53328	2045	2046	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
53328	53693	2046	2047	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
53693	54058	2047	2048	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
54058	54424	2048	2049	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
54424	54789	2049	2050	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
54789	55154	2050	2051	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
55154	55519	2051	2052	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
55519	55885	2052	2053	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
55885	56250	2053	2054	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
56250	56615	2054	2055	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
56615	56980	2055	2056	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
56980	57346	2056	2057	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
57346	57711	2057	2058	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
57711	58076	2058	2059	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
58076	58441	2059	2060	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan(Scenario 2) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
58807	59172	2061	2062	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
59172	59537	2062	2063	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
59537	59902	2063	2064	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
59902	60268	2064	2065	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
60268	60633	2065	2066	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
60633	60998	2066	2067	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
60998	61363	2067	2068	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
61363	61729	2068	2069	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
61729	62094	2069	2070	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
62094	62459	2070	2071	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
62459	62824	2071	2072	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
62824	63190	2072	2073	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
63190	63555	2073	2074	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
63555	63920	2074	2075	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
63920	64285	2075	2076	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
64285	64651	2076	2077	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
64651	65016	2077	2078	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
65016	65381	2078	2079	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
65381	65746	2079	2080	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
65746	66112	2080	2081	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
66112	66477	2081	2082	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
66477	66842	2082	2083	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
66842	67207	2083	2084	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
67207	67573	2084	2085	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
67573	67938	2085	2086	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
67938	68303	2086	2087	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
68303	68668	2087	2088	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
68668	69034	2088	2089	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
69034	69399	2089	2090	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
69399	69764	2090	2091	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
69764	70129	2091	2092	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
70129	70495	2092	2093	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
70495	70860	2093	2094	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
70860	71225	2094	2095	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
71225	71590	2095	2096	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
71590	71956	2096	2097	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
71956	72321	2097	2098	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
72321	72686	2098	2099	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
72686	73051	2099	2100	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
73051	73416	2100	2101	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
73416	73781	2101	2102	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
73781	74146	2102	2103	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
74146	74511	2103	2104	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
74511	74877	2104	2105	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
74877	75242	2105	2106	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
75242	75607	2106	2107	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
75607	75972	2107	2108	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
75972	76338	2108	2109	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
76338	76703	2109	2110	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
76703	77068	2110	2111	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan(Scenario 2) (Part 3/3)



B-5b (S2). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	32	182	4113
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	33	183	4120
33239	33604	1991	1992	31	68	18	0	2	2	51	426	653	365	143	324	393	330	236	251	114	0	0	0	7	103	71	48	31	0	1	203	37	34	185	4126
33604	33970	1992	1993	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	114	0	0	0	7	103	71	49	31	0	1	205	38	34	186	4131
33970	34151	1993	1993.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	114	0	0	0	7	103	72	49	31	0	1	206	38	34	187	4134
34151	34335	1993.5	1994	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	114	0	0	0	7	103	72	49	31	0	1	206	38	35	188	4136
34335	34516	1994	1994.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	115	0	0	0	7	103	72	49	31	0	1	207	39	35	188	4139
34516	34700	1994.5	1995	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	115	0	0	0	7	103	72	49	31	0	1	208	39	35	189	4141
34700	34881	1995	1995.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	115	0	0	0	7	103	72	49	31	0	2	209	39	36	190	4143
34881	35065	1995.5	1996	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	115	0	0	0	7	103	72	49	31	0	2	209	40	36	190	4146
35065	35247	1996	1996.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	115	0	0	0	7	103	72	49	32	0	2	210	40	36	191	4148
35247	35431	1996.5	1997	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	115	0	0	0	7	103	72	49	32	0	2	211	40	36	191	4150
35431	35612	1997	1997.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	116	0	0	0	7	103	72	49	32	0	2	212	41	37	192	4153
35612	35796	1997.5	1998	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	116	0	0	0	7	103	72	49	32	0	2	212	41	37	193	4155
35796	35977	1998	1998.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	116	0	0	0	7	103	72	49	32	0	2	213	41	37	193	4157
35977	36161	1998.5	1999	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	116	0	0	0	7	103	72	49	32	0	2	214	42	37	194	4160
36161	36342	1999	1999.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	116	0	0	0	7	103	72	50	32	0	2	215	42	38	194	4162
36342	36526	1999.5	2000	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	251	116	0	0	0	7	103	72	50	32	0	2	215	42	38	195	4164
36526	36708	2000	2000.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	116	0	0	0	7	103	72	50	32	0	2	216	42	38	195	4166
36708	36892	2000.5	2001	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	32	0	2	217	43	38	196	4168
36892	37073	2001	2001.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	32	0	2	217	43	38	196	4170
37073	37257	2001.5	2002	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	32	0	2	218	43	39	197	4172
37257	37438	2002	2002.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	33	0	2	218	43	39	197	4174
37438	37622	2002.5	2003	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	33	0	2	219	44	39	198	4175
37622	37803	2003	2003.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	33	0	2	219	44	39	198	4177
37803	37987	2003.5	2004	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	33	0	2	220	44	39	198	4179
37987	38169	2004	2004.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	117	0	0	0	7	103	72	50	33	0	2	220	44	39	199	4180
38169	38353	2004.5	2005	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	72	50	33	0	2	221	44	40	199	4182
38353	38534	2005	2005.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	72	50	33	0	2	221	45	40	199	4183
38534	38718	2005.5	2006	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	72	50	33	0	2	222	45	40	200	4185
38718	38899	2006	2006.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	72	50	33	0	2	222	45	40	200	4186
38899	39083	2006.5	2007	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	73	50	33	0	2	223	45	40	200	4187
39083	39264	2007	2007.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	73	51	33	0	2	223	45	40	201	4189
39264	39448	2007.5	2008	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	73	51	33	0	2	223	45	40	201	4190
39448	39630	2008	2008.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	73	51	33	0	2	224	46	41	201	4191
39630	39814	2008.5	2009	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	73	51	33	0	2	224	46	41	202	4192
39814	39995	2009	2009.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	118	0	0	0	7	103	73	51	33	0	2	224	46	41	202	4193
39995	40179	2009.5	2010	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	103	73	51	34	0	2	225	46	41	202	4195

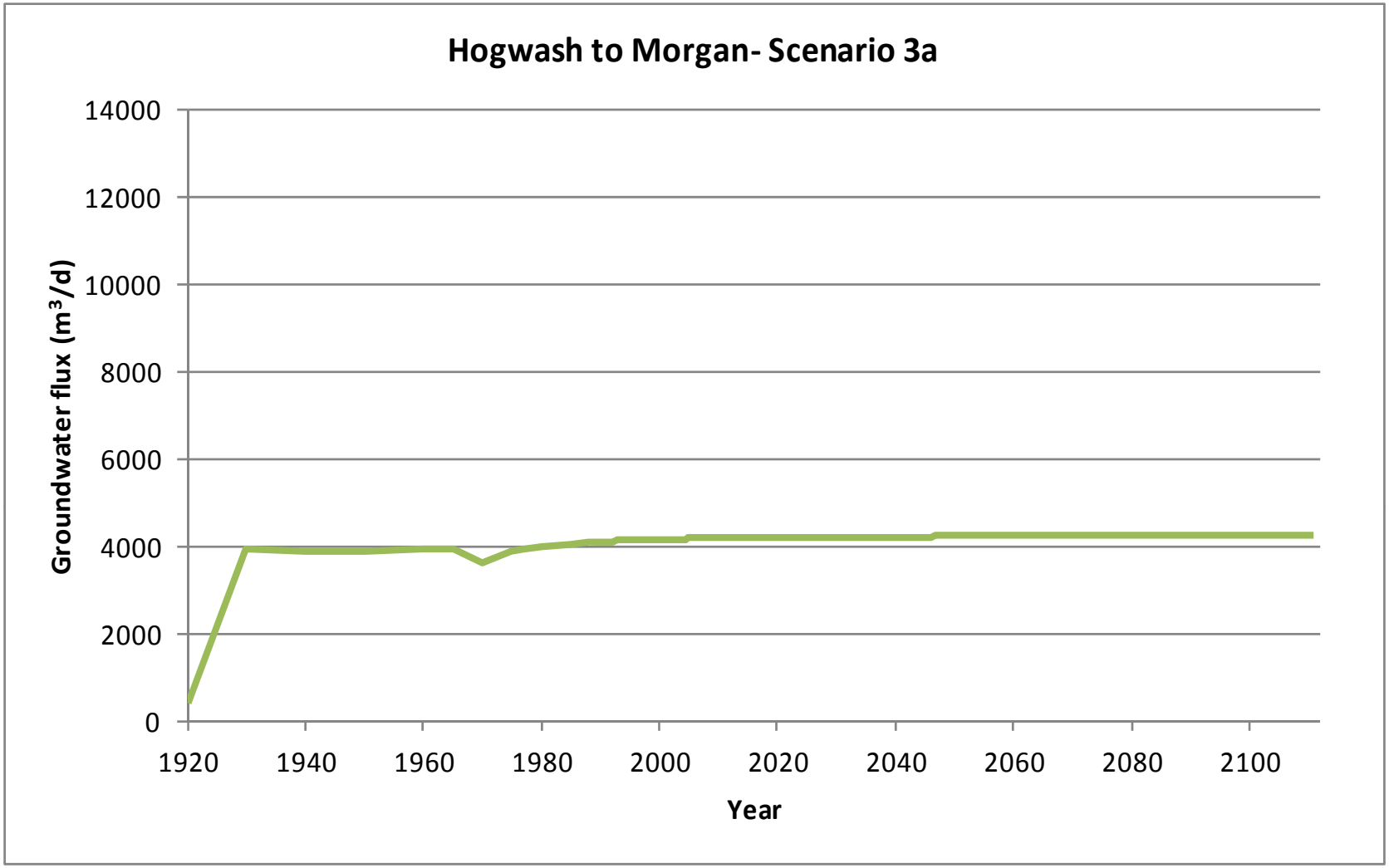
B-5a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3a) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	103	73	51	34	0	2	225	46	41	202	4196
40360	40544	2010.5	2011	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	103	73	51	34	0	2	225	46	41	203	4197
40544	40909	2011	2012	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	103	73	51	34	0	2	226	46	41	203	4199
40909	41275	2012	2013	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	103	73	51	34	0	2	226	47	41	203	4200
41275	41640	2013	2014	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	103	73	51	34	0	2	227	47	42	204	4202
41640	42005	2014	2015	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	104	73	51	34	0	2	227	47	42	204	4204
42005	42370	2015	2016	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	104	73	51	34	0	2	228	47	42	205	4206
42370	42736	2016	2017	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	104	73	51	34	0	2	228	47	42	205	4207
42736	43101	2017	2018	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	104	73	51	34	0	2	229	48	42	205	4209
43101	43466	2018	2019	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	119	0	0	0	7	104	73	52	34	0	2	229	48	43	206	4210
43466	43831	2019	2020	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	120	0	0	0	7	104	73	52	34	0	2	229	48	43	206	4211
43831	44197	2020	2021	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	120	0	0	0	7	104	73	52	34	0	2	230	48	43	206	4213
44197	44562	2021	2022	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	120	0	0	0	7	104	73	52	35	0	2	230	48	43	206	4214
44562	44927	2022	2023	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	120	0	0	0	7	104	73	52	35	0	2	230	48	43	207	4215
44927	45292	2023	2024	31	68	18	0	2	2	50	426	653	365	143	324	393	330	236	252	120	0	0	0	7	104	73	52	35	0	2	231	49	43	207	4216
45292	45658	2024	2025	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	231	49	43	207	4217
45658	46023	2025	2026	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	231	49	43	207	4218
46023	46388	2026	2027	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	231	49	43	208	4219
46388	46753	2027	2028	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	232	49	44	208	4220
46753	47119	2028	2029	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	232	49	44	208	4221
47119	47484	2029	2030	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	232	49	44	208	4222
47484	47849	2030	2031	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	232	49	44	208	4223
47849	48214	2031	2032	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	233	49	44	209	4224
48214	48580	2032	2033	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	233	50	44	209	4225
48580	48945	2033	2034	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	52	35	0	2	233	50	44	209	4226
48945	49310	2034	2035	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	53	35	0	2	233	50	44	209	4226
49310	49675	2035	2036	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	120	0	0	0	7	104	74	53	35	0	2	233	50	44	209	4227
49675	50041	2036	2037	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	35	0	2	234	50	44	210	4228
50041	50406	2037	2038	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	35	0	2	234	50	44	210	4229
50406	50771	2038	2039	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	35	0	2	234	50	44	210	4229
50771	51136	2039	2040	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	36	0	2	234	50	45	210	4230
51136	51502	2040	2041	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	36	0	2	234	50	45	210	4231
51502	51867	2041	2042	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	36	0	2	235	50	45	210	4232
51867	52232	2042	2043	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	104	74	53	36	0	2	235	50	45	210	4232
52232	52597	2043	2044	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	235	50	45	211	4233
52597	52963	2044	2045	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	235	51	45	211	4233
52963	53328	2045	2046	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	235	51	45	211	4234
53328	53693	2046	2047	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	235	51	45	211	4235
53693	54058	2047	2048	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	235	51	45	211	4235
54058	54424	2048	2049	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	236	51	45	211	4236
54424	54789	2049	2050	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	236	51	45	211	4236
54789	55154	2050	2051	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	252	121	0	0	0	7	105	74	53	36	0	2	236	51	45	211	4237
55154	55519	2051	2052	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	74	53	36	0	2	236	51	45	212	4237
55519	55885	2052	2053	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	236	51	45	212	4238
55885	56250	2053	2054	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	236	51	45	212	4238
56250	56615	2054	2055	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	236	51	45	212	4239
56615	56980	2055	2056	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	237	51	45	212	4239
56980	57346	2056	2057	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	237	51	45	212	4240
57346	57711	2057	2058	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	237	51	46	212	4240
57711	58076	2058	2059	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	237	51	46	212	4241
58076	58441	2059	2060	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	237	51	46	212	4241

B-5a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3a) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	53	36	0	2	237	51	46	213	4242
58807	59172	2061	2062	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	237	52	46	213	4242
59172	59537	2062	2063	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	237	52	46	213	4243
59537	59902	2063	2064	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	237	52	46	213	4243
59902	60268	2064	2065	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4243
60268	60633	2065	2066	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4244
60633	60998	2066	2067	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4244
60998	61363	2067	2068	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4245
61363	61729	2068	2069	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4245
61729	62094	2069	2070	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4245
62094	62459	2070	2071	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4246
62459	62824	2071	2072	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	121	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4246
62824	63190	2072	2073	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	36	0	2	238	52	46	213	4246
63190	63555	2073	2074	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	36	0	2	238	52	46	214	4247
63555	63920	2074	2075	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	36	0	2	238	52	46	214	4247
63920	64285	2075	2076	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	238	52	46	214	4247
64285	64651	2076	2077	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	238	52	46	214	4248
64651	65016	2077	2078	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4248
65016	65381	2078	2079	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4248
65381	65746	2079	2080	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4249
65746	66112	2080	2081	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4249
66112	66477	2081	2082	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4249
66477	66842	2082	2083	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4249
66842	67207	2083	2084	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	2	239	52	46	214	4250
67207	67573	2084	2085	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	3	239	52	46	214	4250
67573	67938	2085	2086	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	3	239	52	46	214	4250
67938	68303	2086	2087	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	105	75	54	37	0	3	239	52	46	214	4250
68303	68668	2087	2088	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	52	46	214	4251
68668	69034	2088	2089	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	52	46	214	4251
69034	69399	2089	2090	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	52	46	214	4251
69399	69764	2090	2091	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	52	47	214	4251
69764	70129	2091	2092	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	53	47	214	4252
70129	70495	2092	2093	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	53	47	214	4252
70495	70860	2093	2094	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	53	47	215	4252
70860	71225	2094	2095	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	239	53	47	215	4252
71225	71590	2095	2096	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	240	53	47	215	4252
71590	71956	2096	2097	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	240	53	47	215	4253
71956	72321	2097	2098	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	240	53	47	215	4253
72321	72686	2098	2099	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	240	53	47	215	4253
72686	73051	2099	2100	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	75	54	37	0	3	240	53	47	215	4253
73051	73416	2100	2101	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4253
73416	73781	2101	2102	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4254
73781	74146	2102	2103	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4254
74146	74511	2103	2104	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4254
74511	74877	2104	2105	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4254
74877	75242	2105	2106	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4254
75242	75607	2106	2107	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4255
75607	75972	2107	2108	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4255
75972	76338	2108	2109	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	54	37	0	3	240	53	47	215	4255
76338	76703	2109	2110	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	55	37	0	3	240	53	47	215	4255
76703	77068	2110	2111	31	68	18	0	2	2	50	426	653	366	143	324	393	330	236	253	122	0	0	0	7	106	76	55	37	0	3	240	53	47	215	4255

B-5a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3a) (Part 3/3)



B-5a (S3a). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 3a)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33604	33970	1992	1993	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33970	34151	1993	1993.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
34151	34335	1993.5	1994	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
34335	34516	1994	1994.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
34516	34700	1994.5	1995	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
34700	34881	1995	1995.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
34881	35065	1995.5	1996	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
35065	35247	1996	1996.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
35247	35431	1996.5	1997	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
35431	35612	1997	1997.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
35612	35796	1997.5	1998	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
35796	35977	1998	1998.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
35977	36161	1998.5	1999	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
36161	36342	1999	1999.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
36342	36526	1999.5	2000	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
36526	36708	2000	2000.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
36708	36892	2000.5	2001	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
36892	37073	2001	2001.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
37073	37257	2001.5	2002	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
37257	37438	2002	2002.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
37438	37622	2002.5	2003	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
37622	37803	2003	2003.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
37803	37987	2003.5	2004	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
37987	38169	2004	2004.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
38169	38353	2004.5	2005	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
38353	38534	2005	2005.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
38534	38718	2005.5	2006	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
38718	38899	2006	2006.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
38899	39083	2006.5	2007	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
39083	39264	2007	2007.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
39264	39448	2007.5	2008	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
39448	39630	2008	2008.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
39630	39814	2008.5	2009	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
39814	39995	2009	2009.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
39995	40179	2009.5	2010	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

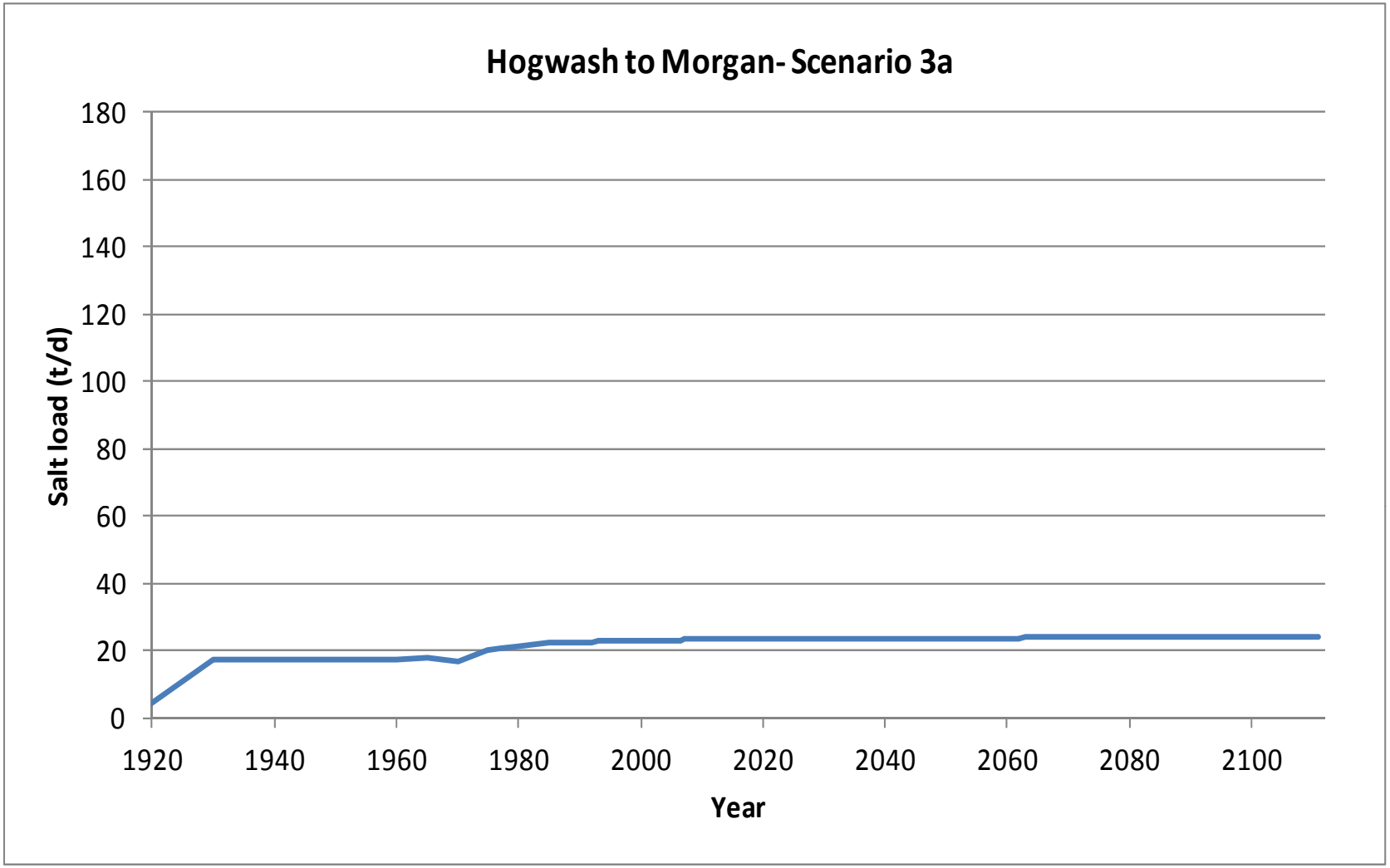
B-5b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3a) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
40360	40544	2010.5	2011	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
40544	40909	2011	2012	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
40909	41275	2012	2013	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
41275	41640	2013	2014	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
41640	42005	2014	2015	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
42005	42370	2015	2016	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
42370	42736	2016	2017	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
42736	43101	2017	2018	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
43101	43466	2018	2019	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
43466	43831	2019	2020	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
43831	44197	2020	2021	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
44197	44562	2021	2022	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
44562	44927	2022	2023	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
44927	45292	2023	2024	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
45292	45658	2024	2025	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
45658	46023	2025	2026	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
46023	46388	2026	2027	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
46388	46753	2027	2028	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
46753	47119	2028	2029	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
47119	47484	2029	2030	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
47484	47849	2030	2031	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
47849	48214	2031	2032	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
48214	48580	2032	2033	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
48580	48945	2033	2034	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
48945	49310	2034	2035	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
49310	49675	2035	2036	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
49675	50041	2036	2037	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
50041	50406	2037	2038	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
50406	50771	2038	2039	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
50771	51136	2039	2040	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
51136	51502	2040	2041	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
51502	51867	2041	2042	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
51867	52232	2042	2043	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
52232	52597	2043	2044	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
52597	52963	2044	2045	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
52963	53328	2045	2046	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
53328	53693	2046	2047	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
53693	54058	2047	2048	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
54058	54424	2048	2049	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
54424	54789	2049	2050	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
54789	55154	2050	2051	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
55154	55519	2051	2052	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
55519	55885	2052	2053	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
55885	56250	2053	2054	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
56250	56615	2054	2055	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
56615	56980	2055	2056	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
56980	57346	2056	2057	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
57346	57711	2057	2058	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
57711	58076	2058	2059	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
58076	58441	2059	2060	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3a) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
58807	59172	2061	2062	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
59172	59537	2062	2063	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
59537	59902	2063	2064	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
59902	60268	2064	2065	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
60268	60633	2065	2066	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
60633	60998	2066	2067	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
60998	61363	2067	2068	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
61363	61729	2068	2069	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
61729	62094	2069	2070	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
62094	62459	2070	2071	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
62459	62824	2071	2072	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	24
62824	63190	2072	2073	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
63190	63555	2073	2074	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
63555	63920	2074	2075	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
63920	64285	2075	2076	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
64285	64651	2076	2077	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
64651	65016	2077	2078	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
65016	65381	2078	2079	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
65381	65746	2079	2080	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
65746	66112	2080	2081	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
66112	66477	2081	2082	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
66477	66842	2082	2083	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
66842	67207	2083	2084	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
67207	67573	2084	2085	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
67573	67938	2085	2086	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
67938	68303	2086	2087	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
68303	68668	2087	2088	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
68668	69034	2088	2089	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
69034	69399	2089	2090	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
69399	69764	2090	2091	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
69764	70129	2091	2092	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
70129	70495	2092	2093	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
70495	70860	2093	2094	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
70860	71225	2094	2095	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
71225	71590	2095	2096	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
71590	71956	2096	2097	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
71956	72321	2097	2098	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
72321	72686	2098	2099	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
72686	73051	2099	2100	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
73051	73416	2100	2101	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
73416	73781	2101	2102	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
73781	74146	2102	2103	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
74146	74511	2103	2104	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
74511	74877	2104	2105	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
74877	75242	2105	2106	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
75242	75607	2106	2107	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
75607	75972	2107	2108	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
75972	76338	2108	2109	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
76338	76703	2109	2110	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
76703	77068	2110	2111	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	2	1	1	0	0	2	0	0	2	24
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3a) (Part 3/3)



B-5b (S3a). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 3a)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	0	28	338	513	270	113	235	277	235	170	168	77	0	0	0	7	103	72	49	30	0	0	143	25	23	124	3114
34881	35065	1995.5	1996	31	67	18	0	1	0	27	328	496	262	111	229	272	230	163	162	75	0	0	0	7	103	72	49	30	0	0	141	25	22	121	3041
35065	35247	1996	1996.5	31	67	18	0	1	0	26	319	483	256	109	226	268	226	158	157	73	0	0	0	7	103	72	49	30	0	0	140	24	22	118	2982
35247	35431	1996.5	1997	31	67	18	0	1	0	25	312	471	251	108	223	265	223	154	153	71	0	0	0	7	103	72	49	30	0	0	139	24	22	117	2933
35431	35612	1997	1997.5	31	67	18	0	0	0	25	305	461	247	107	220	263	220	150	149	69	0	0	0	7	103	72	49	30	0	0	138	23	22	116	2891
35612	35796	1997.5	1998	31	67	18	0	0	0	24	299	453	244	106	218	260	218	147	146	68	0	0	0	7	103	72	49	30	0	0	138	23	22	115	2856
35796	35977	1998	1998.5	31	67	18	0	0	0	23	294	446	241	105	216	259	216	144	144	67	0	0	0	7	103	72	49	30	0	0	137	23	21	115	2825
35977	36161	1998.5	1999	31	67	18	0	0	0	23	289	439	238	104	215	257	214	142	141	65	0	0	0	7	103	72	49	30	0	0	137	23	21	114	2799
36161	36342	1999	1999.5	31	67	18	0	0	0	17	275	424	226	101	200	234	196	133	123	56	0	0	0	7	103	72	49	30	0	0	123	21	21	109	2634
36342	36526	1999.5	2000	31	67	18	0	0	0	16	266	407	215	97	191	225	188	126	117	54	0	0	0	7	103	72	49	30	0	0	119	20	21	104	2541
36526	36708	2000	2000.5	30	67	18	0	0	0	10	248	383	197	92	173	198	167	113	96	44	0	0	0	7	103	72	49	30	0	0	104	18	20	94	2332
36708	36892	2000.5	2001	30	67	18	0	0	0	8	235	359	183	87	161	186	156	104	89	41	0	0	0	7	103	72	49	30	0	0	100	17	19	85	2205
36892	37073	2001	2001.5	30	67	18	0	0	0	7	223	339	173	84	154	179	150	97	83	39	0	0	0	7	103	72	49	29	0	0	97	16	18	79	2113
37073	37257	2001.5	2002	30	67	18	0	0	0	6	213	323	165	82	149	174	144	91	77	37	0	0	0	7	103	72	49	29	0	0	95	15	17	75	2039
37257	37438	2002	2002.5	30	67	18	0	0	0	5	204	309	159	80	145	170	140	86	72	36	0	0	0	7	103	72	49	29	0	0	94	15	17	72	1978
37438	37622	2002.5	2003	30	67	18	0	0	0	5	196	297	154	79	142	167	137	82	68	34	0	0	0	7	103	72	49	29	0	0	92	14	16	70	1926
37622	37803	2003	2003.5	30	67	18	0	0	0	4	189	287	149	78	140	164	134	78	64	32	0	0	0	7	103	72	49	29	0	0	91	14	16	68	1882
37803	37987	2003.5	2004	30	67	18	0	0	0	4	182	278	146	77	137	162	132	75	61	31	0	0	0	7	103	72	49	29	0	0	90	13	15	67	1844
37987	38169	2004	2004.5	30	67	18	0	0	0	3	176	270	142	76	135	160	130	73	58	30	0	0	0	7	103	72	49	29	0	0	89	13	15	66	1811
38169	38353	2004.5	2005	30	67	18	0	0	0	3	171	263	140	75	134	158	128	70	56	29	0	0	0	7	103	72	49	29	0	0	88	13	15	65	1781
38353	38534	2005	2005.5	30	67	18	0	0	0	3	167	257	137	74	132	157	127	68	54	28	0	0	0	7	103	72	49	29	0	0	87	13	15	64	1756
38534	38718	2005.5	2006	30	67	18	0	0	0	2	163	251	135	74	131	155	125	67	52	27	0	0	0	7	103	72	49	29	0	0	86	13	15	63	1733
38718	38899	2006	2006.5	30	67	18	0	0	0	2	159	247	133	73	130	154	124	65	50	26	0	0	0	7	103	72	49	29	0	0	85	12	15	63	1713
38899	39083	2006.5	2007	30	67	18	0	0	0	2	156	242	132	73	129	153	123	64	49	26	0	0	0	7	103	72	49	29	0	0	85	12	14	62	1696
39083	39264	2007	2007.5	30	67	18	0	0	0	2	153	239	130	73	128	152	122	62	48	25	0	0	0	7	103	72	49	29	0	0	84	12	14	62	1680
39264	39448	2007.5	2008	30	67	18	0	0	0	1	150	235	129	72	127	151	122	61	47	25	0	0	0	7	103	72	49	29	0	0	84	12	14	61	1666
39448	39630	2008	2008.5	30	67	18	0	0	0	0	140	223	118	69	114	129	104	53	30	18	0	0	0	7	103	72	49	29	0	0	71	11	14	56	1524
39630	39814	2008.5	2009	30	66	18	0	0	0	0	133	208	108	66	105	121	97	48	27	17	0	0	0	7	103	72	49	29	0	0	68	10	14	51	1445
39814	39995	2009	2009.5	30	66	18	0	0	0	0	126	196	101	63	101	116	92	43	24	16	0	0	0	7	103	72	49	29	0	0	66	10	14	48	1390
39995	40179	2009.5	2010	30	66	18	0	0	0	0	121	186	96	62	97	112	89	40	21	15	0	0	0	7	103	72	49	29	0	0	64	9	13	45	1346

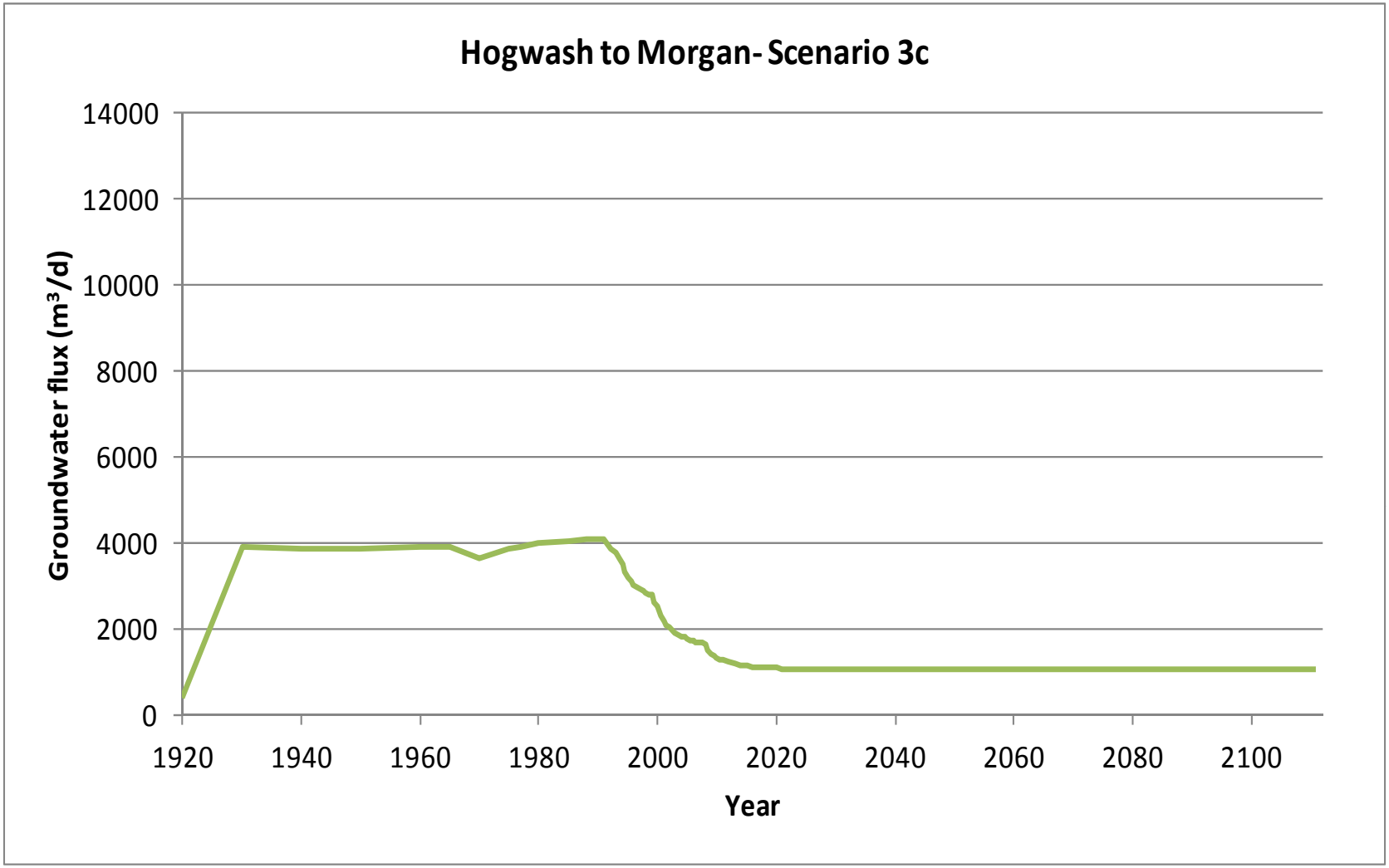
B-5a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3c) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	30	66	18	0	0	0	0	116	178	93	61	95	110	87	37	19	14	0	0	0	7	103	72	49	29	0	0	63	9	13	43	1311
40360	40544	2010.5	2011	30	66	18	0	0	0	0	111	170	89	60	93	108	85	35	17	13	0	0	0	7	103	72	49	29	0	0	62	9	13	42	1281
40544	40909	2011	2012	30	66	18	0	0	0	0	104	159	85	59	90	105	82	32	14	12	0	0	0	7	103	72	49	28	0	0	61	8	13	40	1235
40909	41275	2012	2013	30	66	18	0	0	0	0	98	150	81	58	88	103	79	29	12	11	0	0	0	7	103	72	49	28	0	0	59	8	13	39	1200
41275	41640	2013	2014	30	66	18	0	0	0	0	93	143	78	57	86	101	78	27	10	11	0	0	0	7	103	72	49	28	0	0	58	7	13	38	1174
41640	42005	2014	2015	30	66	18	0	0	0	0	89	138	76	57	85	100	76	26	9	10	0	0	0	7	103	72	49	28	0	0	57	7	13	38	1153
42005	42370	2015	2016	30	66	18	0	0	0	0	86	134	75	56	84	99	75	25	8	10	0	0	0	7	103	72	49	28	0	0	57	7	13	37	1137
42370	42736	2016	2017	30	66	18	0	0	0	0	84	131	73	56	83	98	74	24	7	9	0	0	0	7	103	72	49	28	0	0	56	7	12	37	1124
42736	43101	2017	2018	30	66	18	0	0	0	0	82	128	72	56	83	97	74	23	6	9	0	0	0	7	103	72	49	28	0	0	56	7	12	37	1114
43101	43466	2018	2019	30	66	18	0	0	0	0	81	126	72	55	82	97	73	22	6	9	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1106
43466	43831	2019	2020	30	66	18	0	0	0	0	80	124	71	55	82	96	73	22	6	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1099
43831	44197	2020	2021	30	66	18	0	0	0	0	79	123	70	55	81	96	72	22	5	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1094
44197	44562	2021	2022	30	66	18	0	0	0	0	78	122	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1090
44562	44927	2022	2023	30	66	18	0	0	0	0	77	121	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1086
44927	45292	2023	2024	30	66	18	0	0	0	0	77	120	69	55	81	96	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1084
45292	45658	2024	2025	30	66	18	0	0	0	0	76	120	69	55	81	95	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1082
45658	46023	2025	2026	30	66	18	0	0	0	0	76	119	69	55	80	95	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1080
46023	46388	2026	2027	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	5	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1079
46388	46753	2027	2028	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1078
46753	47119	2028	2029	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1077
47119	47484	2029	2030	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1076
47484	47849	2030	2031	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1075
47849	48214	2031	2032	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1075
48214	48580	2032	2033	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1075
48580	48945	2033	2034	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
48945	49310	2034	2035	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
49310	49675	2035	2036	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
49675	50041	2036	2037	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
50041	50406	2037	2038	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
50406	50771	2038	2039	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
50771	51136	2039	2040	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
51136	51502	2040	2041	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
51502	51867	2041	2042	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
51867	52232	2042	2043	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
52232	52597	2043	2044	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
52597	52963	2044	2045	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
52963	53328	2045	2046	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
53328	53693	2046	2047	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
53693	54058	2047	2048	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
54058	54424	2048	2049	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
54424	54789	2049	2050	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
54789	55154	2050	2051	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
55154	55519	2051	2052	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
55519	55885	2052	2053	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1075
55885	56250	2053	2054	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1075
56250	56615	2054	2055	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1075
56615	56980	2055	2056	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
56980	57346	2056	2057	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
57346	57711	2057	2058	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
57711	58076	2058	2059	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
58076	58441	2059	2060	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076

B-5a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3c) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
58807	59172	2061	2062	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
59172	59537	2062	2063	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	37	1077
59537	59902	2063	2064	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	37	1077
59902	60268	2064	2065	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
60268	60633	2065	2066	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
60633	60998	2066	2067	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
60998	61363	2067	2068	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
61363	61729	2068	2069	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
61729	62094	2069	2070	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
62094	62459	2070	2071	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
62459	62824	2071	2072	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
62824	63190	2072	2073	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
63190	63555	2073	2074	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
63555	63920	2074	2075	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
63920	64285	2075	2076	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
64285	64651	2076	2077	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
64651	65016	2077	2078	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
65016	65381	2078	2079	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
65381	65746	2079	2080	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
65746	66112	2080	2081	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
66112	66477	2081	2082	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
66477	66842	2082	2083	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
66842	67207	2083	2084	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
67207	67573	2084	2085	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
67573	67938	2085	2086	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
67938	68303	2086	2087	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
68303	68668	2087	2088	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
68668	69034	2088	2089	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
69034	69399	2089	2090	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
69399	69764	2090	2091	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
69764	70129	2091	2092	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
70129	70495	2092	2093	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
70495	70860	2093	2094	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
70860	71225	2094	2095	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
71225	71590	2095	2096	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
71590	71956	2096	2097	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
71956	72321	2097	2098	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
72321	72686	2098	2099	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1080
72686	73051	2099	2100	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1080
73051	73416	2100	2101	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
73416	73781	2101	2102	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
73781	74146	2102	2103	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
74146	74511	2103	2104	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
74511	74877	2104	2105	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
74877	75242	2105	2106	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
75242	75607	2106	2107	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
75607	75972	2107	2108	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
75972	76338	2108	2109	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
76338	76703	2109	2110	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
76703	77068	2110	2111	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081

B-5a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3c) (Part 3/3)



B-5a (S3c). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 3c)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35796	35977	1998	1998.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35977	36161	1998.5	1999	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
36161	36342	1999	1999.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36342	36526	1999.5	2000	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36526	36708	2000	2000.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	14
36708	36892	2000.5	2001	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
36892	37073	2001	2001.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
37073	37257	2001.5	2002	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37257	37438	2002	2002.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37438	37622	2002.5	2003	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37622	37803	2003	2003.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
37987	38169	2004	2004.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38169	38353	2004.5	2005	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38353	38534	2005	2005.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38534	38718	2005.5	2006	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38718	38899	2006	2006.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38899	39083	2006.5	2007	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
39083	39264	2007	2007.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
39264	39448	2007.5	2008	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
39448	39630	2008	2008.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39630	39814	2008.5	2009	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39814	39995	2009	2009.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39995	40179	2009.5	2010	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

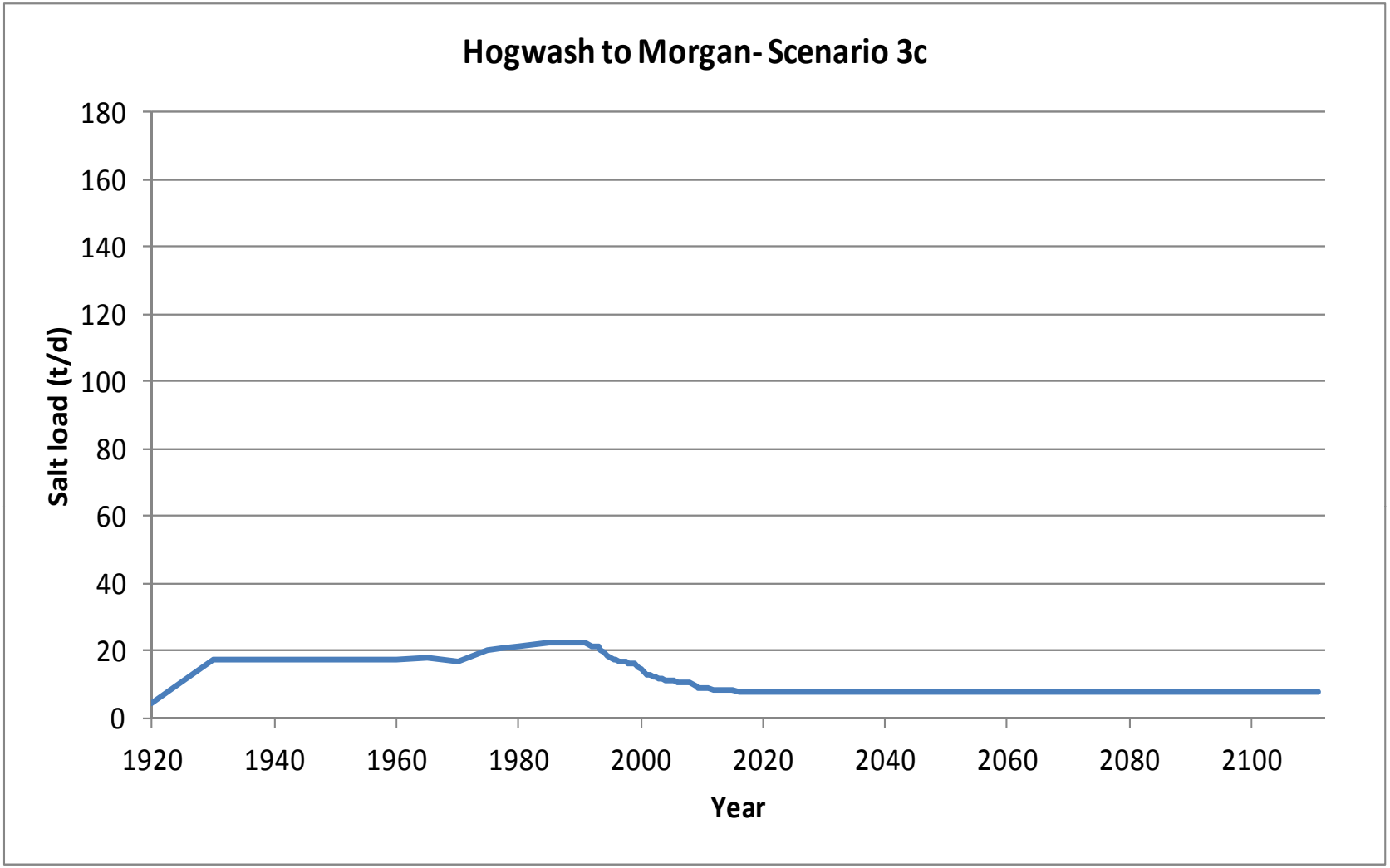
B-5b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3c) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
40360	40544	2010.5	2011	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
40544	40909	2011	2012	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	8
40909	41275	2012	2013	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	8
41275	41640	2013	2014	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41640	42005	2014	2015	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3c) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 3c) (Part 3/3)



B-5b (S3c). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 3c)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	1	33	376	528	274	114	236	278	235	170	175	138	0	1	3	7	103	72	49	30	0	2	205	30	23	124	3324
34881	35065	1995.5	1996	31	68	18	0	1	1	35	379	525	270	113	232	274	231	165	176	162	1	2	9	7	103	72	49	30	0	5	225	33	23	121	3360
35065	35247	1996	1996.5	31	68	18	0	1	1	35	377	520	267	112	230	272	228	161	176	174	3	4	14	7	104	72	50	30	0	6	233	34	23	119	3368
35247	35431	1996.5	1997	31	68	18	0	1	1	35	375	514	264	111	228	270	226	159	175	180	4	4	17	7	104	73	50	30	0	7	239	34	23	117	3365
35431	35612	1997	1997.5	31	68	18	0	1	1	36	390	513	263	110	227	270	229	158	182	186	6	5	24	7	104	73	50	30	0	8	256	37	23	117	3423
35612	35796	1997.5	1998	31	68	18	0	1	1	37	391	512	263	110	228	270	230	158	184	190	7	6	25	7	105	73	50	30	0	9	272	40	24	116	3455
35796	35977	1998	1998.5	31	68	18	0	1	1	37	390	511	263	110	228	270	230	158	184	194	8	7	27	7	105	73	51	30	0	10	281	42	24	116	3472
35977	36161	1998.5	1999	31	68	18	0	1	1	37	389	509	262	110	227	270	229	158	184	196	9	7	28	7	105	73	51	31	0	10	286	43	24	116	3481
36161	36342	1999	1999.5	31	68	18	0	1	0	34	371	494	250	107	213	248	212	150	165	177	9	6	22	7	105	73	51	31	0	10	286	43	24	111	3316
36342	36526	1999.5	2000	31	68	18	0	1	0	33	362	477	240	103	205	239	204	143	159	174	10	6	23	7	105	73	51	31	0	12	303	45	24	106	3254
36526	36708	2000	2000.5	31	68	18	0	0	0	25	333	450	222	98	186	212	182	131	136	153	11	5	18	7	105	73	51	30	0	11	279	43	23	97	2996
36708	36892	2000.5	2001	31	67	18	0	0	0	23	317	424	207	93	174	199	171	121	127	147	10	5	18	7	105	73	51	30	0	10	271	41	22	88	2851
36892	37073	2001	2001.5	31	67	18	0	0	0	38	320	404	196	90	167	192	164	113	120	147	10	5	17	7	105	73	51	30	0	10	273	41	21	82	2796
37073	37257	2001.5	2002	31	67	18	0	0	0	40	314	388	188	88	162	187	159	107	115	146	10	5	17	7	105	73	51	30	0	10	273	41	20	79	2732
37257	37438	2002	2002.5	30	67	18	0	0	0	40	306	375	182	86	158	183	155	102	110	144	10	5	17	7	105	73	51	30	0	10	273	41	19	76	2676
37438	37622	2002.5	2003	30	67	18	0	0	0	40	299	363	177	85	155	180	152	98	106	143	10	5	17	7	105	73	51	30	0	10	273	40	19	74	2628
37622	37803	2003	2003.5	30	67	18	0	0	0	49	295	354	173	83	153	179	163	113	111	155	11	5	18	7	105	73	51	30	0	11	280	41	19	72	2666
37803	37987	2003.5	2004	30	67	18	0	0	0	51	291	347	170	83	151	178	167	118	114	163	12	6	19	7	105	74	51	30	0	12	286	42	18	71	2682
37987	38169	2004	2004.5	30	67	18	0	0	0	51	288	341	169	82	150	178	176	139	117	167	14	6	20	7	105	74	51	30	0	12	291	42	18	70	2717
38169	38353	2004.5	2005	30	67	18	0	1	1	51	285	337	167	82	150	178	178	144	120	171	15	7	21	7	105	74	51	30	0	13	295	43	18	69	2728
38353	38534	2005	2005.5	31	67	18	0	1	1	51	282	334	166	82	150	178	179	146	122	174	17	8	22	7	105	74	51	31	0	13	297	44	23	70	2745
38534	38718	2005.5	2006	31	67	18	0	1	1	51	280	332	165	82	149	178	179	147	123	177	19	9	23	7	105	74	51	32	0	13	299	45	25	71	2754
38718	38899	2006	2006.5	31	67	18	0	1	1	51	278	330	165	81	149	178	179	147	123	179	19	9	23	7	105	74	52	32	0	14	302	45	26	72	2758
38899	39083	2006.5	2007	31	68	18	0	1	1	51	277	328	164	81	148	177	179	147	123	180	20	9	24	7	105	74	52	32	0	14	305	46	28	73	2761
39083	39264	2007	2007.5	31	68	18	0	1	1	51	275	326	163	81	148	177	179	147	123	181	21	10	24	7	105	74	52	32	0	14	308	47	28	73	2765
39264	39448	2007.5	2008	31	68	18	0	1	1	50	274	324	163	81	148	177	178	146	122	183	23	10	25	7	105	74	52	33	0	14	311	48	29	74	2772
39448	39630	2008	2008.5	31	68	18	0	1	0	34	244	309	151	77	134	154	153	125	99	156	21	8	19	7	105	74	52	33	0	12	273	44	30	71	2503
39630	39814	2008.5	2009	31	67	18	0	0	0	30	232	291	140	74	125	144	143	115	90	145	18	7	16	7	105	74	52	33	0	10	255	41	31	67	2362
39814	39995	2009	2009.5	31	67	18	0	0	0	29	223	277	136	72	120	138	137	111	86	138	16	6	14	7	105	74	52	34	0	9	245	40	33	65	2283
39995	40179	2009.5	2010	31	67	18	0	0	0	28	216	266	131	71	116	134	134	107	81	133	14	5	12	7	105	74	52	35	0	8	239	39	34	64	2219

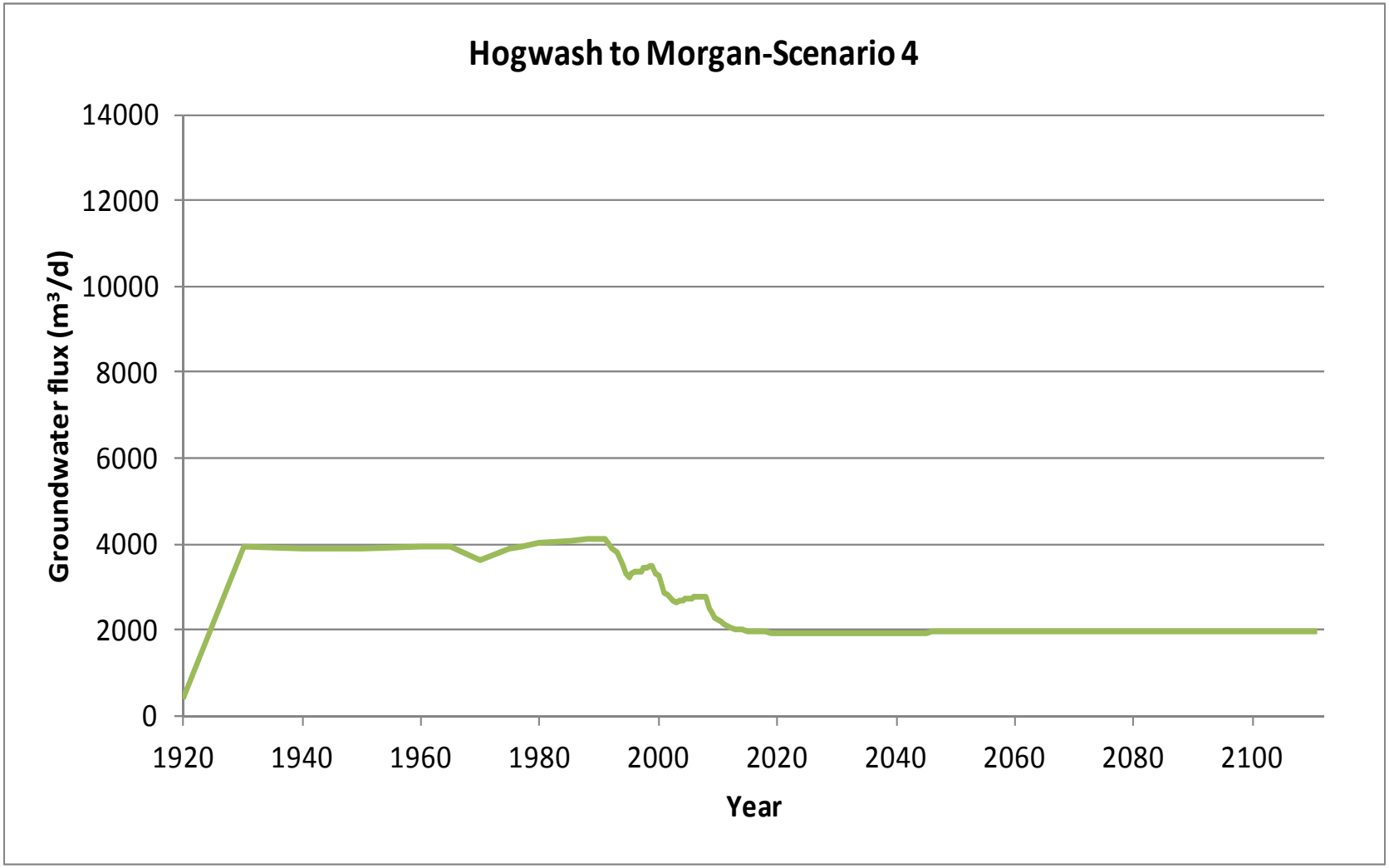
B-5a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 4) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	31	67	18	0	0	0	27	210	256	127	70	113	132	131	103	77	129	13	4	11	7	105	74	52	35	0	8	235	38	35	64	2170
40360	40544	2010.5	2011	30	67	18	0	0	0	27	204	248	124	69	111	129	129	100	74	125	12	4	10	7	105	74	52	35	0	8	231	37	36	65	2130
40544	40909	2011	2012	30	67	18	0	0	0	26	195	235	118	68	107	126	125	96	69	120	10	3	9	7	105	74	52	36	0	7	227	37	38	66	2071
40909	41275	2012	2013	30	67	18	0	0	0	25	188	225	114	67	105	123	123	93	65	116	10	3	8	7	105	74	52	36	0	7	225	37	40	67	2029
41275	41640	2013	2014	30	67	18	0	0	0	24	182	217	111	66	103	122	123	92	63	114	9	3	8	7	105	74	52	37	0	7	224	37	41	68	2003
41640	42005	2014	2015	30	67	18	0	0	0	23	177	211	109	65	102	121	122	90	61	112	9	3	8	7	105	74	52	38	0	7	223	37	42	69	1982
42005	42370	2015	2016	30	67	18	0	0	0	23	173	206	107	65	101	120	121	89	59	111	9	3	8	7	105	74	53	38	0	7	222	37	44	70	1965
42370	42736	2016	2017	30	67	18	0	0	0	22	170	202	105	64	100	119	120	88	58	110	9	2	8	7	105	74	53	39	0	7	222	37	45	71	1953
42736	43101	2017	2018	30	67	18	0	0	0	22	168	199	104	64	99	118	120	87	57	109	9	2	8	7	105	74	53	39	0	7	222	37	46	72	1943
43101	43466	2018	2019	30	67	18	0	0	0	21	166	197	103	64	99	118	119	86	56	108	9	2	8	7	105	74	53	40	0	7	222	37	46	72	1936
43466	43831	2019	2020	30	67	18	0	0	0	21	164	195	103	64	98	117	119	85	56	108	9	2	8	7	105	74	54	41	0	7	222	38	47	73	1931
43831	44197	2020	2021	30	67	18	0	0	0	21	163	194	102	64	98	117	118	85	55	107	8	2	8	7	105	74	54	41	0	7	223	38	48	73	1927
44197	44562	2021	2022	30	67	18	0	0	0	20	162	192	102	63	98	117	118	84	55	107	8	2	8	7	105	75	54	42	0	7	223	38	48	74	1925
44562	44927	2022	2023	30	67	18	0	0	0	20	161	191	101	63	98	117	118	84	54	107	8	2	8	7	105	75	54	42	0	7	223	38	49	74	1923
44927	45292	2023	2024	30	67	18	0	0	0	20	160	191	101	63	97	116	118	84	54	107	8	2	8	7	105	75	55	43	0	7	223	39	49	75	1922
45292	45658	2024	2025	30	67	18	0	0	0	20	160	190	101	63	97	116	118	84	54	107	8	2	8	7	105	75	55	43	0	7	223	39	50	75	1922
45658	46023	2025	2026	30	67	18	0	0	0	20	159	189	101	63	97	116	117	84	54	107	8	2	8	7	105	75	55	43	0	7	224	39	50	76	1922
46023	46388	2026	2027	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	54	107	8	2	8	7	105	75	56	44	0	7	224	39	51	76	1922
46388	46753	2027	2028	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	54	107	9	2	8	7	106	75	56	44	0	7	224	39	51	76	1923
46753	47119	2028	2029	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	75	56	44	0	7	224	40	51	76	1924
47119	47484	2029	2030	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	56	45	0	7	225	40	52	77	1925
47484	47849	2030	2031	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	56	45	0	7	225	40	52	77	1926
47849	48214	2031	2032	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	45	0	7	225	40	52	77	1927
48214	48580	2032	2033	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	225	40	52	78	1928
48580	48945	2033	2034	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	225	40	53	78	1929
48945	49310	2034	2035	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	226	40	53	78	1930
49310	49675	2035	2036	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	226	41	53	78	1931
49675	50041	2036	2037	30	67	18	0	0	0	19	157	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	58	47	0	7	226	41	53	78	1932
50041	50406	2037	2038	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	76	58	47	0	7	226	41	53	79	1934
50406	50771	2038	2039	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	77	58	47	0	7	226	41	54	79	1935
50771	51136	2039	2040	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	77	58	47	0	7	226	41	54	79	1936
51136	51502	2040	2041	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	106	77	58	47	0	7	227	41	54	79	1937
51502	51867	2041	2042	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	106	77	58	48	0	7	227	41	54	79	1938
51867	52232	2042	2043	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	106	77	59	48	0	7	227	41	54	79	1939
52232	52597	2043	2044	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	107	77	59	48	0	7	227	41	54	80	1940
52597	52963	2044	2045	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	227	41	54	80	1941
52963	53328	2045	2046	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	227	42	54	80	1942
53328	53693	2046	2047	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	227	42	55	80	1943
53693	54058	2047	2048	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	228	42	55	80	1944
54058	54424	2048	2049	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	228	42	55	80	1944
54424	54789	2049	2050	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	49	0	7	228	42	55	80	1945
54789	55154	2050	2051	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	59	49	0	7	228	42	55	80	1946
55154	55519	2051	2052	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	81	1947
55519	55885	2052	2053	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	81	1948
55885	56250	2053	2054	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	81	1948
56250	56615	2054	2055	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1949
56615	56980	2055	2056	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1950
56980	57346	2056	2057	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1950
57346	57711	2057	2058	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1951
57711	58076	2058	2059	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1952
58076	58441	2059	2060	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	56	81	1952

B-5a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 4) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061.0	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	50	0	7	229	42	56	81	1953
58807	59172	2061.0	2062	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	43	56	82	1954
59172	59537	2062	2063	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	43	56	82	1954
59537	59902	2063	2064	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	43	56	82	1955
59902	60268	2064	2065	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	61	50	0	7	230	43	56	82	1955
60268	60633	2065	2066	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	61	50	0	7	230	43	56	82	1956
60633	60998	2066	2067	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	61	50	0	7	230	43	56	82	1956
60998	61363	2067	2068	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1957
61363	61729	2068	2069	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1957
61729	62094	2069	2070	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1958
62094	62459	2070	2071	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1958
62459	62824	2071	2072	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1959
62824	63190	2072	2073	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1959
63190	63555	2073	2074	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1960
63555	63920	2074	2075	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1960
63920	64285	2075	2076	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	83	1961
64285	64651	2076	2077	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	83	1961
64651	65016	2077	2078	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1961
65016	65381	2078	2079	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1962
65381	65746	2079	2080	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1962
65746	66112	2080	2081	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1962
66112	66477	2081	2082	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1963
66477	66842	2082	2083	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	56	83	1963
66842	67207	2083	2084	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	56	83	1964
67207	67573	2084	2085	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	57	83	1964
67573	67938	2085	2086	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	57	83	1964
67938	68303	2086	2087	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	62	51	0	7	231	43	57	83	1965
68303	68668	2087	2088	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1965
68668	69034	2088	2089	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1965
69034	69399	2089	2090	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1965
69399	69764	2090	2091	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1966
69764	70129	2091	2092	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	44	57	83	1966
70129	70495	2092	2093	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	44	57	83	1966
70495	70860	2093	2094	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	44	57	83	1967
70860	71225	2094	2095	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	44	57	83	1967
71225	71590	2095	2096	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	231	44	57	83	1967
71590	71956	2096	2097	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	83	1967
71956	72321	2097	2098	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	83	1968
72321	72686	2098	2099	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1968
72686	73051	2099	2100	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1968
73051	73416	2100	2101	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1968
73416	73781	2101	2102	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
73781	74146	2102	2103	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
74146	74511	2103	2104	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
74511	74877	2104	2105	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
74877	75242	2105	2106	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
75242	75607	2106	2107	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
75607	75972	2107	2108	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
75972	76338	2108	2109	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
76338	76703	2109	2110	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
76703	77068	2110	2111	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1971

B-5a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 4) (Part 3/3)



B-5a (S4). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35796	35977	1998	1998.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35977	36161	1998.5	1999	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
36161	36342	1999	1999.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
36342	36526	1999.5	2000	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	20
36526	36708	2000	2000.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36708	36892	2000.5	2001	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36892	37073	2001	2001.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37073	37257	2001.5	2002	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37257	37438	2002	2002.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37438	37622	2002.5	2003	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37622	37803	2003	2003.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37987	38169	2004	2004.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38169	38353	2004.5	2005	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38353	38534	2005	2005.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38534	38718	2005.5	2006	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38718	38899	2006	2006.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38899	39083	2006.5	2007	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	19
39083	39264	2007	2007.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	19
39264	39448	2007.5	2008	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	19
39448	39630	2008	2008.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
39630	39814	2008.5	2009	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	16
39814	39995	2009	2009.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	16
39995	40179	2009.5	2010	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

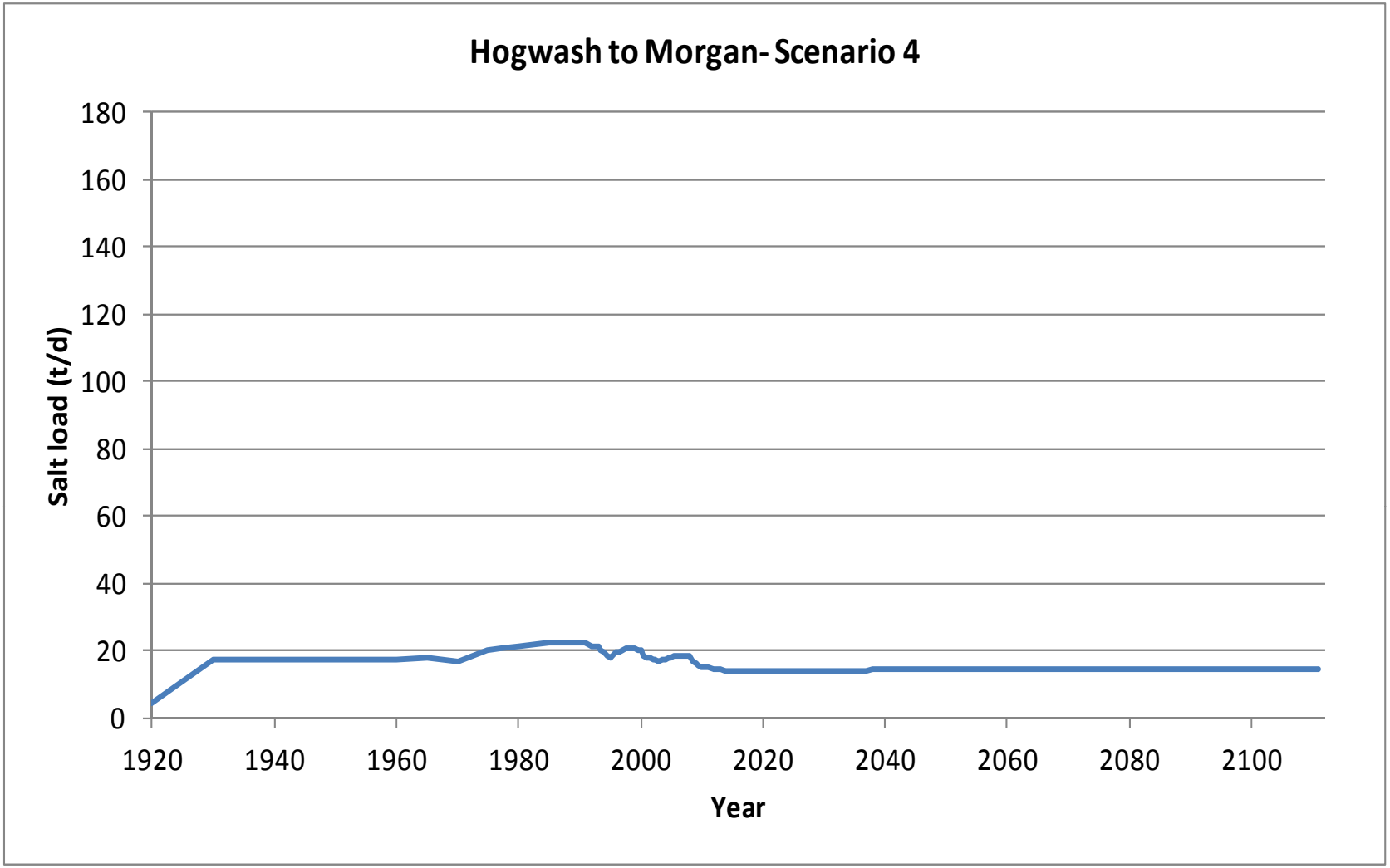
B-5b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 4) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
40360	40544	2010.5	2011	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
40544	40909	2011	2012	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
40909	41275	2012	2013	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
41275	41640	2013	2014	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
41640	42005	2014	2015	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 4) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 4) (Part 3/3)



B-5b (S4). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	1	33	376	528	274	114	236	278	235	170	175	138	0	1	3	7	103	72	49	30	0	2	205	30	23	124	3324
34881	35065	1995.5	1996	31	68	18	0	1	1	35	379	525	270	113	232	274	231	165	176	162	1	2	9	7	103	72	49	30	0	5	225	33	23	121	3360
35065	35247	1996	1996.5	31	68	18	0	1	1	35	377	520	267	112	230	272	228	161	176	174	3	4	14	7	104	72	50	30	0	6	233	34	23	119	3368
35247	35431	1996.5	1997	31	68	18	0	1	1	35	375	514	264	111	228	270	226	159	175	180	4	4	17	7	104	73	50	30	0	7	239	34	23	117	3365
35431	35612	1997	1997.5	31	68	18	0	1	1	36	390	513	263	110	227	270	229	158	182	186	6	5	24	7	104	73	50	30	0	8	256	37	23	117	3423
35612	35796	1997.5	1998	31	68	18	0	1	1	37	391	512	263	110	228	270	230	158	184	190	7	6	25	7	105	73	50	30	0	9	272	40	24	116	3455
35796	35977	1998	1998.5	31	68	18	0	1	1	37	390	511	263	110	228	270	230	158	184	194	8	7	27	7	105	73	51	30	0	10	281	42	24	116	3472
35977	36161	1998.5	1999	31	68	18	0	1	1	37	389	509	262	110	227	270	229	158	184	196	9	7	28	7	105	73	51	31	0	10	286	43	24	116	3481
36161	36342	1999	1999.5	31	68	18	0	1	0	34	371	494	250	107	213	248	212	150	165	177	9	6	22	7	105	73	51	31	0	10	286	43	24	111	3316
36342	36526	1999.5	2000	31	68	18	0	1	0	33	362	477	240	103	205	239	204	143	159	174	10	6	23	7	105	73	51	31	0	12	303	45	24	106	3254
36526	36708	2000	2000.5	31	68	18	0	0	0	25	333	450	222	98	186	212	182	131	136	153	11	5	18	7	105	73	51	30	0	11	279	43	23	97	2996
36708	36892	2000.5	2001	31	67	18	0	0	0	23	317	424	207	93	174	199	171	121	127	147	10	5	18	7	105	73	51	30	0	10	271	41	22	88	2851
36892	37073	2001	2001.5	31	67	18	0	0	0	38	320	404	196	90	167	192	164	113	120	147	10	5	17	7	105	73	51	30	0	10	273	41	21	82	2796
37073	37257	2001.5	2002	31	67	18	0	0	0	40	314	388	188	88	162	187	159	107	115	146	10	5	17	7	105	73	51	30	0	10	273	41	20	79	2732
37257	37438	2002	2002.5	30	67	18	0	0	0	40	306	375	182	86	158	183	155	102	110	144	10	5	17	7	105	73	51	30	0	10	273	41	19	76	2676
37438	37622	2002.5	2003	30	67	18	0	0	0	40	299	363	177	85	155	180	152	98	106	143	10	5	17	7	105	73	51	30	0	10	273	40	19	74	2628
37622	37803	2003	2003.5	30	67	18	0	0	0	49	295	354	173	83	153	179	163	113	111	155	11	5	18	7	105	73	51	30	0	11	280	41	19	72	2666
37803	37987	2003.5	2004	30	67	18	0	0	0	51	291	347	170	83	151	178	167	118	114	163	12	6	19	7	105	74	51	30	0	12	286	42	18	71	2682
37987	38169	2004	2004.5	30	67	18	0	0	0	51	288	341	169	82	150	178	176	139	117	167	14	6	20	7	105	74	51	30	0	12	291	42	18	70	2717
38169	38353	2004.5	2005	30	67	18	0	1	1	51	285	337	167	82	150	178	178	144	120	171	15	7	21	7	105	74	51	30	0	13	295	43	18	69	2728
38353	38534	2005	2005.5	31	67	18	0	1	1	51	282	334	166	82	150	178	179	146	122	174	17	8	22	7	105	74	51	31	0	13	297	44	23	70	2745
38534	38718	2005.5	2006	31	67	18	0	1	1	51	280	332	165	82	149	178	179	147	123	177	19	9	23	7	105	74	51	32	0	13	299	45	25	71	2754
38718	38899	2006	2006.5	31	67	18	0	1	1	51	278	330	165	81	149	178	179	147	123	179	19	9	23	7	105	74	52	32	0	14	302	45	26	72	2758
38899	39083	2006.5	2007	31	68	18	0	1	1	51	277	328	164	81	148	177	179	147	123	180	20	9	24	7	105	74	52	32	0	14	305	46	28	73	2761
39083	39264	2007	2007.5	31	68	18	0	1	1	51	275	326	163	81	148	177	179	147	123	181	21	10	24	7	105	74	52	32	0	14	308	47	28	73	2765
39264	39448	2007.5	2008	31	68	18	0	1	1	50	274	324	163	81	148	177	178	146	122	183	23	10	25	7	105	74	52	33	0	14	311	48	29	74	2772
39448	39630	2008	2008.5	31	68	18	0	1	0	34	244	309	151	77	134	154	153	125	99	156	21	8	19	7	105	74	52	33	0	12	273	44	30	71	2503
39630	39814	2008.5	2009	31	67	18	0	0	0	30	232	291	140	74	125	144	143	115	90	145	18	7	16	7	105	74	52	33	0	10	255	41	31	67	2362
39814	39995	2009	2009.5	31	67	18	0	0	0	29	223	277	136	72	120	138	137	111	86	138	16	6	14	7	105	74	52	34	0	9	245	40	33	65	2283
39995	40179	2009.5	2010	31	67	18	0	0	0	28	216	266	131	71	116	134	134	107	81	133	14	5	12	7	105	74	52	35	0	8	239	39	34	64	2219

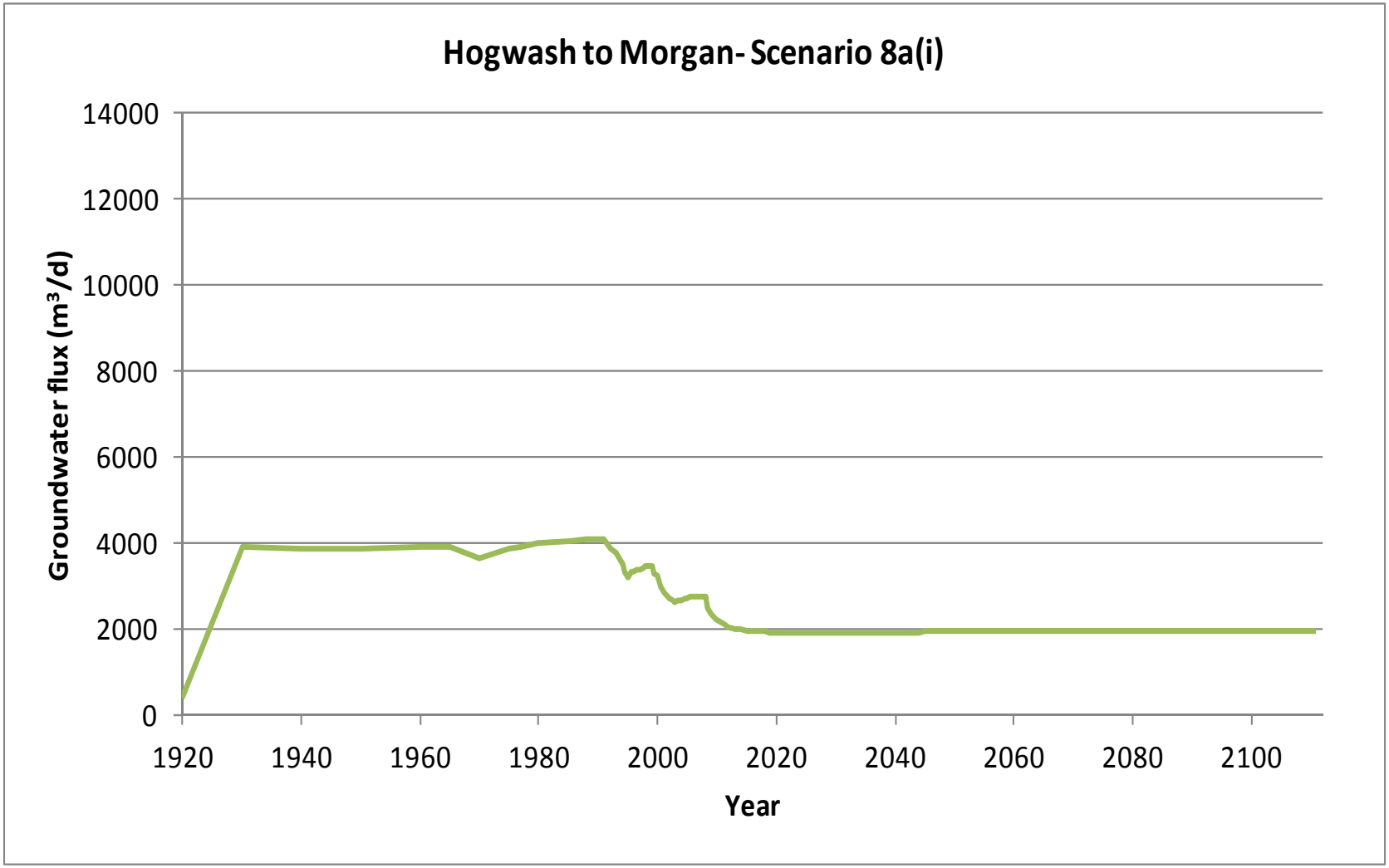
B-5a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	31	67	18	0	0	0	27	210	256	127	70	113	132	131	103	77	129	13	4	11	7	105	74	52	35	0	8	235	38	35	64	2170
40360	40544	2010.5	2011	30	67	18	0	0	0	27	204	248	124	69	111	129	129	100	74	125	12	4	10	7	105	74	52	35	0	8	231	37	36	65	2130
40544	40909	2011	2012	30	67	18	0	0	0	26	195	235	118	68	107	126	125	96	69	120	10	3	9	7	105	74	52	36	0	7	227	37	38	66	2071
40909	41275	2012	2013	30	67	18	0	0	0	25	188	225	114	67	105	123	123	93	65	116	10	3	8	7	105	74	52	36	0	7	225	37	40	67	2029
41275	41640	2013	2014	30	67	18	0	0	0	24	182	217	111	66	103	122	123	92	63	114	9	3	8	7	105	74	52	37	0	7	224	37	41	68	2003
41640	42005	2014	2015	30	67	18	0	0	0	23	177	211	109	65	102	121	122	90	61	112	9	3	8	7	105	74	52	38	0	7	223	37	42	69	1982
42005	42370	2015	2016	30	67	18	0	0	0	23	173	206	107	65	101	120	121	89	59	111	9	3	8	7	105	74	53	38	0	7	222	37	44	70	1965
42370	42736	2016	2017	30	67	18	0	0	0	22	170	202	105	64	100	119	120	88	58	110	9	2	8	7	105	74	53	39	0	7	222	37	45	71	1952
42736	43101	2017	2018	30	67	18	0	0	0	22	168	199	104	64	99	118	120	87	57	109	9	2	8	7	105	74	53	39	0	7	222	37	46	72	1943
43101	43466	2018	2019	30	67	18	0	0	0	21	166	197	103	64	99	118	119	86	56	108	9	2	8	7	105	74	53	40	0	7	222	37	46	72	1936
43466	43831	2019	2020	30	67	18	0	0	0	21	164	195	103	64	98	117	119	85	56	108	9	2	8	7	105	74	54	41	0	7	222	38	47	73	1931
43831	44197	2020	2021	30	67	18	0	0	0	21	163	194	102	64	98	117	118	85	55	107	8	2	8	7	105	74	54	41	0	7	222	38	48	73	1927
44197	44562	2021	2022	30	67	18	0	0	0	20	162	192	102	63	98	117	118	84	55	107	8	2	8	7	105	75	54	42	0	7	223	38	48	74	1925
44562	44927	2022	2023	30	67	18	0	0	0	20	161	191	101	63	98	117	118	84	54	107	8	2	8	7	105	75	54	42	0	7	223	38	49	74	1923
44927	45292	2023	2024	30	67	18	0	0	0	20	160	191	101	63	97	116	118	84	54	107	8	2	8	7	105	75	55	43	0	7	223	39	49	75	1922
45292	45658	2024	2025	30	67	18	0	0	0	20	160	190	101	63	97	116	118	84	54	107	8	2	8	7	105	75	55	43	0	7	223	39	50	75	1922
45658	46023	2025	2026	30	67	18	0	0	0	20	159	189	101	63	97	116	117	84	54	107	8	2	8	7	105	75	55	43	0	7	224	39	50	75	1922
46023	46388	2026	2027	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	54	107	8	2	8	7	105	75	56	44	0	7	224	39	51	76	1922
46388	46753	2027	2028	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	54	107	8	2	8	7	106	75	56	44	0	7	224	39	51	76	1923
46753	47119	2028	2029	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	75	56	44	0	7	224	40	51	76	1924
47119	47484	2029	2030	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	56	45	0	7	224	40	52	77	1925
47484	47849	2030	2031	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	56	45	0	7	225	40	52	77	1926
47849	48214	2031	2032	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	45	0	7	225	40	52	77	1927
48214	48580	2032	2033	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	225	40	52	77	1928
48580	48945	2033	2034	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	225	40	53	78	1929
48945	49310	2034	2035	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	225	40	53	78	1930
49310	49675	2035	2036	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	57	46	0	7	226	41	53	78	1931
49675	50041	2036	2037	30	67	18	0	0	0	19	157	188	100	63	97	116	117	83	53	107	9	2	8	7	106	76	58	47	0	7	226	41	53	78	1932
50041	50406	2037	2038	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	76	58	47	0	7	226	41	53	78	1933
50406	50771	2038	2039	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	77	58	47	0	7	226	41	54	79	1935
50771	51136	2039	2040	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	77	58	47	0	7	226	41	54	79	1936
51136	51502	2040	2041	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	2	8	7	106	77	58	47	0	7	227	41	54	79	1937
51502	51867	2041	2042	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	106	77	58	48	0	7	227	41	54	79	1938
51867	52232	2042	2043	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	106	77	59	48	0	7	227	41	54	79	1939
52232	52597	2043	2044	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	7	107	77	59	48	0	7	227	41	54	79	1940
52597	52963	2044	2045	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	227	41	54	80	1941
52963	53328	2045	2046	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	227	41	54	80	1942
53328	53693	2046	2047	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	227	42	55	80	1942
53693	54058	2047	2048	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	228	42	55	80	1943
54058	54424	2048	2049	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	48	0	7	228	42	55	80	1944
54424	54789	2049	2050	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	77	59	49	0	7	228	42	55	80	1945
54789	55154	2050	2051	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	59	49	0	7	228	42	55	80	1946
55154	55519	2051	2052	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	80	1947
55519	55885	2052	2053	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	81	1947
55885	56250	2053	2054	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	81	1948
56250	56615	2054	2055	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	107	9	3	8	8	107	78	60	49	0	7	228	42	55	81	1949
56615	56980	2055	2056	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1949
56980	57346	2056	2057	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1950
57346	57711	2057	2058	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1951
57711	58076	2058	2059	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1951
58076	58441	2059	2060	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	49	0	7	229	42	55	81	1952

B-5a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061.0	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	107	78	60	50	0	7	229	42	56	81	1953
58807	59172	2061.0	2062	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	42	56	81	1953
59172	59537	2062	2063	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	43	56	82	1954
59537	59902	2063	2064	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	43	56	82	1954
59902	60268	2064	2065	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	60	50	0	7	229	43	56	82	1955
60268	60633	2065	2066	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	61	50	0	7	230	43	56	82	1955
60633	60998	2066	2067	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	78	61	50	0	7	230	43	56	82	1956
60998	61363	2067	2068	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1957
61363	61729	2068	2069	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1957
61729	62094	2069	2070	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1957
62094	62459	2070	2071	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1958
62459	62824	2071	2072	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1958
62824	63190	2072	2073	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1959
63190	63555	2073	2074	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1959
63555	63920	2074	2075	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1960
63920	64285	2075	2076	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1960
64285	64651	2076	2077	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	82	1961
64651	65016	2077	2078	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	83	1961
65016	65381	2078	2079	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	230	43	56	83	1961
65381	65746	2079	2080	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1962
65746	66112	2080	2081	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1962
66112	66477	2081	2082	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	50	0	7	231	43	56	83	1962
66477	66842	2082	2083	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	56	83	1963
66842	67207	2083	2084	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	56	83	1963
67207	67573	2084	2085	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	56	83	1963
67573	67938	2085	2086	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	56	83	1964
67938	68303	2086	2087	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	61	51	0	7	231	43	57	83	1964
68303	68668	2087	2088	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	108	79	62	51	0	7	231	43	57	83	1964
68668	69034	2088	2089	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1965
69034	69399	2089	2090	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1965
69399	69764	2090	2091	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1965
69764	70129	2091	2092	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1966
70129	70495	2092	2093	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1966
70495	70860	2093	2094	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	43	57	83	1966
70860	71225	2094	2095	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	79	62	51	0	7	231	44	57	83	1966
71225	71590	2095	2096	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	231	44	57	83	1967
71590	71956	2096	2097	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	231	44	57	83	1967
71956	72321	2097	2098	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	231	44	57	83	1967
72321	72686	2098	2099	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	231	44	57	83	1967
72686	73051	2099	2100	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	231	44	57	83	1968
73051	73416	2100	2101	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	83	1968
73416	73781	2101	2102	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	83	1968
73781	74146	2102	2103	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	83	1968
74146	74511	2103	2104	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
74511	74877	2104	2105	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
74877	75242	2105	2106	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
75242	75607	2106	2107	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
75607	75972	2107	2108	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1969
75972	76338	2108	2109	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
76338	76703	2109	2110	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970
76703	77068	2110	2111	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	54	108	9	3	8	8	109	80	62	51	0	7	232	44	57	84	1970

B-5a (S8a(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(i)) (Part 3/3)



B-5a (S8a(i)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8a(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35796	35977	1998	1998.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35977	36161	1998.5	1999	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
36161	36342	1999	1999.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
36342	36526	1999.5	2000	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	20
36526	36708	2000	2000.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36708	36892	2000.5	2001	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36892	37073	2001	2001.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37073	37257	2001.5	2002	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37257	37438	2002	2002.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37438	37622	2002.5	2003	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37622	37803	2003	2003.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37987	38169	2004	2004.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38169	38353	2004.5	2005	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38353	38534	2005	2005.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38534	38718	2005.5	2006	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38718	38899	2006	2006.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38899	39083	2006.5	2007	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	19
39083	39264	2007	2007.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	19
39264	39448	2007.5	2008	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	19
39448	39630	2008	2008.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
39630	39814	2008.5	2009	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	16
39814	39995	2009	2009.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	16
39995	40179	2009.5	2010	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

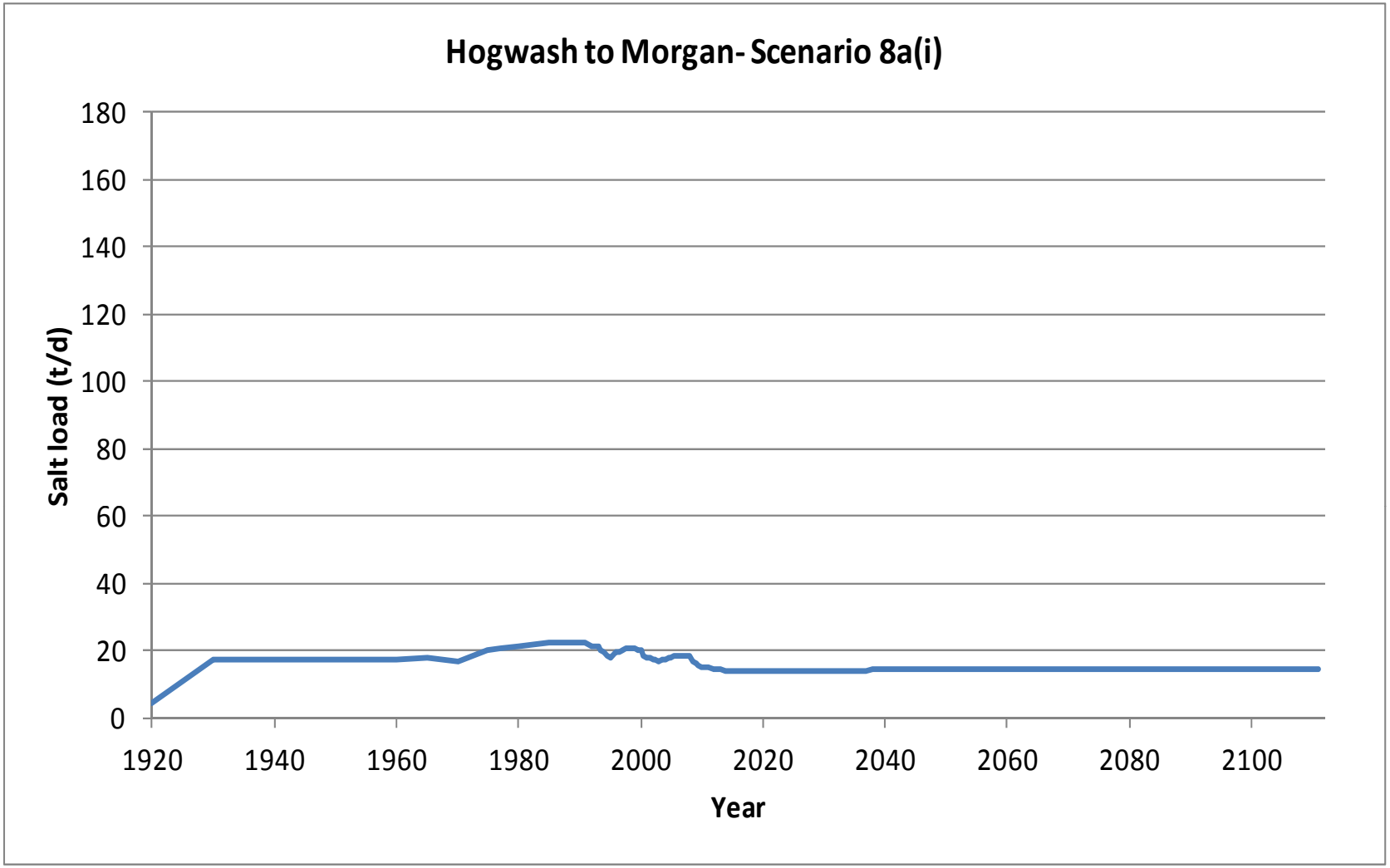
B-5b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
40360	40544	2010.5	2011	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
40544	40909	2011	2012	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	15
40909	41275	2012	2013	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
41275	41640	2013	2014	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
41640	42005	2014	2015	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	14
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	14
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
Salinity (mg/L)				*8500*	*8500*	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	1	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(i)) (Part 3/3)



B-5b (S8a(i)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8a(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	1	33	376	528	274	114	236	278	235	170	175	138	0	1	3	7	103	72	49	30	0	2	205	30	23	124	3324
34881	35065	1995.5	1996	31	68	18	0	1	1	35	379	525	270	113	232	274	231	165	176	162	1	2	9	7	103	72	49	30	0	5	225	33	23	121	3360
35065	35247	1996	1996.5	31	68	18	0	1	1	35	377	520	267	112	230	272	228	161	176	174	3	4	14	7	104	72	50	30	0	6	233	34	23	119	3368
35247	35431	1996.5	1997	31	68	18	0	1	1	35	375	514	264	111	228	270	226	159	175	180	4	4	17	7	104	73	50	30	0	7	239	34	23	117	3365
35431	35612	1997	1997.5	31	68	18	0	1	1	36	390	513	263	110	227	270	229	158	182	186	6	5	24	7	104	73	50	30	0	8	256	37	23	117	3423
35612	35796	1997.5	1998	31	68	18	0	1	1	37	391	512	263	110	228	270	230	158	184	190	7	6	25	7	105	73	50	30	0	9	272	40	24	116	3455
35796	35977	1998	1998.5	31	68	18	0	1	1	37	390	511	263	110	228	270	230	158	184	194	8	7	27	7	105	73	51	30	0	10	281	42	24	116	3472
35977	36161	1998.5	1999	31	68	18	0	1	1	37	389	509	262	110	227	270	229	158	184	196	9	7	28	7	105	73	51	31	0	10	286	43	24	116	3481
36161	36342	1999	1999.5	31	68	18	0	1	0	34	371	494	250	107	213	248	212	150	165	177	9	6	22	7	105	73	51	31	0	10	286	43	24	111	3316
36342	36526	1999.5	2000	31	68	18	0	1	0	33	362	477	240	103	205	239	204	143	159	174	10	6	23	7	105	73	51	31	0	12	303	45	24	106	3254
36526	36708	2000	2000.5	31	68	18	0	0	0	25	333	450	222	98	186	212	182	131	136	153	11	5	18	7	105	73	51	30	0	11	279	43	23	97	2996
36708	36892	2000.5	2001	31	67	18	0	0	0	23	317	424	207	93	174	199	171	121	127	147	10	5	18	7	105	73	51	30	0	10	271	41	22	88	2851
36892	37073	2001	2001.5	31	67	18	0	0	0	38	320	404	196	90	167	192	164	113	120	147	10	5	17	7	105	73	51	30	0	10	273	41	21	82	2795
37073	37257	2001.5	2002	31	67	18	0	0	0	40	314	388	188	88	162	187	159	107	115	146	10	5	17	7	105	73	51	30	0	10	273	41	20	77	2729
37257	37438	2002	2002.5	30	67	18	0	0	0	40	306	375	182	86	158	183	155	102	110	144	10	5	17	7	105	73	51	30	0	10	273	40	19	72	2672
37438	37622	2002.5	2003	30	67	18	0	0	0	40	299	363	177	85	155	180	152	98	106	143	10	5	17	7	105	73	51	30	0	10	272	40	18	69	2621
37622	37803	2003	2003.5	30	67	18	0	0	0	49	295	354	173	83	153	179	163	113	111	155	11	5	18	7	105	73	51	30	0	11	279	40	17	66	2657
37803	37987	2003.5	2004	30	67	18	0	0	0	51	291	347	170	83	151	178	167	118	114	163	12	6	19	7	105	74	51	30	0	12	285	41	17	64	2671
37987	38169	2004	2004.5	30	67	18	0	0	0	51	288	341	169	82	150	178	176	139	117	167	14	6	20	7	105	74	51	30	0	12	289	41	17	62	2704
38169	38353	2004.5	2005	30	67	18	0	1	1	51	285	337	167	82	150	178	178	144	120	171	15	7	21	7	105	74	51	30	0	13	292	41	16	61	2714
38353	38534	2005	2005.5	31	67	18	0	1	1	51	282	334	166	82	150	178	179	146	122	174	17	8	22	7	105	74	51	31	0	13	295	42	20	60	2729
38534	38718	2005.5	2006	31	67	18	0	1	1	51	280	332	165	82	149	178	179	147	123	177	19	9	23	7	105	74	51	31	0	13	297	43	23	61	2737
38718	38899	2006	2006.5	31	67	18	0	1	1	51	278	330	165	81	149	178	179	147	123	178	19	9	23	7	105	74	52	32	0	13	299	43	24	62	2740
38899	39083	2006.5	2007	31	68	18	0	1	1	51	277	328	164	81	148	177	179	147	123	180	20	9	24	7	105	74	52	32	0	14	302	44	25	62	2742
39083	39264	2007	2007.5	31	68	18	0	1	1	51	275	326	163	81	148	177	179	147	123	181	21	10	24	7	105	74	52	32	0	14	304	45	26	62	2744
39264	39448	2007.5	2008	31	68	18	0	1	1	50	274	324	163	81	148	177	178	146	122	183	23	10	25	7	105	74	52	32	0	14	307	45	26	63	2750
39448	39630	2008	2008.5	31	68	18	0	1	0	34	244	309	151	77	134	154	153	125	99	156	21	8	19	7	105	74	52	33	0	12	269	42	27	59	2480
39630	39814	2008.5	2009	31	67	18	0	0	0	30	232	291	140	74	125	144	143	115	90	145	18	7	16	7	105	74	52	33	0	10	251	39	27	55	2338
39814	39995	2009	2009.5	31	67	18	0	0	0	29	223	277	136	72	120	138	137	111	86	138	15	5	14	7	105	74	52	34	0	9	241	37	29	52	2258
39995	40179	2009.5	2010	31	67	18	0	0	0	28	216	266	131	71	116	134	134	107	81	132	14	4	12	7	105	74	52	34	0	8	234	36	30	51	2193

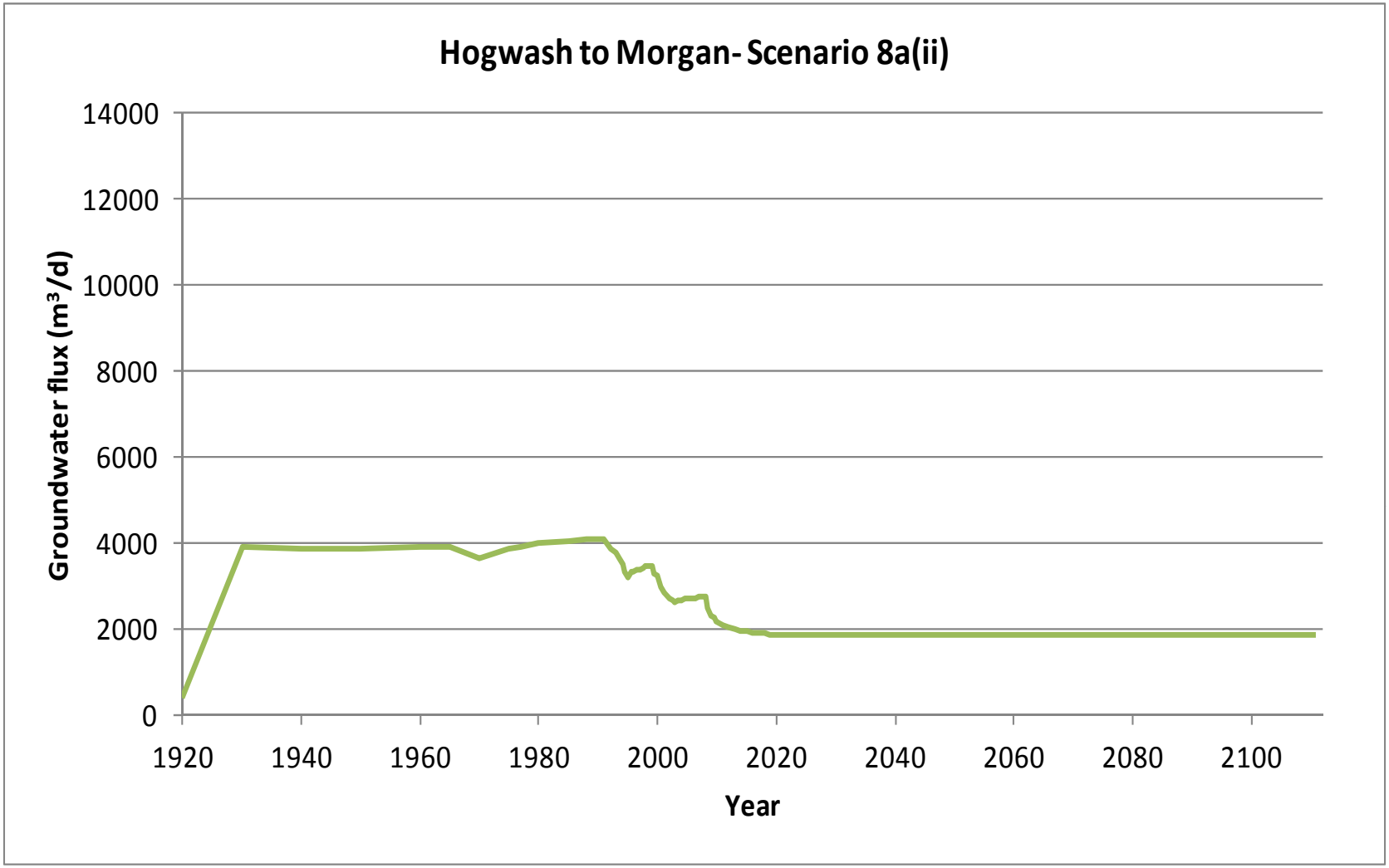
B-5a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	31	67	18	0	0	0	27	210	256	127	70	113	132	131	103	77	128	12	4	11	7	105	74	52	35	0	8	230	35	31	51	2143
40360	40544	2010.5	2011	30	67	18	0	0	0	27	204	248	124	69	111	129	129	100	74	125	11	3	10	7	105	74	52	35	0	7	226	34	32	51	2101
40544	40909	2011	2012	30	67	18	0	0	0	26	195	235	118	68	107	126	125	96	69	119	10	3	9	7	105	74	52	35	0	7	222	33	33	51	2041
40909	41275	2012	2013	30	67	18	0	0	0	25	188	225	114	67	105	123	123	93	65	116	9	3	8	7	105	74	52	36	0	7	219	33	35	52	1997
41275	41640	2013	2014	30	67	18	0	0	0	24	182	217	111	66	103	122	123	92	63	113	9	3	8	7	105	74	52	37	0	7	217	33	36	52	1969
41640	42005	2014	2015	30	67	18	0	0	0	23	177	211	109	65	102	121	122	90	61	111	9	2	8	7	105	74	52	37	0	7	215	33	37	53	1946
42005	42370	2015	2016	30	67	18	0	0	0	23	173	206	107	65	101	120	121	89	59	110	8	2	8	7	105	74	52	38	0	6	215	32	38	53	1928
42370	42736	2016	2017	30	67	18	0	0	0	22	170	202	105	64	100	119	120	88	58	108	8	2	8	7	105	74	53	38	0	6	214	32	39	54	1913
42736	43101	2017	2018	30	67	18	0	0	0	22	168	199	104	64	99	118	120	87	57	107	8	2	8	7	105	74	53	39	0	6	213	32	40	54	1902
43101	43466	2018	2019	30	67	18	0	0	0	21	166	197	103	64	99	118	119	86	56	107	8	2	8	7	105	74	53	39	0	6	213	33	41	54	1894
43466	43831	2019	2020	30	67	18	0	0	0	21	164	195	103	64	98	117	119	85	55	106	8	2	7	7	105	74	53	40	0	6	213	33	41	54	1887
43831	44197	2020	2021	30	67	18	0	0	0	21	163	194	102	64	98	117	118	85	55	106	8	2	7	7	105	74	54	40	0	6	212	33	42	54	1882
44197	44562	2021	2022	30	67	18	0	0	0	20	162	192	102	63	98	117	118	84	54	105	8	2	7	7	105	74	54	41	0	6	212	33	42	55	1878
44562	44927	2022	2023	30	67	18	0	0	0	20	161	191	101	63	98	117	118	84	54	105	8	2	7	7	105	75	54	41	0	6	212	33	42	55	1875
44927	45292	2023	2024	30	67	18	0	0	0	20	160	191	101	63	97	116	118	84	54	105	8	2	7	7	105	75	54	42	0	6	212	33	43	55	1873
45292	45658	2024	2025	30	67	18	0	0	0	20	160	190	101	63	97	116	118	84	54	105	8	2	7	7	105	75	55	42	0	6	212	33	43	55	1872
45658	46023	2025	2026	30	67	18	0	0	0	20	159	189	100	63	97	116	117	84	53	105	8	2	7	7	105	75	55	42	0	6	212	33	44	55	1871
46023	46388	2026	2027	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	104	8	2	7	7	105	75	55	43	0	6	212	33	44	55	1870
46388	46753	2027	2028	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	104	8	2	7	7	105	75	55	43	0	6	212	33	44	55	1870
46753	47119	2028	2029	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	105	75	56	43	0	6	211	33	44	55	1869
47119	47484	2029	2030	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	75	56	44	0	6	211	33	44	55	1869
47484	47849	2030	2031	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	56	44	0	6	211	33	45	55	1870
47849	48214	2031	2032	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	56	44	0	6	211	33	45	55	1870
48214	48580	2032	2033	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	56	44	0	6	211	33	45	55	1870
48580	48945	2033	2034	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1870
48945	49310	2034	2035	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1871
49310	49675	2035	2036	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1871
49675	50041	2036	2037	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	46	56	1872
50041	50406	2037	2038	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	46	0	6	211	33	46	56	1872
50406	50771	2038	2039	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	46	0	6	211	33	46	56	1873
50771	51136	2039	2040	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	58	46	0	6	211	33	46	56	1873
51136	51502	2040	2041	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	56	1874
51502	51867	2041	2042	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	56	1874
51867	52232	2042	2043	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	56	1875
52232	52597	2043	2044	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	56	1875
52597	52963	2044	2045	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	47	0	6	211	33	46	56	1876
52963	53328	2045	2046	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	107	77	58	47	0	6	211	33	46	56	1876
53328	53693	2046	2047	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	107	77	58	47	0	6	211	33	46	56	1876
53693	54058	2047	2048	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	56	1877
54058	54424	2048	2049	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	56	1877
54424	54789	2049	2050	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	47	56	1878
54789	55154	2050	2051	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	47	56	1878
55154	55519	2051	2052	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	47	56	1879
55519	55885	2052	2053	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	47	56	1879
55885	56250	2053	2054	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	47	0	6	211	33	47	56	1879
56250	56615	2054	2055	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1880
56615	56980	2055	2056	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1880
56980	57346	2056	2057	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1881
57346	57711	2057	2058	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1881
57711	58076	2058	2059	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1881
58076	58441	2059	2060	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1882

B-5a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1882
58807	59172	2061	2062	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	34	47	56	1882
59172	59537	2062	2063	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	34	47	56	1883
59537	59902	2063	2064	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	34	47	56	1883
59902	60268	2064	2065	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	34	47	56	1883
60268	60633	2065	2066	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	34	47	56	1884
60633	60998	2066	2067	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	34	47	56	1884
60998	61363	2067	2068	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	34	47	56	1884
61363	61729	2068	2069	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	34	47	56	1885
61729	62094	2069	2070	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	212	34	47	56	1885
62094	62459	2070	2071	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	212	34	47	56	1885
62459	62824	2071	2072	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	212	34	47	56	1885
62824	63190	2072	2073	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	49	0	6	212	34	47	56	1886
63190	63555	2073	2074	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	49	0	6	212	34	47	56	1886
63555	63920	2074	2075	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	212	34	47	57	1886
63920	64285	2075	2076	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	212	34	47	57	1887
64285	64651	2076	2077	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	212	34	47	57	1887
64651	65016	2077	2078	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	212	34	47	57	1887
65016	65381	2078	2079	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1887
65381	65746	2079	2080	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1888
65746	66112	2080	2081	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1888
66112	66477	2081	2082	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1888
66477	66842	2082	2083	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1888
66842	67207	2083	2084	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1889
67207	67573	2084	2085	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1889
67573	67938	2085	2086	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1889
67938	68303	2086	2087	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	47	57	1889
68303	68668	2087	2088	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1889
68668	69034	2088	2089	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1890
69034	69399	2089	2090	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1890
69399	69764	2090	2091	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1890
69764	70129	2091	2092	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1890
70129	70495	2092	2093	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1890
70495	70860	2093	2094	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1891
70860	71225	2094	2095	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	212	34	48	57	1891
71225	71590	2095	2096	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1891
71590	71956	2096	2097	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1891
71956	72321	2097	2098	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1891
72321	72686	2098	2099	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
72686	73051	2099	2100	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
73051	73416	2100	2101	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
73416	73781	2101	2102	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
73781	74146	2102	2103	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
74146	74511	2103	2104	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
74511	74877	2104	2105	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1892
74877	75242	2105	2106	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1893
75242	75607	2106	2107	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1893
75607	75972	2107	2108	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1893
75972	76338	2108	2109	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1893
76338	76703	2109	2110	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	48	57	1893
76703	77068	2110	2111	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	80	61	49	0	6	212	34	48	57	1893

B-5a (S8a(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(ii)) (Part 3/3)



B-5a (S8a(ii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8a(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35796	35977	1998	1998.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35977	36161	1998.5	1999	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
36161	36342	1999	1999.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
36342	36526	1999.5	2000	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	20
36526	36708	2000	2000.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36708	36892	2000.5	2001	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36892	37073	2001	2001.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37073	37257	2001.5	2002	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37257	37438	2002	2002.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37438	37622	2002.5	2003	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37622	37803	2003	2003.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37987	38169	2004	2004.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38169	38353	2004.5	2005	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38353	38534	2005	2005.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38534	38718	2005.5	2006	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38718	38899	2006	2006.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38899	39083	2006.5	2007	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39083	39264	2007	2007.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39264	39448	2007.5	2008	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39448	39630	2008	2008.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	17
39630	39814	2008.5	2009	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	16
39814	39995	2009	2009.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
39995	40179	2009.5	2010	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

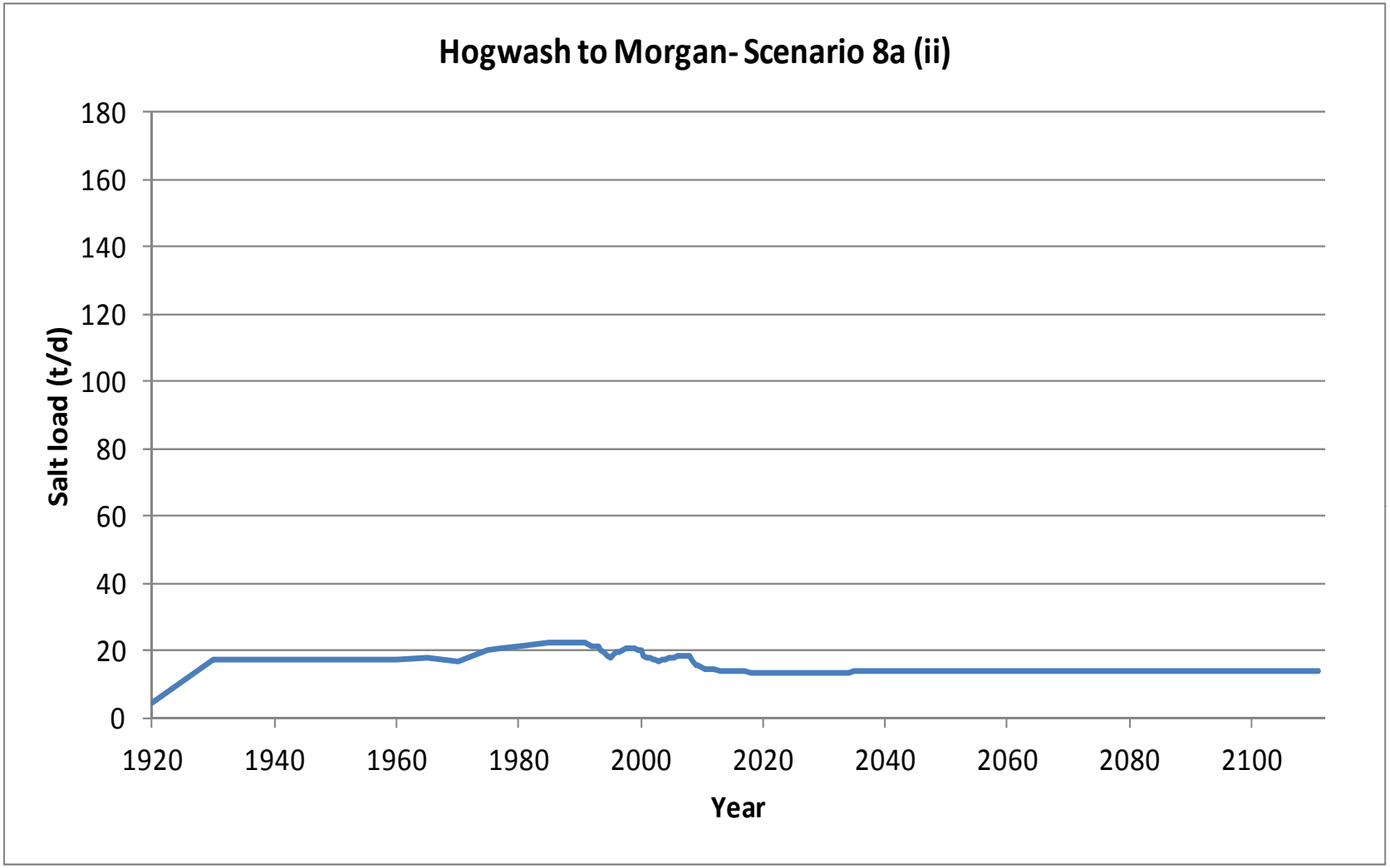
B-5b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
40360	40544	2010.5	2011	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
40544	40909	2011	2012	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
40909	41275	2012	2013	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
41275	41640	2013	2014	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
41640	42005	2014	2015	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(ii)) (Part 3/3)



B-5b (S8a(ii)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan(Scenario 8a(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	1	33	376	528	274	114	236	278	235	170	175	138	0	1	3	7	103	72	49	30	0	2	205	30	23	124	3324
34881	35065	1995.5	1996	31	68	18	0	1	1	35	379	525	270	113	232	274	231	165	176	162	1	2	9	7	103	72	49	30	0	5	225	33	23	121	3360
35065	35247	1996	1996.5	31	68	18	0	1	1	35	377	520	267	112	230	272	228	161	176	174	3	4	14	7	104	72	50	30	0	6	233	34	23	119	3368
35247	35431	1996.5	1997	31	68	18	0	1	1	35	375	514	264	111	228	270	226	159	175	180	4	4	17	7	104	73	50	30	0	7	239	34	23	117	3365
35431	35612	1997	1997.5	31	68	18	0	1	1	36	390	513	263	110	227	270	229	158	182	186	6	5	24	7	104	73	50	30	0	8	256	37	23	117	3423
35612	35796	1997.5	1998	31	68	18	0	1	1	37	391	512	263	110	228	270	230	158	184	190	7	6	25	7	105	73	50	30	0	9	272	40	24	116	3455
35796	35977	1998	1998.5	31	68	18	0	1	1	37	390	511	263	110	228	270	230	158	184	194	8	7	27	7	105	73	51	30	0	10	281	42	24	116	3472
35977	36161	1998.5	1999	31	68	18	0	1	1	37	389	509	262	110	227	270	229	158	184	196	9	7	28	7	105	73	51	31	0	10	286	43	24	116	3481
36161	36342	1999	1999.5	31	68	18	0	1	0	34	371	494	250	107	213	248	212	150	165	177	9	6	22	7	105	73	51	31	0	10	286	43	24	111	3316
36342	36526	1999.5	2000	31	68	18	0	1	0	33	362	477	240	103	205	239	204	143	159	174	10	6	23	7	105	73	51	31	0	12	303	45	24	106	3254
36526	36708	2000	2000.5	31	68	18	0	0	0	25	333	450	222	98	186	212	182	131	136	153	11	5	18	7	105	73	51	30	0	11	279	43	23	97	2996
36708	36892	2000.5	2001	31	67	18	0	0	0	23	317	424	207	93	174	199	171	121	127	147	10	5	18	7	105	73	51	30	0	10	271	41	22	88	2851
36892	37073	2001	2001.5	31	67	18	0	0	0	38	320	404	196	90	167	192	164	113	120	147	10	5	17	7	105	73	51	30	0	10	273	41	21	82	2795
37073	37257	2001.5	2002	31	67	18	0	0	0	40	314	388	188	88	162	187	159	107	115	146	10	5	17	7	105	73	51	30	0	10	273	41	20	77	2729
37257	37438	2002	2002.5	30	67	18	0	0	0	40	306	375	182	86	158	183	155	102	110	144	10	5	17	7	105	73	51	30	0	10	273	40	19	72	2672
37438	37622	2002.5	2003	30	67	18	0	0	0	40	299	363	177	85	155	180	152	98	106	143	10	5	17	7	105	73	51	30	0	10	272	40	18	69	2621
37622	37803	2003	2003.5	30	67	18	0	0	0	49	295	354	173	83	153	179	163	113	111	155	11	5	18	7	105	73	51	30	0	11	279	40	17	66	2657
37803	37987	2003.5	2004	30	67	18	0	0	0	51	291	347	170	83	151	178	167	118	114	163	12	6	19	7	105	74	51	30	0	12	285	41	17	64	2671
37987	38169	2004	2004.5	30	67	18	0	0	0	51	288	341	169	82	150	178	176	139	117	167	14	6	20	7	105	74	51	30	0	12	289	41	17	62	2704
38169	38353	2004.5	2005	30	67	18	0	1	1	51	285	337	167	82	150	178	178	144	120	171	15	7	21	7	105	74	51	30	0	13	292	41	16	61	2714
38353	38534	2005	2005.5	31	67	18	0	1	1	51	282	334	166	82	150	178	179	146	122	174	17	8	22	7	105	74	51	31	0	13	295	42	20	60	2729
38534	38718	2005.5	2006	31	67	18	0	1	1	51	280	332	165	82	149	178	179	147	123	177	19	9	23	7	105	74	51	31	0	13	297	43	23	61	2737
38718	38899	2006	2006.5	31	67	18	0	1	1	51	278	330	165	81	149	178	179	147	123	178	19	9	23	7	105	74	52	32	0	13	299	43	24	62	2740
38899	39083	2006.5	2007	31	68	18	0	1	1	51	277	328	164	81	148	177	179	147	123	180	20	9	24	7	105	74	52	32	0	14	302	44	25	62	2742
39083	39264	2007	2007.5	31	68	18	0	1	1	51	275	326	163	81	148	177	179	147	123	181	21	10	24	7	105	74	52	32	0	14	304	45	26	62	2744
39264	39448	2007.5	2008	31	68	18	0	1	1	50	274	324	163	81	148	177	178	146	122	183	23	10	25	7	105	74	52	32	0	14	307	45	26	63	2750
39448	39630	2008	2008.5	31	68	18	0	1	0	34	244	309	151	77	134	154	153	125	99	156	21	8	19	7	105	74	52	33	0	12	269	42	27	59	2480
39630	39814	2008.5	2009	31	67	18	0	0	0	30	232	291	140	74	125	144	143	115	90	145	18	7	16	7	105	74	52	33	0	10	251	39	27	55	2338
39814	39995	2009	2009.5	31	67	18	0	0	0	29	223	277	136	72	120	138	137	111	86	138	15	5	14	7	105	74	52	34	0	9	241	37	29	52	2258
39995	40179	2009.5	2010	31	67	18	0	0	0	28	216	266	131	71	116	134	134	107	81	132	14	4	12	7	105	74	52	34	0	8	234	36	30	51	2193

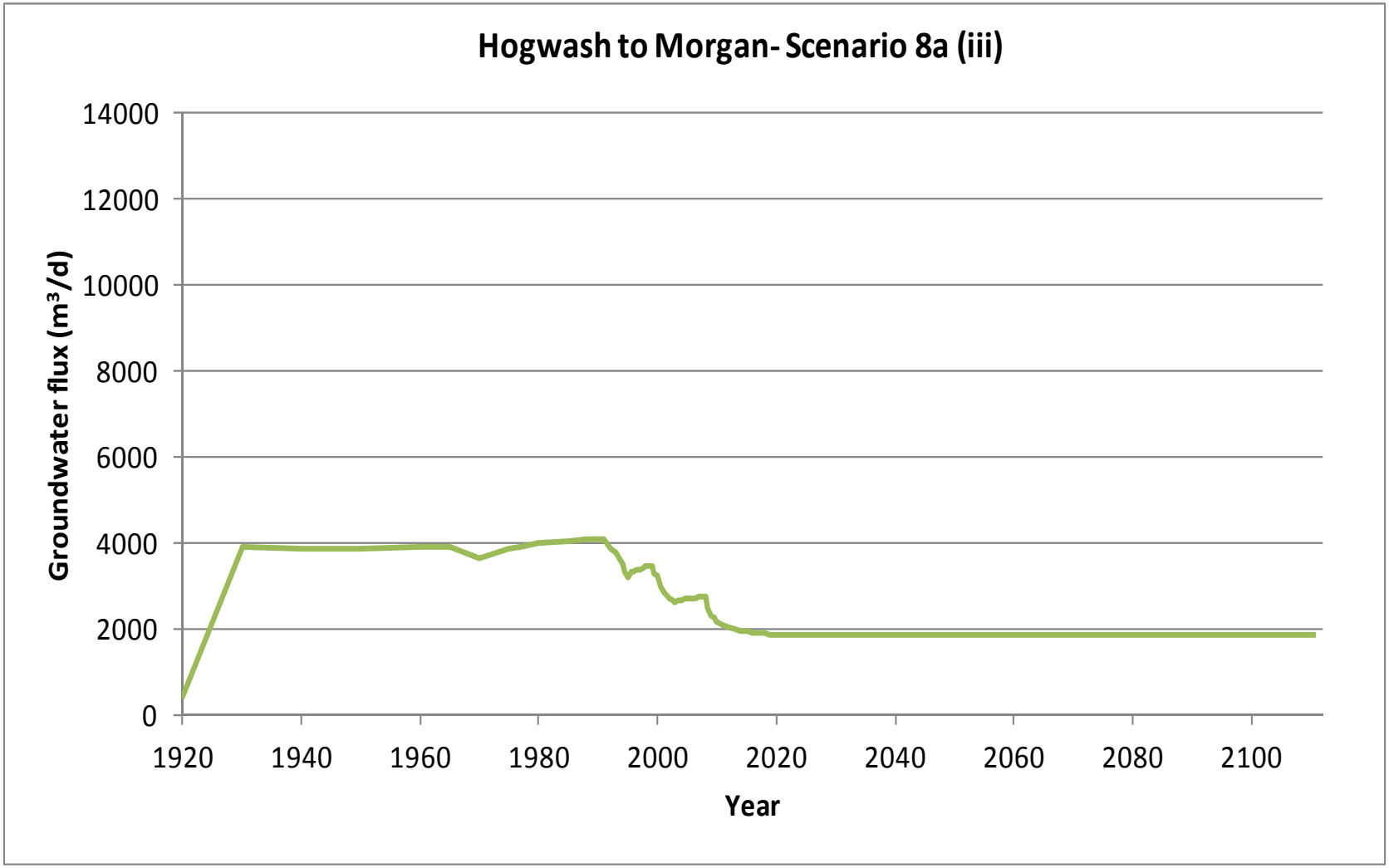
B-5a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	31	67	18	0	0	0	27	210	256	127	70	113	132	131	103	77	128	12	4	11	7	105	74	52	35	0	8	230	35	31	51	2143
40360	40544	2010.5	2011	30	67	18	0	0	0	27	204	248	124	69	111	129	129	100	74	125	11	3	10	7	105	74	52	35	0	7	226	34	32	51	2101
40544	40909	2011	2012	30	67	18	0	0	0	26	195	235	118	68	107	126	125	96	69	119	10	3	9	7	105	74	52	35	0	7	222	33	33	51	2041
40909	41275	2012	2013	30	67	18	0	0	0	25	188	225	114	67	105	123	123	93	65	116	9	3	8	7	105	74	52	36	0	7	219	33	35	52	1996
41275	41640	2013	2014	30	67	18	0	0	0	24	182	217	111	66	103	122	123	92	63	113	9	3	8	7	105	74	52	37	0	7	217	33	36	52	1968
41640	42005	2014	2015	30	67	18	0	0	0	23	177	211	109	65	102	121	122	90	61	111	9	2	8	7	105	74	52	37	0	7	215	33	37	53	1946
42005	42370	2015	2016	30	67	18	0	0	0	23	173	206	107	65	101	120	121	89	59	110	8	2	8	7	105	74	52	38	0	6	215	32	38	53	1927
42370	42736	2016	2017	30	67	18	0	0	0	22	170	202	105	64	100	119	120	88	58	108	8	2	8	7	105	74	53	38	0	6	214	32	39	53	1913
42736	43101	2017	2018	30	67	18	0	0	0	22	168	199	104	64	99	118	120	87	57	107	8	2	8	7	105	74	53	39	0	6	213	32	40	54	1902
43101	43466	2018	2019	30	67	18	0	0	0	21	166	197	103	64	99	118	119	86	56	107	8	2	8	7	105	74	53	39	0	6	213	33	40	54	1894
43466	43831	2019	2020	30	67	18	0	0	0	21	164	195	103	64	98	117	119	85	55	106	8	2	7	7	105	74	53	40	0	6	213	33	41	54	1887
43831	44197	2020	2021	30	67	18	0	0	0	21	163	194	102	64	98	117	118	85	55	106	8	2	7	7	105	74	54	40	0	6	212	33	42	54	1882
44197	44562	2021	2022	30	67	18	0	0	0	20	162	192	102	63	98	117	118	84	54	105	8	2	7	7	105	74	54	41	0	6	212	33	42	54	1878
44562	44927	2022	2023	30	67	18	0	0	0	20	161	191	101	63	98	117	118	84	54	105	8	2	7	7	105	75	54	41	0	6	212	33	42	55	1875
44927	45292	2023	2024	30	67	18	0	0	0	20	160	191	101	63	97	116	118	84	54	105	8	2	7	7	105	75	54	42	0	6	212	33	43	55	1873
45292	45658	2024	2025	30	67	18	0	0	0	20	160	190	101	63	97	116	118	84	54	105	8	2	7	7	105	75	55	42	0	6	212	33	43	55	1871
45658	46023	2025	2026	30	67	18	0	0	0	20	159	189	100	63	97	116	117	84	53	105	8	2	7	7	105	75	55	42	0	6	212	33	43	55	1870
46023	46388	2026	2027	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	104	8	2	7	7	105	75	55	43	0	6	211	33	44	55	1869
46388	46753	2027	2028	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	104	8	2	7	7	105	75	55	43	0	6	211	33	44	55	1869
46753	47119	2028	2029	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	105	75	56	43	0	6	211	33	44	55	1869
47119	47484	2029	2030	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	75	56	44	0	6	211	33	44	55	1869
47484	47849	2030	2031	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	56	44	0	6	211	33	45	55	1869
47849	48214	2031	2032	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	56	44	0	6	211	33	45	55	1869
48214	48580	2032	2033	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	56	44	0	6	211	33	45	55	1869
48580	48945	2033	2034	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1869
48945	49310	2034	2035	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1870
49310	49675	2035	2036	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1870
49675	50041	2036	2037	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1871
50041	50406	2037	2038	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	45	0	6	211	33	45	55	1871
50406	50771	2038	2039	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	57	46	0	6	211	33	46	55	1871
50771	51136	2039	2040	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	76	58	46	0	6	211	33	46	55	1872
51136	51502	2040	2041	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	55	1872
51502	51867	2041	2042	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	55	1873
51867	52232	2042	2043	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	55	1873
52232	52597	2043	2044	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	46	0	6	211	33	46	55	1874
52597	52963	2044	2045	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	106	77	58	47	0	6	211	33	46	55	1874
52963	53328	2045	2046	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	107	77	58	47	0	6	211	33	46	55	1874
53328	53693	2046	2047	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	7	107	77	58	47	0	6	211	33	46	55	1875
53693	54058	2047	2048	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1875
54058	54424	2048	2049	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1876
54424	54789	2049	2050	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1876
54789	55154	2050	2051	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1877
55154	55519	2051	2052	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1877
55519	55885	2052	2053	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1877
55885	56250	2053	2054	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	77	59	47	0	6	211	33	46	55	1878
56250	56615	2054	2055	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	55	1878
56615	56980	2055	2056	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	55	1878
56980	57346	2056	2057	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1879
57346	57711	2057	2058	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1879
57711	58076	2058	2059	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	59	48	0	6	211	33	47	56	1879
58076	58441	2059	2060	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1880

B-5a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1880
58807	59172	2061	2062	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1880
59172	59537	2062	2063	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1881
59537	59902	2063	2064	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1881
59902	60268	2064	2065	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	107	78	60	48	0	6	211	33	47	56	1881
60268	60633	2065	2066	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1882
60633	60998	2066	2067	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1882
60998	61363	2067	2068	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1882
61363	61729	2068	2069	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1882
61729	62094	2069	2070	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1883
62094	62459	2070	2071	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1883
62459	62824	2071	2072	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1883
62824	63190	2072	2073	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	48	0	6	211	33	47	56	1884
63190	63555	2073	2074	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	78	60	49	0	6	211	33	47	56	1884
63555	63920	2074	2075	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	211	33	47	56	1884
63920	64285	2075	2076	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	211	33	47	56	1884
64285	64651	2076	2077	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	211	33	47	56	1885
64651	65016	2077	2078	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	211	33	47	56	1885
65016	65381	2078	2079	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	60	49	0	6	211	33	47	56	1885
65381	65746	2079	2080	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	33	47	56	1885
65746	66112	2080	2081	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	33	47	56	1885
66112	66477	2081	2082	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1886
66477	66842	2082	2083	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1886
66842	67207	2083	2084	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1886
67207	67573	2084	2085	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1886
67573	67938	2085	2086	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1887
67938	68303	2086	2087	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1887
68303	68668	2087	2088	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1887
68668	69034	2088	2089	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1887
69034	69399	2089	2090	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1887
69399	69764	2090	2091	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1888
69764	70129	2091	2092	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1888
70129	70495	2092	2093	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1888
70495	70860	2093	2094	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1888
70860	71225	2094	2095	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1888
71225	71590	2095	2096	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	108	79	61	49	0	6	211	34	47	56	1888
71590	71956	2096	2097	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1889
71956	72321	2097	2098	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1889
72321	72686	2098	2099	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1889
72686	73051	2099	2100	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1889
73051	73416	2100	2101	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1889
73416	73781	2101	2102	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1889
73781	74146	2102	2103	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1890
74146	74511	2103	2104	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	211	34	47	56	1890
74511	74877	2104	2105	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1890
74877	75242	2105	2106	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1890
75242	75607	2106	2107	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1890
75607	75972	2107	2108	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1890
75972	76338	2108	2109	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1890
76338	76703	2109	2110	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1891
76703	77068	2110	2111	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	53	104	8	2	7	8	109	79	61	49	0	6	212	34	47	56	1891

B-5a (S8a(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iii)) (Part 3/3)



B-5a (S8a(iii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan(Scenario 8a(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35796	35977	1998	1998.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35977	36161	1998.5	1999	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
36161	36342	1999	1999.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
36342	36526	1999.5	2000	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	20
36526	36708	2000	2000.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36708	36892	2000.5	2001	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36892	37073	2001	2001.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37073	37257	2001.5	2002	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37257	37438	2002	2002.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37438	37622	2002.5	2003	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37622	37803	2003	2003.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37987	38169	2004	2004.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38169	38353	2004.5	2005	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38353	38534	2005	2005.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38534	38718	2005.5	2006	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38718	38899	2006	2006.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38899	39083	2006.5	2007	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39083	39264	2007	2007.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39264	39448	2007.5	2008	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39448	39630	2008	2008.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	17
39630	39814	2008.5	2009	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	16
39814	39995	2009	2009.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
39995	40179	2009.5	2010	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

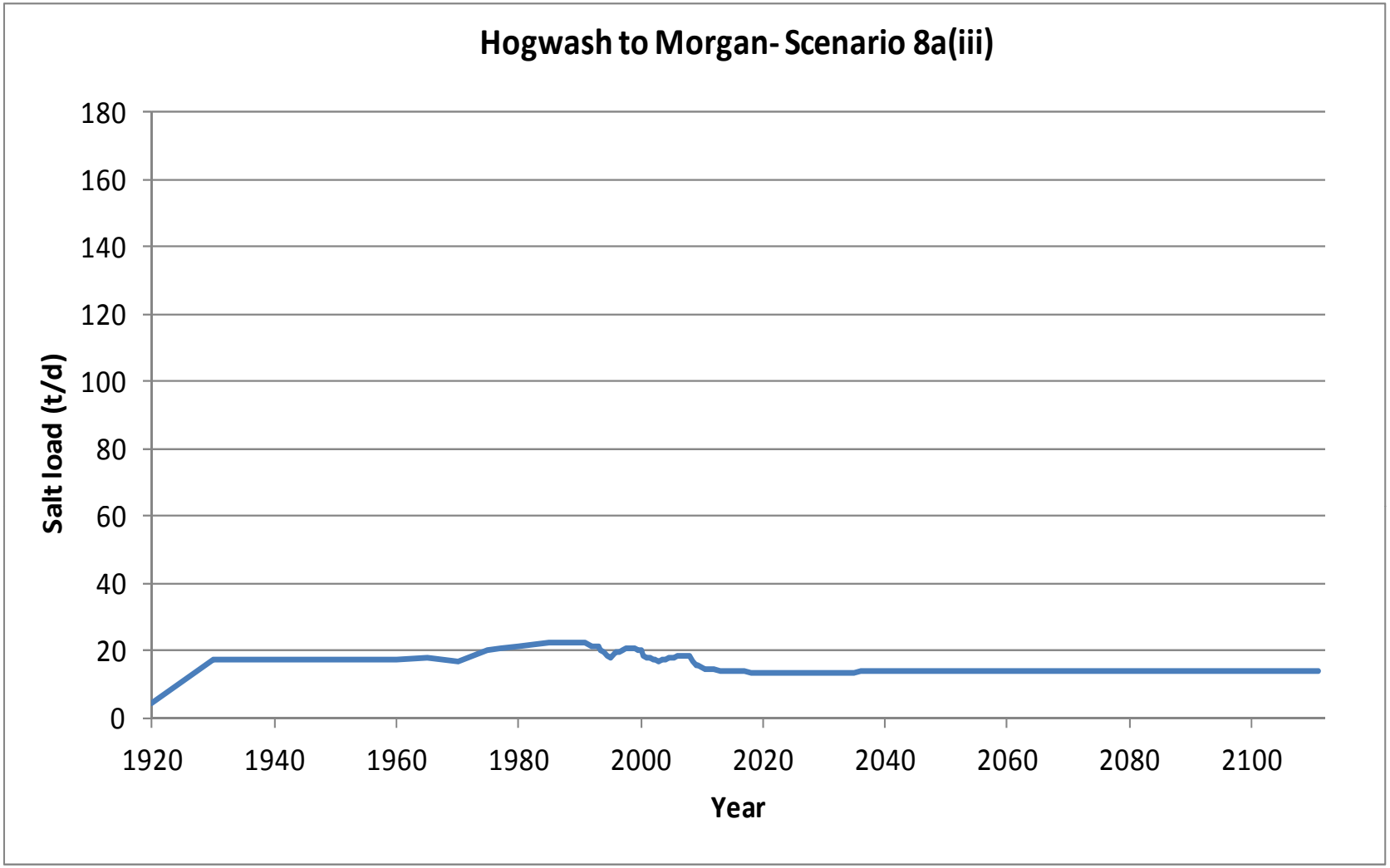
B-5b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
40360	40544	2010.5	2011	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
40544	40909	2011	2012	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
40909	41275	2012	2013	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
41275	41640	2013	2014	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
41640	42005	2014	2015	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	14
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(iii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iii)) (Part 3/3)



B-5b (S8a(iii)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	1	33	376	528	274	114	236	278	235	170	175	138	0	1	3	7	103	72	49	30	0	2	205	30	23	124	3324
34881	35065	1995.5	1996	31	68	18	0	1	1	35	379	525	270	113	232	274	231	165	176	162	1	2	9	7	103	72	49	30	0	5	225	33	23	121	3360
35065	35247	1996	1996.5	31	68	18	0	1	1	35	377	520	267	112	230	272	228	161	176	174	3	4	14	7	104	72	50	30	0	6	233	34	23	119	3368
35247	35431	1996.5	1997	31	68	18	0	1	1	35	375	514	264	111	228	270	226	159	175	180	4	4	17	7	104	73	50	30	0	7	239	34	23	117	3365
35431	35612	1997	1997.5	31	68	18	0	1	1	36	390	513	263	110	227	270	229	158	182	186	6	5	24	7	104	73	50	30	0	8	256	37	23	117	3423
35612	35796	1997.5	1998	31	68	18	0	1	1	37	391	512	263	110	228	270	230	158	184	190	7	6	25	7	105	73	50	30	0	9	272	40	24	116	3455
35796	35977	1998	1998.5	31	68	18	0	1	1	37	390	511	263	110	228	270	230	158	184	194	8	7	27	7	105	73	51	30	0	10	281	42	24	116	3472
35977	36161	1998.5	1999	31	68	18	0	1	1	37	389	509	262	110	227	270	229	158	184	196	9	7	28	7	105	73	51	31	0	10	286	43	24	116	3481
36161	36342	1999	1999.5	31	68	18	0	1	0	34	371	494	250	107	213	248	212	150	165	177	9	6	22	7	105	73	51	31	0	10	286	43	24	111	3316
36342	36526	1999.5	2000	31	68	18	0	1	0	33	362	477	240	103	205	239	204	143	159	174	10	6	23	7	105	73	51	31	0	12	303	45	24	106	3254
36526	36708	2000	2000.5	31	68	18	0	0	0	25	333	450	222	98	186	212	182	131	136	153	11	5	18	7	105	73	51	30	0	11	279	43	23	97	2996
36708	36892	2000.5	2001	31	67	18	0	0	0	23	317	424	207	93	174	199	171	121	127	147	10	5	18	7	105	73	51	30	0	10	271	41	22	88	2851
36892	37073	2001	2001.5	31	67	18	0	0	0	38	320	404	196	90	167	192	164	113	120	147	10	5	17	7	105	73	51	30	0	10	273	41	21	82	2795
37073	37257	2001.5	2002	31	67	18	0	0	0	40	314	388	188	88	162	187	159	107	115	146	10	5	17	7	105	73	51	30	0	10	273	41	20	77	2729
37257	37438	2002	2002.5	30	67	18	0	0	0	40	306	375	182	86	158	183	155	102	110	144	10	5	17	7	105	73	51	30	0	10	273	40	19	72	2672
37438	37622	2002.5	2003	30	67	18	0	0	0	40	299	363	177	85	155	180	152	98	106	143	10	5	17	7	105	73	51	30	0	10	272	40	18	69	2621
37622	37803	2003	2003.5	30	67	18	0	0	0	49	295	354	173	83	153	179	163	113	111	155	11	5	18	7	105	73	51	30	0	11	279	40	17	66	2657
37803	37987	2003.5	2004	30	67	18	0	0	0	51	291	347	170	83	151	178	167	118	114	163	12	6	19	7	105	74	51	30	0	12	285	41	17	64	2671
37987	38169	2004	2004.5	30	67	18	0	0	0	51	288	341	169	82	150	178	176	139	117	167	14	6	20	7	105	74	51	30	0	12	289	41	17	62	2704
38169	38353	2004.5	2005	30	67	18	0	1	1	51	285	337	167	82	150	178	178	144	120	171	15	7	21	7	105	74	51	30	0	13	292	41	16	61	2714
38353	38534	2005	2005.5	31	67	18	0	1	1	51	282	334	166	82	150	178	179	146	122	174	17	8	22	7	105	74	51	31	0	13	295	42	20	60	2729
38534	38718	2005.5	2006	31	67	18	0	1	1	51	280	332	165	82	149	178	179	147	123	177	19	9	23	7	105	74	51	31	0	13	297	43	23	61	2737
38718	38899	2006	2006.5	31	67	18	0	1	1	51	278	330	165	81	149	178	179	147	123	178	19	9	23	7	105	74	52	32	0	13	299	43	24	62	2740
38899	39083	2006.5	2007	31	68	18	0	1	1	51	277	328	164	81	148	177	179	147	123	180	20	9	24	7	105	74	52	32	0	14	302	44	25	62	2742
39083	39264	2007	2007.5	31	68	18	0	1	1	51	275	326	163	81	148	177	179	147	123	181	21	10	24	7	105	74	52	32	0	14	304	45	26	62	2744
39264	39448	2007.5	2008	31	68	18	0	1	1	50	274	324	163	81	148	177	178	146	122	183	23	10	25	7	105	74	52	32	0	14	307	45	26	63	2750
39448	39630	2008	2008.5	31	68	18	0	1	0	34	244	309	151	77	134	154	153	125	99	156	21	8	19	7	105	74	52	33	0	12	269	42	27	59	2480
39630	39814	2008.5	2009	31	67	18	0	0	0	30	232	291	140	74	125	144	143	115	90	145	18	7	16	7	105	74	52	33	0	10	251	39	27	55	2338
39814	39995	2009	2009.5	31	67	18	0	0	0	29	223	277	136	72	120	138	137	111	86	138	15	5	14	7	105	74	52	34	0	9	239	35	28	41	2242
39995	40179	2009.5	2010	31	67	18	0	0	0	28	216	266	131	71	116	134	134	107	81	132	14	4	12	7	105	74	52	34	0	8	228	30	27	32	2159

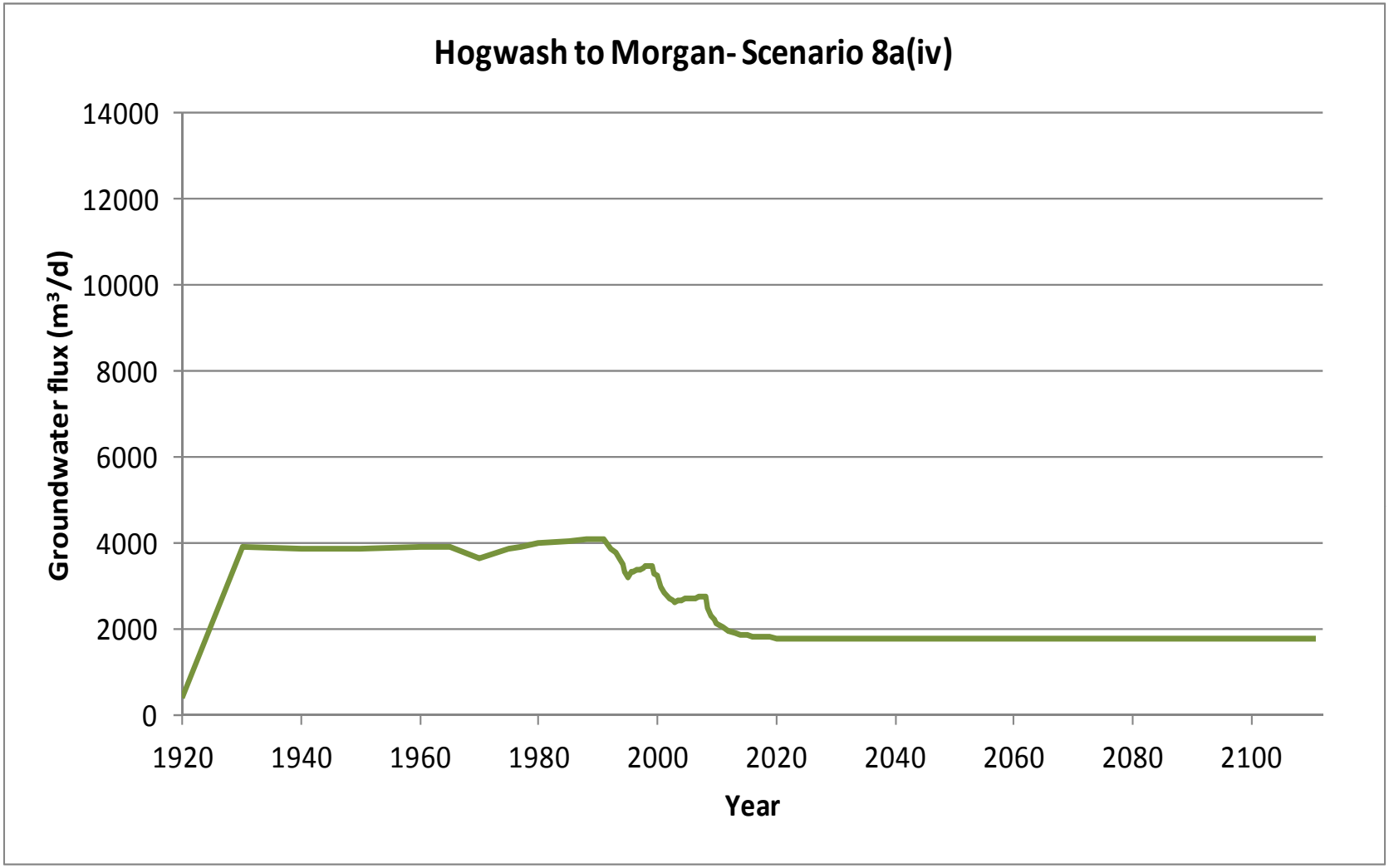
B-5a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	31	67	18	0	0	0	27	210	256	127	70	113	132	131	103	77	128	12	4	11	7	105	74	52	34	0	8	220	27	26	27	2096
40360	40544	2010.5	2011	30	67	18	0	0	0	27	204	248	124	69	111	129	129	100	74	124	11	3	10	7	105	74	52	35	0	7	214	25	25	24	2047
40544	40909	2011	2012	30	67	18	0	0	0	26	195	235	118	68	107	126	125	96	69	119	10	3	9	7	105	74	52	35	0	7	207	23	26	21	1977
40909	41275	2012	2013	30	67	18	0	0	0	25	188	225	114	67	105	123	123	93	65	115	9	3	8	7	105	74	52	36	0	6	203	22	26	20	1928
41275	41640	2013	2014	30	67	18	0	0	0	24	182	217	111	66	103	122	123	92	63	112	9	2	8	7	105	74	52	36	0	6	200	21	27	19	1896
41640	42005	2014	2015	30	67	18	0	0	0	23	177	211	109	65	102	121	122	90	61	110	8	2	8	7	105	74	52	36	0	6	198	21	28	19	1870
42005	42370	2015	2016	30	67	18	0	0	0	23	173	206	107	65	101	120	121	89	59	108	8	2	7	7	105	74	52	37	0	6	196	21	28	19	1850
42370	42736	2016	2017	30	67	18	0	0	0	22	170	202	105	64	100	119	120	88	58	107	8	2	7	7	105	74	53	37	0	6	195	21	29	19	1833
42736	43101	2017	2018	30	67	18	0	0	0	22	168	199	104	64	99	118	120	87	57	106	8	2	7	7	105	74	53	38	0	6	194	20	30	19	1821
43101	43466	2018	2019	30	67	18	0	0	0	21	166	197	103	64	99	118	119	86	56	105	8	2	7	7	105	74	53	38	0	6	193	20	30	19	1811
43466	43831	2019	2020	30	67	18	0	0	0	21	164	195	103	64	98	117	119	85	55	104	7	2	7	7	105	74	53	39	0	6	192	20	31	19	1803
43831	44197	2020	2021	30	67	18	0	0	0	21	163	194	102	64	98	117	118	85	55	104	7	2	7	7	105	74	53	39	0	6	192	20	31	19	1797
44197	44562	2021	2022	30	67	18	0	0	0	20	162	192	102	63	98	117	118	84	54	103	7	2	7	7	105	74	54	39	0	6	191	20	31	19	1792
44562	44927	2022	2023	30	67	18	0	0	0	20	161	191	101	63	98	117	118	84	54	103	7	2	7	7	105	74	54	40	0	6	191	20	32	19	1789
44927	45292	2023	2024	30	67	18	0	0	0	20	160	191	101	63	97	116	118	84	54	103	7	2	7	7	105	75	54	40	0	6	190	20	32	19	1786
45292	45658	2024	2025	30	67	18	0	0	0	20	160	190	101	63	97	116	117	84	53	102	7	2	7	7	105	75	54	41	0	6	190	20	32	19	1784
45658	46023	2025	2026	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	102	7	2	7	7	105	75	55	41	0	6	190	20	32	19	1782
46023	46388	2026	2027	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	102	7	2	7	7	105	75	55	41	0	6	190	20	33	19	1781
46388	46753	2027	2028	30	67	18	0	0	0	20	159	189	100	63	97	116	117	83	53	102	7	2	7	7	105	75	55	42	0	6	190	20	33	19	1781
46753	47119	2028	2029	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	102	7	2	7	7	105	75	55	42	0	6	189	20	33	19	1780
47119	47484	2029	2030	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	102	7	2	7	7	105	75	55	42	0	6	189	20	33	19	1780
47484	47849	2030	2031	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	102	7	2	7	7	106	75	56	42	0	6	189	20	33	19	1780
47849	48214	2031	2032	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	102	7	2	7	7	106	75	56	43	0	6	189	20	33	19	1779
48214	48580	2032	2033	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	101	7	2	7	7	106	76	56	43	0	6	189	20	34	20	1780
48580	48945	2033	2034	30	67	18	0	0	0	19	158	188	100	63	97	116	117	83	53	101	7	2	7	7	106	76	56	43	0	6	189	20	34	20	1780
48945	49310	2034	2035	30	67	18	0	0	0	19	158	187	100	63	97	116	117	83	53	101	7	2	7	7	106	76	56	43	0	6	189	20	34	20	1780
49310	49675	2035	2036	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	56	43	0	6	189	20	34	20	1780
49675	50041	2036	2037	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	189	20	34	20	1780
50041	50406	2037	2038	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	189	20	34	20	1781
50406	50771	2038	2039	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	188	20	34	20	1781
50771	51136	2039	2040	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	188	20	34	20	1781
51136	51502	2040	2041	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	188	20	34	20	1782
51502	51867	2041	2042	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	188	20	34	20	1782
51867	52232	2042	2043	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	44	0	6	188	20	34	20	1782
52232	52597	2043	2044	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	76	57	45	0	6	188	20	35	20	1783
52597	52963	2044	2045	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	77	57	45	0	6	188	20	35	20	1783
52963	53328	2045	2046	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	77	58	45	0	6	188	20	35	20	1783
53328	53693	2046	2047	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	77	58	45	0	6	188	20	35	20	1784
53693	54058	2047	2048	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	106	77	58	45	0	6	188	20	35	20	1784
54058	54424	2048	2049	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	107	77	58	45	0	6	188	20	35	20	1784
54424	54789	2049	2050	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	107	77	58	45	0	6	188	20	35	20	1785
54789	55154	2050	2051	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	7	107	77	58	45	0	6	188	20	35	20	1785
55154	55519	2051	2052	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	58	45	0	6	188	20	35	20	1785
55519	55885	2052	2053	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	58	45	0	6	188	20	35	20	1786
55885	56250	2053	2054	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	58	45	0	6	188	20	35	20	1786
56250	56615	2054	2055	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	58	46	0	6	188	20	35	20	1786
56615	56980	2055	2056	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	58	46	0	6	188	20	35	20	1787
56980	57346	2056	2057	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	58	46	0	6	188	20	35	20	1787
57346	57711	2057	2058	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	59	46	0	6	188	20	35	20	1787
57711	58076	2058	2059	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	59	46	0	6	188	20	35	20	1787
58076	58441	2059	2060	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	59	46	0	6	188	20	35	20	1788

B-5a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	77	59	46	0	6	188	20	35	20	1788
58807	59172	2061	2062	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1788
59172	59537	2062	2063	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1788
59537	59902	2063	2064	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1789
59902	60268	2064	2065	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1789
60268	60633	2065	2066	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1789
60633	60998	2066	2067	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1789
60998	61363	2067	2068	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1790
61363	61729	2068	2069	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1790
61729	62094	2069	2070	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1790
62094	62459	2070	2071	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1790
62459	62824	2071	2072	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1791
62824	63190	2072	2073	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	107	78	59	46	0	6	188	20	35	20	1791
63190	63555	2073	2074	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	59	46	0	6	188	20	35	20	1791
63555	63920	2074	2075	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	59	46	0	6	188	20	35	20	1791
63920	64285	2075	2076	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	59	47	0	6	188	20	35	20	1791
64285	64651	2076	2077	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	59	47	0	6	188	20	35	20	1792
64651	65016	2077	2078	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	59	47	0	6	188	20	35	20	1792
65016	65381	2078	2079	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1792
65381	65746	2079	2080	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1792
65746	66112	2080	2081	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1792
66112	66477	2081	2082	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1793
66477	66842	2082	2083	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1793
66842	67207	2083	2084	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1793
67207	67573	2084	2085	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1793
67573	67938	2085	2086	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	188	20	35	20	1793
67938	68303	2086	2087	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	189	20	36	20	1793
68303	68668	2087	2088	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	189	20	36	20	1794
68668	69034	2088	2089	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	189	20	36	20	1794
69034	69399	2089	2090	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	78	60	47	0	6	189	20	36	20	1794
69399	69764	2090	2091	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1794
69764	70129	2091	2092	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1794
70129	70495	2092	2093	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1794
70495	70860	2093	2094	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1794
70860	71225	2094	2095	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
71225	71590	2095	2096	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
71590	71956	2096	2097	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
71956	72321	2097	2098	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
72321	72686	2098	2099	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
72686	73051	2099	2100	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
73051	73416	2100	2101	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1795
73416	73781	2101	2102	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
73781	74146	2102	2103	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
74146	74511	2103	2104	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
74511	74877	2104	2105	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
74877	75242	2105	2106	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
75242	75607	2106	2107	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
75607	75972	2107	2108	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
75972	76338	2108	2109	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1796
76338	76703	2109	2110	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1797
76703	77068	2110	2111	30	67	18	0	0	0	19	157	187	100	63	97	116	117	83	52	101	7	2	7	8	108	79	60	47	0	6	189	20	36	20	1797

B-5a (S8a(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iv)) (Part 3/3)



B-5a (S8(iv)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	19
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35796	35977	1998	1998.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
35977	36161	1998.5	1999	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	2	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
36161	36342	1999	1999.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	2	0	0	1	20
36342	36526	1999.5	2000	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	20
36526	36708	2000	2000.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36708	36892	2000.5	2001	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
36892	37073	2001	2001.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37073	37257	2001.5	2002	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37257	37438	2002	2002.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37438	37622	2002.5	2003	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37622	37803	2003	2003.5	0	1	0	0	0	0	0	3	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	17
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
37987	38169	2004	2004.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38169	38353	2004.5	2005	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	18
38353	38534	2005	2005.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38534	38718	2005.5	2006	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38718	38899	2006	2006.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
38899	39083	2006.5	2007	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39083	39264	2007	2007.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39264	39448	2007.5	2008	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	2	0	0	0	0	1	1	1	1	0	0	3	0	0	1	18
39448	39630	2008	2008.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	17
39630	39814	2008.5	2009	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	16
39814	39995	2009	2009.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
39995	40179	2009.5	2010	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	15
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

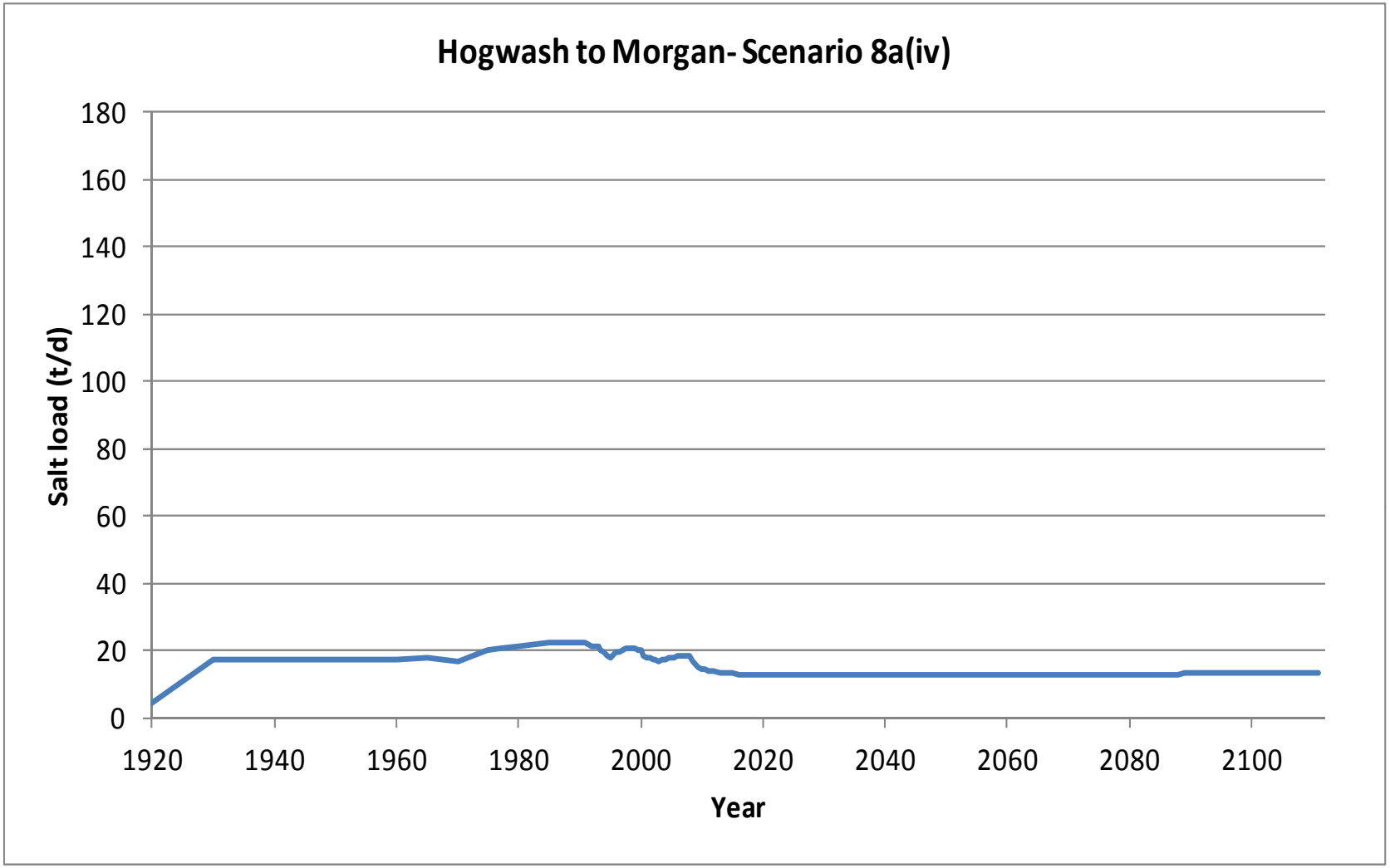
B-5b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
40360	40544	2010.5	2011	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
40544	40909	2011	2012	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	14
40909	41275	2012	2013	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
41275	41640	2013	2014	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
41640	42005	2014	2015	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	0	0	2	0	0	0	13
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	2	1	1	0	0	2	0	0	0	13
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8a(iv)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8a(iv)) (Part 3/3)



B-5b (S8a(iv)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8a(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	0	28	338	513	270	113	235	277	235	170	168	77	0	0	0	7	103	72	49	30	0	0	143	25	23	124	3114
34881	35065	1995.5	1996	31	67	18	0	1	0	27	328	496	262	111	229	272	230	163	162	75	0	0	0	7	103	72	49	30	0	0	141	25	22	121	3041
35065	35247	1996	1996.5	31	67	18	0	1	0	26	319	483	256	109	226	268	226	158	157	73	0	0	0	7	103	72	49	30	0	0	140	24	22	118	2982
35247	35431	1996.5	1997	31	67	18	0	1	0	25	312	471	251	108	223	265	223	154	153	71	0	0	0	7	103	72	49	30	0	0	139	24	22	117	2933
35431	35612	1997	1997.5	31	67	18	0	0	0	25	305	461	247	107	220	263	220	150	149	69	0	0	0	7	103	72	49	30	0	0	138	23	22	116	2891
35612	35796	1997.5	1998	31	67	18	0	0	0	24	299	453	244	106	218	260	218	147	146	68	0	0	0	7	103	72	49	30	0	0	138	23	22	115	2856
35796	35977	1998	1998.5	31	67	18	0	0	0	23	294	446	241	105	216	259	216	144	144	67	0	0	0	7	103	72	49	30	0	0	137	23	21	115	2825
35977	36161	1998.5	1999	31	67	18	0	0	0	23	289	439	238	104	215	257	214	142	141	65	0	0	0	7	103	72	49	30	0	0	137	23	21	114	2799
36161	36342	1999	1999.5	31	67	18	0	0	0	17	275	424	226	101	200	234	196	133	123	56	0	0	0	7	103	72	49	30	0	0	123	21	21	109	2634
36342	36526	1999.5	2000	31	67	18	0	0	0	16	266	407	215	97	191	225	188	126	117	54	0	0	0	7	103	72	49	30	0	0	119	20	21	104	2541
36526	36708	2000	2000.5	30	67	18	0	0	0	10	248	383	197	92	173	198	167	113	96	44	0	0	0	7	103	72	49	30	0	0	104	18	20	94	2332
36708	36892	2000.5	2001	30	67	18	0	0	0	8	235	359	183	87	161	186	156	104	89	41	0	0	0	7	103	72	49	30	0	0	100	17	19	85	2205
36892	37073	2001	2001.5	30	67	18	0	0	0	7	223	339	173	84	154	179	150	97	83	39	0	0	0	7	103	72	49	29	0	0	97	16	18	79	2113
37073	37257	2001.5	2002	30	67	18	0	0	0	6	213	323	165	82	149	174	144	91	77	37	0	0	0	7	103	72	49	29	0	0	95	15	17	75	2039
37257	37438	2002	2002.5	30	67	18	0	0	0	5	204	309	159	80	145	170	140	86	72	36	0	0	0	7	103	72	49	29	0	0	94	15	17	72	1978
37438	37622	2002.5	2003	30	67	18	0	0	0	5	196	297	154	79	142	167	137	82	68	34	0	0	0	7	103	72	49	29	0	0	92	14	16	70	1926
37622	37803	2003	2003.5	30	67	18	0	0	0	4	189	287	149	78	140	164	134	78	64	32	0	0	0	7	103	72	49	29	0	0	91	14	16	68	1882
37803	37987	2003.5	2004	30	67	18	0	0	0	4	182	278	146	77	137	162	132	75	61	31	0	0	0	7	103	72	49	29	0	0	90	13	15	67	1844
37987	38169	2004	2004.5	30	67	18	0	0	0	3	176	270	142	76	135	160	130	73	58	30	0	0	0	7	103	72	49	29	0	0	89	13	15	66	1811
38169	38353	2004.5	2005	30	67	18	0	0	0	3	171	263	140	75	134	158	128	70	56	29	0	0	0	7	103	72	49	29	0	0	88	13	15	65	1781
38353	38534	2005	2005.5	30	67	18	0	0	0	3	167	257	137	74	132	157	127	68	54	28	0	0	0	7	103	72	49	29	0	0	87	13	15	64	1756
38534	38718	2005.5	2006	30	67	18	0	0	0	2	163	251	135	74	131	155	125	67	52	27	0	0	0	7	103	72	49	29	0	0	86	13	15	63	1733
38718	38899	2006	2006.5	30	67	18	0	0	0	2	159	247	133	73	130	154	124	65	50	26	0	0	0	7	103	72	49	29	0	0	85	12	14	63	1713
38899	39083	2006.5	2007	30	67	18	0	0	0	2	156	242	132	73	129	153	123	64	49	26	0	0	0	7	103	72	49	29	0	0	85	12	14	62	1696
39083	39264	2007	2007.5	30	67	18	0	0	0	2	153	239	130	73	128	152	122	62	48	25	0	0	0	7	103	72	49	29	0	0	84	12	14	62	1680
39264	39448	2007.5	2008	30	67	18	0	0	0	1	150	235	129	72	127	151	122	61	47	25	0	0	0	7	103	72	49	29	0	0	84	12	14	61	1666
39448	39630	2008	2008.5	30	67	18	0	0	0	0	140	223	118	69	114	129	104	53	30	18	0	0	0	7	103	72	49	29	0	0	71	11	14	56	1524
39630	39814	2008.5	2009	30	66	18	0	0	0	0	133	208	108	66	105	121	97	48	27	17	0	0	0	7	103	72	49	29	0	0	68	10	14	51	1445
39814	39995	2009	2009.5	30	66	18	0	0	0	0	126	196	101	63	101	116	92	43	24	16	0	0	0	7	103	72	49	29	0	0	66	10	14	48	1390
39995	40179	2009.5	2010	30	66	18	0	0	0	0	121	186	96	62	97	112	89	40	21	15	0	0	0	7	103	72	49	29	0	0	64	9	13	45	1346

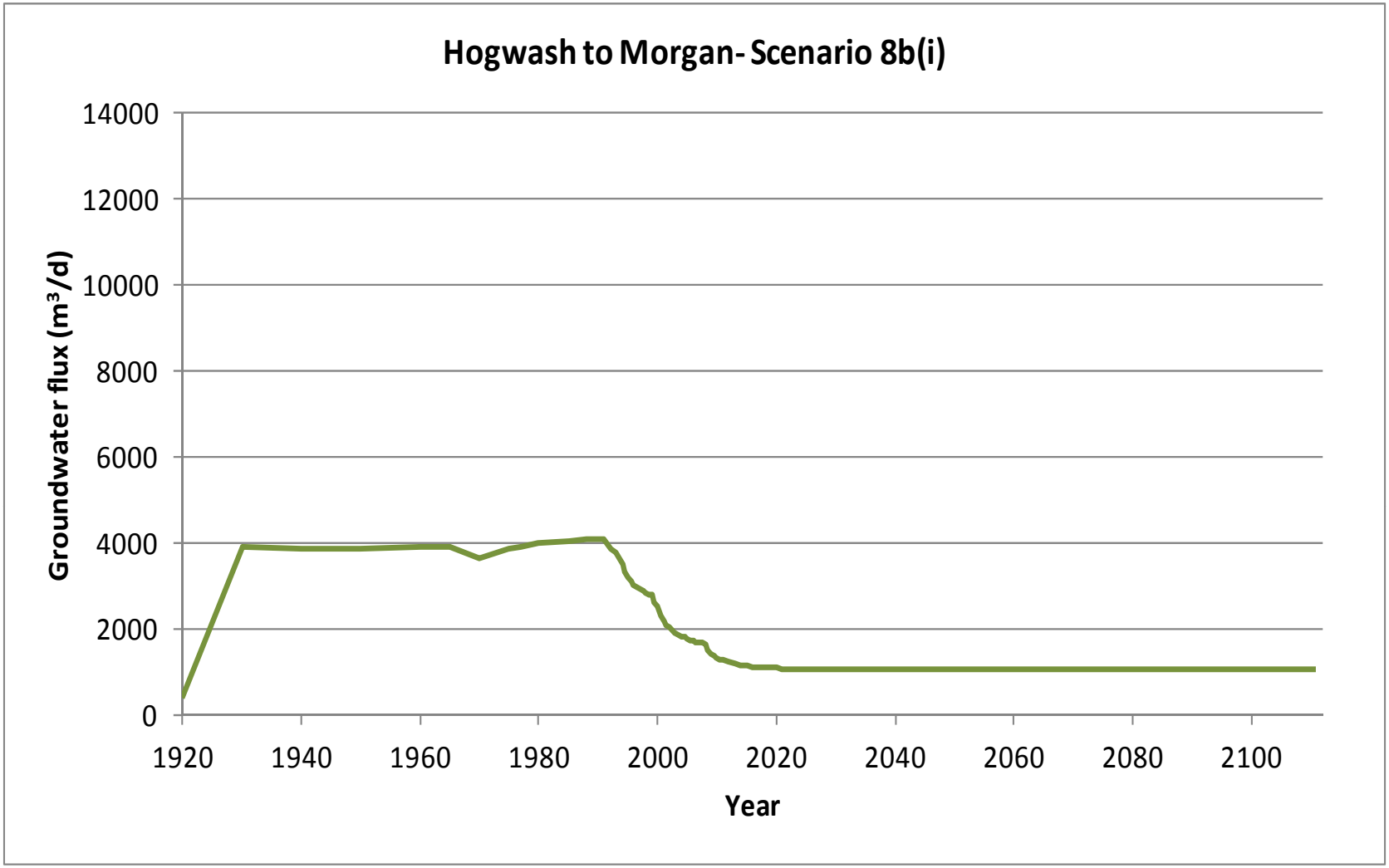
B-5a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	30	66	18	0	0	0	0	116	178	93	61	95	110	87	37	19	14	0	0	0	7	103	72	49	29	0	0	63	9	13	43	1311
40360	40544	2010.5	2011	30	66	18	0	0	0	0	111	170	89	60	93	108	85	35	17	13	0	0	0	7	103	72	49	29	0	0	62	9	13	42	1281
40544	40909	2011	2012	30	66	18	0	0	0	0	104	159	85	59	90	105	82	32	14	12	0	0	0	7	103	72	49	28	0	0	61	8	13	40	1235
40909	41275	2012	2013	30	66	18	0	0	0	0	98	150	81	58	88	103	79	29	12	11	0	0	0	7	103	72	49	28	0	0	59	8	13	39	1200
41275	41640	2013	2014	30	66	18	0	0	0	0	93	143	78	57	86	101	78	27	10	11	0	0	0	7	103	72	49	28	0	0	58	7	13	38	1174
41640	42005	2014	2015	30	66	18	0	0	0	0	89	138	76	57	85	100	76	26	9	10	0	0	0	7	103	72	49	28	0	0	57	7	13	38	1153
42005	42370	2015	2016	30	66	18	0	0	0	0	86	134	75	56	84	99	75	25	8	9	0	0	0	7	103	72	49	28	0	0	57	7	13	37	1137
42370	42736	2016	2017	30	66	18	0	0	0	0	84	131	73	56	83	98	74	24	7	9	0	0	0	7	103	72	49	28	0	0	56	7	12	37	1124
42736	43101	2017	2018	30	66	18	0	0	0	0	82	128	72	56	83	97	74	23	6	9	0	0	0	7	103	72	49	28	0	0	56	7	12	37	1114
43101	43466	2018	2019	30	66	18	0	0	0	0	81	126	72	55	82	97	73	22	6	9	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1106
43466	43831	2019	2020	30	66	18	0	0	0	0	80	124	71	55	82	96	73	22	6	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1099
43831	44197	2020	2021	30	66	18	0	0	0	0	79	123	70	55	81	96	72	22	5	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1094
44197	44562	2021	2022	30	66	18	0	0	0	0	78	122	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1090
44562	44927	2022	2023	30	66	18	0	0	0	0	77	121	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1086
44927	45292	2023	2024	30	66	18	0	0	0	0	77	120	69	55	81	96	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1084
45292	45658	2024	2025	30	66	18	0	0	0	0	76	120	69	55	81	95	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1082
45658	46023	2025	2026	30	66	18	0	0	0	0	76	119	69	55	80	95	72	21	5	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1080
46023	46388	2026	2027	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	5	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1079
46388	46753	2027	2028	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1077
46753	47119	2028	2029	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1077
47119	47484	2029	2030	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1076
47484	47849	2030	2031	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1075
47849	48214	2031	2032	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1075
48214	48580	2032	2033	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1075
48580	48945	2033	2034	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1074
48945	49310	2034	2035	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1074
49310	49675	2035	2036	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1074
49675	50041	2036	2037	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	35	1074
50041	50406	2037	2038	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
50406	50771	2038	2039	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
50771	51136	2039	2040	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
51136	51502	2040	2041	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
51502	51867	2041	2042	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
51867	52232	2042	2043	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
52232	52597	2043	2044	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	6	12	36	1074
52597	52963	2044	2045	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
52963	53328	2045	2046	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
53328	53693	2046	2047	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
53693	54058	2047	2048	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1074
54058	54424	2048	2049	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
54424	54789	2049	2050	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
54789	55154	2050	2051	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
55154	55519	2051	2052	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
55519	55885	2052	2053	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	54	7	12	36	1075
55885	56250	2053	2054	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1075
56250	56615	2054	2055	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1075
56615	56980	2055	2056	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1075
56980	57346	2056	2057	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
57346	57711	2057	2058	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
57711	58076	2058	2059	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
58076	58441	2059	2060	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076

B-5a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
58807	59172	2061	2062	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
59172	59537	2062	2063	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
59537	59902	2063	2064	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1076
59902	60268	2064	2065	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	28	0	0	55	7	12	36	1077
60268	60633	2065	2066	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
60633	60998	2066	2067	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
60998	61363	2067	2068	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
61363	61729	2068	2069	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
61729	62094	2069	2070	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
62094	62459	2070	2071	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
62459	62824	2071	2072	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1077
62824	63190	2072	2073	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
63190	63555	2073	2074	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
63555	63920	2074	2075	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
63920	64285	2075	2076	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
64285	64651	2076	2077	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	55	7	12	37	1078
64651	65016	2077	2078	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
65016	65381	2078	2079	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
65381	65746	2079	2080	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
65746	66112	2080	2081	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1078
66112	66477	2081	2082	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
66477	66842	2082	2083	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
66842	67207	2083	2084	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
67207	67573	2084	2085	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
67573	67938	2085	2086	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
67938	68303	2086	2087	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
68303	68668	2087	2088	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
68668	69034	2088	2089	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
69034	69399	2089	2090	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
69399	69764	2090	2091	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
69764	70129	2091	2092	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1079
70129	70495	2092	2093	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
70495	70860	2093	2094	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
70860	71225	2094	2095	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	49	28	0	0	56	7	12	37	1080
71225	71590	2095	2096	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
71590	71956	2096	2097	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
71956	72321	2097	2098	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
72321	72686	2098	2099	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
72686	73051	2099	2100	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
73051	73416	2100	2101	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
73416	73781	2101	2102	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
73781	74146	2102	2103	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
74146	74511	2103	2104	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
74511	74877	2104	2105	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1080
74877	75242	2105	2106	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	37	1081
75242	75607	2106	2107	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
75607	75972	2107	2108	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
75972	76338	2108	2109	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
76338	76703	2109	2110	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081
76703	77068	2110	2111	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	73	50	28	0	0	56	7	12	38	1081

B-5a (S8b(i)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(i)) (Part 3/3)



B-5a (S8b(i)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35796	35977	1998	1998.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35977	36161	1998.5	1999	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
36161	36342	1999	1999.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36342	36526	1999.5	2000	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36526	36708	2000	2000.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	14
36708	36892	2000.5	2001	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
36892	37073	2001	2001.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
37073	37257	2001.5	2002	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37257	37438	2002	2002.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37438	37622	2002.5	2003	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37622	37803	2003	2003.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
37987	38169	2004	2004.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38169	38353	2004.5	2005	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38353	38534	2005	2005.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38534	38718	2005.5	2006	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38718	38899	2006	2006.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
38899	39083	2006.5	2007	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
39083	39264	2007	2007.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
39264	39448	2007.5	2008	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
39448	39630	2008	2008.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39630	39814	2008.5	2009	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39814	39995	2009	2009.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39995	40179	2009.5	2010	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

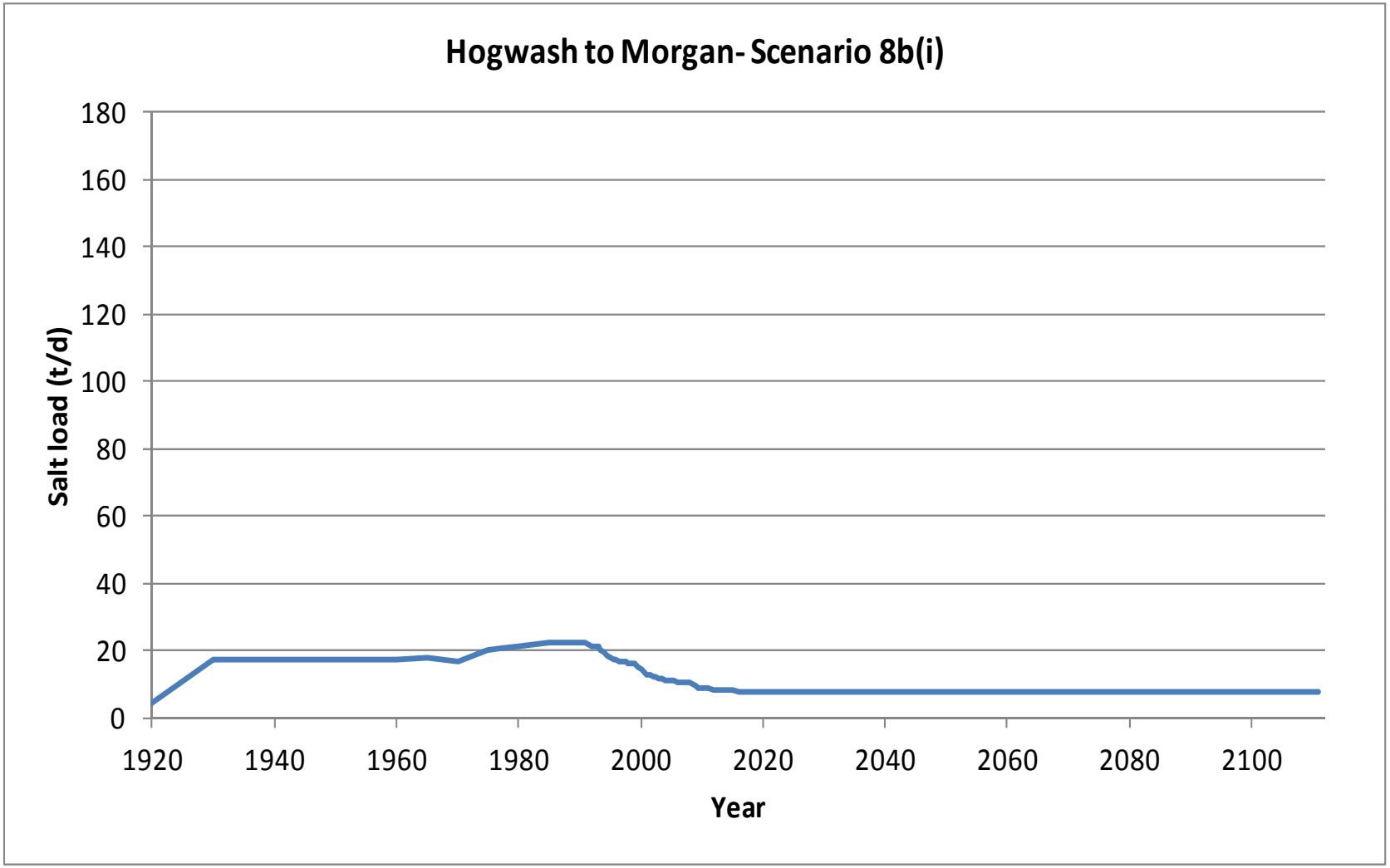
B-5b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Hogwash to Morgan (Scenario 8b(i)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
40360	40544	2010.5	2011	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
40544	40909	2011	2012	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	8
40909	41275	2012	2013	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	8
41275	41640	2013	2014	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41640	42005	2014	2015	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Hogwash to Morgan (Scenario 8b(i)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8b(i)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in in Hogwash to Morgan (Scenario 8b(i)) (Part 3/3)



B-5b (S8b(i)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(i))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	0	28	338	513	270	113	235	277	235	170	168	77	0	0	0	7	103	72	49	30	0	0	143	25	23	124	3114
34881	35065	1995.5	1996	31	67	18	0	1	0	27	328	496	262	111	229	272	230	163	162	75	0	0	0	7	103	72	49	30	0	0	141	25	22	121	3041
35065	35247	1996	1996.5	31	67	18	0	1	0	26	319	483	256	109	226	268	226	158	157	73	0	0	0	7	103	72	49	30	0	0	140	24	22	118	2982
35247	35431	1996.5	1997	31	67	18	0	1	0	25	312	471	251	108	223	265	223	154	153	71	0	0	0	7	103	72	49	30	0	0	139	24	22	117	2933
35431	35612	1997	1997.5	31	67	18	0	0	0	25	305	461	247	107	220	263	220	150	149	69	0	0	0	7	103	72	49	30	0	0	138	23	22	116	2891
35612	35796	1997.5	1998	31	67	18	0	0	0	24	299	453	244	106	218	260	218	147	146	68	0	0	0	7	103	72	49	30	0	0	138	23	22	115	2856
35796	35977	1998	1998.5	31	67	18	0	0	0	23	294	446	241	105	216	259	216	144	144	67	0	0	0	7	103	72	49	30	0	0	137	23	21	115	2825
35977	36161	1998.5	1999	31	67	18	0	0	0	23	289	439	238	104	215	257	214	142	141	65	0	0	0	7	103	72	49	30	0	0	137	23	21	114	2799
36161	36342	1999	1999.5	31	67	18	0	0	0	17	275	424	226	101	200	234	196	133	123	56	0	0	0	7	103	72	49	30	0	0	123	21	21	109	2634
36342	36526	1999.5	2000	31	67	18	0	0	0	16	266	407	215	97	191	225	188	126	117	54	0	0	0	7	103	72	49	30	0	0	119	20	21	104	2541
36526	36708	2000	2000.5	30	67	18	0	0	0	10	248	383	197	92	173	198	167	113	96	44	0	0	0	7	103	72	49	30	0	0	104	18	20	94	2332
36708	36892	2000.5	2001	30	67	18	0	0	0	8	235	359	183	87	161	186	156	104	89	41	0	0	0	7	103	72	49	30	0	0	100	17	19	85	2205
36892	37073	2001	2001.5	30	67	18	0	0	0	7	223	339	173	84	154	179	150	97	83	39	0	0	0	7	103	72	49	29	0	0	97	16	18	79	2113
37073	37257	2001.5	2002	30	67	18	0	0	0	6	213	323	165	82	149	174	144	91	77	37	0	0	0	7	103	72	49	29	0	0	95	15	17	74	2037
37257	37438	2002	2002.5	30	67	18	0	0	0	5	204	309	159	80	145	170	140	86	72	36	0	0	0	7	103	72	49	29	0	0	93	14	16	69	1974
37438	37622	2002.5	2003	30	67	18	0	0	0	5	196	297	154	79	142	167	137	82	68	34	0	0	0	7	103	72	49	29	0	0	92	14	15	65	1920
37622	37803	2003	2003.5	30	67	18	0	0	0	4	189	287	149	78	140	164	134	78	64	32	0	0	0	7	103	72	49	29	0	0	90	13	15	62	1874
37803	37987	2003.5	2004	30	67	18	0	0	0	4	182	278	146	77	137	162	132	75	61	31	0	0	0	7	103	72	49	29	0	0	88	13	14	60	1834
37987	38169	2004	2004.5	30	67	18	0	0	0	3	176	270	142	76	135	160	130	73	58	30	0	0	0	7	103	72	49	29	0	0	87	13	14	58	1799
38169	38353	2004.5	2005	30	67	18	0	0	0	3	171	263	140	75	134	158	128	70	56	29	0	0	0	7	103	72	49	29	0	0	86	12	14	56	1769
38353	38534	2005	2005.5	30	67	18	0	0	0	3	167	257	137	74	132	157	127	68	54	28	0	0	0	7	103	72	49	29	0	0	85	12	13	55	1742
38534	38718	2005.5	2006	30	67	18	0	0	0	2	163	251	135	74	131	155	125	67	52	27	0	0	0	7	103	72	49	29	0	0	84	12	13	53	1719
38718	38899	2006	2006.5	30	67	18	0	0	0	2	159	247	133	73	130	154	124	65	50	26	0	0	0	7	103	72	49	29	0	0	83	11	13	52	1698
38899	39083	2006.5	2007	30	67	18	0	0	0	2	156	242	132	73	129	153	123	64	49	26	0	0	0	7	103	72	49	29	0	0	82	11	13	52	1679
39083	39264	2007	2007.5	30	67	18	0	0	0	2	153	239	130	73	128	152	122	62	48	25	0	0	0	7	103	72	49	29	0	0	81	11	12	51	1663
39264	39448	2007.5	2008	30	67	18	0	0	0	1	150	235	129	72	127	151	121	61	47	25	0	0	0	7	103	72	49	29	0	0	80	11	12	50	1648
39448	39630	2008	2008.5	30	67	18	0	0	0	0	140	223	118	69	114	129	104	53	30	18	0	0	0	7	103	72	49	28	0	0	68	10	12	45	1505
39630	39814	2008.5	2009	30	66	18	0	0	0	0	133	208	108	66	105	121	97	48	27	16	0	0	0	7	103	72	49	28	0	0	64	9	12	39	1426
39814	39995	2009	2009.5	30	66	18	0	0	0	0	126	196	101	63	101	116	92	43	24	16	0	0	0	7	103	72	49	28	0	0	62	8	12	36	1370
39995	40179	2009.5	2010	30	66	18	0	0	0	0	120	186	96	62	97	112	89	40	21	15	0	0	0	7	103	72	49	28	0	0	60	8	11	33	1325

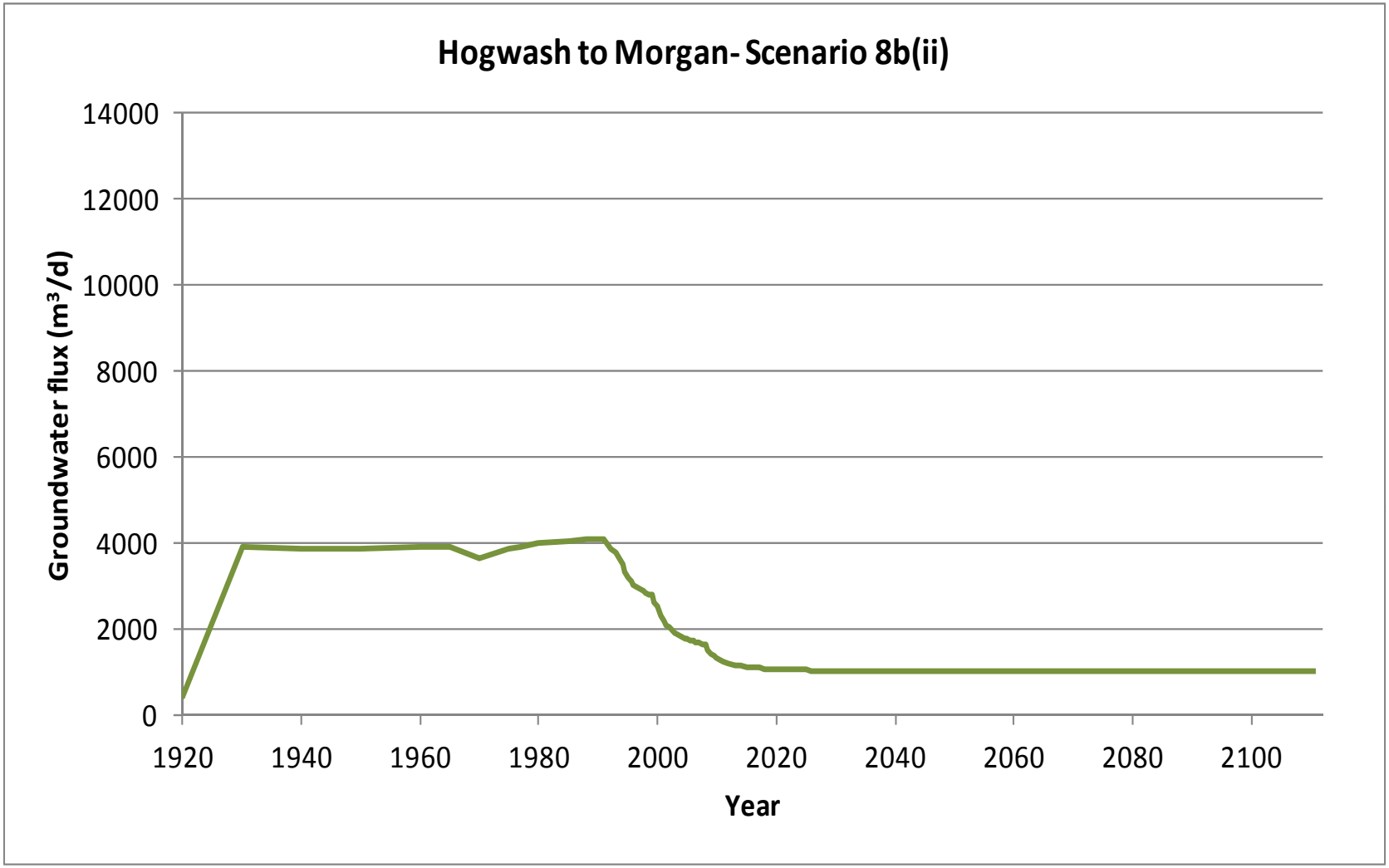
B-5a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	30	66	18	0	0	0	0	116	178	93	61	95	110	87	37	19	14	0	0	0	7	103	72	49	28	0	0	59	7	11	31	1290
40360	40544	2010.5	2011	30	66	18	0	0	0	0	111	170	89	60	93	108	85	35	17	13	0	0	0	7	103	72	49	28	0	0	58	7	11	30	1260
40544	40909	2011	2012	30	66	18	0	0	0	0	104	159	85	59	90	105	82	32	14	12	0	0	0	7	103	72	49	28	0	0	56	6	11	28	1213
40909	41275	2012	2013	30	66	18	0	0	0	0	98	150	81	58	88	103	79	29	12	11	0	0	0	7	103	72	49	28	0	0	54	6	11	26	1178
41275	41640	2013	2014	30	66	18	0	0	0	0	93	143	78	57	86	101	78	27	10	10	0	0	0	7	103	72	49	28	0	0	52	6	10	25	1150
41640	42005	2014	2015	30	66	18	0	0	0	0	89	138	76	57	85	100	76	26	9	10	0	0	0	7	103	72	49	28	0	0	51	5	10	25	1129
42005	42370	2015	2016	30	66	18	0	0	0	0	86	134	75	56	84	99	75	25	8	9	0	0	0	7	103	72	49	28	0	0	50	5	10	24	1112
42370	42736	2016	2017	30	66	18	0	0	0	0	84	131	73	56	83	98	74	24	7	9	0	0	0	7	103	72	49	28	0	0	49	5	10	24	1098
42736	43101	2017	2018	30	66	18	0	0	0	0	82	128	72	56	82	97	74	23	6	9	0	0	0	7	103	72	49	28	0	0	48	5	10	23	1087
43101	43466	2018	2019	30	66	18	0	0	0	0	81	126	72	55	82	97	73	22	6	8	0	0	0	7	103	72	49	28	0	0	48	5	10	23	1078
43466	43831	2019	2020	30	66	18	0	0	0	0	80	124	71	55	82	96	73	22	5	8	0	0	0	7	103	72	49	28	0	0	47	4	10	22	1071
43831	44197	2020	2021	30	66	18	0	0	0	0	79	123	70	55	81	96	72	22	5	8	0	0	0	7	103	72	49	27	0	0	47	4	10	22	1065
44197	44562	2021	2022	30	66	18	0	0	0	0	78	122	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	27	0	0	46	4	10	22	1061
44562	44927	2022	2023	30	66	18	0	0	0	0	77	121	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	27	0	0	46	4	10	22	1057
44927	45292	2023	2024	30	66	18	0	0	0	0	77	120	69	55	81	96	72	21	5	8	0	0	0	7	103	72	49	27	0	0	45	4	9	21	1054
45292	45658	2024	2025	30	66	18	0	0	0	0	76	120	69	55	81	95	72	21	5	8	0	0	0	7	103	72	49	27	0	0	45	4	9	21	1051
45658	46023	2025	2026	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	21	1049
46023	46388	2026	2027	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	21	1047
46388	46753	2027	2028	30	66	18	0	0	0	0	76	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	21	1045
46753	47119	2028	2029	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	20	1044
47119	47484	2029	2030	30	66	18	0	0	0	0	75	118	69	55	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1043
47484	47849	2030	2031	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1042
47849	48214	2031	2032	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1041
48214	48580	2032	2033	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1040
48580	48945	2033	2034	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1039
48945	49310	2034	2035	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	20	1039
49310	49675	2035	2036	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	20	1038
49675	50041	2036	2037	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	19	1038
50041	50406	2037	2038	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	19	1037
50406	50771	2038	2039	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1037
50771	51136	2039	2040	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1037
51136	51502	2040	2041	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1036
51502	51867	2041	2042	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1036
51867	52232	2042	2043	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1036
52232	52597	2043	2044	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1036
52597	52963	2044	2045	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1036
52963	53328	2045	2046	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
53328	53693	2046	2047	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
53693	54058	2047	2048	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
54058	54424	2048	2049	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
54424	54789	2049	2050	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
54789	55154	2050	2051	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
55154	55519	2051	2052	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
55519	55885	2052	2053	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
55885	56250	2053	2054	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
56250	56615	2054	2055	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
56615	56980	2055	2056	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
56980	57346	2056	2057	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
57346	57711	2057	2058	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
57711	58076	2058	2059	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
58076	58441	2059	2060	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034

B-5a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
58807	59172	2061	2062	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
59172	59537	2062	2063	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
59537	59902	2063	2064	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
59902	60268	2064	2065	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
60268	60633	2065	2066	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
60633	60998	2066	2067	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
60998	61363	2067	2068	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
61363	61729	2068	2069	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
61729	62094	2069	2070	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
62094	62459	2070	2071	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
62459	62824	2071	2072	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
62824	63190	2072	2073	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
63190	63555	2073	2074	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
63555	63920	2074	2075	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
63920	64285	2075	2076	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
64285	64651	2076	2077	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
64651	65016	2077	2078	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
65016	65381	2078	2079	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
65381	65746	2079	2080	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
65746	66112	2080	2081	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
66112	66477	2081	2082	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
66477	66842	2082	2083	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
66842	67207	2083	2084	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
67207	67573	2084	2085	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
67573	67938	2085	2086	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
67938	68303	2086	2087	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
68303	68668	2087	2088	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
68668	69034	2088	2089	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
69034	69399	2089	2090	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
69399	69764	2090	2091	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
69764	70129	2091	2092	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
70129	70495	2092	2093	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
70495	70860	2093	2094	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
70860	71225	2094	2095	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
71225	71590	2095	2096	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
71590	71956	2096	2097	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
71956	72321	2097	2098	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
72321	72686	2098	2099	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
72686	73051	2099	2100	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
73051	73416	2100	2101	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
73416	73781	2101	2102	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
73781	74146	2102	2103	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
74146	74511	2103	2104	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
74511	74877	2104	2105	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
74877	75242	2105	2106	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
75242	75607	2106	2107	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
75607	75972	2107	2108	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
75972	76338	2108	2109	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
76338	76703	2109	2110	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
76703	77068	2110	2111	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035

B-5a (S8b(ii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(ii)) (Part 3/3)



B-5a (S8b(ii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35796	35977	1998	1998.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35977	36161	1998.5	1999	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
36161	36342	1999	1999.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36342	36526	1999.5	2000	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36526	36708	2000	2000.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	14
36708	36892	2000.5	2001	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
36892	37073	2001	2001.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
37073	37257	2001.5	2002	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37257	37438	2002	2002.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37438	37622	2002.5	2003	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37622	37803	2003	2003.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
37987	38169	2004	2004.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38169	38353	2004.5	2005	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38353	38534	2005	2005.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38534	38718	2005.5	2006	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38718	38899	2006	2006.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38899	39083	2006.5	2007	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
39083	39264	2007	2007.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39264	39448	2007.5	2008	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39448	39630	2008	2008.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39630	39814	2008.5	2009	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39814	39995	2009	2009.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39995	40179	2009.5	2010	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

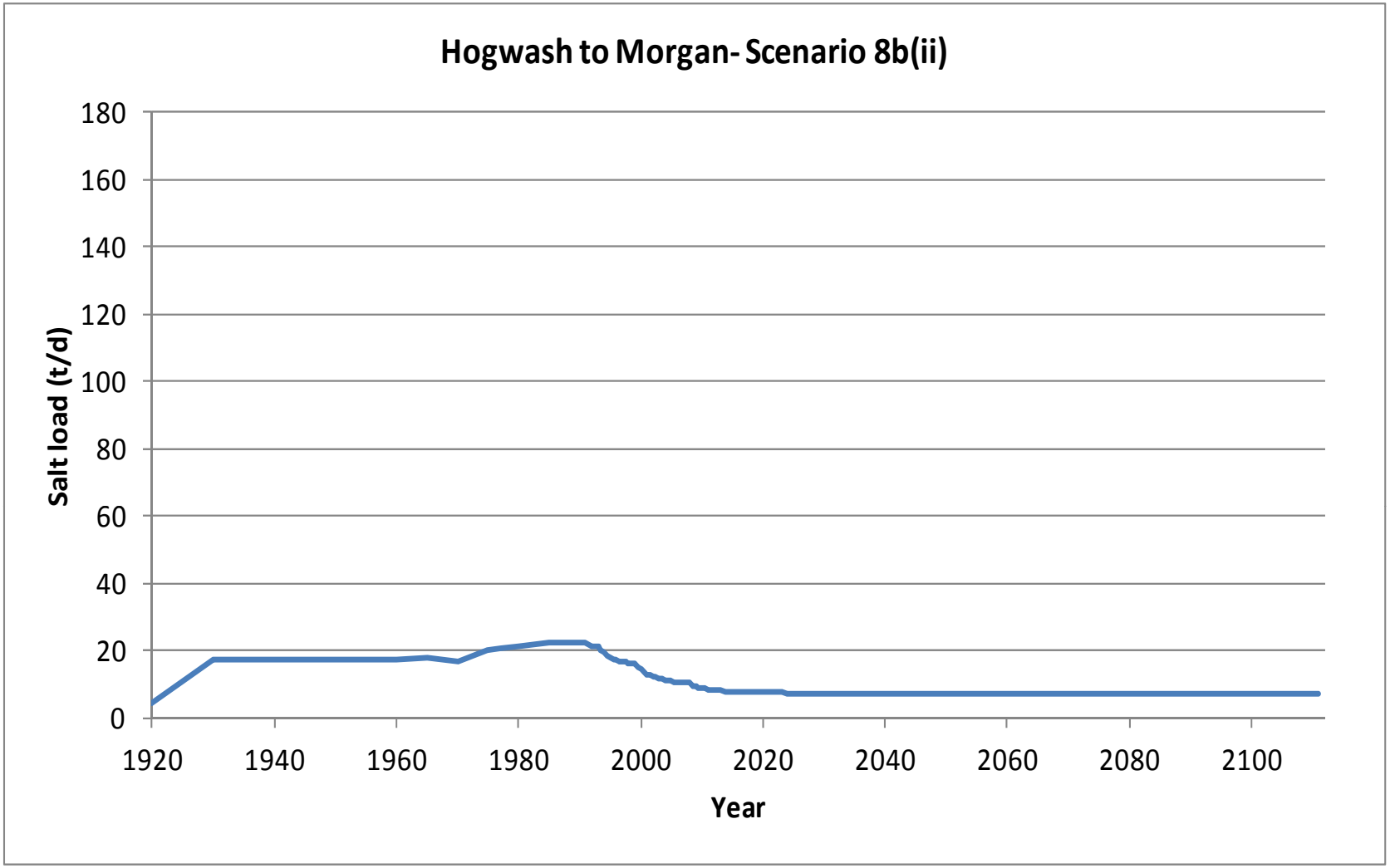
B-5b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(ii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
40360	40544	2010.5	2011	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	9
40544	40909	2011	2012	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
40909	41275	2012	2013	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41275	41640	2013	2014	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41640	42005	2014	2015	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(ii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8b(ii)). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(ii)) (Part 3/3)



B-5b (S8b(ii)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(ii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	0	28	338	513	270	113	235	277	235	170	168	77	0	0	0	7	103	72	49	30	0	0	143	25	23	124	3114
34881	35065	1995.5	1996	31	67	18	0	1	0	27	328	496	262	111	229	272	230	163	162	75	0	0	0	7	103	72	49	30	0	0	141	25	22	121	3041
35065	35247	1996	1996.5	31	67	18	0	1	0	26	319	483	256	109	226	268	226	158	157	73	0	0	0	7	103	72	49	30	0	0	140	24	22	118	2982
35247	35431	1996.5	1997	31	67	18	0	1	0	25	312	471	251	108	223	265	223	154	153	71	0	0	0	7	103	72	49	30	0	0	139	24	22	117	2933
35431	35612	1997	1997.5	31	67	18	0	0	0	25	305	461	247	107	220	263	220	150	149	69	0	0	0	7	103	72	49	30	0	0	138	23	22	116	2891
35612	35796	1997.5	1998	31	67	18	0	0	0	24	299	453	244	106	218	260	218	147	146	68	0	0	0	7	103	72	49	30	0	0	138	23	22	115	2856
35796	35977	1998	1998.5	31	67	18	0	0	0	23	294	446	241	105	216	259	216	144	144	67	0	0	0	7	103	72	49	30	0	0	137	23	21	115	2825
35977	36161	1998.5	1999	31	67	18	0	0	0	23	289	439	238	104	215	257	214	142	141	65	0	0	0	7	103	72	49	30	0	0	137	23	21	114	2799
36161	36342	1999	1999.5	31	67	18	0	0	0	17	275	424	226	101	200	234	196	133	123	56	0	0	0	7	103	72	49	30	0	0	123	21	21	109	2634
36342	36526	1999.5	2000	31	67	18	0	0	0	16	266	407	215	97	191	225	188	126	117	54	0	0	0	7	103	72	49	30	0	0	119	20	21	104	2541
36526	36708	2000	2000.5	30	67	18	0	0	0	10	248	383	197	92	173	198	167	113	96	44	0	0	0	7	103	72	49	30	0	0	104	18	20	94	2332
36708	36892	2000.5	2001	30	67	18	0	0	0	8	235	359	183	87	161	186	156	104	89	41	0	0	0	7	103	72	49	30	0	0	100	17	19	85	2205
36892	37073	2001	2001.5	30	67	18	0	0	0	7	223	339	173	84	154	179	150	97	83	39	0	0	0	7	103	72	49	29	0	0	97	16	18	79	2113
37073	37257	2001.5	2002	30	67	18	0	0	0	6	213	323	165	82	149	174	144	91	77	37	0	0	0	7	103	72	49	29	0	0	95	15	17	74	2037
37257	37438	2002	2002.5	30	67	18	0	0	0	5	204	309	159	80	145	170	140	86	72	36	0	0	0	7	103	72	49	29	0	0	93	14	16	69	1974
37438	37622	2002.5	2003	30	67	18	0	0	0	5	196	297	154	79	142	167	137	82	68	34	0	0	0	7	103	72	49	29	0	0	92	14	15	65	1920
37622	37803	2003	2003.5	30	67	18	0	0	0	4	189	287	149	78	140	164	134	78	64	32	0	0	0	7	103	72	49	29	0	0	90	13	15	62	1874
37803	37987	2003.5	2004	30	67	18	0	0	0	4	182	278	146	77	137	162	132	75	61	31	0	0	0	7	103	72	49	29	0	0	88	13	14	60	1834
37987	38169	2004	2004.5	30	67	18	0	0	0	3	176	270	142	76	135	160	130	73	58	30	0	0	0	7	103	72	49	29	0	0	87	13	14	58	1799
38169	38353	2004.5	2005	30	67	18	0	0	0	3	171	263	140	75	134	158	128	70	56	29	0	0	0	7	103	72	49	29	0	0	86	12	14	56	1769
38353	38534	2005	2005.5	30	67	18	0	0	0	3	167	257	137	74	132	157	127	68	54	28	0	0	0	7	103	72	49	29	0	0	85	12	13	55	1742
38534	38718	2005.5	2006	30	67	18	0	0	0	2	163	251	135	74	131	155	125	67	52	27	0	0	0	7	103	72	49	29	0	0	84	12	13	53	1719
38718	38899	2006	2006.5	30	67	18	0	0	0	2	159	247	133	73	130	154	124	65	50	26	0	0	0	7	103	72	49	29	0	0	83	11	13	52	1698
38899	39083	2006.5	2007	30	67	18	0	0	0	2	156	242	132	73	129	153	123	64	49	26	0	0	0	7	103	72	49	29	0	0	82	11	13	52	1679
39083	39264	2007	2007.5	30	67	18	0	0	0	2	153	239	130	73	128	152	122	62	48	25	0	0	0	7	103	72	49	29	0	0	81	11	12	51	1663
39264	39448	2007.5	2008	30	67	18	0	0	0	1	150	235	129	72	127	151	121	61	47	25	0	0	0	7	103	72	49	29	0	0	80	11	12	50	1648
39448	39630	2008	2008.5	30	67	18	0	0	0	0	140	223	118	69	114	129	104	53	30	18	0	0	0	7	103	72	49	28	0	0	68	10	12	45	1505
39630	39814	2008.5	2009	30	66	18	0	0	0	0	133	208	108	66	105	121	97	48	27	16	0	0	0	7	103	72	49	28	0	0	64	9	12	39	1426
39814	39995	2009	2009.5	30	66	18	0	0	0	0	126	196	101	63	101	116	92	43	24	16	0	0	0	7	103	72	49	28	0	0	62	8	12	36	1370
39995	40179	2009.5	2010	30	66	18	0	0	0	0	120	186	96	62	97	112	89	40	21	15	0	0	0	7	103	72	49	28	0	0	60	8	11	33	1325

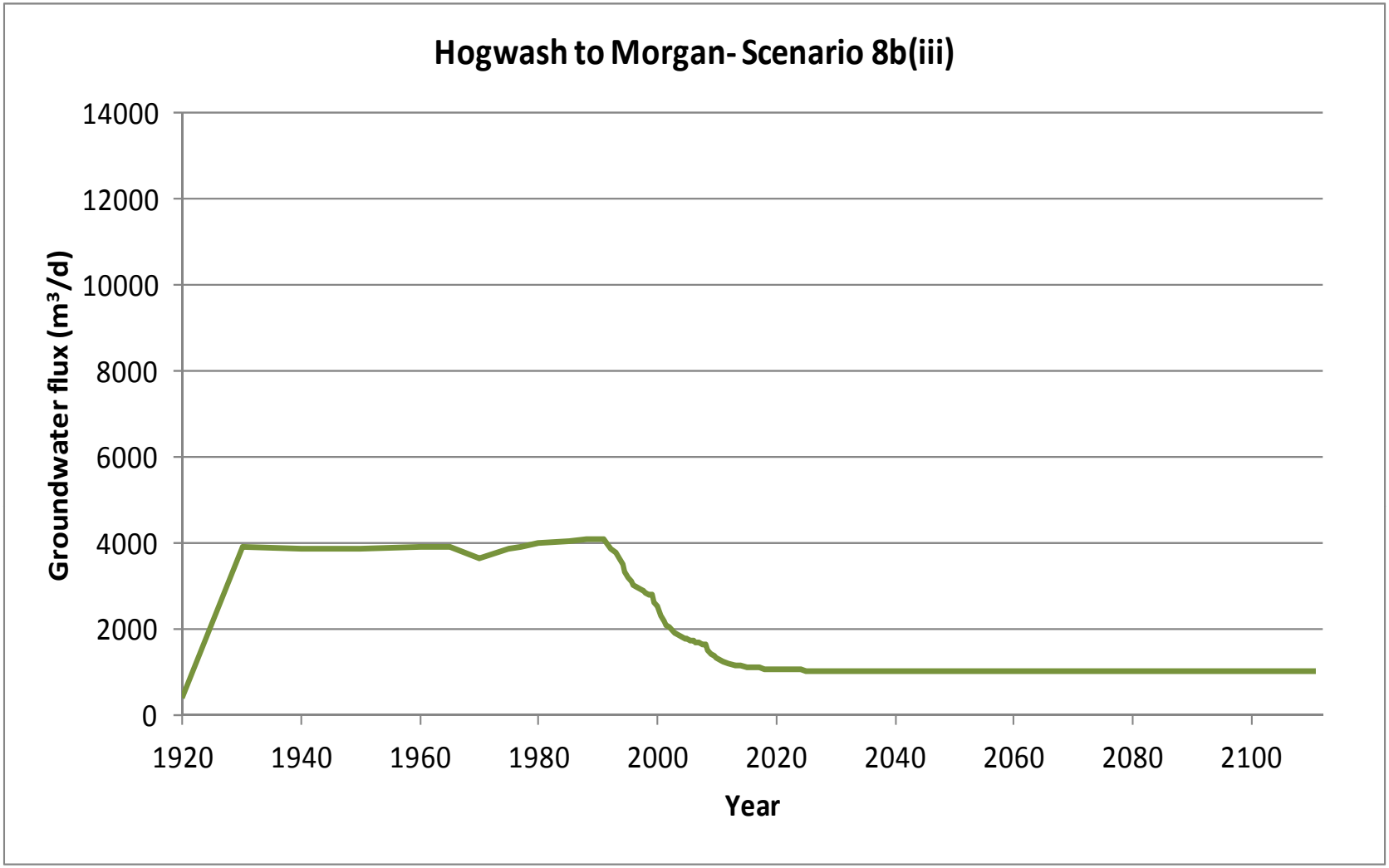
B-5a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	30	66	18	0	0	0	0	116	178	93	61	95	110	87	37	19	14	0	0	0	7	103	72	49	28	0	0	59	7	11	31	1290
40360	40544	2010.5	2011	30	66	18	0	0	0	0	111	170	89	60	93	108	85	35	17	13	0	0	0	7	103	72	49	28	0	0	58	7	11	30	1260
40544	40909	2011	2012	30	66	18	0	0	0	0	104	159	85	59	90	105	82	32	14	12	0	0	0	7	103	72	49	28	0	0	56	6	11	28	1213
40909	41275	2012	2013	30	66	18	0	0	0	0	98	150	81	58	88	103	79	29	12	11	0	0	0	7	103	72	49	28	0	0	54	6	11	26	1178
41275	41640	2013	2014	30	66	18	0	0	0	0	93	143	78	57	86	101	78	27	10	10	0	0	0	7	103	72	49	28	0	0	52	6	10	25	1150
41640	42005	2014	2015	30	66	18	0	0	0	0	89	138	76	57	85	100	76	26	9	10	0	0	0	7	103	72	49	28	0	0	51	5	10	25	1129
42005	42370	2015	2016	30	66	18	0	0	0	0	86	134	75	56	84	99	75	25	8	9	0	0	0	7	103	72	49	28	0	0	50	5	10	24	1112
42370	42736	2016	2017	30	66	18	0	0	0	0	84	131	73	56	83	98	74	24	7	9	0	0	0	7	103	72	49	28	0	0	49	5	10	24	1098
42736	43101	2017	2018	30	66	18	0	0	0	0	82	128	72	56	82	97	74	23	6	9	0	0	0	7	103	72	49	28	0	0	48	5	10	23	1087
43101	43466	2018	2019	30	66	18	0	0	0	0	81	126	72	55	82	97	73	22	6	8	0	0	0	7	103	72	49	28	0	0	48	5	10	23	1078
43466	43831	2019	2020	30	66	18	0	0	0	0	80	124	71	55	82	96	73	22	5	8	0	0	0	7	103	72	49	27	0	0	47	4	10	22	1071
43831	44197	2020	2021	30	66	18	0	0	0	0	79	123	70	55	81	96	72	22	5	8	0	0	0	7	103	72	49	27	0	0	47	4	10	22	1065
44197	44562	2021	2022	30	66	18	0	0	0	0	78	122	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	27	0	0	46	4	10	22	1061
44562	44927	2022	2023	30	66	18	0	0	0	0	77	121	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	27	0	0	46	4	10	21	1057
44927	45292	2023	2024	30	66	18	0	0	0	0	77	120	69	55	81	96	72	21	5	8	0	0	0	7	103	72	49	27	0	0	45	4	9	21	1053
45292	45658	2024	2025	30	66	18	0	0	0	0	76	120	69	55	81	95	72	21	5	8	0	0	0	7	103	72	49	27	0	0	45	4	9	21	1051
45658	46023	2025	2026	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	21	1048
46023	46388	2026	2027	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	21	1046
46388	46753	2027	2028	30	66	18	0	0	0	0	76	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	20	1045
46753	47119	2028	2029	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	49	27	0	0	44	4	9	20	1043
47119	47484	2029	2030	30	66	18	0	0	0	0	75	118	69	55	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1042
47484	47849	2030	2031	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1041
47849	48214	2031	2032	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1040
48214	48580	2032	2033	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	43	4	9	20	1040
48580	48945	2033	2034	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	20	1039
48945	49310	2034	2035	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	19	1038
49310	49675	2035	2036	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	4	9	19	1038
49675	50041	2036	2037	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1037
50041	50406	2037	2038	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1037
50406	50771	2038	2039	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1036
50771	51136	2039	2040	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	42	3	9	19	1036
51136	51502	2040	2041	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1036
51502	51867	2041	2042	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1036
51867	52232	2042	2043	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
52232	52597	2043	2044	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
52597	52963	2044	2045	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
52963	53328	2045	2046	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
53328	53693	2046	2047	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1035
53693	54058	2047	2048	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
54058	54424	2048	2049	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
54424	54789	2049	2050	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
54789	55154	2050	2051	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
55154	55519	2051	2052	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
55519	55885	2052	2053	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	19	1034
55885	56250	2053	2054	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	18	1034
56250	56615	2054	2055	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	18	1034
56615	56980	2055	2056	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	41	3	9	18	1034
56980	57346	2056	2057	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
57346	57711	2057	2058	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
57711	58076	2058	2059	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
58076	58441	2059	2060	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034

B-5a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
58807	59172	2061	2062	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
59172	59537	2062	2063	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
59537	59902	2063	2064	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
59902	60268	2064	2065	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
60268	60633	2065	2066	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
60633	60998	2066	2067	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
60998	61363	2067	2068	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
61363	61729	2068	2069	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
61729	62094	2069	2070	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
62094	62459	2070	2071	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
62459	62824	2071	2072	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1033
62824	63190	2072	2073	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
63190	63555	2073	2074	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
63555	63920	2074	2075	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
63920	64285	2075	2076	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
64285	64651	2076	2077	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
64651	65016	2077	2078	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
65016	65381	2078	2079	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
65381	65746	2079	2080	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
65746	66112	2080	2081	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
66112	66477	2081	2082	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
66477	66842	2082	2083	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
66842	67207	2083	2084	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
67207	67573	2084	2085	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
67573	67938	2085	2086	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
67938	68303	2086	2087	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
68303	68668	2087	2088	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
68668	69034	2088	2089	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
69034	69399	2089	2090	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
69399	69764	2090	2091	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
69764	70129	2091	2092	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
70129	70495	2092	2093	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
70495	70860	2093	2094	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
70860	71225	2094	2095	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
71225	71590	2095	2096	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
71590	71956	2096	2097	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
71956	72321	2097	2098	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
72321	72686	2098	2099	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
72686	73051	2099	2100	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
73051	73416	2100	2101	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
73416	73781	2101	2102	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
73781	74146	2102	2103	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
74146	74511	2103	2104	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
74511	74877	2104	2105	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
74877	75242	2105	2106	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
75242	75607	2106	2107	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
75607	75972	2107	2108	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
75972	76338	2108	2109	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1034
76338	76703	2109	2110	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1035
76703	77068	2110	2111	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	8	0	0	0	7	103	72	49	27	0	0	40	3	9	18	1035

B-5a (S8b(iii)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iii)) (Part 3/3)



B-5a (S8b(iii)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35796	35977	1998	1998.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35977	36161	1998.5	1999	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
36161	36342	1999	1999.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36342	36526	1999.5	2000	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36526	36708	2000	2000.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	14
36708	36892	2000.5	2001	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
36892	37073	2001	2001.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
37073	37257	2001.5	2002	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37257	37438	2002	2002.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37438	37622	2002.5	2003	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37622	37803	2003	2003.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
37987	38169	2004	2004.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38169	38353	2004.5	2005	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38353	38534	2005	2005.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38534	38718	2005.5	2006	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38718	38899	2006	2006.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38899	39083	2006.5	2007	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
39083	39264	2007	2007.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39264	39448	2007.5	2008	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39448	39630	2008	2008.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39630	39814	2008.5	2009	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39814	39995	2009	2009.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39995	40179	2009.5	2010	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

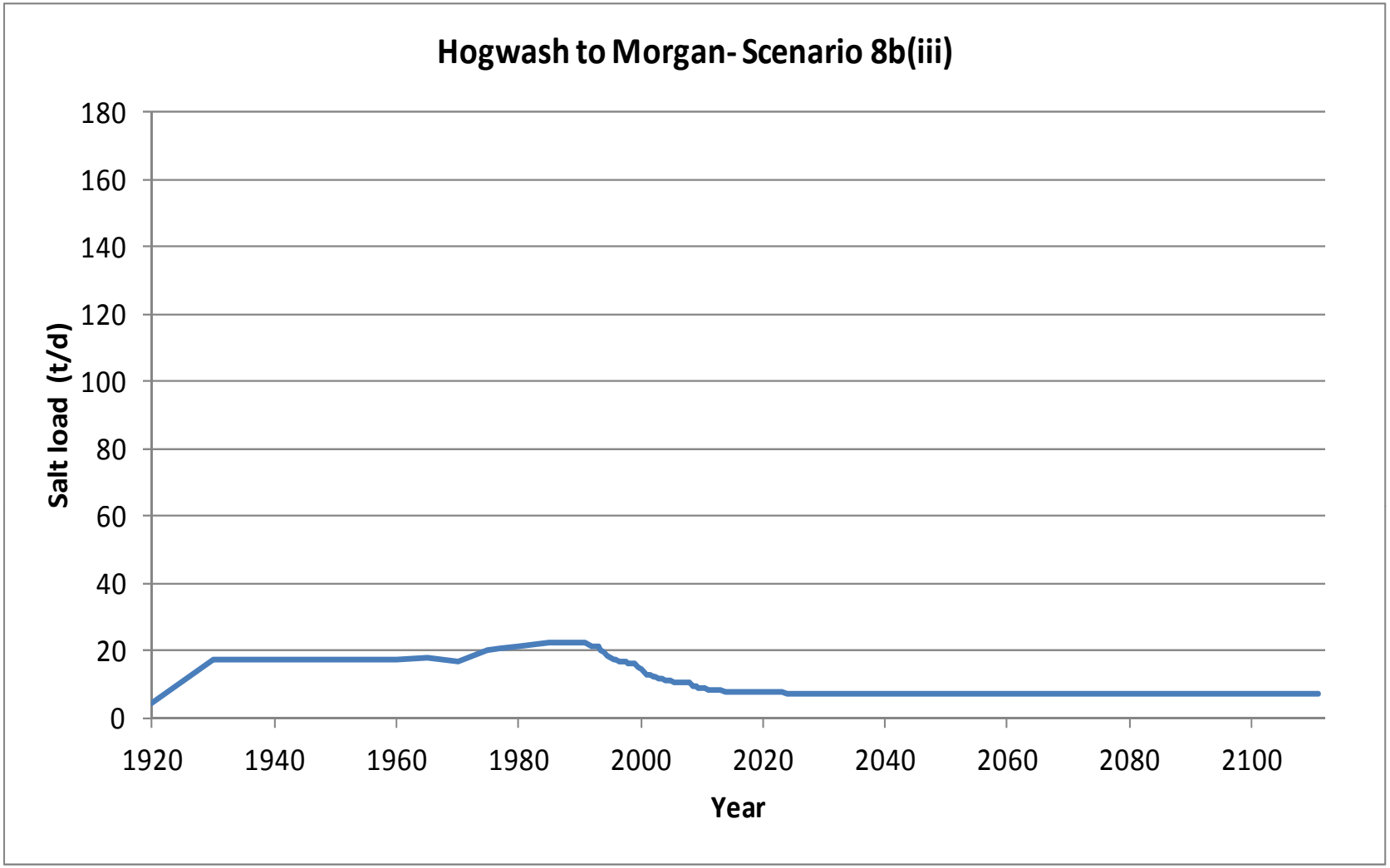
B-5b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Hogwash to Morgan(Scenario 8b(iii)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
40360	40544	2010.5	2011	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	9
40544	40909	2011	2012	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
40909	41275	2012	2013	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41275	41640	2013	2014	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41640	42005	2014	2015	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Hogwash to Morgan(Scenario 8b(iii)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b (S8b(iii)). Modelled salt load (t/d)entering the River Murray from each flow budget zone in Hogwash to Morgan(Scenario 8b(iii)) (Part 3/3)



B-5b (S8b(iii)). Graph of Modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(iii))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
0	7306	1900	1920	29	65	17	0	0	0	0	0	0	2	26	16	5	5	0	0	0	0	0	0	6	101	70	44	19	0	0	0	0	0	0	405
7306	10959	1920	1930	30	65	18	0	0	0	2	435	799	466	175	417	510	407	231	113	20	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3928
10959	14611	1930	1940	30	66	18	0	0	0	5	455	799	451	169	397	481	387	230	122	26	0	0	0	7	101	70	44	19	0	0	0	0	0	0	3877
14611	18264	1940	1950	30	66	18	0	0	0	6	458	801	452	169	397	482	387	230	123	26	0	0	0	7	101	70	44	20	0	0	0	0	0	0	3887
18264	21916	1950	1960	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	27	0	0	0	7	101	70	44	20	0	0	0	0	1	26	3927
21916	23743	1960	1965	30	66	18	0	0	0	6	458	801	452	169	398	483	390	234	127	28	0	0	0	7	101	70	44	20	0	0	3	0	1	31	3936
23743	25569	1965	1970	30	66	18	0	0	0	5	426	740	414	158	364	440	356	213	113	24	0	0	0	7	101	70	44	20	0	0	3	0	1	25	3637
25569	27395	1970	1975	31	68	18	0	2	2	52	442	673	374	145	329	398	335	242	256	105	0	0	0	7	102	70	45	24	0	0	111	4	12	38	3882
27395	28126	1975	1977	31	68	18	0	2	2	52	436	665	370	144	327	396	332	240	253	105	0	0	0	7	102	70	45	25	0	0	127	10	14	98	3938
28126	29221	1977	1980	31	68	18	0	2	2	51	431	658	368	144	325	394	331	237	251	106	0	0	0	7	102	70	46	26	0	0	156	18	20	144	4007
29221	31048	1980	1985	31	68	18	0	2	2	51	428	654	366	143	324	393	330	236	251	110	0	0	0	7	102	71	47	28	0	1	184	29	27	169	4072
31048	32143	1985	1988	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	29	0	1	194	33	30	178	4099
32143	32509	1988	1989	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	112	0	0	0	7	102	71	48	30	0	1	196	34	31	180	4106
32509	32874	1989	1990	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	199	35	31	180	4110
32874	33239	1990	1991	31	68	18	0	2	2	51	427	653	366	143	324	393	330	236	251	113	0	0	0	7	102	71	48	30	0	1	201	36	28	178	4108
33239	33604	1991	1992	31	68	18	0	2	1	44	411	631	347	137	303	364	307	224	231	104	0	0	0	7	103	71	48	30	0	0	185	34	27	166	3893
33604	33970	1992	1993	31	68	18	0	1	1	43	402	613	337	134	296	356	300	217	226	103	0	0	0	7	103	71	48	30	0	0	184	33	25	160	3808
33970	34151	1993	1993.5	31	68	18	0	1	1	38	388	597	324	130	281	333	281	207	208	94	0	0	0	7	103	71	49	30	0	0	169	31	25	153	3637
34151	34335	1993.5	1994	31	68	18	0	1	1	36	379	580	312	126	272	323	273	200	202	92	0	0	0	7	103	72	49	30	0	0	166	30	24	147	3541
34335	34516	1994	1994.5	31	68	18	0	1	0	30	362	556	295	121	253	296	252	187	181	82	0	0	0	7	103	72	49	30	0	0	150	28	24	138	3331
34516	34700	1994.5	1995	31	68	18	0	1	0	29	349	532	280	116	241	284	241	177	174	79	0	0	0	7	103	72	49	30	0	0	146	26	23	130	3205
34700	34881	1995	1995.5	31	68	18	0	1	0	28	338	513	270	113	235	277	235	170	168	77	0	0	0	7	103	72	49	30	0	0	143	25	23	124	3114
34881	35065	1995.5	1996	31	67	18	0	1	0	27	328	496	262	111	229	272	230	163	162	75	0	0	0	7	103	72	49	30	0	0	141	25	22	121	3041
35065	35247	1996	1996.5	31	67	18	0	1	0	26	319	483	256	109	226	268	226	158	157	73	0	0	0	7	103	72	49	30	0	0	140	24	22	118	2982
35247	35431	1996.5	1997	31	67	18	0	1	0	25	312	471	251	108	223	265	223	154	153	71	0	0	0	7	103	72	49	30	0	0	139	24	22	117	2933
35431	35612	1997	1997.5	31	67	18	0	0	0	25	305	461	247	107	220	263	220	150	149	69	0	0	0	7	103	72	49	30	0	0	138	23	22	116	2891
35612	35796	1997.5	1998	31	67	18	0	0	0	24	299	453	244	106	218	260	218	147	146	68	0	0	0	7	103	72	49	30	0	0	138	23	22	115	2856
35796	35977	1998	1998.5	31	67	18	0	0	0	23	294	446	241	105	216	259	216	144	144	67	0	0	0	7	103	72	49	30	0	0	137	23	21	115	2825
35977	36161	1998.5	1999	31	67	18	0	0	0	23	289	439	238	104	215	257	214	142	141	65	0	0	0	7	103	72	49	30	0	0	137	23	21	114	2799
36161	36342	1999	1999.5	31	67	18	0	0	0	17	275	424	226	101	200	234	196	133	123	56	0	0	0	7	103	72	49	30	0	0	123	21	21	109	2634
36342	36526	1999.5	2000	31	67	18	0	0	0	16	266	407	215	97	191	225	188	126	117	54	0	0	0	7	103	72	49	30	0	0	119	20	21	104	2541
36526	36708	2000	2000.5	30	67	18	0	0	0	10	248	383	197	92	173	198	167	113	96	44	0	0	0	7	103	72	49	30	0	0	104	18	20	94	2332
36708	36892	2000.5	2001	30	67	18	0	0	0	8	235	359	183	87	161	186	156	104	89	41	0	0	0	7	103	72	49	30	0	0	100	17	19	85	2205
36892	37073	2001	2001.5	30	67	18	0	0	0	7	223	339	173	84	154	179	150	97	83	39	0	0	0	7	103	72	49	29	0	0	97	16	18	79	2113
37073	37257	2001.5	2002	30	67	18	0	0	0	6	213	323	165	82	149	174	144	91	77	37	0	0	0	7	103	72	49	29	0	0	95	15	17	74	2037
37257	37438	2002	2002.5	30	67	18	0	0	0	5	204	309	159	80	145	170	140	86	72	36	0	0	0	7	103	72	49	29	0	0	93	14	16	69	1974
37438	37622	2002.5	2003	30	67	18	0	0	0	5	196	297	154	79	142	167	137	82	68	34	0	0	0	7	103	72	49	29	0	0	92	14	15	65	1920
37622	37803	2003	2003.5	30	67	18	0	0	0	4	189	287	149	78	140	164	134	78	64	32	0	0	0	7	103	72	49	29	0	0	90	13	15	62	1874
37803	37987	2003.5	2004	30	67	18	0	0	0	4	182	278	146	77	137	162	132	75	61	31	0	0	0	7	103	72	49	29	0	0	88	13	14	60	1834
37987	38169	2004	2004.5	30	67	18	0	0	0	3	176	270	142	76	135	160	130	73	58	30	0	0	0	7	103	72	49	29	0	0	87	13	14	58	1799
38169	38353	2004.5	2005	30	67	18	0	0	0	3	171	263	140	75	134	158	128	70	56	29	0	0	0	7	103	72	49	29	0	0	86	12	14	56	1769
38353	38534	2005	2005.5	30	67	18	0	0	0	3	167	257	137	74	132	157	127	68	54	28	0	0	0	7	103	72	49	29	0	0	85	12	13	55	1742
38534	38718	2005.5	2006	30	67	18	0	0	0	2	163	251	135	74	131	155	125	67	52	27	0	0	0	7	103	72	49	29	0	0	84	12	13	53	1719
38718	38899	2006	2006.5	30	67	18	0	0	0	2	159	247	133	73	130	154	124	65	50	26	0	0	0	7	103	72	49	29	0	0	83	11	13	52	1698
38899	39083	2006.5	2007	30	67	18	0	0	0	2	156	242	132	73	129	153	123	64	49	26	0	0	0	7	103	72	49	29	0	0	82	11	13	52	1679
39083	39264	2007	2007.5	30	67	18	0	0	0	2	153	239	130	73	128	152	122	62	48	25	0	0	0	7	103	72	49	29	0	0	81	11	12	51	1663
39264	39448	2007.5	2008	30	67	18	0	0	0	1	150	235	129	72	127	151	121	61	47	25	0	0	0	7	103	72	49	29	0	0	80	11	12	50	1648
39448	39630	2008	2008.5	30	67	18	0	0	0	0	140	223	118	69	114	129	104	53	30	18	0	0	0	7	103	72	49	28	0	0	68	10	12	45	1505
39630	39814	2008.5	2009	30	66	18	0	0	0	0	133	208	108	66	105	121	97	48	27	16	0	0	0	7	103	72	49	28	0	0	64	9	12	39	1426
39814	39995	2009	2009.5	30	66	18	0	0	0	0	126	196	101	63	101	116	92	43	24	16	0	0	0	7	103	72	49	28	0	0	61	7	11	26	1357
39995	40179	2009.5	2010	30	66	18	0	0	0	0	120	186	96	62	97	112	89	40	21	15	0	0	0	7	103	72	49	28	0	0	55	5	10	18	1301

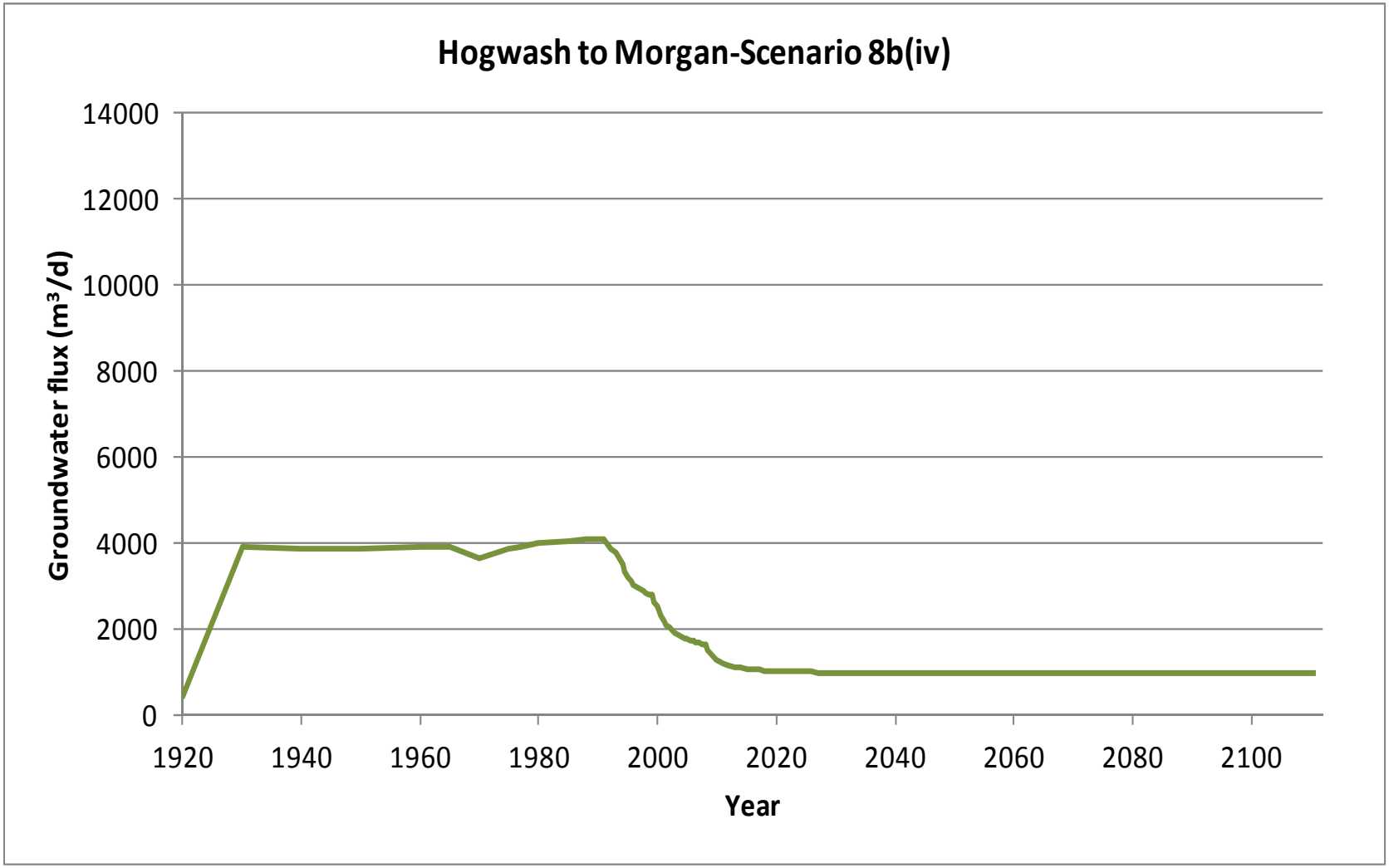
B-5a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
40179	40360	2010	2010.5	30	66	18	0	0	0	0	116	178	93	61	95	110	87	37	19	14	0	0	0	7	103	72	49	28	0	0	51	4	10	14	1259
40360	40544	2010.5	2011	30	66	18	0	0	0	0	111	170	89	60	93	108	85	35	17	13	0	0	0	7	103	72	49	28	0	0	48	3	9	11	1226
40544	40909	2011	2012	30	66	18	0	0	0	0	104	159	85	59	90	105	82	32	14	12	0	0	0	7	103	72	49	28	0	0	44	2	8	8	1175
40909	41275	2012	2013	30	66	18	0	0	0	0	98	150	81	58	88	103	79	29	12	11	0	0	0	7	103	72	49	28	0	0	41	2	8	7	1138
41275	41640	2013	2014	30	66	18	0	0	0	0	93	143	78	57	86	101	78	27	10	10	0	0	0	7	103	72	49	27	0	0	39	2	7	6	1110
41640	42005	2014	2015	30	66	18	0	0	0	0	89	138	76	57	85	100	76	26	9	10	0	0	0	7	103	72	49	27	0	0	37	2	7	6	1088
42005	42370	2015	2016	30	66	18	0	0	0	0	86	134	75	56	84	99	75	25	8	9	0	0	0	7	103	72	49	27	0	0	36	1	7	5	1071
42370	42736	2016	2017	30	66	18	0	0	0	0	84	131	73	56	83	98	74	24	7	9	0	0	0	7	103	72	49	27	0	0	35	1	7	5	1057
42736	43101	2017	2018	30	66	18	0	0	0	0	82	128	72	56	82	97	74	23	6	8	0	0	0	7	103	72	49	27	0	0	33	1	6	5	1046
43101	43466	2018	2019	30	66	18	0	0	0	0	81	126	72	55	82	97	73	22	6	8	0	0	0	7	103	72	49	27	0	0	33	1	6	5	1037
43466	43831	2019	2020	30	66	18	0	0	0	0	80	124	71	55	82	96	73	22	5	8	0	0	0	7	103	72	49	27	0	0	32	1	6	4	1029
43831	44197	2020	2021	30	66	18	0	0	0	0	79	123	70	55	81	96	72	22	5	8	0	0	0	7	103	72	49	27	0	0	31	1	6	4	1024
44197	44562	2021	2022	30	66	18	0	0	0	0	78	122	70	55	81	96	72	21	5	8	0	0	0	7	103	72	49	26	0	0	31	1	6	4	1019
44562	44927	2022	2023	30	66	18	0	0	0	0	77	121	70	55	81	96	72	21	5	8	0	0	0	7	103	72	48	26	0	0	30	1	6	4	1015
44927	45292	2023	2024	30	66	18	0	0	0	0	77	120	69	55	81	96	72	21	5	8	0	0	0	7	103	72	48	26	0	0	30	1	6	4	1012
45292	45658	2024	2025	30	66	18	0	0	0	0	76	120	69	55	81	95	72	21	4	8	0	0	0	7	103	72	48	26	0	0	29	1	6	4	1009
45658	46023	2025	2026	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	48	26	0	0	29	1	6	4	1007
46023	46388	2026	2027	30	66	18	0	0	0	0	76	119	69	55	80	95	71	21	4	8	0	0	0	7	103	72	48	26	0	0	29	1	6	4	1005
46388	46753	2027	2028	30	66	18	0	0	0	0	76	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	48	26	0	0	28	1	6	4	1004
46753	47119	2028	2029	30	66	18	0	0	0	0	75	118	69	55	80	95	71	21	4	8	0	0	0	7	103	72	48	26	0	0	28	1	6	4	1003
47119	47484	2029	2030	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	48	26	0	0	28	1	6	3	1001
47484	47849	2030	2031	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	8	0	0	0	7	103	72	48	26	0	0	28	1	6	3	1000
47849	48214	2031	2032	30	66	18	0	0	0	0	75	118	69	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	28	1	6	3	1000
48214	48580	2032	2033	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	999
48580	48945	2033	2034	30	66	18	0	0	0	0	75	118	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	998
48945	49310	2034	2035	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	998
49310	49675	2035	2036	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	997
49675	50041	2036	2037	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	997
50041	50406	2037	2038	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	997
50406	50771	2038	2039	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	996
50771	51136	2039	2040	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	1	5	3	996
51136	51502	2040	2041	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	27	0	5	3	996
51502	51867	2041	2042	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	996
51867	52232	2042	2043	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
52232	52597	2043	2044	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
52597	52963	2044	2045	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
52963	53328	2045	2046	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
53328	53693	2046	2047	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
53693	54058	2047	2048	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
54058	54424	2048	2049	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	995
54424	54789	2049	2050	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
54789	55154	2050	2051	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
55154	55519	2051	2052	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
55519	55885	2052	2053	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
55885	56250	2053	2054	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
56250	56615	2054	2055	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
56615	56980	2055	2056	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
56980	57346	2056	2057	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
57346	57711	2057	2058	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
57711	58076	2058	2059	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
58076	58441	2059	2060	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994

B-5a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total flux (m^3/d)
58441	58807	2060	2061	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
58807	59172	2061	2062	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
59172	59537	2062	2063	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
59537	59902	2063	2064	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
59902	60268	2064	2065	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
60268	60633	2065	2066	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
60633	60998	2066	2067	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
60998	61363	2067	2068	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
61363	61729	2068	2069	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
61729	62094	2069	2070	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
62094	62459	2070	2071	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
62459	62824	2071	2072	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
62824	63190	2072	2073	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
63190	63555	2073	2074	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
63555	63920	2074	2075	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
63920	64285	2075	2076	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
64285	64651	2076	2077	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
64651	65016	2077	2078	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
65016	65381	2078	2079	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
65381	65746	2079	2080	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
65746	66112	2080	2081	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
66112	66477	2081	2082	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
66477	66842	2082	2083	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
66842	67207	2083	2084	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
67207	67573	2084	2085	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
67573	67938	2085	2086	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
67938	68303	2086	2087	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
68303	68668	2087	2088	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
68668	69034	2088	2089	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
69034	69399	2089	2090	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
69399	69764	2090	2091	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
69764	70129	2091	2092	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
70129	70495	2092	2093	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
70495	70860	2093	2094	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
70860	71225	2094	2095	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
71225	71590	2095	2096	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
71590	71956	2096	2097	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
71956	72321	2097	2098	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
72321	72686	2098	2099	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
72686	73051	2099	2100	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
73051	73416	2100	2101	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
73416	73781	2101	2102	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
73781	74146	2102	2103	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
74146	74511	2103	2104	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
74511	74877	2104	2105	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
74877	75242	2105	2106	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
75242	75607	2106	2107	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
75607	75972	2107	2108	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
75972	76338	2108	2109	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
76338	76703	2109	2110	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994
76703	77068	2110	2111	30	66	18	0	0	0	0	75	117	68	54	80	95	71	20	4	7	0	0	0	7	103	72	48	26	0	0	26	0	5	3	994

B-5a (S8b(iv)). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iv)) (Part 3/3)



B-5a (S8b(iv)). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(iv))

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
0	7306	1900	1920	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	5
7306	10959	1920	1930	0	1	0	0	0	0	0	4	1	0	0	0	1	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
10959	14611	1930	1940	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
14611	18264	1940	1950	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
18264	21916	1950	1960	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
21916	23743	1960	1965	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	18
23743	25569	1965	1970	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	17
25569	27395	1970	1975	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0	20
27395	28126	1975	1977	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	0	0	0	1	0	0	1	21
28126	29221	1977	1980	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	22
29221	31048	1980	1985	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	22
31048	32143	1985	1988	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	22
32143	32509	1988	1989	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32509	32874	1989	1990	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
32874	33239	1990	1991	0	1	0	0	0	0	0	4	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	2	23
33239	33604	1991	1992	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33604	33970	1992	1993	0	1	0	0	0	0	0	3	1	0	0	0	0	3	2	2	1	0	0	0	0	1	1	1	1	0	0	2	0	0	1	21
33970	34151	1993	1993.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34151	34335	1993.5	1994	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	20
34335	34516	1994	1994.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	2	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	19
34516	34700	1994.5	1995	0	1	0	0	0	0	0	3	1	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34700	34881	1995	1995.5	0	1	0	0	0	0	0	3	1	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	18
34881	35065	1995.5	1996	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35065	35247	1996	1996.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35247	35431	1996.5	1997	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35431	35612	1997	1997.5	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	17
35612	35796	1997.5	1998	0	1	0	0	0	0	0	3	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35796	35977	1998	1998.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
35977	36161	1998.5	1999	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	1	16
36161	36342	1999	1999.5	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36342	36526	1999.5	2000	0	1	0	0	0	0	0	2	0	0	0	0	0	2	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	15
36526	36708	2000	2000.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	14
36708	36892	2000.5	2001	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
36892	37073	2001	2001.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	13
37073	37257	2001.5	2002	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37257	37438	2002	2002.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37438	37622	2002.5	2003	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37622	37803	2003	2003.5	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	12
37803	37987	2003.5	2004	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	0	0	1	11
37987	38169	2004	2004.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38169	38353	2004.5	2005	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38353	38534	2005	2005.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38534	38718	2005.5	2006	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38718	38899	2006	2006.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
38899	39083	2006.5	2007	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	11
39083	39264	2007	2007.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39264	39448	2007.5	2008	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39448	39630	2008	2008.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	10
39630	39814	2008.5	2009	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39814	39995	2009	2009.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	9
39995	40179	2009.5	2010	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	9
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

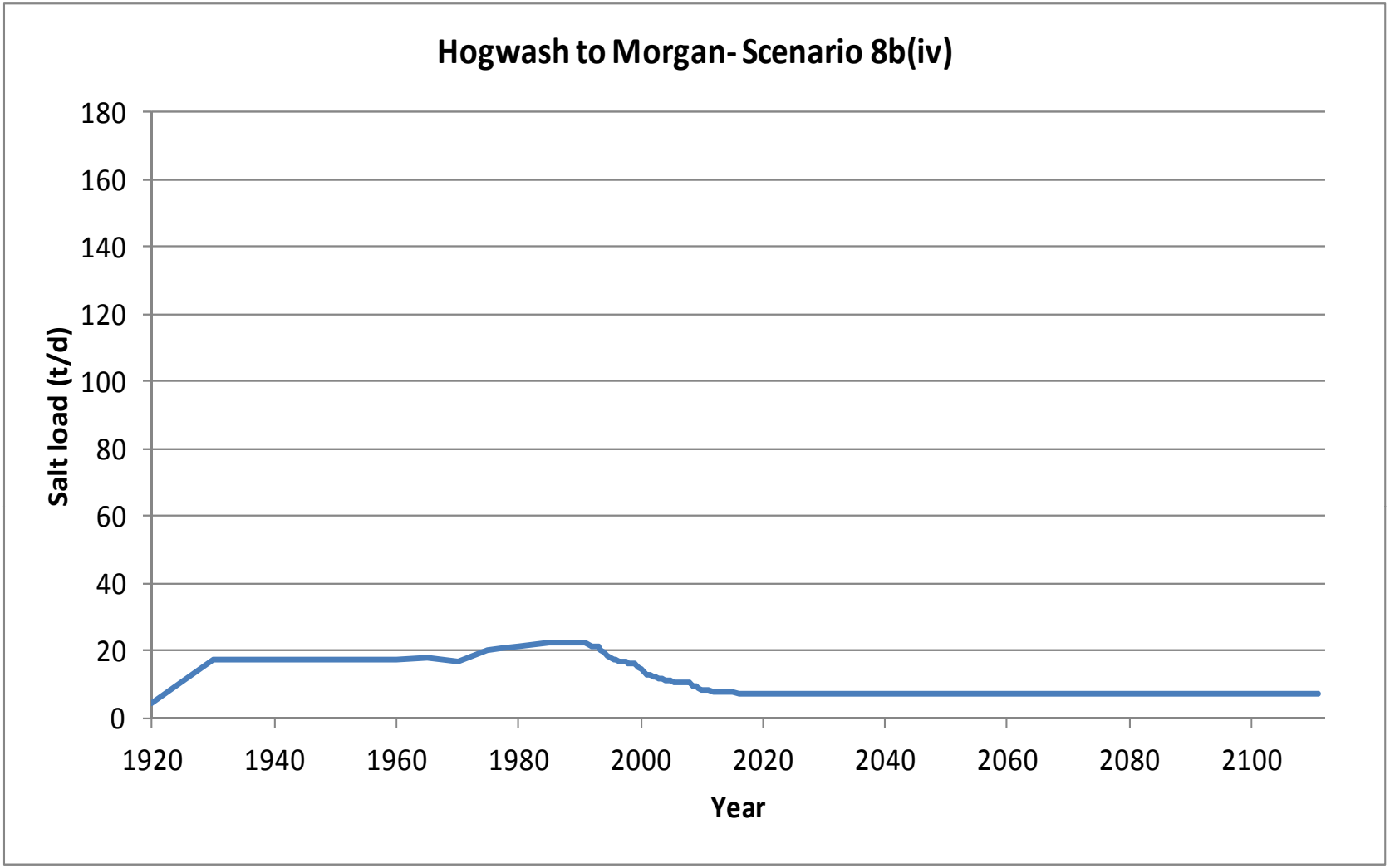
B-5b(S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iv)) (Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
40179	40360	2010	2010.5	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
40360	40544	2010.5	2011	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
40544	40909	2011	2012	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
40909	41275	2012	2013	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41275	41640	2013	2014	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
41640	42005	2014	2015	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	8
42005	42370	2015	2016	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
42370	42736	2016	2017	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
42736	43101	2017	2018	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
43101	43466	2018	2019	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
43466	43831	2019	2020	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
43831	44197	2020	2021	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
44197	44562	2021	2022	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
44562	44927	2022	2023	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
44927	45292	2023	2024	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
45292	45658	2024	2025	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
45658	46023	2025	2026	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46023	46388	2026	2027	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46388	46753	2027	2028	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
46753	47119	2028	2029	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47119	47484	2029	2030	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47484	47849	2030	2031	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
47849	48214	2031	2032	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48214	48580	2032	2033	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48580	48945	2033	2034	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
48945	49310	2034	2035	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
49310	49675	2035	2036	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
49675	50041	2036	2037	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50041	50406	2037	2038	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50406	50771	2038	2039	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
50771	51136	2039	2040	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51136	51502	2040	2041	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51502	51867	2041	2042	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
51867	52232	2042	2043	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52232	52597	2043	2044	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52597	52963	2044	2045	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
52963	53328	2045	2046	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
53328	53693	2046	2047	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
53693	54058	2047	2048	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54058	54424	2048	2049	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54424	54789	2049	2050	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
54789	55154	2050	2051	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55154	55519	2051	2052	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55519	55885	2052	2053	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
55885	56250	2053	2054	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56250	56615	2054	2055	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56615	56980	2055	2056	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
56980	57346	2056	2057	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
57346	57711	2057	2058	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
57711	58076	2058	2059	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
58076	58441	2059	2060	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b(S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iv)) (Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Total salt load (t/d)
58441	58807	2060	2061	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
58807	59172	2061	2062	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59172	59537	2062	2063	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59537	59902	2063	2064	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
59902	60268	2064	2065	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60268	60633	2065	2066	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60633	60998	2066	2067	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
60998	61363	2067	2068	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
61363	61729	2068	2069	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
61729	62094	2069	2070	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62094	62459	2070	2071	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62459	62824	2071	2072	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
62824	63190	2072	2073	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63190	63555	2073	2074	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63555	63920	2074	2075	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
63920	64285	2075	2076	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
64285	64651	2076	2077	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
64651	65016	2077	2078	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65016	65381	2078	2079	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65381	65746	2079	2080	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
65746	66112	2080	2081	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66112	66477	2081	2082	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66477	66842	2082	2083	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
66842	67207	2083	2084	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67207	67573	2084	2085	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67573	67938	2085	2086	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
67938	68303	2086	2087	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
68303	68668	2087	2088	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
68668	69034	2088	2089	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69034	69399	2089	2090	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69399	69764	2090	2091	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
69764	70129	2091	2092	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70129	70495	2092	2093	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70495	70860	2093	2094	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
70860	71225	2094	2095	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71225	71590	2095	2096	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71590	71956	2096	2097	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
71956	72321	2097	2098	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
72321	72686	2098	2099	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
72686	73051	2099	2100	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73051	73416	2100	2101	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73416	73781	2101	2102	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
73781	74146	2102	2103	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74146	74511	2103	2104	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74511	74877	2104	2105	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
74877	75242	2105	2106	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75242	75607	2106	2107	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75607	75972	2107	2108	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
75972	76338	2108	2109	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
76338	76703	2109	2110	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
76703	77068	2110	2111	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	7
Salinity (mg/L)				8500	8500	8500	8500	8500	8500	8500	8500	1000	1000	1000	1000	1000	8500	8500	8500	8500	8500	8500	8500	8500	8500	20000	20000	20000	8500	8500	8500	8500	8500	8500	

B-5b(S8b(iv)). Modelled salt load(t/d) entering the River Murray from each flow budget zone in Hogwash to Morgan (Scenario 8b(iv)) (Part 3/3)



B-5b (S8b(iv)). Graph of modelled salt load (t/d) entering the River Murray in Hogwash to Morgan (Scenario 8b(iv))

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-1 METHODOLOGY TO ESTIMATE IRRIGATION ACCESSIONS UNDERLYING IRRIGATION AREAS AND APPLICATION OF METHOD TO THE WAIKERIE TO MORGAN REGION

METHODOLOGY TO ESTIMATE IRRIGATION ACCESSIONS UNDERLYING IRRIGATION AREAS AND APPLICATION OF METHOD TO THE WAIKERIE TO MORGAN REGION

Anne Fordham[1], Renee Thompson[1], Linda Vears[1], Tony Meissner[2]

December 2011

[1] Salinity Team, Policy and Strategy Division, Department for Water

[2] Laroona Environmetrics

CONTENTS

1 INTRODUCTION 3

1.1 PURPOSE 4

1.2 PROJECT SCOPE AND DELIVERABLES 4

2 BACKGROUND 6

2.1 WAIKERIE LWMP AREA 7

2.2 QUALCO SUNLANDS LWMP AREA 10

2.3 CADELL LWMP AREA 13

2.4 TAYLORVILLE LWMP AREA 15

3 METHODOLOGY 19

3.1 OVERVIEW 19

3.2 DIRECT DATA INPUTS 20

3.3 DATA CALCULATIONS 21

3.4 MODEL SCENARIO TESTING 22

3.5 ASSUMPTIONS AND LIMITATIONS 23

3.6 APPLYING THE METHOD AT THE DISTRICT SCALE 24

4 RESULTS 26

4.1 IRRIGATION ACCESSIONS 26

4.2 SPECIFIC DISTRICT RESULTS 27

5 CONCLUSIONS 32

6 RECOMMENDATIONS 32

7 REFERENCES 33

ATTACHMENT A: WAIKERIE IRRIGATION ACCESSION CALCULATION 34

ATTACHMENT B: SUNLANDS QUALCO IRRIGATION ACCESSION CALCULATION 40

ATTACHMENT C: CADELL IRRIGATION ACCESSION CALCULATION 44

ATTACHMENT D: WAIKERIE NORTH IRRIGATION ACCESSION CALCULATION 48

ATTACHMENT E: QUALCO NORTH IRRIGATION ACCESSION CALCULATION 51

ATTACHMENT E: QUALCO NORTH IRRIGATION ACCESSION CALCULATION 51

ATTACHMENT F: CADELL NORTH IRRIGATION ACCESSION CALCULATION 54

List of Figures

Figure 1: Waikerie to Morgan region, South Australia 4

Figure 2: Location of study areas: Cadell, Qualco Sunlands, Waikerie and Taylorville LWMP Districts 5

Figure 3: Mapped changes in irrigation area for the Waikerie LWMP 1890-2010 8

Figure 4: Trends in changes in irrigation area for the Waikerie LWMP 1890-2010 8

Figure 5: Conceptual model of the hydrogeology of the Waikerie District 9

Figure 6: Mapped changes in irrigation area for the Qualco-Sunlands LWMP 1890-2010 11

Figure 7: Trends in changes in irrigation area for the Qualco-Sunlands LWMP 1890-2010 11

Figure 8: Conceptual model of the hydrogeology of the Qualco-Sunlands region 12

Figure 9: Mapped changes in irrigation area for the Cadell LWMP Region 1920-2010 14

Figure 10: Trends in change in irrigation area for the Cadell LWMP region 1920-2010 14

Figure 11: Conceptual model of the hydrogeology of the Cadell region 15

Figure 12: Mapped changes in irrigation area for the Taylorville North LWMP 1940-2010 16

Figure 13: Trends in changes in irrigation area for the Taylorville North-Cadell LWMP 1940-2010 17

Figure 14: Trends in changes in irrigation area for the Taylorville North-Qualco-Sunlands LWMP 1940-2010 17

Figure 15: Trends in changes in irrigation area for the Taylorville North-Waikerie LWMP 1940-2010 18

Figure 16: Representation of the Irrigation Accession Model 19

Figure 17: Irrigation accessions for Cadell, Qualco-Sunlands, Waikerie and Taylorville North at 1960, 1990 and 2000 27

Figure 18: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Cadell LWMP Region from 1920-2010 28

Figure 19: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Qualco-Sunlands LWMP Region from 1920-2010 28

Figure 20: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Waikerie LWMP Region from 1920-2010 29

Figure 21: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Waikerie LWMP Region from 1920-2010 30

Figure 22: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Qualco North LWMP Region from 1920-2010 30

Figure 23: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Waikerie North LWMP Region from 1920-2010 31

List of Tables

Table 1: Summary of key characteristics of LWMP districts 6

Table 2: Summary of data inputs for the Irrigation Accession Model 21

Table 3: Summary of data calculations made within the Irrigation Accession Model 22

Table 4: Irrigation accessions (ML) at 1960, 1990 and 2000 26

1 INTRODUCTION

Irrigation accessions from irrigation areas adjacent to the River Murray in South Australia are a major contributor to increased salinity levels in the River Murray and to salinisation of adjacent wetlands and floodplains. As a signatory to the Murray-Darling Basin Agreement, South Australia is required to report the impact of accountable actions to the Murray-Darling Basin Authority's (MDBA) Basin Salinity Management Strategy's (BSMS) Salinity Registers (Schedule B to the Agreement). An accountable action refers to a management action which results in an increase or decrease of more than 0.1EC in salinity as measured at Morgan over the benchmark period. The cumulative salinity impact of irrigation constitutes an accountable action.

South Australia has developed a predictive capacity to model groundwater processes using the MODFLOW platform. The MODFLOW models run time-bound scenarios to predict future salt loads and to inform understanding of the relative contribution of specific actions to past, present and future river salt loads. The MODFLOW model output is utilised to inform estimates of accountable actions for entry onto the Salinity Registers.

Four regional models have been developed which cover the River Murray from the South Australian border with Victoria/New South Wales to Wellington (see Figure 1). Three of the regional models contain subzones to capture distinct differences in hydrogeology and land management areas. The fourth regional model at Chowilla does not contain any irrigation development. The three regional models and the subzones within them have been accredited under the BSMS as fit for purpose to inform a range of accountable actions including: Mallee clearance, irrigation development (past, present and future), rehabilitation of infrastructure, improvements to irrigation efficiency and salt interception scheme benefits (where relevant).

As per Section 24 (1) and Section 39 (1) of Schedule B of the Murray-Darling Basin Agreement, models which inform Salinity Register entries are required to be reviewed at intervals of not more than 7 years. The Morgan to Lock 2 regional model was completed in 2005 and due for review in 2012.

Due to distinctive hydrogeological differences within the Morgan to Lock 3 region the regional model has now been separated into two subregion models representing the Waikerie to Morgan area and the Woolpunda area. The Waikerie to Morgan subzone area model is being reviewed and updated in 2011-12.

This technical report provides an independent line of evidence for estimating irrigation accessions underlying irrigation areas in the Waikerie to Morgan area. The estimated irrigation accession outputs will be used to confirm calculated irrigation accessions made in MODFLOW.

The irrigation accessions are calculated here based on a direct measurement of irrigation application and rainfall inputs and losses during transportation.

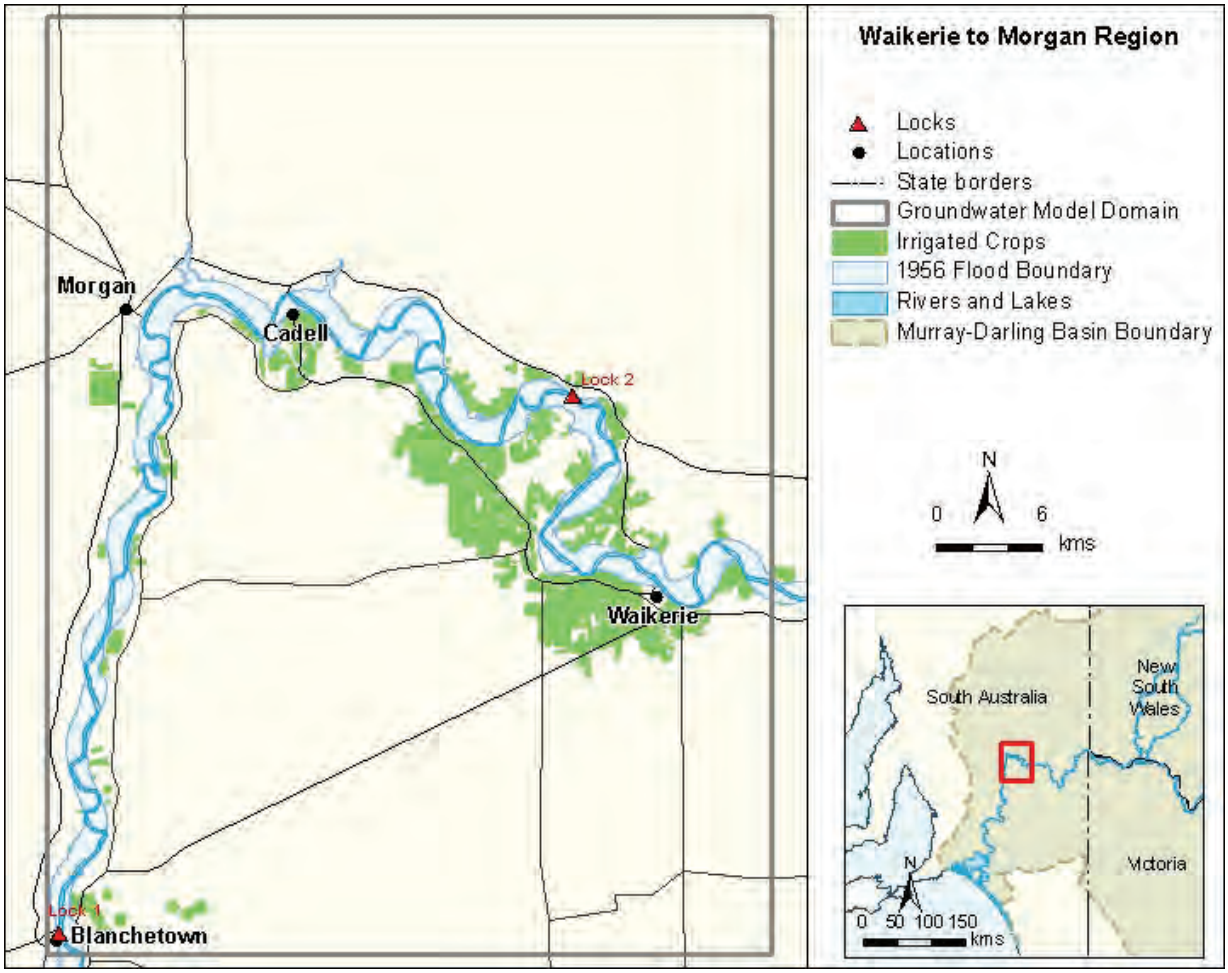


Figure 1: Waikerie to Morgan region, South Australia

1.1 PURPOSE

The overall objective of this report is to develop a robust methodology for estimating irrigation accessions underlying irrigation areas using a water balance calculation method. The secondary objective of this report is to provide detailed information and estimated levels of irrigation accession across six hydrogeological units to support numerical groundwater modelling in the Waikerie to Morgan region.

Achievement of these objectives will require:

- Documentation of the methodology employed for estimating irrigation accessions underlying irrigation areas adjacent to the River Murray using a water balance calculation method;
- Critically examining the methodology including exploring approaches for estimating rainfall and irrigation applications;
- Collating irrigation and potential losses input data for Waikerie to Morgan region;
- Applying the methodology to the Waikerie to Morgan region;
- Recommending future requirements for improving the capacity to implement the water balance calculation method to estimate irrigation accessions across the River Murray in South Australia.

1.2 PROJECT SCOPE AND DELIVERABLES

The water balance calculation methodology was previously developed and applied within the Loxton-Bookpurnong area to estimate irrigation accessions for the Loxton-Bookpurnong numerical groundwater model (Meissner 2011b).

The scope of this report is to document the methodology, critically examine the methodology and to apply the methodology to the Waikerie to Morgan region. The Waikerie to Morgan region has been divided into areas representing the Land and Water Management Planning districts of Waikerie, Qualco Sunlands, Cadell and Taylorville. As the Taylorville LWMP represents the entire area north of the River it was decided to split this area into three so that it corresponds with the LWMP boundaries south of the River (Figure 2).

The methodology does not account for Salt Interception Scheme drainage or drainage bores that drain water directly into the regional groundwater systems.

The key deliverables for this project are:

- This report, which describes the project, methodology, results and recommendations for improvement; and
- Tables of outputs and interpretive graphs for estimating irrigation accessions within the Waikerie, Waikerie North, Qualco Sunlands, Qualco Sunlands North, Cadell and Cadell North areas.

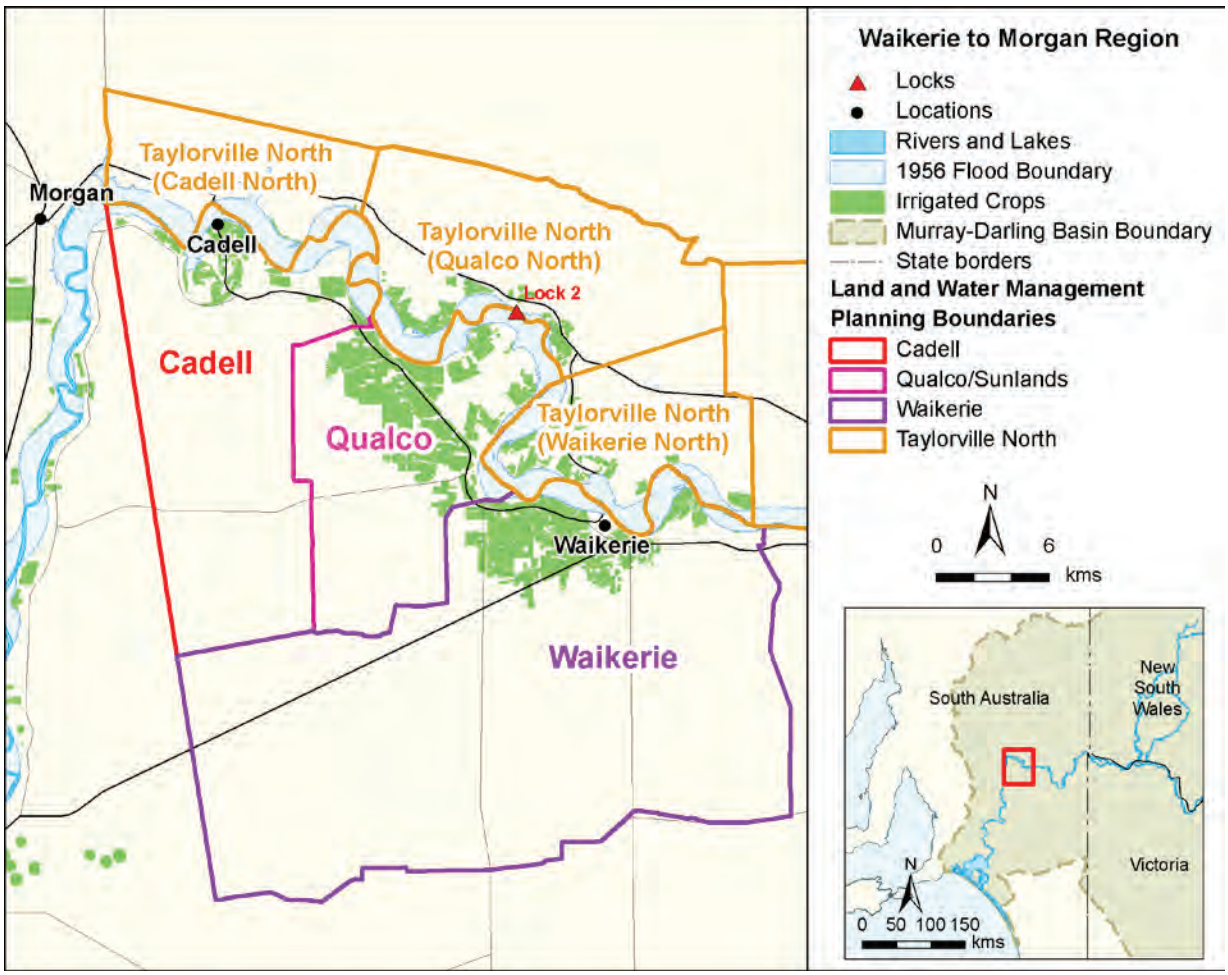


Figure 2: Location of study areas: Cadell, Qualco Sunlands, Waikerie and Taylorville LWMP Districts

2 BACKGROUND

A range of background material has been compiled for the development and implementation of the water balance calculation including:

- Conceptual models of the hydrogeology of different hydrogeological unit, the location and influence of irrigation and related infrastructure;
- Location and description of LWMP districts and of their irrigation history including commencement date of irrigation, crop types, delivery infrastructure and management of excess drainage water; and
- Historical information on crop areas and types including spatial location for each irrigation districts.

This section provides an overview of the LWMP districts that are of relevance to the methodology including description, irrigation history and changes in crop area through time. A summary table is provided in Table 1.1.

Table 1: Summary of key characteristics of LWMP districts

Area	District Area (Ha)	Peak Irrigation Area (Ha) (2010)	Private or Trust Area	Irrigation Commenced	Water Delivery	Rehabilitation of delivery infrastructure	Caisson Drainage or Water Drainage Re-use
Cadell	20,853	902	Trust and Private	1922	Centralised in CIT	1996	Comprehensive Drainage and Caisson System from 1922
Qualco South	15,357	3,697	Private	1920, major development after 1950	Centralised in GHIT and CIT	None-modernized from inception	Drainage re-use from 1990's.
Waikerie South	49,676	2,983	Trust and private	1890	Centralised in GHIT and CIT	1976	None. Tile and Drainage bores but directly into regional groundwater
Taylorville	32,554		Trust and private	1940	Individually Piped	No major rehabilitation	None. Tile and Drainage bores but directly into regional groundwater
Cadell North	8,076	36					
Qualco North	15,240	687					
Waikerie North	9,238	1,106					

The approach for the collection of crop area information is provided in the methodology (refer section 2.2).

In summary, crop areas increased significantly through time reflecting new irrigation development, including the opening up of new irrigation areas and increases in the size of existing developments. Trends show that the rate of irrigation development increased greatly in the 1960s and then increased again at a higher rate between 1990s- 2000s. Irrigation development then declined after the early 2000s during the Millennium Drought. Specific details for irrigation history and changes in crop area for each of the LWMP districts are provided below.

2.1 WAIKERIE LWMP AREA

2.1.1 Location and Irrigation History

The Waikerie LWMP region is bounded by the River Murray to the north and extends from the Waikerie aerodrome in the east to the outskirts of the Stockyard Plains Disposal Basin in the west.

Waikerie South includes the township of Waikerie and three main irrigation areas: Ramco Heights, Golden Heights and Waikerie Irrigated Area. The area contains private diverters, Central Irrigation Trust areas and the Golden Heights Irrigated Area a separate trust.

Irrigation commenced in the mid 1890's at the settlements of Holder, Waikerie and Ramco.

The Waikerie Irrigated Area was proclaimed in 1912 comprising the Divisions of Holder, Waikerie and Ramco (Newman et al 2011).

To reduce waterlogging and salinization of soils after irrigation commenced, drainage water has been disposed of via bores with 300-400 constructed in the Waikerie area (Smith & Watkins, 1993). For the trust areas, rehabilitation of the irrigation distribution systems from open channels to pressurized pipes was completed in 1976 including the installation of meters (Smith & Watkins, 1993).

The Golden Heights Irrigated Area was started in 1958 after the 1956 floods to establish affected irrigators on land above future floods. Ramco Heights was established in 1962 (Smith 2005). A series of sub-surface drains were installed in these areas with drainage water gravitating into bores and into regional groundwater systems (Upper Murray Group aquifer).

The Waikerie SIS, with disposal to Stockyard Plain Disposal Basin, was commissioned in December 1992.

2.1.2 Assessed Changes in Irrigation Area

Irrigation development began in the late nineteenth century and increased significantly after the establishment of the Waikerie area in 1920. New irrigation districts were established in the early 1960s in the highland areas with significant increases in irrigation areas between the 1960s-1970 (Figures 3 and 4). The Waikerie district has a sizeable area of irrigation peaking at 3,000 ha in the early 2000s.

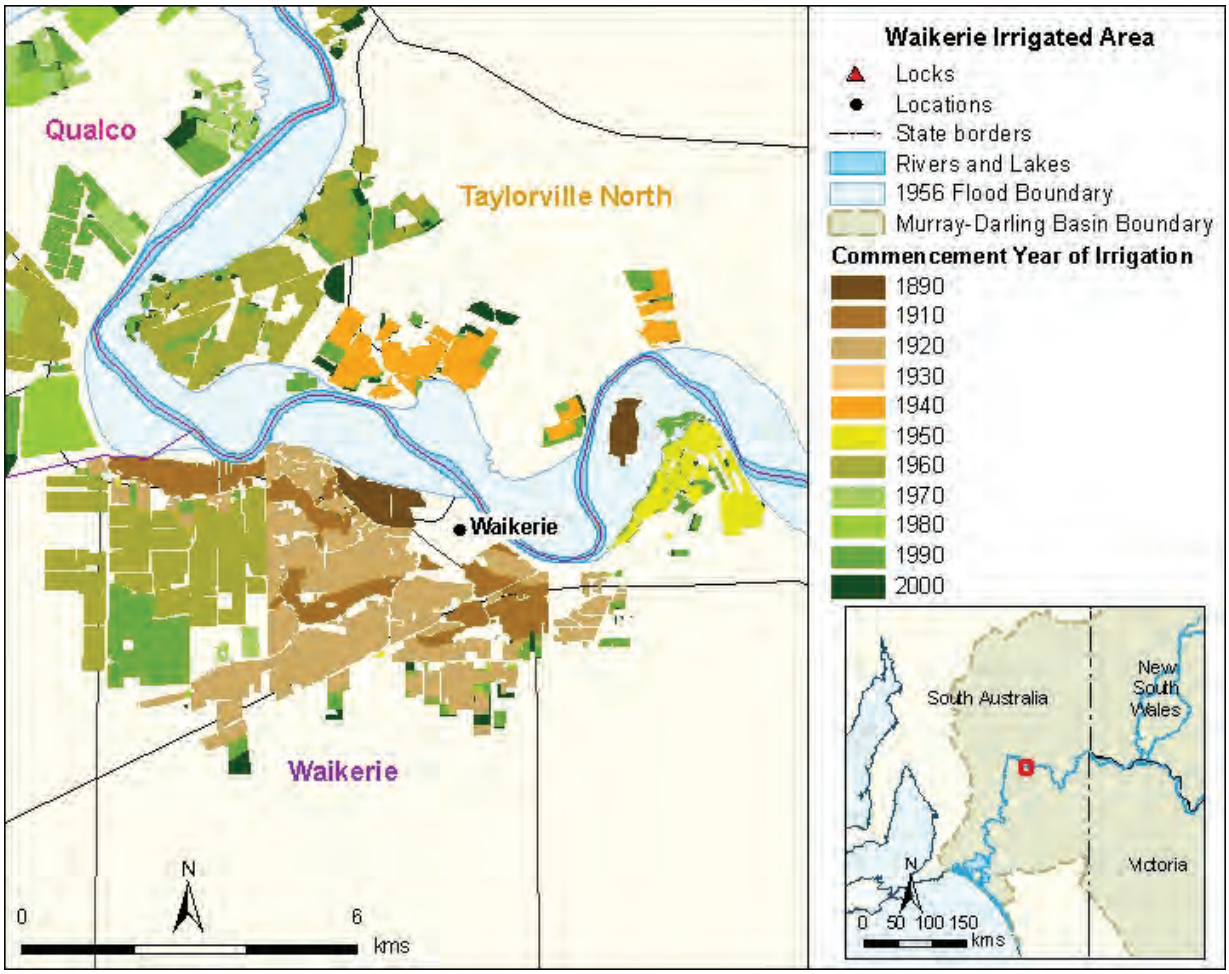


Figure 3: Mapped changes in irrigation area for the Waikerie LWMP 1890-2010

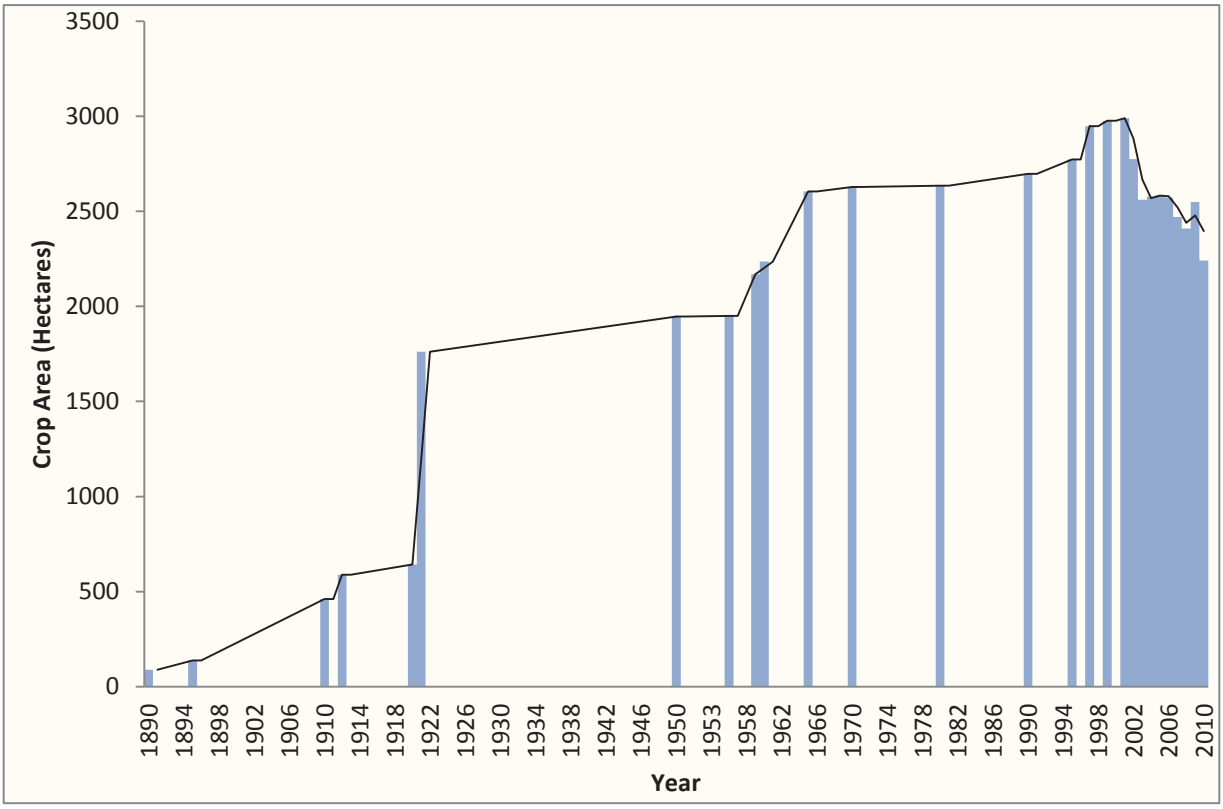


Figure 4: Trends in changes in irrigation area for the Waikerie LWMP 1890-2010

2.1.3 Conceptual Model of the Hydrogeological System

Irrigation within the Waikerie district is predominantly in the highland areas with some irrigation occurring on the slope (Figure 5). Due to excessive irrigation and the presence of a clay layer within the highland region a perched aquifer has been created resulting in cliff seepage with consequent salinity impact on the river and soils.

Drainage bores have been constructed across the region in response to the perched groundwater and drain directly into the Murray Group Limestone (Glenforslan aquifer). Groundwater recharge is a result of a combination of drainage bores and leakage directly beneath the irrigation area. The drainage bores speed up the time lag of recharge of the aquifer but are not a component of the water balance model.

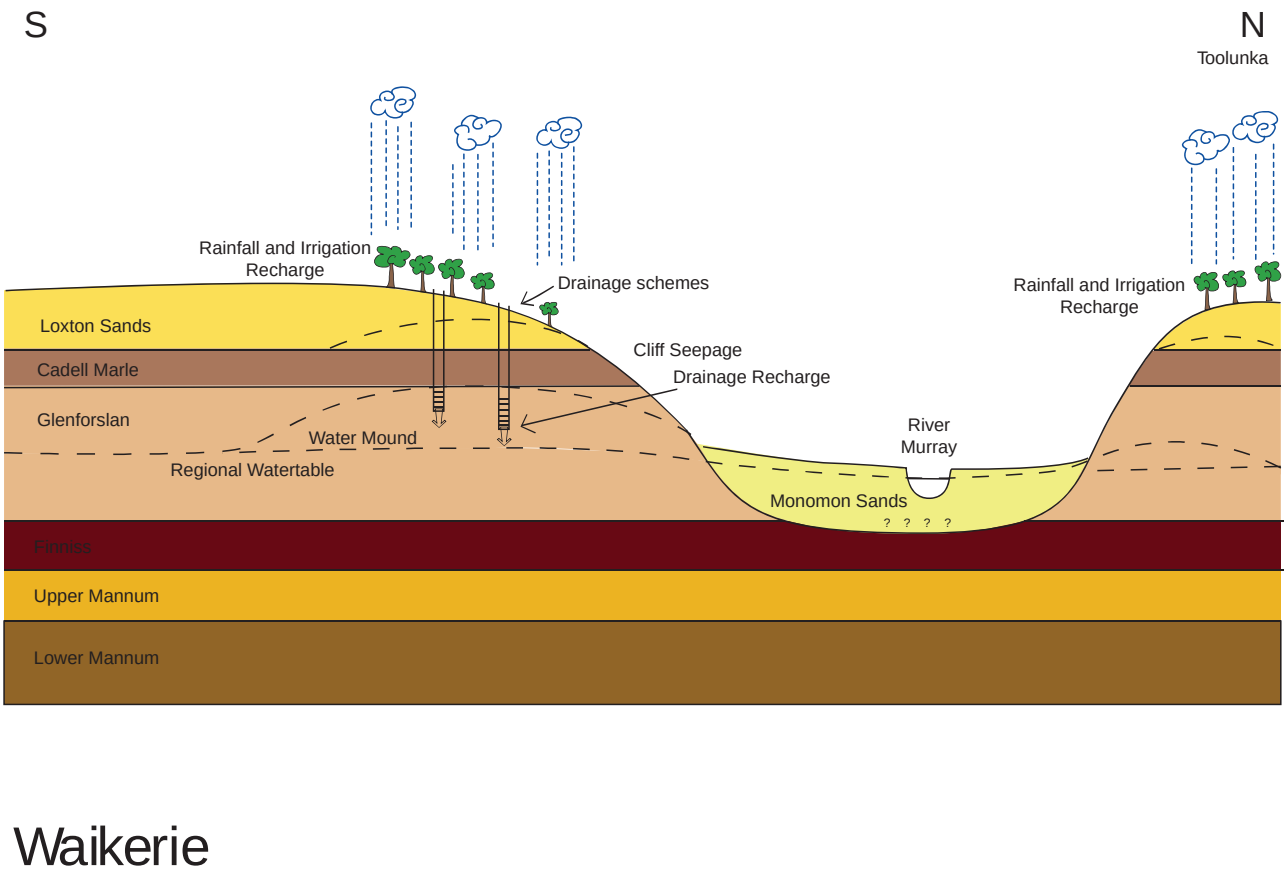


Figure 5: Conceptual model of the hydrogeology of the Waikerie District

2.2 QUALCO SUNLANDS LWMP AREA

2.2.1 Location and Irrigation History

The Qualco-Sunlands LWMP region is bounded by the River Murray to the north and extends from Ramco Lagoon in the east to Hogwash Bend in the west. It includes the Sunlands and Golden Heights Irrigation area and significant areas of the River Murray floodplain.

Irrigation development began in the 1920s but was relatively small until the 1950s when Golden Heights was developed. Further development occurred in 1961 with the establishment of Sunlands South and then Sunlands North in 1962.

Perched water tables developed early in the region due to irrigation. Initially, excess water was disposed of by drilling drainage bores to drain into the regional groundwater aquifer. However, this became increasingly ineffective over time (Newman et al 2010) resulting in lateral seepage affecting properties some distance away from the locus of the groundwater mound.

In the 1990s a drainage re-use scheme was developed with drainage water pumped to land adjoining the south-west side of the irrigation district where it is re-used for crop production such as lucerne (Smith et al, 1993).

A groundwater control scheme was then constructed in 2001 with drainage to Stockyards Plains Disposal Basin.

Initially, Sunlands was predominantly planted to citrus and stonefruit but in the late 1990s winegrapes and vegetables became increasingly important crops. Winegrapes continue to be the predominant crop in the Qualco area.

2.2.2 Assessed Changes in Irrigation Area

The Qualco-Sunlands district has an irrigation development peaking at over 3,700 hectares. Irrigation development was relatively insignificant until the mid 1940s. A large acceleration of irrigation development occurred after the 1960s with the establishment of Sunlands South and then Sunlands North in 1962. Irrigation developments continued to further increase and develop up to the early 2000s (Figures 6 and 7).

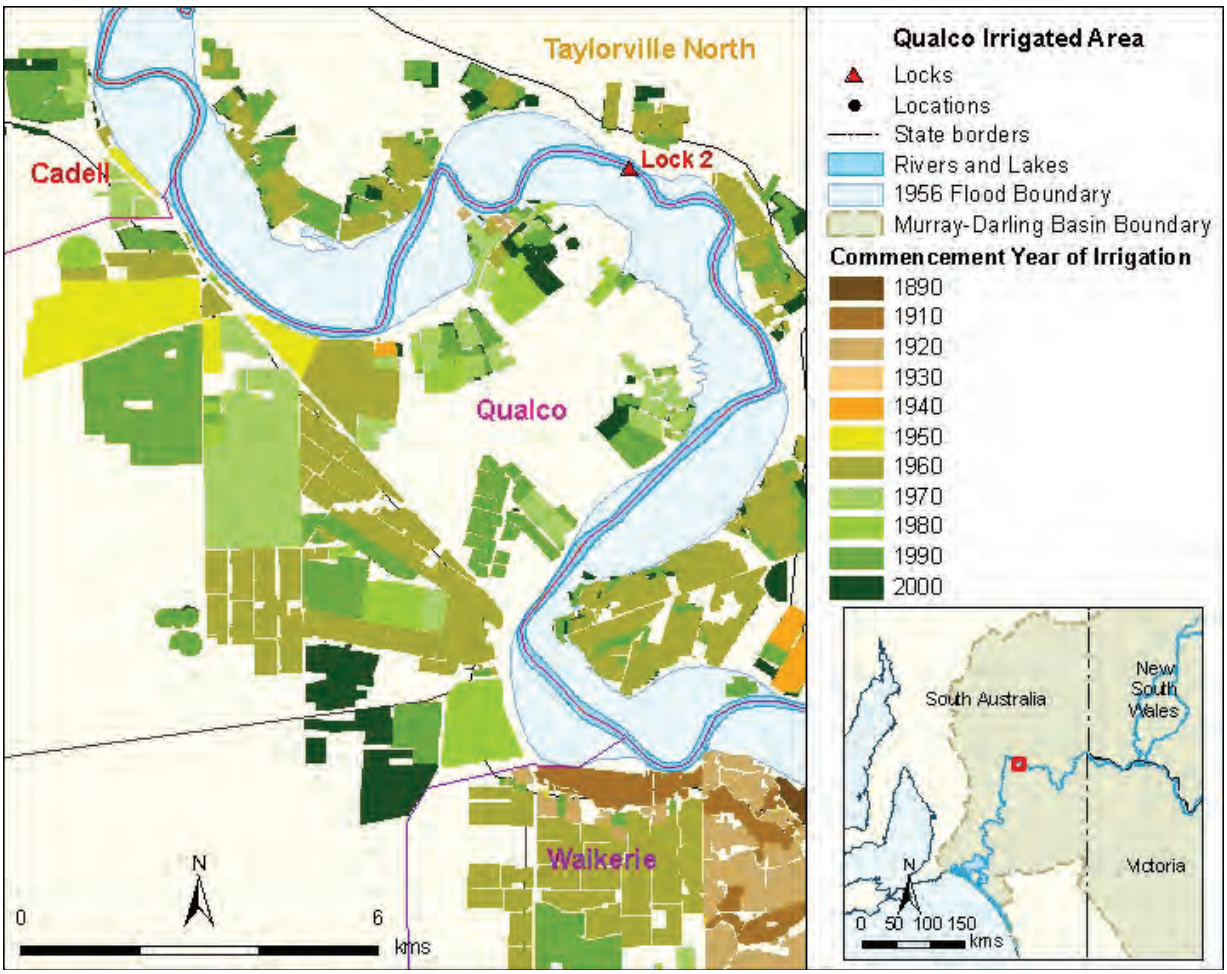


Figure 6: Mapped changes in irrigation area for the Qualco-Sunlands LWMP 1890-2010

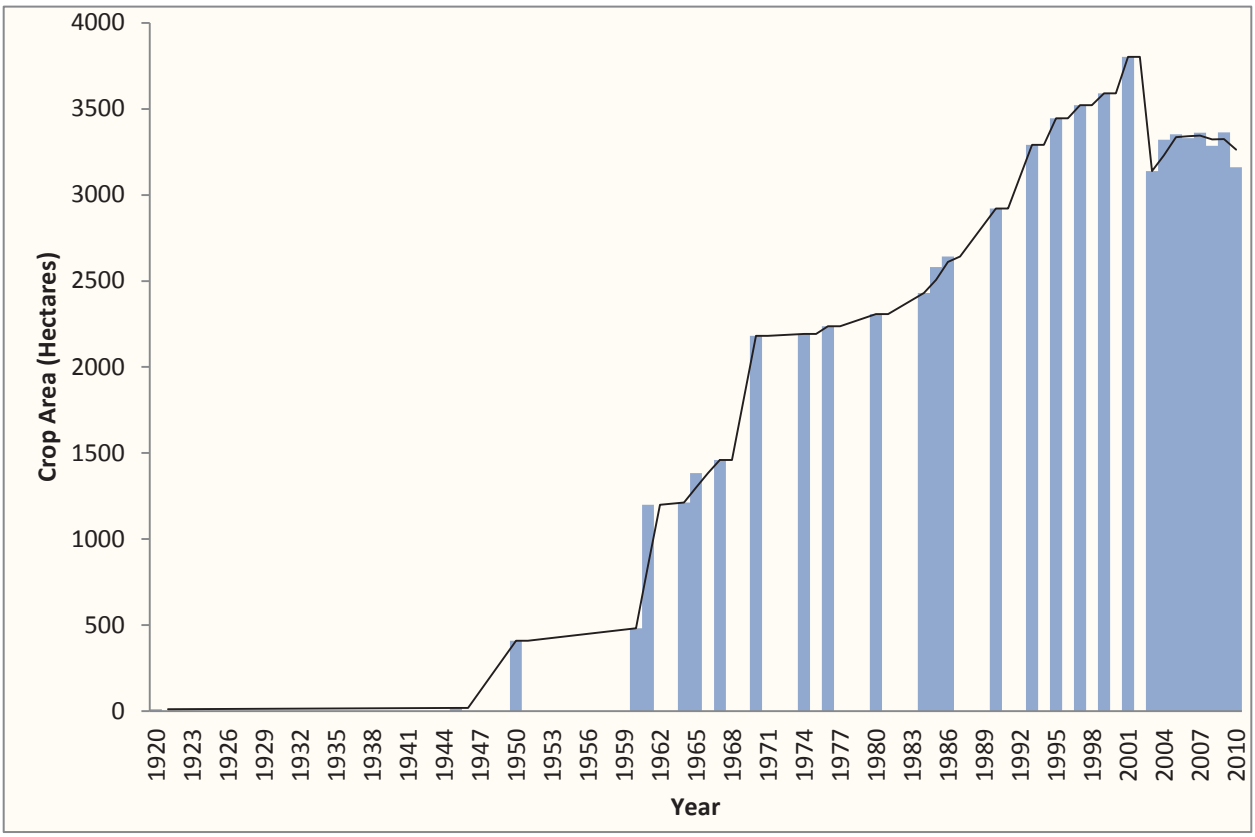


Figure 7: Trends in changes in irrigation area for the Qualco-Sunlands LWMP 1890-2010

2.2.3 Conceptual Model of the Hydrogeological System

Irrigation within the Qualco district is found in the highland areas (Figure 8). Due to a thin or absent clay layer, irrigation has created a perched aquifer and also cliff and lowland seepage with subsequent salinity impact on river and soils. To manage the direct impact of this perched watertable drainage bores have been constructed in the middle of the Qualco region with discharge to Stockyard plains. There is also a very small drainage re-use scheme within the region.

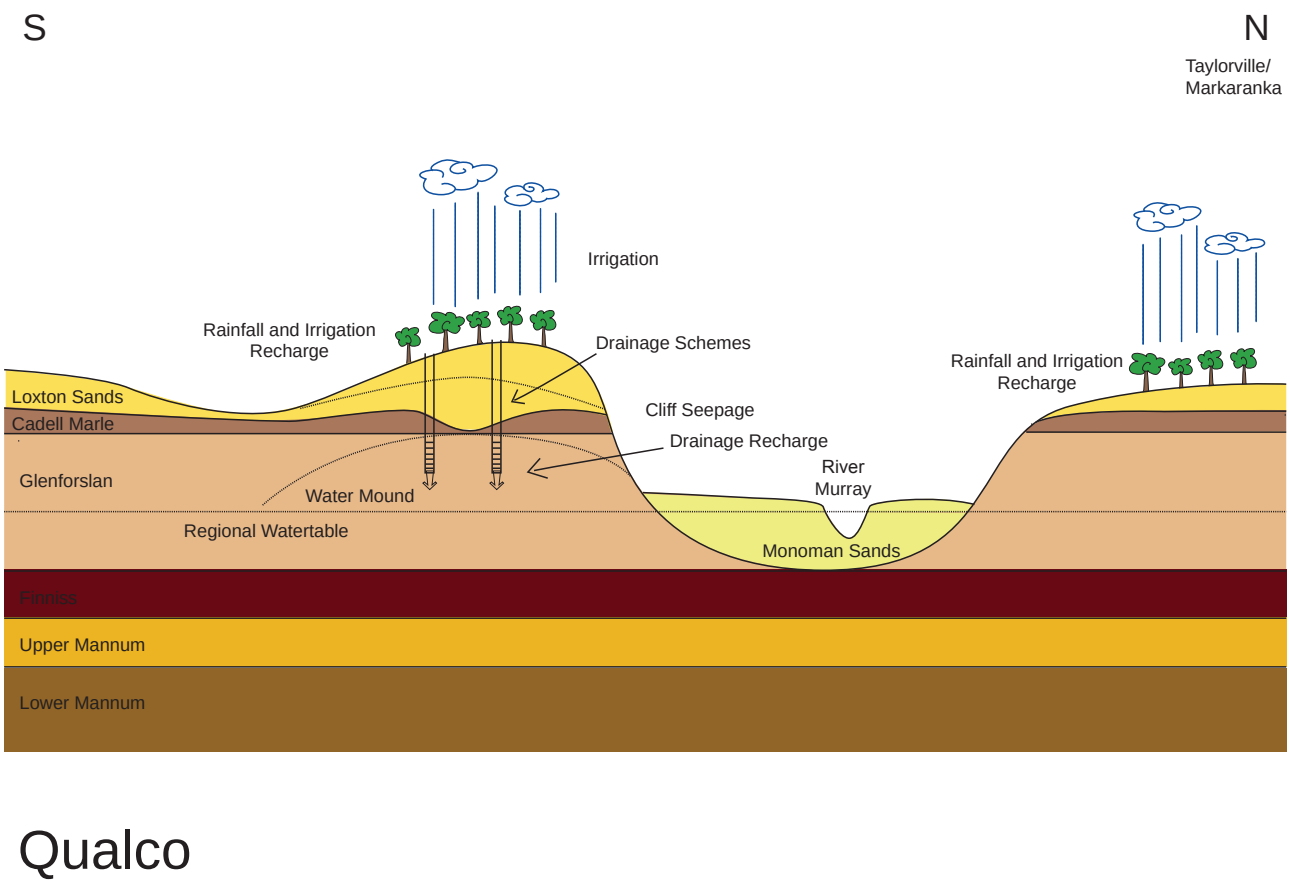


Figure 8: Conceptual model of the hydrogeology of the Qualco-Sunlands region

2.3 CADELL LWMP AREA

2.3.1 Location and Irrigation History

The Cadell Land and Water Management Planning (LWMP) district is bounded by the River Murray in the North and extends from Hogwash Bend in the east to the Morgan Conservation Park in the west. It includes the township of Cadell and irrigation areas primarily located on the floodplain adjacent to the River Murray in the northern part of the district.

A significant part of the area is within the Cadell Central Irrigation Trust with central delivery of water to irrigators. However, since the early 2000s there has also been an increase in the number of private diverters developing within the region and pumping directly from the river.

The Cadell Irrigation Area was opened in 1920 as a post World War 1 Service Land Settlement Scheme. To manage excess drainage water a comprehensive irrigation drainage system was installed in 1922 to remove sub-surface drainage and included drainage caissons. This was re-furbished in 1976 and covers approximately 290 hectares.

The water delivery infrastructure for the trust area was primarily rehabilitated from open channel to pipes in 1996. After rehabilitation water delivery became more flexible with water on demand.

2.3.2 Assessed Changes in Irrigation Area

The Cadell district has a comparatively smaller area of development when compared to the other districts within the Waikerie to Morgan model. Irrigation began in 1920-1930's as part of a post World War 1 Service Land Settlement Scheme and gradually increased after that time with the rate of irrigation development being highest between the 1960s and 1990s (Figures 9 and 10).

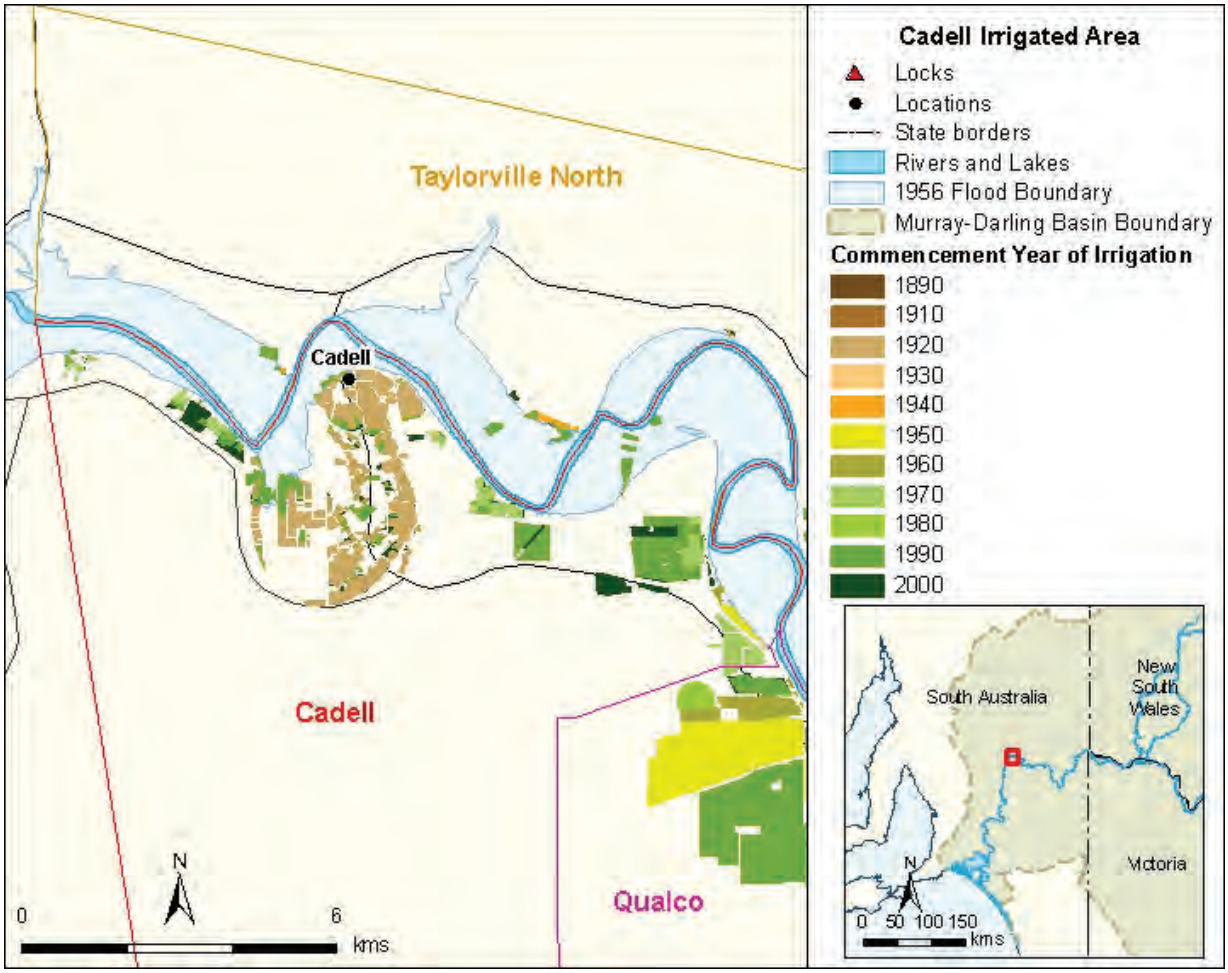


Figure 9: Mapped changes in irrigation area for the Cadell LWMP Region 1920-2010

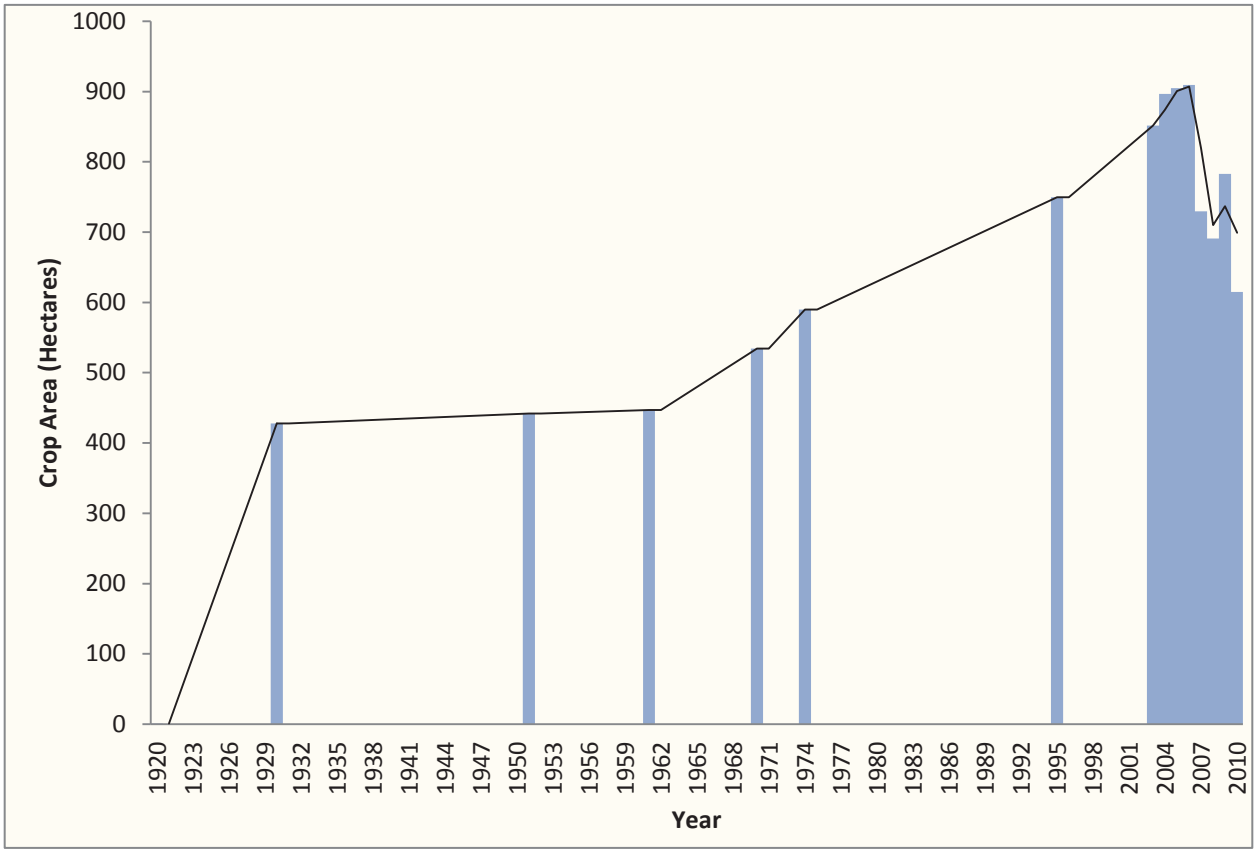


Figure 10: Trends in change in irrigation area for the Cadell LWMP region 1920-2010

2.3.3 Conceptual Model of the Hydrogeological System

The irrigation within the Cadell region is located on the floodplain. As a result, the watertables under the irrigation region rose within a few years after commencement. Consequently a drainage system has been constructed within two metres of the surface to control groundwater levels with disposal to drainage caissons (Figure 11) to manage the watertable for needs of irrigation.

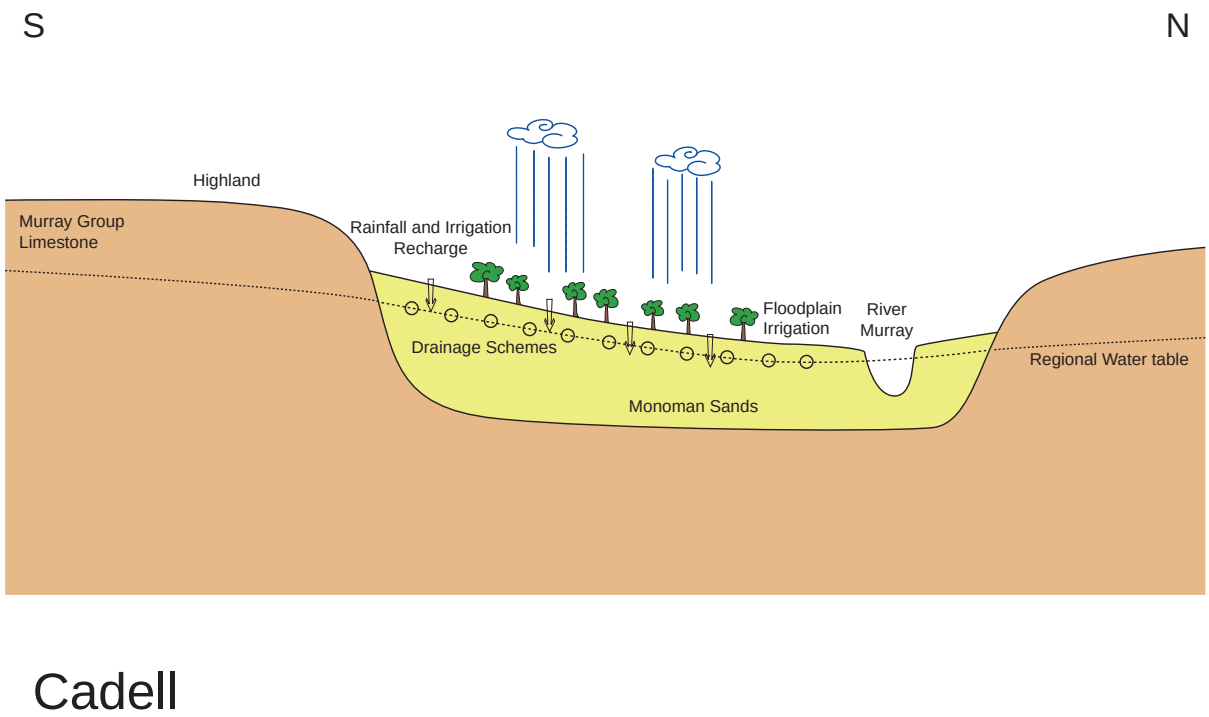


Figure 11: Conceptual model of the hydrogeology of the Cadell region

2.4 TAYLORVILLE LWMP AREA

2.4.1 Location and Irrigation History

The Taylorville LWMP region has been delineated into three distinct regions for the purposes of the irrigation accession calculations, namely Cadell North, Qualco North and Waikerie North which are directly north of the equivalent LWMP districts located south of the River Murray.

The region is situated on the northern side of the River Murray and extends from the Waikerie township in the east to the township of Morgan in the west. The region incorporates Maize Island and includes the Markaranka region.

Irrigation in the Taylorville North area extends upstream and downstream of Lock 2 and includes the Toolunka Irrigation Area.

The district consists primarily of private diverters who pump directly from the River Murray with the majority installing pipes up-front. The former Government Highland Areas have been rehabilitated but are only a small proportion of the area (Riverland West Local Action Planning 2000).

Management of excessive drainage water has been through an extensive system of tile drains which drain directly into the Morgan Limestone groundwater system (Riverland West Local Action Planning 2000).

2.4.2 Assessed Changes in Irrigation Area

Irrigation development began in the 1940s in Cadell North and Waikerie North and in 1960 for the Qualco North district (Figure 12).

The Taylorville-Cadell North district has a very small area of irrigation development peaking at just over 40 hectares in the early 2000s (Figure 13). Irrigation began in the Qualco North district in the 1960s and was more substantial but showed a similar trend to Taylorville-Cadell North (Figure 14). Irrigation began in the Taylorville-Waikerie North district in the 1940s and showed similar trends to the other districts in Taylorville (Figure 15).

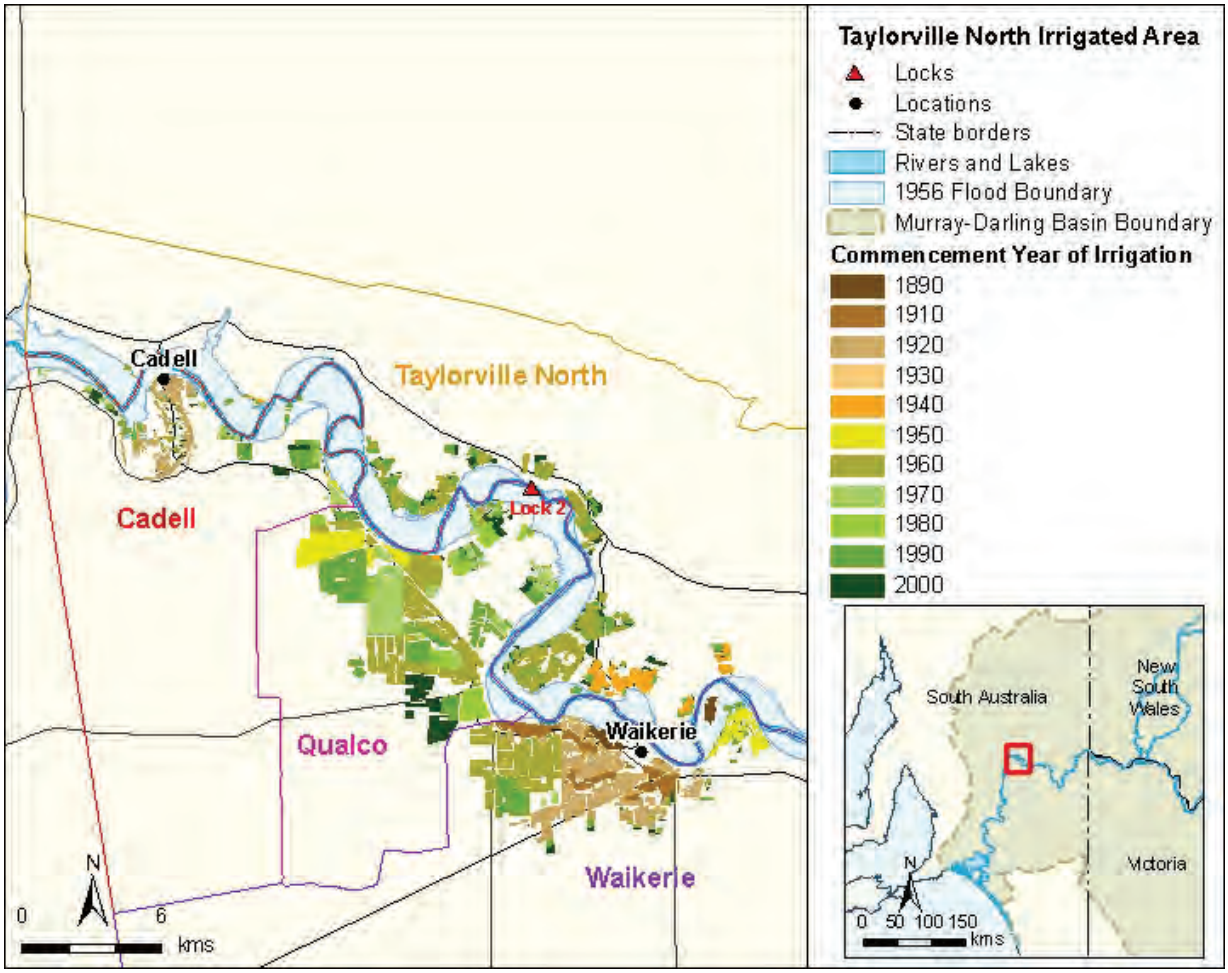


Figure 12: Mapped changes in irrigation area for the Taylorville North LWMP 1940-2010

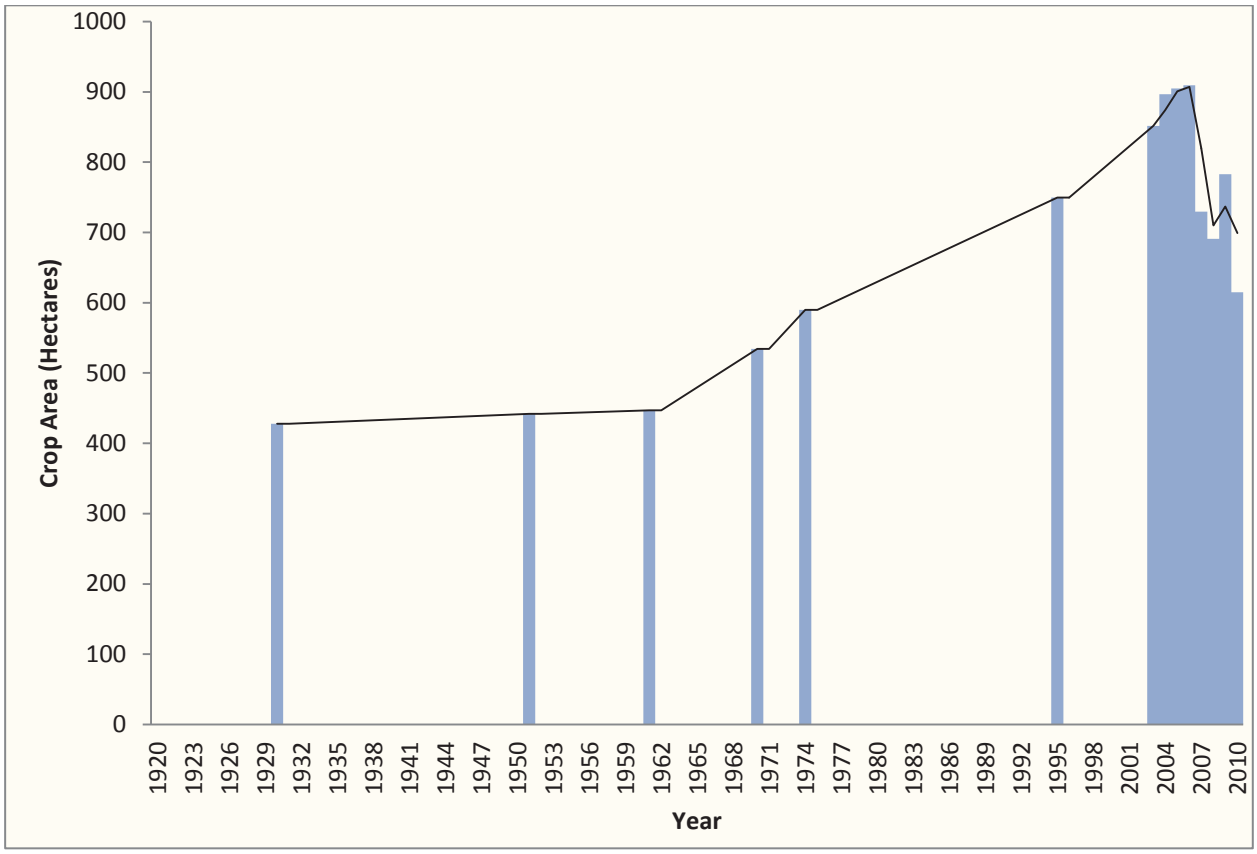


Figure 13: Trends in changes in irrigation area for the Taylorville North-Cadell LWMP 1940-2010

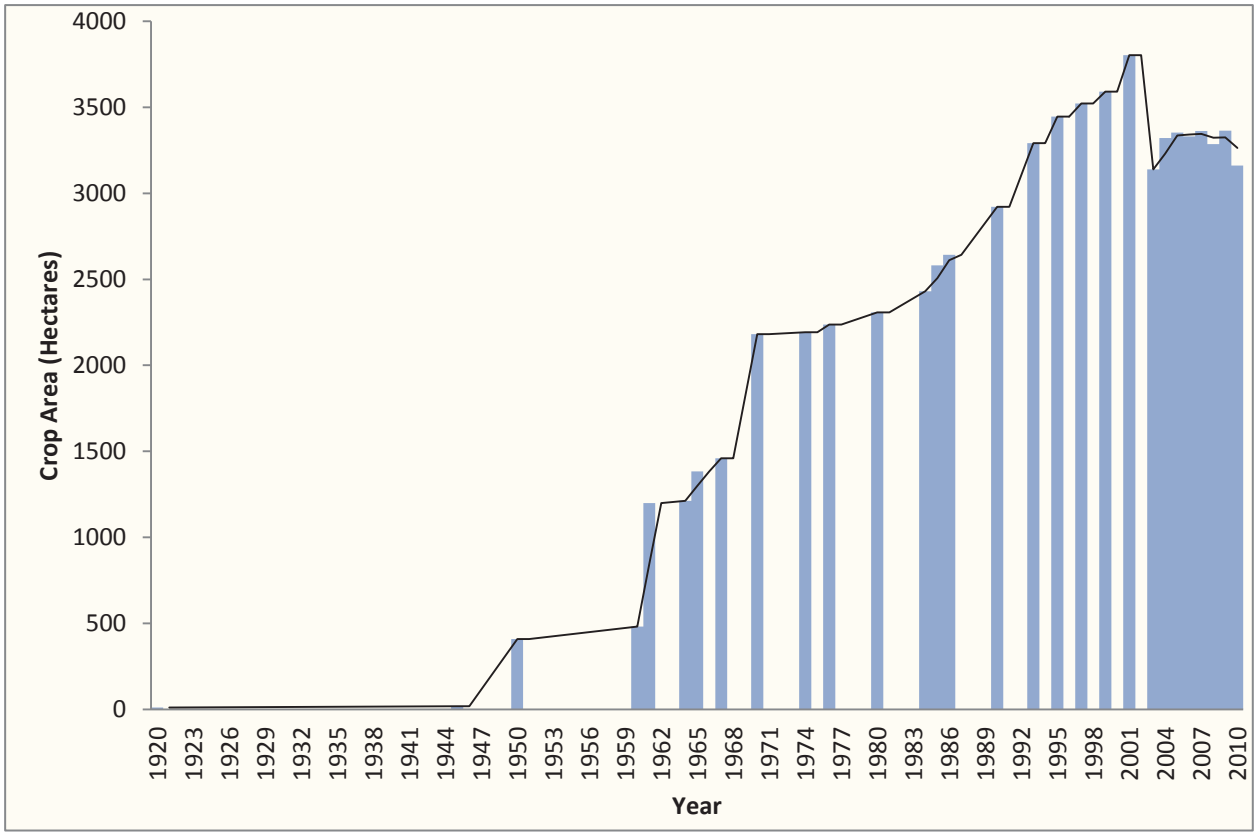


Figure 14: Trends in changes in irrigation area for the Taylorville North-Qualco-Sunlands LWMP 1940-2010

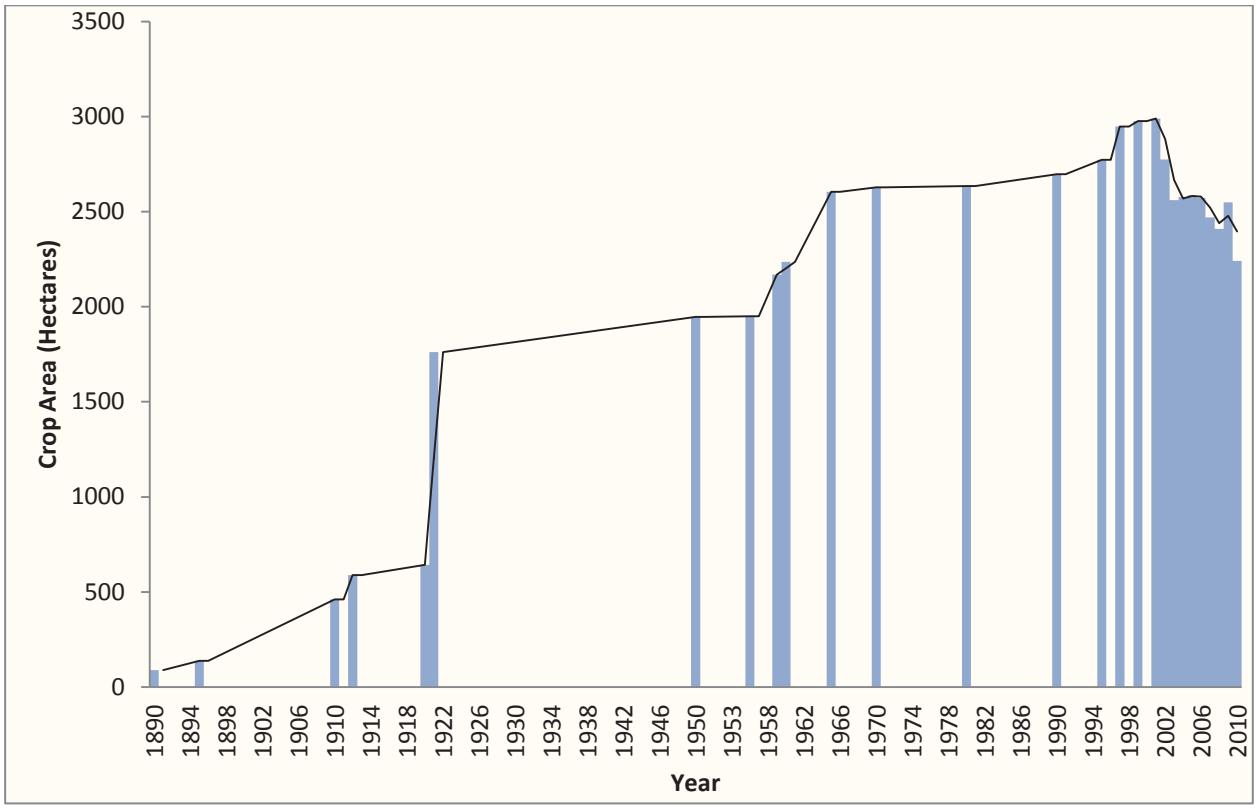


Figure 15: Trends in changes in irrigation area for the Taylorville North-Waikerie LWMP 1940-2010

2.4.3 Conceptual Model of the Hydrogeological System

Irrigation commenced later in Taylorville than some of the other districts and began with better irrigation practices. Development has not been extensive and occurs in highland areas. As a result impacts on groundwater systems have been less with a lower level of groundwater mounding. There is a small amount of groundwater mounding within the district but confirmation is required to determine its full extent. The conceptualization of the Taylorville area is shown on the northern side of the Waikerie and Qualco figures previously shown (Figures 5 and 8).

3 METHODOLOGY

3.1 OVERVIEW

Irrigation accessions are estimated based on a water balance methodology which traces water moving through the landscape. The key starting inputs are rainfall and irrigation water applied.

The method is applied annually from the commencement date of irrigation where estimates of crop areas are available.

Rainfall and irrigation inputs are converted to a total volume (ML) for each irrigation district.

The method then calculates reductions in these total volumes due to:

- transmission and seepage losses from open irrigation channels prior to rehabilitation to conversion to pressurised underground pipe infrastructure in former Government Highland Irrigation Trust areas (now Central Irrigation Trust districts);
- losses due to water uptake by crops and losses due to evaporation; and
- losses due to drainage collection through caissons or drainage schemes.

This results in an estimation of irrigation accession volumes (ML) in each area.

A flow diagram is provided to illustrate how the model tracks and models water movement through the landscape (Figure 16)

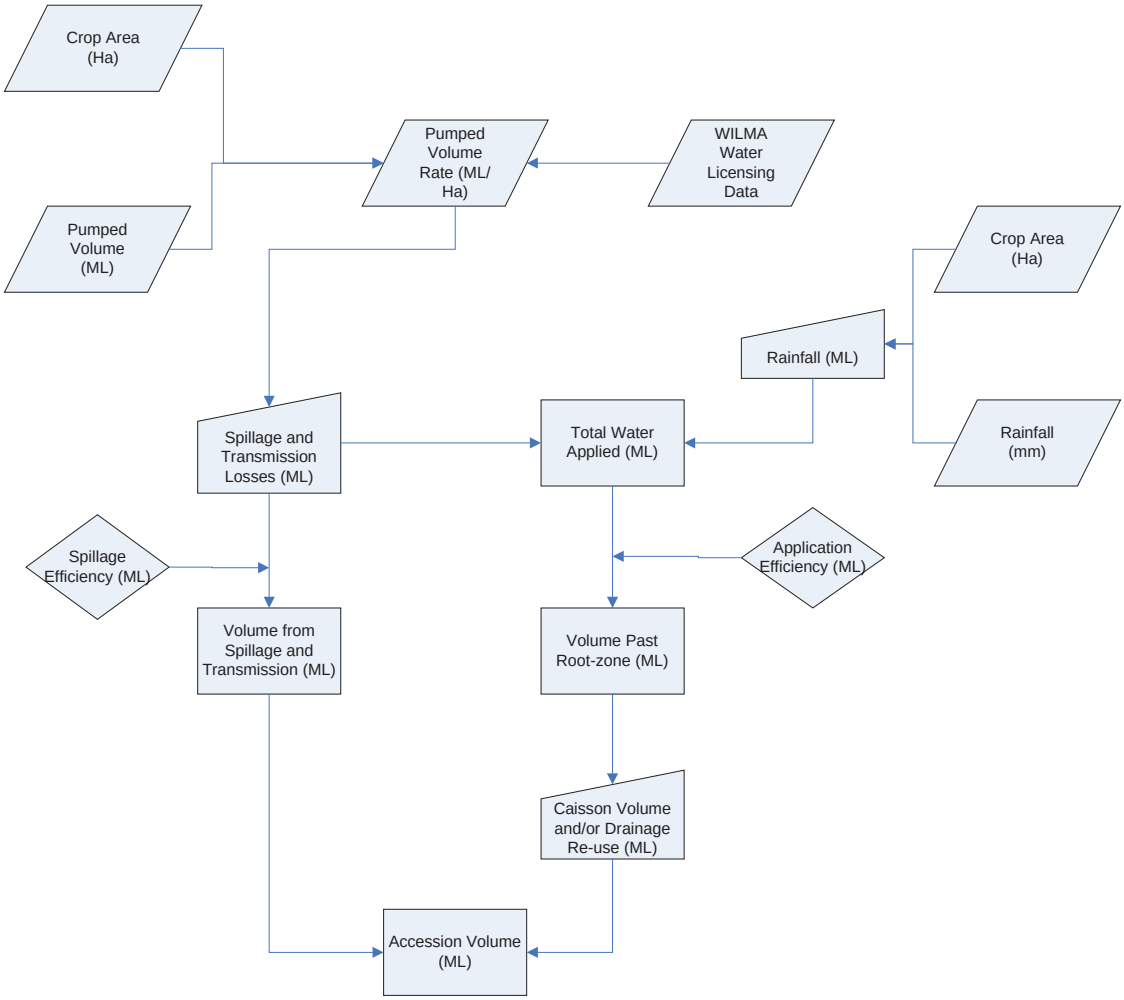


Figure 16: Representation of the Irrigation Accession Model

3.2 DIRECT DATA INPUTS

Key data inputs for the method include rainfall, crop area, pumped volumes, application efficiencies and caisson/drainage re-use volumes. The origins of the data are described below (refer to Table 2 for summary).

3.2.1 Description of key data inputs

Rainfall (mm): rainfall data was sourced from the Bureau of Meteorology web-site to the nearest available weather station.

Crop area (ha): crop areas were estimated based on interviewing irrigators with relevant knowledge of historical crop areas, examination of aerial photos and by referenced reports. After 2001 crop areas were derived from GIS mapping based on crop surveys undertaken by Local Action Planning groups and managed by South Australia Management Resource Information Centre. There were significant data gaps particularly in some of the early data necessitating linear interpolation of data to smooth between data points.

Pumped volume (ML): estimated pre 1991 due to a lack of available water volumes. After 1991 it was derived directly from the Department for Water's WILMA licensing systems. The licensing data was spatially mapped to accurately determine specific pumped volumes for each modelling unit.

Pumped Volume Application (ML/ha): These were derived from Newman et al 2010 and then modified based on local knowledge and experience by Tony Meissner (pers. comm.) to account for specific crop types within a given district.

Application Efficiency: a key input for determining volume of water applied was derived from Newman et al 2010 and these were specific for each district.

Caisson Volumes/Drainage: Re-use Volumes were directly measured in the Cadell and Qualco Sunlands districts. Caisson data was estimated for years prior to 1997 due to lack of data using a derived relationship between pumped volumes and caisson drainage. After 1997 caisson data was available from Central Irrigation Trust.

Data on drainage pumped for water re-use was also sourced from Qualco Sunlands from 1992 onwards. In the case of missing data, data was interpolated between known data points.

In the case of Pumped Water Volumes and Pumped Application Rates some adjustments were made to the directly inputted data in order to ensure consistent trends were seen from year to year.

Table 2: Summary of data inputs for the Irrigation Accession Model

Data	Source of Data	Level of Accuracy/Data Confidence	Data Interpolation/Calculation	References/Data Source
Crop Area (Hectares)	Direct Pre 2001 estimation from interviews Post 2001 SAMRIC Crop Survey Information	10% degree of accuracy but less for interpolated data.	Yes,	Newman et al 2010
Pumped Volume (ML)	Estimated Pre 1991 Direct post 1991	10% accuracy based on accuracy of water meters	Yes pre 1991, estimated based on Crop Area and estimated Pumped Volume Application.	South Australian Murray Resource Information Centre
Pumped Volume Rate (ML/ha)	Estimated based on crop types in districts and findings of Newman et all 2010	20% accuracy particularly for historical applications	No	Newman et al 2010
Rainfall	Directly measured	100% accurate	No	BOM Website
Application Efficiency	RootZone Drainage Report	40% accuracy	Yes- Pre 1960's	Newman et al
Drainage Re-use/Caisson Volumes	CIT, Sunlands Qualco Trust.	20% accuracy	Yes- Caisson data pre 1996, Drainage re-use pre 1989-2000.	Central Irrigation Trust Qualco Sunlands Trust

3.3 DATA CALCULATIONS

A range of parameters were calculated within the model derived from direct data inputs or calculated data using accepted/published methodologies and are described below (refer to Table 3 for summary).

3.3.1 Description of key data calculations

Transmission and spillage losses (ML): of pumped volumes were calculated based on taking a fixed percentage of pumped volumes following a methodology established by Ayars (1991). This was applied in districts with open channel (non-rehabilitated) mainline delivery systems in trust areas where irrigators where supplied centrally. The percentages used were consistent with those used in the Loxton groundwater model and reflective of soil types and delivery systems and considered to have a level of accuracy of +/- 10% (T. Meissner pers. comm.).

Rainfall (ML): two methodologies were utilised (see Section 3.4). Firstly, Total rainfall was calculated and secondly Effective Rainfall (see Table 3 and Section 3.4).

Volume past the rootzone (ML): calculated taking into account the estimated application efficiency following a standard methodology and also an alternative methodology using effective rainfall.

Accession from transmission and spillage losses (ML): estimated based on a fixed percentage value based on Ayars (1991).

Total accessions (ML): calculated based on summing estimated accessions from irrigation and spillage and transmission and subtracting any known caisson/drainage volumes.

Table 3: Summary of data calculations made within the Irrigation Accession Model

Data	Calculation	Reference
Transmission and spillage losses (ML).	Pumped Volume X 0.15	Ayars (1991)
Total rainfall (ML)	(Rainfall (mm) X Crop Area) /1000	
Effective Rainfall	(Rainfall (mm) X Crop Area)/1000 X 0.6	
Total Water Applied (ML)	(Pumped Volume (ML) + Rainfall (ML))- Spillage (ML)- Transmission Losses	
Volume past root-zone (ML)	Total water applied X (1- Irrigation Efficiency)	
Accession from Spillage and Transmission losses	Spillage X 0.4 Transmission X 0.2	
Accession	= (Volume past rootzone- accession)+ Accession from Spillage and Transmission Losses – (Caisson/Re-use Drainage)	

3.4 MODEL SCENARIO TESTING

Scenario testing was confined to testing the influence of the rainfall input, namely whether irrigation accession volumes would vary greatly depending on whether rainfall was defined as normal or effective.

3.4.1 Total Rainfall

In this methodology all rainfall is considered to be an input into the model.

That is, all rainfall is combined with irrigation water applied and multiplied by irrigation efficiency measure to determine water volume past the rootzone. In effect, rainfall is considered as another irrigation event.

This method allows consistency with estimates used in previous water balance models. However, this does not take into account the high rates of evaporation within the Mallee environment and that small amounts of rainfall are likely evaporated before any deeper penetration of the rainfall occurs to the root zone of horticultural plantings. Hence the likelihood that significant amounts of rainfall may not be available to the plant.

3.4.2 Effective Rainfall

Effective Rainfall is defined as "the part of rainfall that can be used to meet the evapotranspiration of growing crops. It does not include any rainfall that is evaporated from the soil surface or runoff".

FAO has determined under arid conditions that a value of 0.6 or 60% of total rainfall is an appropriate figure to use for arid and semi-arid irrigated environments (Dastane, 1978*)*. In the semi-arid Mallee environment it has been estimated that under some circumstances of soil moisture content and irrigated horticulture cultural practices about the first 5-7 mm of rainfall might not be effective (Adams pers. Comm. 2011). However, there has been no definitive measurement of Effective Rainfall (T. Meissner pers.comm).

In this methodology, prior to summing rainfall and total water applied, rainfall is multiplied by 0.6 to estimate effective rainfall only, as follows:

= Pumped Volume (ML) + (Rainfall (ML) X 0.6) – (Transmission and Spillage Losses) X (1 - Irrigation Efficiency).

This results in a reduction in the estimate of irrigation accessions (see results in Section 4) as it takes into account evaporation and run-off processes.

The use of Effective Rainfall is consistent with other calculations of water use efficiency including the calculation of water use efficiency in the South Australian Prescribed River Murray Water Allocation Plan. It also acknowledges the likely impact of evaporation particularly when monthly rainfall records are low.

The estimated irrigation accessions for both scenarios are provided in Section 4.

3.5 ASSUMPTIONS AND LIMITATIONS

The following assumptions were made in the formulation of the methodology:

- Transmission and spillage losses are similar between localities as based on the work of Ayars (1991). *Comment: technical expert opinion accords this.*
- Estimations of crop area done by irrigators with historical knowledge based on drawing areas on a map are reasonably accurate. *Comment: Verifies somewhat with published data (where available) and aerial photographs.*
- Rainfall estimates at local weather stations reflect general trends across the districts. *Comment: Assumption not tested but is reasonable given the flat topography of the Mallee region.*
- WILMA data is relatively accurate at a spatial level and reflective of actual pumped volumes. *Comment: WILMA data has specific protocols for data collection to ensure accuracy of underlying data.*
- Losses due to sub-surface drainage and caisson drainage are known and can be deducted from total water applied. *Comment: Data has been acquired where possible and interpolated. Drainage loss that was not captured is not considered to be significant.*
- Rainfall has an efficiency rate consistent with irrigation efficiency. *Comment: This assumption has not been tested but is a generally accepted methodology. However, if rainfall falls in large amounts (typically 20 mm or more) it is unlikely to have a similar efficiency as applied irrigation water as the soil is typically near saturation under irrigation.*
- Irrigator behaviour is consistent over the years. That is if within an area/sub-area the practice is to apply excessive/low amounts this trend is maintained over time even when irrigation practices move to greater efficiency of water applied.

A number of limitations are found within this model. There are significant errors in data accuracy with overall errors estimated to be 25% (T. Meissner pers. comm.).

Data inputs have significant margins of error particularly for historical data, for example interpolating between known/measured crop areas and there is no way to substantiate/verify this historical data.

The estimation of efficiency particularly rainfall efficiency is also limited because it does not take into account how the rainfall falls, whether in small or large scale rainfall events as this will impact on the degree to which rainfall will drain past the rootzone.

3.6 APPLYING THE METHOD AT THE DISTRICT SCALE

A separate spreadsheet was developed for each area (see Attachment A).

Due to historical differences each area required specific adjustments in assumption to facilitate calculation of irrigation accessions. These adjustments have been denoted in each spreadsheet and include:

- adjustments of data between years where data appeared inconsistent or contradictory;
- interpolation of data where there was missing data; and
- estimation of data based on derived relationships between data.

3.6.1 Cadell

Area specific assumptions

Transmission and spillage loss to be included, additional irrigation accessions calculated for transmission and spillage losses and a caisson volume deducted from pumped volumes to derive total applications.

Application of method

A general adjustment was made to pumped volumes by multiplying the calculation by 1.13 to inflate the Pumped Volumes by 13%. This was account for the fact that Pumped Volumes has been estimated by multiplying Crop area and Pumped Volume Rate and therefore did not include transmission and spillage losses (Meissner 2011).

There was an apparent discrepancy between pumped volumes through time in the early 1990's. The initial estimates of Pumped Volume derived from WILMA (1992-1994) appear too low in comparison to previous years. The original WILMA Pumped Volumes were therefore lowered to allow more consistency (Meissner 2011).

Caisson volumes for the years 1923-1973 were made by applying a fixed percentage 1.5% of pumped volume based on calculated relationship between pumped volume and caisson drainage as per the average of 1997 and 1998 (Meissner 2011).

3.6.2 Sunlands Qualco

Area specific assumptions

There was a deduction made for drainage re-use to calculate irrigation accession volumes.

Application of method

Drainage re-use figures were available for 1992 and then onwards from 2001 supplied by Sunlands-Qualco Trust. To fill in the missing figures the assumption was made that for the three years prior to 1992, drainage re-use increased linearly. Between 1992 and 2001, estimated drainage re-use was derived by linear interpolation between the 1992 and 2001 figures (Meissner 2011).

3.6.3 Waikerie

Area specific assumptions

A transmission and spillage loss was included, additional irrigation accessions were calculated to account for transmission and spillage losses.

Application of method

As with the Cadell pumped volumes were increased by 13% from those originally calculated to account for transmission and spillage losses prior to 1992.

3.6.4 Taylorville - Cadell North

Area specific assumptions

None

Application of method

As with Cadell there was a discrepancy in Pumped Volume rates in the early 1990's. To smooth the data the Pumped Volumes rates were adjusted (Meissner 2011).

Pumping application rates were adjusted from default values found in LWMP studies and RZD data for data prior to 1992. A 3.0ML/ha adjustment was made from 10ML/ha to 13.5 ML/ha and this ensured that there was a consistency between Pumped Volume rates in the early 1990's particularly after the transition to WILMA data (Meissner 2011). Potential reasons for higher than estimated application rates include citrus being a dominant crop type and the large application of water around 1992/1993 (Meissner 2011).

3.6.5 Taylorville - Qualco Sunlands

Area specific assumptions

None

Application of method

Pumping application rates were also adjusted from default values found in LWMP studies and RZD data prior to 1992. Application rates in 1992-98 were estimated to be the mean value of application rates over the 1992-1998 period based on the WILMA data and were significantly lowered from 10ML/ha to 6.5ML/ha. Application rates prior to 1992 were then adjusted slowly back to 10.0ML/ha at the start of the irrigation development consistent with previously published data (Meissner et al 2011).

The crops in this area are predominately winegrapes and vegetables.

3.6.6 Taylorville - Waikerie North

Area specific assumptions

None

Application of method

Pumped Volume Rates were also decreased in the district prior to 1992 to facilitate more smooth data for pumped volumes.

This accounts for the fact that Waikerie North has a larger proportion of vegetable growing than the rest of the Taylorville North LWMP as so application rates are lower than where vines, citrus or stone fruits are grown.

4 RESULTS

4.1 IRRIGATION ACCESSIONS

4.1.1 Overview

Irrigation accessions peaked several decades prior to irrigation development reaching its full expansion in the early 2000s. Irrigation accessions in general peaked in 1973 with the exception of Cadell North which peaked in 1999 and Waikerie in 1968.

The reason that irrigation accessions peaked earlier is because a lower proportion of the volume of water applied became irrigation accessions due to improvements in irrigation efficiency, rehabilitation of delivery (particularly CIT areas), improvements in on-farm infrastructure and a decline in irrigated area and volumes applied in recent years due to drought.

For example, in the older established irrigation areas accessions to the groundwater fell from around 50% of total water applied in the establishment years to around 20% in the late 2000s. For the newer established private districts the corresponding values were 40% to 25% respectively (Meissner 2011).

The highest estimated volumes of irrigation accession were found in Waikerie, Qualco Sunlands followed by Waikerie North and Qualco Sunlands North (Table 4).

Trends in irrigation accession did differ with time with some LWMP regions having higher levels in 1960 than later whereas others increased from 1960 to 2000 (refer to Figure 17).

Irrigation water applied was the highest contribution to irrigation accessions, although this did decline as irrigation became more efficient. Typically irrigation water applied was 60-92% of total water applied with an average across the modelling timeframe of 75-80% being typical.

Overall, in relation to the scenario testing, utilising effective rainfall did not significantly change the result given the estimated level of error on the data. Differences between effective and total rainfall are shown on the graphs for each LWMP district (Figures 18, 19 and 20).

Table 4: Irrigation accessions (ML) at 1960, 1990 and 2000

Modelling Unit	Peak Irrigation Accession	Year of Peak Irrigation Accession	Irrigation Accession 1960	Irrigation Accession 1990	Irrigation Accession 2000
Cadell	3,264	1973	2,527	2,966	1,610
Qualco-Sunlands	13,857	1973	2,610	6,283	8,304
Waikerie	13,990	1968	12,939	6,658	4,902
Cadell North	156	1999	110	139	125
Qualco Sunlands North	2,384	1973	1,921	1,795	1,567
Waikerie North	4,133	1973	3,514	2,768	1,988

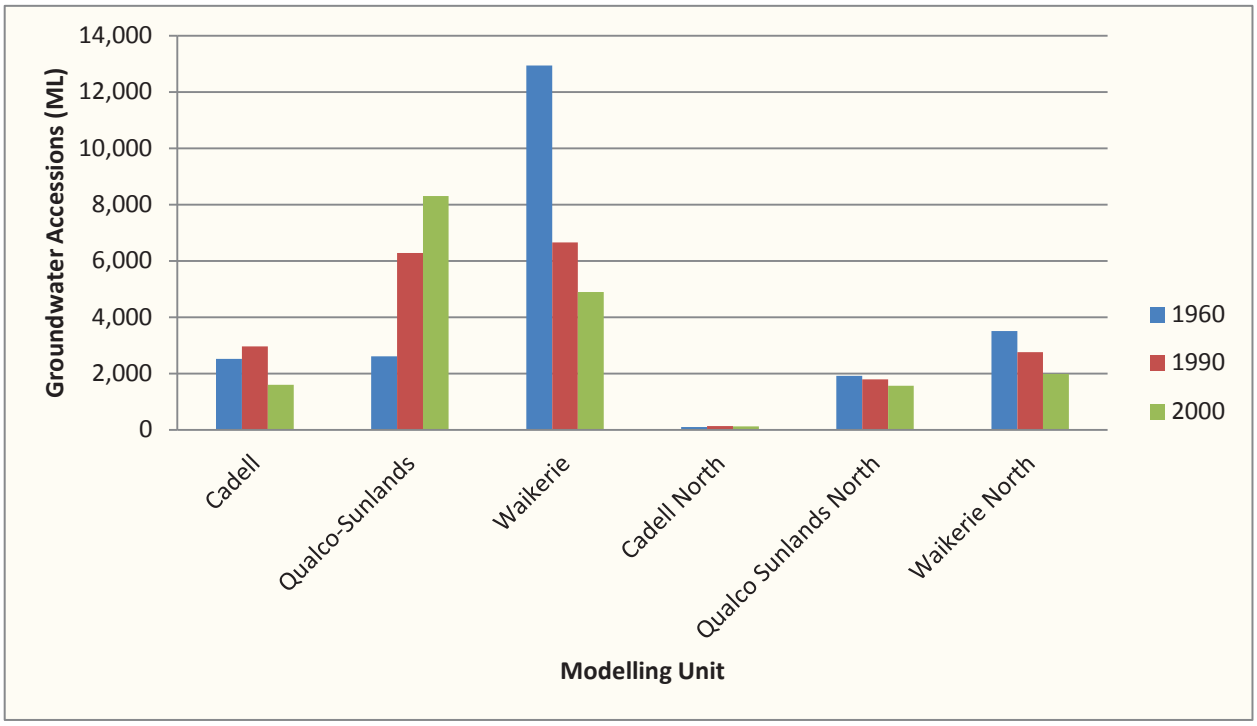


Figure 17: Irrigation accessions for Cadell, Qualco-Sunlands, Waikerie and Taylorville North at 1960, 1990 and 2000

4.2 SPECIFIC DISTRICT RESULTS

4.2.1 Cadell

Up to the 1970s irrigation accessions were more stable fluctuating between 2,200-2,800 ML using total rainfall figures. After this time levels broke past 2,800ML and fluctuated more eventually declining below 1,500 ML.

Using effective rainfall reduced the level of irrigation accession variability and peak irrigation accession levels found (Figure 18).

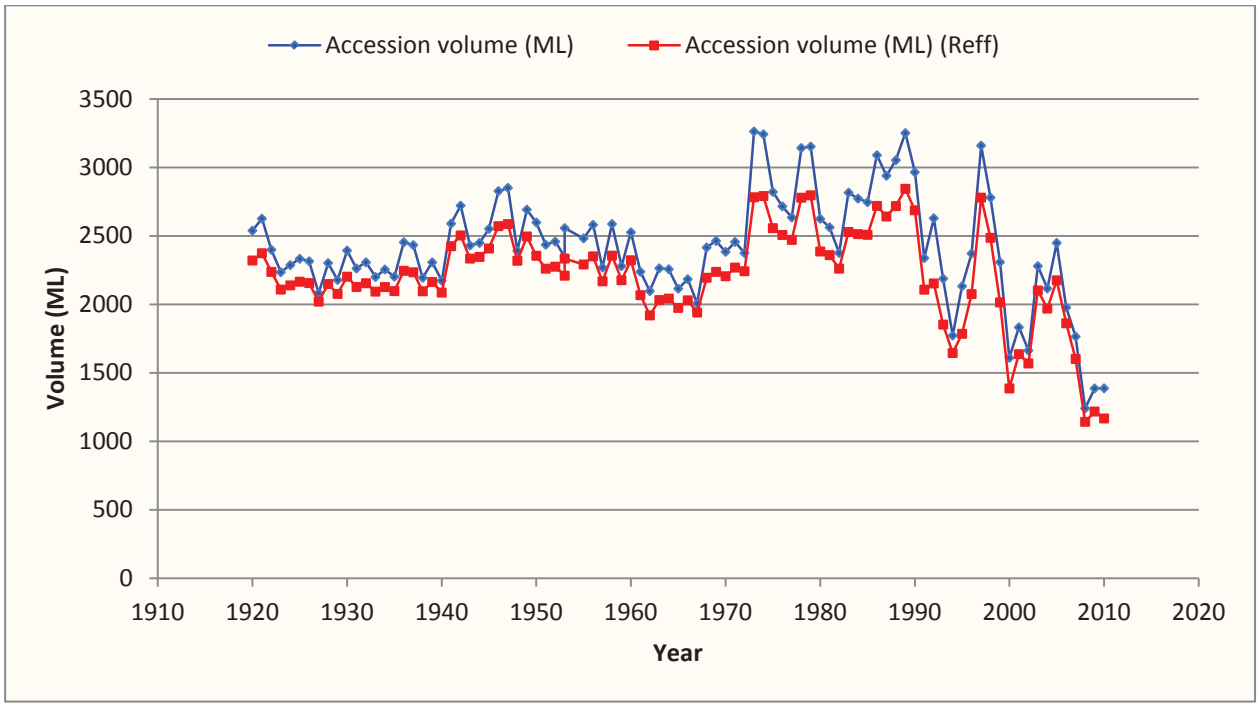


Figure 18: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Cadell LWMP Region from 1920-2010

4.2.2 Qualco Sunlands

Irrigation accession increased steeply from the 1960s to the 1970s as irrigation areas were developed. They then more slowly declined as irrigation efficiencies improved and crop mixtures changed to a greater proportion of vines with lower water use.

Accession volumes calculated using Effective Rainfall showed less dramatic peaks after the 1970s (Figure 19).

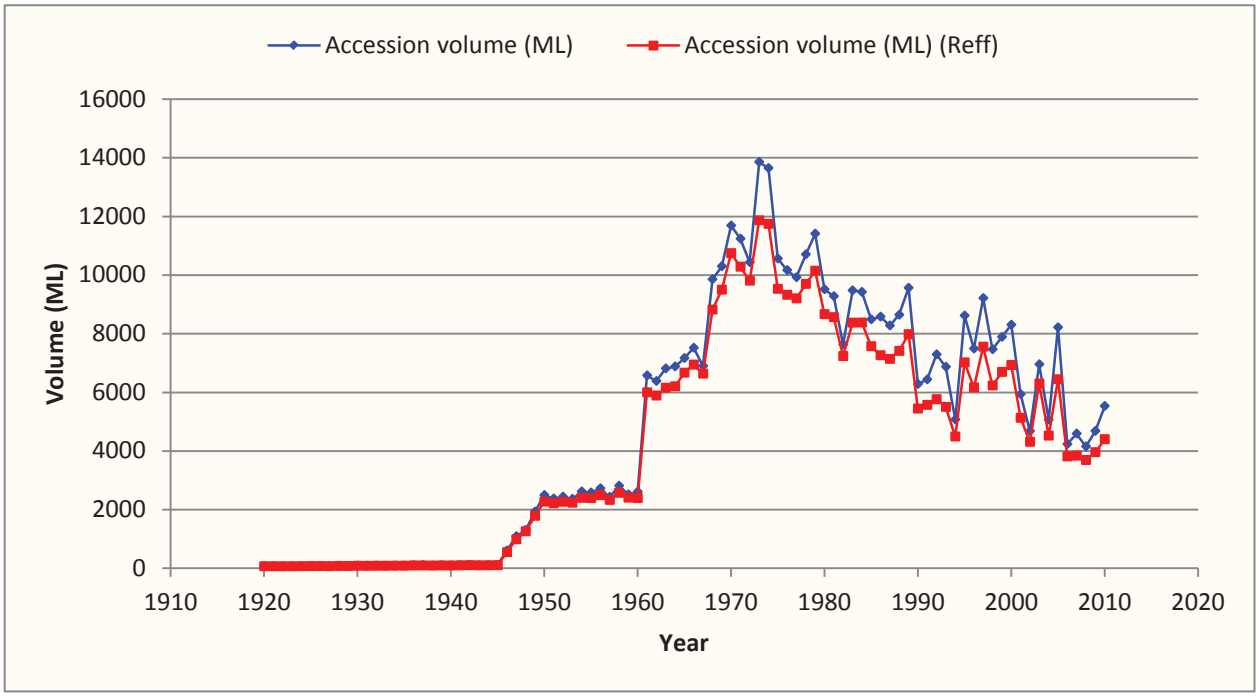


Figure 19: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Qualco-Sunlands LWMP Region from 1920-2010

4.2.3 Waikerie

Accessions to the regional groundwater (Upper Murray Group Aquifer) rapidly increased in the 1920s after the First World War and gradually increased until the 1970s and then began to decline from the 1980s to the present which mirrored application volumes (Figure 20). Accessions volumes using Effective Rainfall showed less dramatic peaks.

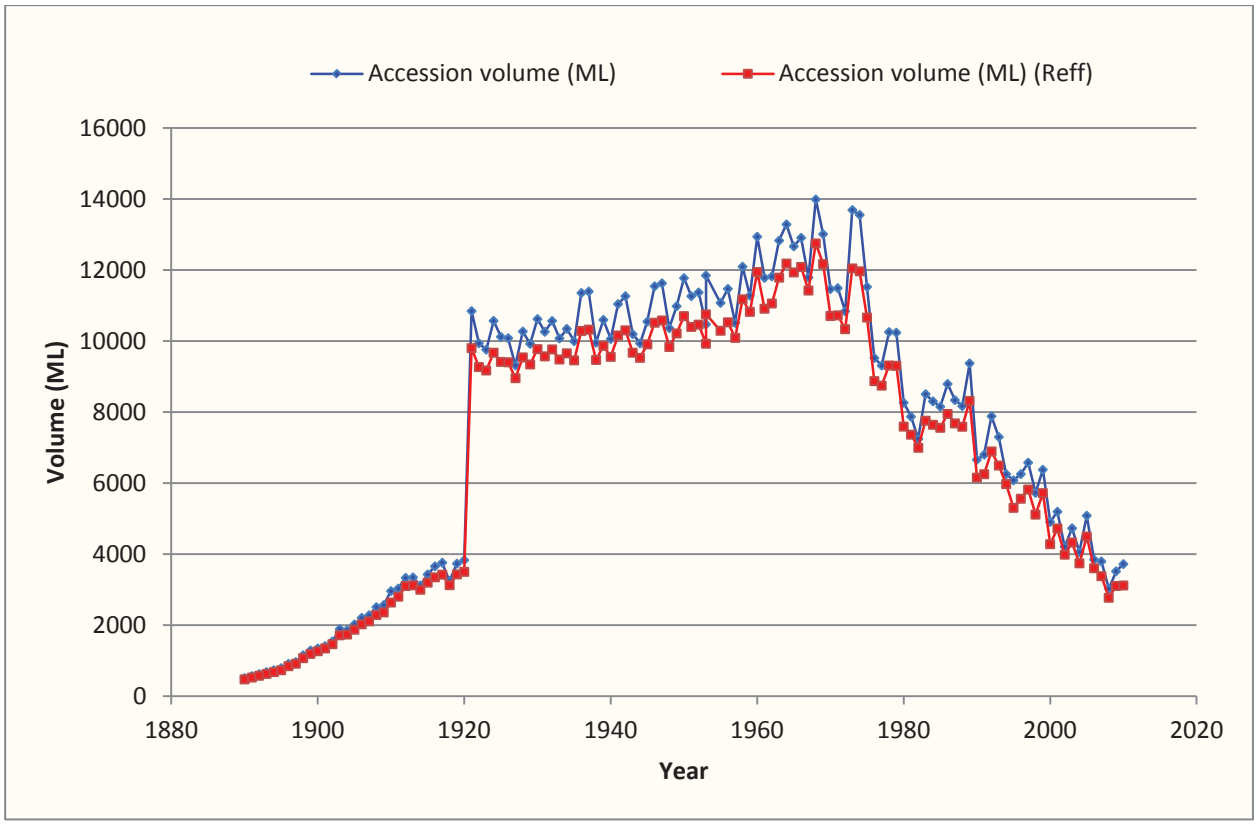


Figure 20: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Waikerie LWMP Region from 1920-2010

4.2.4 Cadell North

Accessions to the groundwater increased from development until the 1980s, then levelling off and rapidly declining from the late 1990s due to a decline in irrigated area and declining irrigation applications and improving efficiencies. Mean ratio of accessions estimated using effective rainfall compared with total rainfall was 93% with a minimum of 85% and a maximum of 98%.

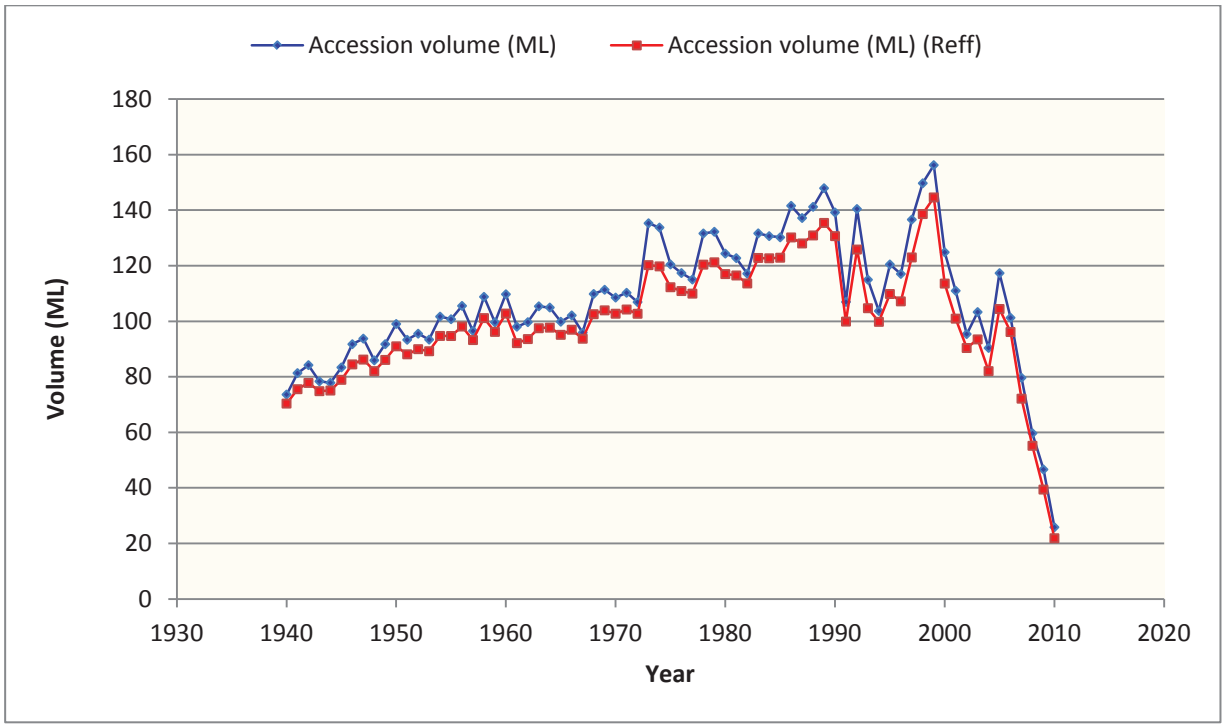


Figure 21: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Waikerie LWMP Region from 1920-2010

4.2.5 Qualco North

Accessions were relatively stable until the late 1990s and have since declined due in part to a reduction in irrigated area. The ratio of accession (effective rainfall) to accessions (total rainfall) ranged from 81 to 97% with a mean of 89%.

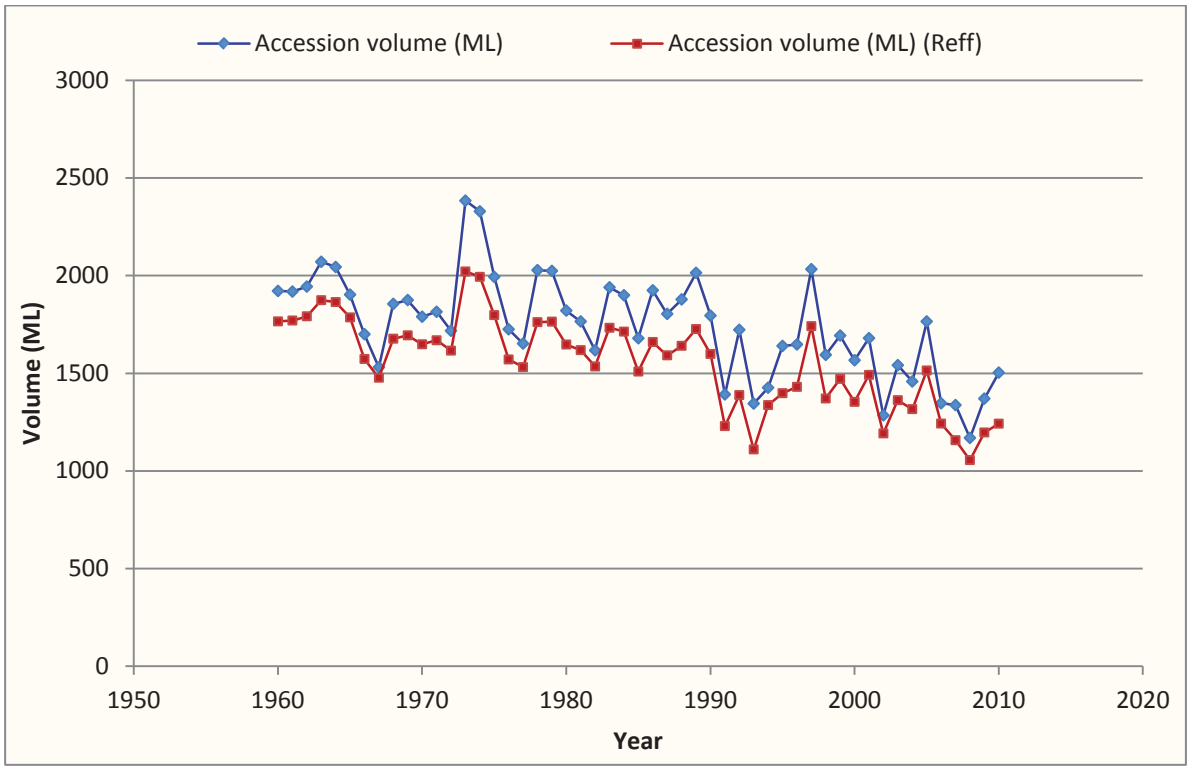


Figure 22: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Qualco North LWMP Region from 1920-2010

4.2.6 Waikerie North

Accessions to the regional groundwater aquifer increased rapidly from development until 1960 and remaining stable until declining in the 2000s due mostly to a decline in irrigated area.

The corresponding statistics for accession (effective rainfall) compared to accessions (total rainfall) ranged from 77% to 95% with a mean of 88%.

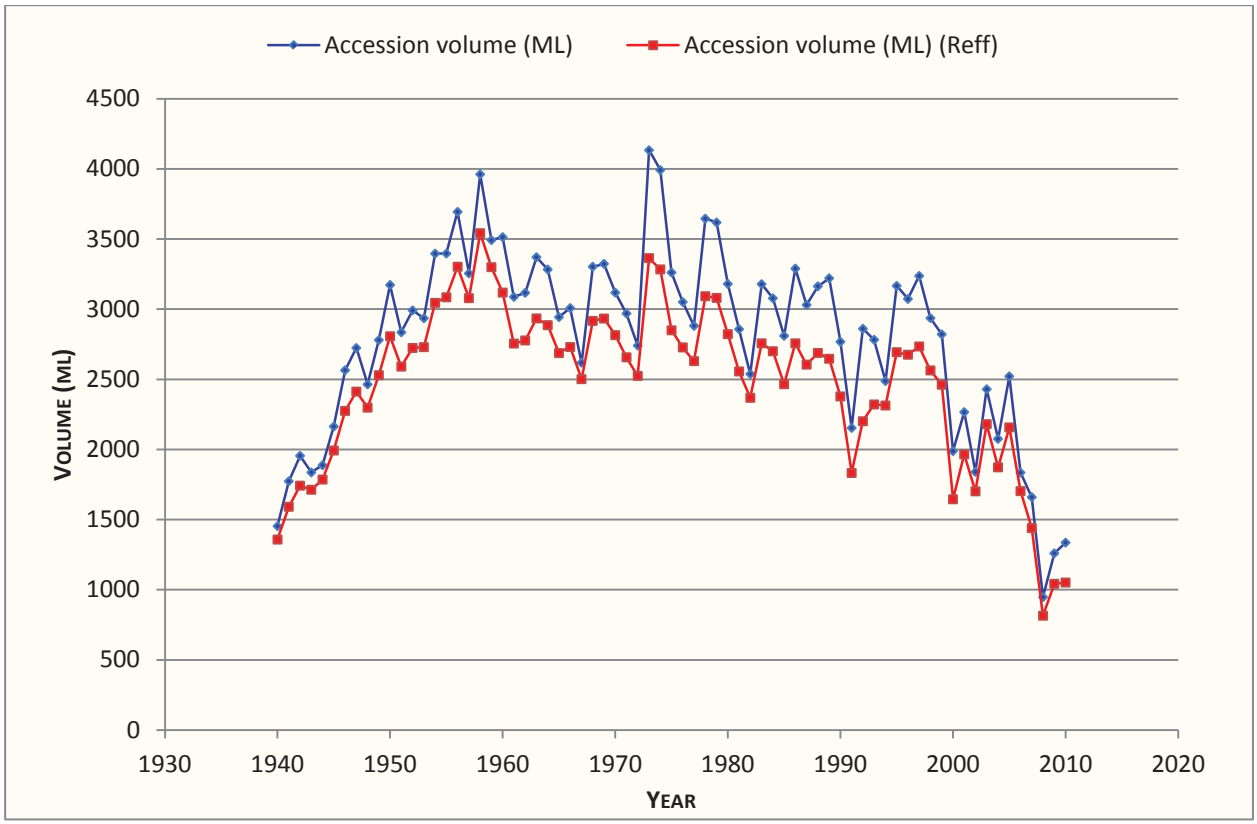


Figure 23: Irrigation accession volumes with Total and Effective Rainfall [Reff] for the Waikerie North LWMP Region from 1920-2010

5 CONCLUSIONS

Irrigation accessions have been estimated for six modelling regions within the Waikerie region from the inception of irrigation to 2010.

The methodology utilised has built on a previous model developed in the Loxton-Bookpurnong region and has been tailored specifically for the regions of concern taking into account factors such as:

- inception of irrigation and irrigation crop areas and types;
- anticipated pumped volumes, water applied and levels of irrigation efficiency;
- delivery methods and types of delivery infrastructure;
- re-use or drainage of irrigation water past the rootzone;
- trends across years in levels of water applied; and
- rainfall and its effectiveness.

The margin of error of the methodology is estimated to be +/- 25% due to inaccuracies in estimating data particularly interpolating between significant data gaps for crop areas.

The model was run using Total and Effective Rainfall, which accounts for evaporative losses of rainfall, however this did not significantly impact on the result, as it did not change the results more than the estimated margin of error.

Irrigation accessions in general peaked in the early 1970s well before the peak in irrigation development in the early 2000s. This is due to improvements in irrigation efficiency, rehabilitation of irrigation infrastructure including rehabilitation and improvements on-farm.

Areas with the highest levels of irrigation accessions were Waikerie, Qualco-Sunlands followed by Waikerie North and Qualco Sunlands North

The project also provided an overview of increases in irrigation development since irrigation inception in the 1890s. Significant irrigation expansion was primarily during the 1960s but with a second larger wave of expansion in the 1990s.

6 RECOMMENDATIONS

A number of recommendations are made below to facilitate future modelling of irrigation accessions:

- maintain accurate records of crop area/type to underpin future groundwater model development and resource managements;
- ensure that estimates of irrigation intensities and irrigation efficiencies are measured for future irrigation development;
- maintain an annual water use reporting process for River Murray irrigators including measuring annual water use and linking to crop areas to facilitate data inputs for irrigation accession models; and
- encourage further investigation/research into the contribution of irrigation and rainfall to irrigation accessions.

7 REFERENCES

Adams, T (2012) Personal Communication, Integrated Crop Management Services, Rural Solutions, South Australia.

Ayars, J (1990) Improved *Water Management in the Riverland of South Australia*. Primary Industries South Australia (Internal report).

Callow Mark, Kenman Sarah, Walker Ross, Warren Ross, and Rawnsley Richard (2006) *Estimating annual irrigation water requirements*. M5 Info series - 206 - Estimating irrigation requirements. The State of Queensland, Department of Primary Industries and Fisheries.

Dastane, N.G. (1978) Effective *Rainfall*. FAO Irrigation and Drainage Paper 25. M-56 ISBN 92-5-100272-X http://www.fao.org/docrep/X5560E/X5560E00.htm.

Meissner (2011a) *Estimation of Accession of the Cadell, Qualco-Sunlands and Waikerie Irrigation Areas.* Report to Science, Monitoring & Information Division, Department, Laroona Environmetrics.

Meissner, T. (2011) *Estimation of Accession for Loxton and Bookpurnong Irrigation Areas.* Report to Science, Monitoring & Information Division, Department For Water. Laroona Environmetrics

Newman R, Adams A., Passfield G., and Meissner T. (2010) *Estimating Mallee Rootzone Drainage.* Report of MDBA Project MD1616.

Smith, K. (2005) *Hydrological Management of the Ral Ral Anabranch, Background Report.* Bookmark Biosphere Reserve Action Plan. December 1995. Bookmark Biosphere Trust, Renmark. Ken Smith Technical Services

Smith, K. and Watkins, N. (1993) *Border to the Barrages. Natural Resource Criteria for Sustainable Irrigation on the River Murray*. River Murray Water Resources Committee. September 1993

Riverland West Local Action Planning Association (2000) Riverland West Land and Water Management Plans, Part E: Taylorville North, Woodward-Clyde, URS Corporation.

ATTACHMENT A: WAIKERIE IRRIGATION ACCESSION CALCULATION[3]

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1890	89	1052	10.5	105	32	262.5	232.8	1148.4	0.60	459.3	422.1	48		508	470	13	6
1891	98	1168	10.5	117	35	262.5	258.3	1274.2	0.60	509.7	468.3	54		563	522	13	6
1892	108	1283	10.5	128	38	262.5	283.9	1400.1	0.60	560.0	514.6	59		619	574	13	6
1893	118	1398	10.5	140	42	262.5	309.4	1525.9	0.60	610.4	560.9	64		675	625	13	6
1894	128	1514	10.5	151	45	262.5	334.9	1651.8	0.60	660.7	607.1	70		730	677	13	6
1895	137	1629	10.5	163	49	262.5	360.4	1777.6	0.60	711.0	653.4	75		786	728	13	6
1896	159	1885	10.5	188	57	262.5	417.0	2056.8	0.60	822.7	756.0	87		909	843	13	6
1897	180	2141	10.5	214	64	159.3	287.4	2149.8	0.60	859.9	813.9	98		958	912	12	5
1898	202	2397	10.5	240	72	255.2	515.5	2600.5	0.60	1040.2	957.7	110		1150	1068	13	6
1899	224	2652	10.5	265	80	266.4	595.5	2903.1	0.60	1161.3	1066.0	122		1283	1188	13	6
1900	245	2908	10.5	291	87	200.8	492.2	3022.4	0.60	1209.0	1130.2	134		1343	1264	12	5
1901	267	3164	10.5	316	95	149.8	399.5	3152.3	0.60	1260.9	1197.0	146		1406	1343	12	5
1902	288	3420	10.5	342	103	166.2	479.1	3454.5	0.60	1381.8	1305.1	157		1539	1462	12	5
1903	310	3676	10.5	368	110	355.8	1102.3	4300.3	0.60	1720.1	1543.8	169		1889	1713	14	6
1904	331	3932	10.5	393	118	232.6	770.8	4191.4	0.60	1676.6	1553.2	181		1857	1734	13	6
1905	353	4188	10.5	419	126	259.7	916.6	4559.8	0.60	1823.9	1677.3	193		2017	1870	13	6
1906	375	4443	10.5	444	133	302.8	1134.0	4999.8	0.60	1999.9	1818.5	204		2204	2023	13	6

[3] Blue numbers denote data directly inputted, red = inferred and black = calculated.

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1907	396	4699	10.5	470	141	268.9	1065.0	5153.4	0.60	2061.4	1891.0	216		2278	2107	13	6
1908	418	4955	10.5	496	149	332.5	1388.6	5699.6	0.60	2279.8	2057.7	228		2508	2286	14	6
1909	439	5211	10.5	521	156	289.1	1269.7	5803.3	0.60	2321.3	2118.2	240		2561	2358	13	6
1910	461	5467	10.5	547	164	436.1	2009.4	6765.6	0.60	2706.2	2384.7	251		2958	2636	15	6
1911	525	6228	10.5	623	187	275.4	1445.5	6863.5	0.60	2745.4	2514.1	286		3032	2801	13	6
1912	589	6988	10.5	699	210	245.3	1444.8	7524.5	0.60	3009.8	2778.6	321		3331	3100	13	6
1913	596	7069	10.5	707	212	234.6	1397.7	7547.4	0.60	3019.0	2795.4	325		3344	3121	13	6
1914	603	7149	10.5	715	214	124.1	747.8	6967.6	0.60	2787.0	2667.4	329		3116	2996	12	5
1915	609	7230	10.5	723	217	237.3	1445.9	7735.8	0.60	3094.3	2863.0	333		3427	3196	13	6
1916	616	7310	10.5	731	219	314.6	1938.3	8298.2	0.60	3319.3	3009.2	336		3656	3345	13	6
1917	623	7391	10.5	739	222	339.8	2116.6	8546.6	0.60	3418.6	3080.0	340		3759	3420	14	6
1918	630	7471	10.5	747	224	119.7	753.7	7253.7	0.60	2901.5	2780.9	344		3245	3125	12	5
1919	636	7552	10.5	755	227	296.6	1887.8	8457.8	0.60	3383.1	3081.1	347		3730	3428	13	6
1920	643	7632	10.5	763	229	319.5	2055.2	8695.2	0.60	3478.1	3149.3	351		3829	3500	14	6
1921	1762	20903	10.5	2090	627	370.4	6525.3	24710.5	0.60	9884.2	8840.1	962		10846	9802	14	6
1922	1768	20978	10.5	2098	629	236.5	4181.4	22432.2	0.60	8972.9	8303.8	965		9938	9269	13	6
1923	1774	21053	10.5	2105	632	206.2	3658.8	21975.1	0.60	8790.0	8204.6	968		9758	9173	12	5
1924	1781	21129	10.5	2113	634	315.4	5616.5	23998.3	0.60	9599.3	8700.7	972		10571	9673	13	6
1925	1787	21204	10.5	2120	636	247.0	4414.1	22861.5	0.60	9144.6	8438.3	975		10120	9414	13	6
1926	1793	21279	10.5	2128	638	236.7	4245.1	22758.0	0.60	9103.2	8424.0	979		10082	9403	13	6
1927	1800	21355	10.5	2135	641	125.3	2255.1	20833.6	0.60	8333.5	7972.6	982		9316	8955	12	5
1928	1806	21430	10.5	2143	643	253.0	4569.6	23213.6	0.60	9285.4	8554.3	986		10271	9540	13	6
1929	1812	21505	10.5	2151	645	199.8	3621.4	22331.0	0.60	8932.4	8353.0	989		9922	9342	12	5
1930	1819	21581	10.5	2158	647	291	5294.7	24069.8	0.60	9627.9	8780.8	993		10621	9773	13	6
1931	1825	21656	10.5	2166	650	237	4322.1	23162.8	0.60	9265.1	8573.6	996		10261	9570	13	6
1932	1832	21731	10.5	2173	652	274	5012.9	23919.2	0.60	9567.7	8765.6	1000		10567	9765	13	6

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1933	1838	21807	10.5	2181	654	202	3708.9	22680.7	0.60	9072.3	8478.9	1003		10075	9482	12	5
1934	1844	21882	10.5	2188	656	234	4306.3	23343.7	0.60	9337.5	8648.5	1007		10344	9655	13	6
1935	1851	21957	10.5	2196	659	182	3358.8	22461.7	0.60	8984.7	8447.3	1010		9995	9457	12	5
1936	1857	22033	10.5	2203	661	360	6688.7	25857.2	0.60	10342.9	9272.7	1014		11356	10286	14	6
1937	1863	22108	10.5	2211	663	360	6715.3	25949.4	0.60	10379.7	9305.3	1017		11397	10322	14	6
1938	1870	22183	10.5	2218	666	162	3034.4	22334.0	0.60	8933.6	8448.1	1020		9954	9469	12	5
1939	1876	22259	10.5	2226	668	244	4569.9	23935.1	0.60	9574.0	8842.8	1024		10598	9867	13	6
1940	1882	22334	10.5	2233	670	167	3149.2	22579.8	0.60	9031.9	8528.1	1027		10059	9555	12	5
1941	1889	22409	10.5	2241	672	293	5532.0	25028.2	0.60	10011.3	9126.2	1031		11042	10157	13	6
1942	1895	22485	10.5	2248	675	317	6014.9	25576.7	0.60	10230.7	9268.3	1034		11265	10303	13	6
1943	1901	22560	10.5	2256	677	172	3266.6	22893.9	0.60	9157.6	8634.9	1038		10195	9673	12	5
1944	1908	22635	10.5	2264	679	133	2541.1	22234.0	0.60	8893.6	8487.0	1041		9935	9528	12	5
1945	1914	22711	10.5	2271	681	209	4000.5	23758.9	0.60	9503.6	8863.5	1045		10548	9908	12	6
1946	1920	22786	10.5	2279	684	334	6416.2	26240.2	0.60	10496.1	9469.5	1048		11544	10518	14	6
1947	1927	22862	10.5	2286	686	340	6551.1	26440.7	0.60	10576.3	9528.1	1052		11628	10580	14	6
1948	1933	22937	10.5	2294	688	172	3319.2	23274.3	0.60	9309.7	8778.6	1055		10365	9834	12	5
1949	1940	23012	10.5	2301	690	247	4786.7	24807.3	0.60	9922.9	9157.1	1059		10981	10216	13	6
1950	1946	23088	10.5	2309	693	344	6693.7	26779.9	0.60	10712.0	9641.0	1062		11774	10703	14	6
1951	1947	23096	10.5	2310	693	278	5413.4	25506.9	0.60	10202.8	9336.6	1062		11265	10399	13	6
1952	1947	23104	10.5	2310	693	291	5668.5	25769.3	0.60	10307.7	9400.8	1063		11371	10464	13	6
1953	1948	23113	10.5	2311	693	175	3410.9	23519.0	0.60	9407.6	8861.9	1063		10471	9925	12	5
1953	1949	23121	10.5	2312	694	351	6845.7	26961.2	0.60	10784.5	9689.1	1064		11848	10753	14	6
1955	1949	23130	10.5	2313	694	252	4906.6	25029.4	0.60	10011.7	9226.7	1064		11076	10291	13	6
1956	1950	23138	10.5	2314	694	302	5887.4	26017.4	0.60	10407.0	9465.0	1064		11471	10529	13	6
1957	2023	24003	10.5	2400	720	130	2634.0	23516.9	0.60	9406.8	8985.3	1104		10511	10089	12	5
1958	2096	24869	10.5	2487	746	274	5743.0	27378.8	0.60	10951.5	10032.6	1144		12095	11177	13	6

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1959	2169	25734	10.5	2573	772	131	2849.9	25238.6	0.60	10095.5	9639.5	1184		11279	10823	12	5
1960	2236	26534	10.5	2653	796	278	6212.6	29297.3	0.60	11718.9	10724.9	1221		12939	11945	13	6
1961	2310	27410	10.5	2741	822	269	6212.0	30058.6	0.65	10520.5	9650.8	1261		11781	10912	13	5
1962	2384	28286	10.5	2829	849	229	5452.1	30060.6	0.65	10521.2	9757.9	1301		11822	11059	13	5
1963	2458	29161	10.5	2916	875	303	7456.9	32827.2	0.65	11489.5	10445.6	1341		12831	11787	13	5
1964	2532	30037	10.5	3004	901	311	7883.3	34015.6	0.65	11905.5	10801.8	1382		13287	12183	13	5
1965	2605	30913	10.5	3091	927	201	5236.8	32131.0	0.65	11245.8	10512.7	1422		12668	11935	12	5
1966	2610	30965	10.5	3097	929	225	5874.7	32814.5	0.65	11485.1	10662.6	1424		12909	12087	13	5
1967	2614	31018	10.5	3102	931	101	2629.9	29615.5	0.65	10365.4	9997.2	1427		11792	11424	11	5
1968	2619	31070	10.5	3107	932	338	8856.3	35887.6	0.65	12560.7	11320.8	1429		13990	12750	14	5
1969	2623	31123	10.5	3112	934	229	6012.1	33089.1	0.65	11581.2	10739.5	1432		13013	12171	13	5
1970	2628	31176	10.5	3118	935	240	6316.6	33439.3	0.70	10031.8	9273.8	1434		11466	10708	13	4
1971	2628	31184	10.5	3118	936	243	6394.5	33524.7	0.70	10057.4	9290.1	1434		11492	10725	13	4
1972	2629	31193	10.5	3119	936	160	4214.2	31351.9	0.70	9405.6	8899.9	1435		10840	10335	12	4
1973	2630	31201	10.5	3120	936	521	13711.2	40856.4	0.70	12256.9	10611.6	1435		13692	12047	16	5
1974	2630	31210	10.5	3121	936	504	13244.2	40396.8	0.70	12119.0	10529.7	1436		13555	11965	15	5
1975	2631	31219	11	0	0	274	7204.1	38422.6	0.70	11526.8	10662.3	0		11527	10662	15	4
1976	2632	26319	10.0	0	0	206	5426.9	31745.6	0.70	9523.7	8872.5	0		9524	8872	12	4
1977	2633	26326	10.0	0	0	179	4709.7	31035.7	0.70	9310.7	8745.5	0		9311	8746	12	4
1978	2633	26333	10.0	0	0	298	7847.3	34180.5	0.70	10254.1	9312.5	0		10254	9312	13	4
1979	2634	26340	10.0	0	0	296	7786.2	34126.7	0.70	10238.0	9303.7	0		10238	9304	13	4
1980	2635	26348	10.0	0	0	254	6694.9	33042.6	0.75	8260.7	7591.2	0		8261	7591	13	3
1981	2641	26411	10.0	0	0	192	5076.2	31486.9	0.75	7871.7	7364.1	0		7872	7364	12	3
1982	2647	26474	10.0	0	0	95	2507.1	28980.9	0.75	7245.2	6994.5	0		7245	6995	11	3
1983	2654	26537	10.0	0	0	282	7486.1	34023.0	0.75	8505.8	7757.2	0		8506	7757	13	3
1984	2660	26600	10.0	0	0	249	6612.8	33212.8	0.75	8303.2	7641.9	0		8303	7642	12	3

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1985	2666	26663	10.0	0	0	223	5943.2	32606.4	0.75	8151.6	7557.3	0		8152	7557	12	3
1986	2673	26726	10.0	0	0	316	8440.1	35166.4	0.75	8791.6	7947.6	0		8792	7948	13	3
1987	2679	26789	10.0	0	0	245	6560.7	33350.1	0.75	8337.5	7681.4	0		8338	7681	12	3
1988	2685	26852	10.0	0	0	217	5827.0	32679.4	0.75	8169.9	7587.2	0		8170	7587	12	3
1989	2692	26916	10.0	0	0	393	10575.1	37490.6	0.75	9372.7	8315.2	0		9373	8315	14	3
1990	2698	26979	10.0	0	0	234	6313.0	33291.6	0.80	6658.3	6153.3	0		6658	6153	12	2
1991	2713	27128	10.0	0	0	254	6876.8	34004.4	0.80	6800.9	6250.7	0		6801	6251	13	3
1992	2728	27025	9.91	0	0	454	12389.0	39413.9	0.80	7882.8	6891.7	0		7883	6892	14	3
1993	2743	26448	9.64	0	0	366	10043.2	36491.6	0.80	7298.3	6494.9	0		7298	6495	13	3
1994	2757	27772	10.07	0	0	127	3488.2	31260.2	0.80	6252.0	5973.0	0		6252	5973	11	2
1995	2772	20697	7.47	0	0	350	9694.9	30392.3	0.80	6078.5	5302.9	0		6078	5303	11	2
1996	2860	22588	7.90	0	0	303	8676.9	31264.9	0.80	6253.0	5558.8	0		6253	5559	11	2
1997	2947	23408	7.94	0	0	322	9476.0	32883.7	0.80	6576.7	5818.7	0		6577	5819	11	2
1998	2962	20968	7.08	0	0	259	7656.1	28623.9	0.80	5724.8	5112.3	0		5725	5112	10	2
1999	2976	23660	7.95	0	0	276	8219.8	31879.5	0.80	6375.9	5718.3	0		6376	5718	11	2
2000	2983	22302	7.48	0	0	348	10380.7	32683.2	0.85	4902.5	4279.6	0		4902	4280	11	2
2001	2990	26767	8.95	0	0	263	7851.5	34618.5	0.85	5192.8	4721.7	0		5193	4722	12	2
2002	2775	24346	8.77	0	0	133	3685.2	28031.7	0.85	4204.7	3983.6	0		4205	3984	10	2
2003	2560	24823	9.70	0	0	262	6697.2	31519.9	0.85	4728.0	4326.2	0		4728	4326	12	2
2004	2578	21773	8.44	0	0	204	5270.2	27042.8	0.85	4056.4	3740.2	0		4056	3740	10	2
2005	2587	24102	9.32	0	0	378	9778.4	33880.2	0.85	5082.0	4495.3	0		5082	4495	13	2
2006	2572	21568	8.39	0	0	158	4069.0	25637.1	0.85	3845.6	3601.4	0		3846	3601	10	1
2007	2469	18369	7.44	0	0	280	6919.1	25287.6	0.85	3793.1	3378.0	0		3793	3378	10	2
2008	2409	15901	6.60	0	0	177	4268.9	20170.2	0.85	3025.5	2769.4	0		3026	2769	8	1
2009	2549	16550	6.49	0	0	270	6882.1	23431.9	0.85	3514.8	3101.9	0		3515	3102	9	1

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
2010	2242	14750	6.58	0	0	448	10038.8	24788.8	0.85	3718.3	3116.0	0		3718	3116	11	2

ATTACHMENT B: SUNLANDS QUALCO IRRIGATION ACCESSION CALCULATION

Year	Irrigation Area (Ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	Drainage re-use Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1920	11	119	11	0	0	331.7	38	157	0.55	71	64	0	0	71	64	14	6
1921	12	123	11	0	0	297.3	35	157	0.55	71	65	0	0	71	65	13	6
1922	12	126	11	0	0	236.5	28	154	0.55	70	64	0	0	70	64	13	6
1923	12	130	11	0	0	186.0	23	152	0.55	69	64	0	0	69	64	12	6
1924	13	133	11	0	0	217.0	27	160	0.55	72	67	0	0	72	67	13	6
1925	13	136	11	0	0	244.3	32	168	0.55	76	70	0	0	76	70	13	6
1926	13	140	11	0	0	233.0	31	171	0.55	77	71	0	0	77	71	13	6
1927	14	143	11	0	0	91.5	12	156	0.55	70	68	0	0	70	68	11	5
1928	14	147	11	0	0	224.2	31	178	0.55	80	75	0	0	80	75	13	6
1929	14	150	11	0	0	148.4	21	172	0.55	77	73	0	0	77	73	12	5
1930	15	154	11	0	0	278.6	41	195	0.55	88	80	0	0	88	80	13	6
1931	15	157	11	0	0	197.2	30	187	0.55	84	79	0	0	84	79	12	6
1932	15	161	11	0	0	222.1	34	195	0.55	88	82	0	0	88	82	13	6
1933	16	164	11	0	0	155.2	24	188	0.55	85	80	0	0	85	80	12	5
1934	16	168	11	0	0	186.2	30	197	0.55	89	83	0	0	89	83	12	6
1935	16	171	11	0	0	152.5	25	196	0.55	88	84	0	0	88	84	12	5
1936	17	175	11	0	0	301.7	50	225	0.55	101	92	0	0	101	92	14	6
1937	17	178	11	0	0	287.0	49	227	0.55	102	93	0	0	102	93	13	6
1938	17	182	11	0	0	141.5	24	206	0.55	93	88	0	0	93	88	12	5
1939	18	185	11	0	0	207.1	36	222	0.55	100	93	0	0	100	93	13	6
1940	18	188	11	0	0	125.0	22	211	0.55	95	91	0	0	95	91	12	5
1941	18	192	11	0	0	210.3	38	230	0.55	104	97	0	0	104	97	13	6
1942	19	195	11	0	0	277.5	52	247	0.55	111	102	0	0	111	102	13	6
1943	19	199	11	0	0	122.5	23	222	0.55	100	96	0	0	100	96	12	5
1944	19	202	11	0	0	130.1	25	227	0.55	102	98	0	0	102	98	12	5
1945	20	206	11	0	0	182.0	36	241	0.55	109	102	0	0	109	102	12	6

Year	Irrigation Area (Ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	Drainage re-use Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1946	97	1023	11	0	0	324.7	316	1339	0.55	603	546	0	0	603	546	14	6
1947	175	1840	11	0	0	334.8	587	2426	0.55	1092	986	0	0	1092	986	14	6
1948	253	2657	11	0	0	92.2	233	2890	0.55	1300	1258	0	0	1300	1258	11	5
1949	331	3473	11	0	0	247.2	818	4291	0.55	1931	1784	0	0	1931	1784	13	6
1950	409	4290	11	0	0	306.6	1253	5543	0.55	2494	2269	0	0	2494	2269	14	6
1951	416	4367	11	0	0	219.9	915	5282	0.55	2377	2212	0	0	2377	2212	13	6
1952	423	4444	11	0	0	230.5	975	5419	0.55	2439	2263	0	0	2439	2263	13	6
1953	430	4520	11	0	0	170.1	732	5253	0.55	2364	2232	0	0	2364	2232	12	5
1954	438	4597	11	0	0	278.6	1220	5817	0.55	2617	2398	0	0	2617	2398	13	6
1955	445	4674	11	0	0	238.3	1061	5734	0.55	2580	2389	0	0	2580	2389	13	6
1956	452	4750	11	0	0	288.3	1304	6054	0.55	2724	2490	0	0	2724	2490	13	6
1957	460	4827	11	0	0	125.5	577	5404	0.55	2432	2328	0	0	2432	2328	12	5
1958	467	4903	11	0	0	288.4	1347	6250	0.55	2813	2570	0	0	2813	2570	13	6
1959	474	4980	11	0	0	128.2	608	5588	0.55	2515	2405	0	0	2515	2405	12	5
1960	482	4575	10	0	0	254.3	1225	5800	0.55	2610	2389	0	0	2610	2389	12	5
1961	1199	11390	10	0	0	268.9	3224	14613	0.55	6576	5996	0	0	6576	5996	12	5
1962	1203	11432	10	0	0	228.7	2752	14184	0.55	6383	5888	0	0	6383	5888	12	5
1963	1208	11475	10	0	0	303.4	3665	15140	0.55	6813	6153	0	0	6813	6153	13	6
1964	1212	11517	10	0	0	311.4	3775	15293	0.55	6882	6202	0	0	6882	6202	13	6
1965	1384	13150	10	0	0	200.6	2777	15927	0.55	7167	6667	0	0	7167	6667	12	5
1966	1422	13506	10	0	0	225.1	3200	16707	0.55	7518	6942	0	0	7518	6942	12	5
1967	1459	13863	10	0	0	100.6	1468	15331	0.55	6899	6635	0	0	6899	6635	11	5
1968	1700	16151	10	0	0	338.2	5750	21901	0.55	9855	8820	0	0	9855	8820	13	6
1969	1941	18439	10	0	0	229.2	4449	22887	0.55	10299	9499	0	0	10299	9499	12	5
1970	2182	20727	10	0	0	240.4	5245	25972	0.55	11687	10743	0	0	11687	10743	12	5
1971	2185	19661	9	0	0	243.3	5315	24976	0.55	11239	10282	0	0	11239	10282	11	5
1972	2187	19686	9	0	0	160.3	3506	23192	0.55	10437	9805	0	0	10437	9805	11	5

Year	Irrigation Area (Ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	Drainage re-use Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1973	2190	19711	9	0	0	506.0	11082	30793	0.55	13857	11862	0	0	13857	11862	14	6
1974	2193	19736	9	0	0	483.2	10596	30332	0.55	13650	11742	0	0	13650	11742	14	6
1975	2215	17721	8	0	0	259.6	5751	23472	0.55	10562	9527	0	0	10562	9527	11	5
1976	2237	17899	8	0	0	210.0	4699	22598	0.55	10169	9323	0	0	10169	9323	10	5
1977	2255	18041	8	0	0	177.9	4012	22053	0.55	9924	9202	0	0	9924	9202	10	4
1978	2273	18182	8	0	0	246.7	5607	23789	0.55	10705	9696	0	0	10705	9696	10	5
1979	2290	18324	8	0	0	307.1	7034	25358	0.55	11411	10145	0	0	11411	10145	11	5
1980	2308	18465	8	0	0	230.5	5320	23786	0.60	9514	8663	0	0	9514	8663	10	4
1981	2339	18711	8	0	0	191.8	4486	23196	0.60	9279	8561	0	0	9279	8561	10	4
1982	2369	16586	7	0	0	105.5	2500	19086	0.60	7634	7235	0	0	7634	7235	8	3
1983	2400	16801	7	0	0	287.0	6888	23689	0.60	9476	8374	0	0	9476	8374	10	4
1984	2431	17016	7	0	0	269.2	6544	23559	0.60	9424	8377	0	0	9424	8377	10	4
1985	2581	15485	6	0	0	222.2	5735	21220	0.60	8488	7570	0	0	8488	7570	8	3
1986	2642	13212	5	0	0	311.8	8239	21450	0.60	8580	7262	0	0	8580	7262	8	3
1987	2712	13560	5	0	0	263.1	7135	20695	0.60	8278	7136	0	0	8278	7136	8	3
1988	2782	13908	5	0	0	276.8	7699	21607	0.60	8643	7411	0	0	8643	7411	8	3
1989	2851	14256	5	0	0	347.4	9905	24161	0.60	9665	8080	0	**100**	9565	7980	8	3
1990	2921	14604	5	0	0	239.8	7004	21609	0.70	6483	5642	0	**200**	6283	5442	7	2
1991	3044	15221	5	0	0	237.9	7242	22464	0.70	6739	5870	0	**300**	6439	5570	7	2
1992	3168	13089	4	0	0	402.7	12756	25845	0.70	7754	6223	0	460	7294	5763	8	2
1993	3291	12968	4	0	0	346.9	11417	24385	0.70	7315	5945	0	**446**	6869	5499	7	2
1994	3369	13492	4	0	0	144.2	4857	18350	0.70	5505	4922	0	**432**	5073	4490	5	2
1995	3446	16792	5	0	0	386.6	13322	30113	0.70	9034	7435	0	**418**	8616	7018	9	3
1996	3484	15253	4	0	0	317.6	11064	26317	0.70	7895	6567	0	**404**	7491	6164	8	2
1997	3521	18181	5	0	0	392.8	13832	32013	0.70	9604	7944	0	**390**	9214	7554	9	3
1998	3556	15837	4	0	0	289.8	10306	26143	0.70	7843	6606	0	**376**	7467	6231	7	2

Year	Irrigation Area (Ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	Drainage re-use Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1999	3591	17530	5	0	0	277.8	9976	27506	0.70	8252	7055	0	**362**	7890	6693	8	2
2000	3697	17373	5	0	0	310.2	11467	28840	0.70	8652	7276	0	**348**	8304	6928	8	2
2001	3802	21249	6	0	0	265.6	10098	31347	0.80	6269	5462	0	334	5936	5128	8	2
2002	3471	20341	6	0	0	132.8	4609	24950	0.80	4990	4621	0	312	4678	4309	7	1
2003	3140	28274	9	0	0	261.6	8213	36487	0.80	7297	6640	0	342	6955	6298	12	2
2004	3321	20117	6	0	0	204.4	6789	26905	0.80	5381	4838	0	317	5064	4521	8	2
2005	3352	20155	6	0	0	661.8	22186	42341	0.80	8468	6693	0	252	8217	6442	13	2
2006	3329	17158	5	0	0	158.2	5267	22425	0.80	4485	4064	0	252	4233	3812	7	1
2007	3362	15506	5	0	0	280.2	9421	24927	0.80	4985	4232	0	393	4592	3838	7	1
2008	3285	15142	5	0	0	177.2	5821	20963	0.80	4193	3727	0	39	4153	3688	6	1
2009	3364	14577	4	0	0	270.0	9082	23659	0.80	4732	4005	0	50	4681	3955	7	1
2010	3161	13750	4	0	0	447.8	14157	27907	0.80	5581	4449	0	50	5531	4399	9	2

ATTACHMENT C: CADELL IRRIGATION ACCESSION CALCULATION

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})
1920	427	5061	10.5	506	152	320	1363	5766	0.60	2306	2088	233	0	2539	2321
1921	427	5063	10.5	506	152	370	1581	5985	0.60	2394	2141	233	0	2627	2374
1922	427	5065	10.5	506	152	237	1010	5416	0.60	2166	2005	233	0	2399	2238
1923	427	5066	10.5	507	152	186	794	5202	0.60	2081	1954	233	78	2236	2109
1924	427	5068	10.5	507	152	217	927	5336	0.60	2134	1986	233	80	2288	2139
1925	427	5070	10.5	507	152	244	1044	5455	0.60	2182	2015	233	82	2333	2166
1926	427	5072	10.5	507	152	233	996	5408	0.60	2163	2004	233	81	2315	2156
1927	428	5073	10.5	507	152	92	391	4805	0.60	1922	1859	233	72	2083	2021
1928	428	5075	10.5	508	152	224	959	5374	0.60	2150	1996	233	81	2303	2149
1929	428	5077	10.5	508	152	148	635	5052	0.60	2021	1919	234	76	2178	2077
1930	428	5078	10.5	508	152	279	1192	5611	0.60	2244	2054	234	84	2394	2203
1931	429	5086	10.5	509	153	197	845	5270	0.60	2108	1973	234	79	2263	2128
1932	429	5094	10.5	509	153	222	954	5386	0.60	2154	2002	234	81	2308	2155
1933	430	5102	10.5	510	153	155	667	5106	0.60	2042	1936	235	77	2201	2094
1934	431	5110	10.5	511	153	186	802	5247	0.60	2099	1971	235	79	2255	2127
1935	431	5118	10.5	512	154	153	658	5110	0.60	2044	1939	235	77	2203	2098
1936	432	5126	10.5	513	154	302	1303	5763	0.60	2305	2096	236	86	2454	2246
1937	433	5133	10.5	513	154	287	1242	5708	0.60	2283	2084	236	86	2434	2235
1938	433	5141	10.5	514	154	142	613	5086	0.60	2034	1936	236	76	2195	2097
1939	434	5149	10.5	515	154	207	899	5378	0.60	2151	2008	237	81	2308	2164
1940	435	5157	10.5	516	155	125	543	5030	0.60	2012	1925	237	75	2174	2087

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})
1941	435	5165	10.5	516	155	210	915	5409	0.55	2434	2269	238	81	2590	2426
1942	436	5173	10.5	517	155	278	1210	5710	0.55	2569	2352	238	86	2722	2504
1943	437	5180	10.5	518	155	123	535	5042	0.55	2269	2173	238	76	2432	2335
1944	437	5188	10.5	519	156	130	569	5083	0.55	2287	2185	239	76	2450	2347
1945	438	5196	10.5	520	156	182	797	5318	0.55	2393	2250	239	80	2552	2409
1946	439	5204	10.5	520	156	325	1424	5952	0.55	2678	2422	239	89	2828	2572
1947	439	5212	10.5	521	156	335	1471	6005	0.55	2702	2438	240	90	2852	2587
1948	440	5220	10.5	522	157	92	406	4947	0.55	2226	2153	240	74	2392	2319
1949	441	5228	10.5	523	157	247	1089	5637	0.55	2537	2341	240	85	2693	2497
1950	441	4737	9.5	474	142	307	1353	5474	0.55	2463	2220	218	82	2599	2356
1951	442	4744	9.5	474	142	220	972	5099	0.55	2295	2120	218	76	2436	2261
1952	442	4749	9.5	475	142	231	1020	5151	0.55	2318	2135	218	77	2459	2276
1953	443	4754	9.5	475	143	170	753	4890	0.55	2200	2065	219	73	2346	2210
1953	443	4760	9.5	476	143	279	1235	5376	0.55	2419	2197	219	81	2557	2335
1955	444	4765	9.5	476	143	238	1058	5203	0.55	2341	2151	219	78	2482	2292
1956	444	4770	9.5	477	143	288	1281	5431	0.55	2444	2213	219	81	2582	2351
1957	445	4775	9.5	478	143	126	558	4713	0.55	2121	2020	220	71	2270	2169
1958	445	4780	9.5	478	143	288	1284	5443	0.55	2449	2218	220	82	2588	2356
1959	446	4786	9.5	479	144	128	571	4735	0.55	2131	2028	220	71	2280	2177
1960	446	4791	9.5	479	144	254	1135	5303	0.55	2386	2182	220	80	2527	2323
1961	447	4796	9.5	480	144	239	1070	5242	0.60	2097	1926	221	79	2239	2068
1962	456	4385	8.5	438	132	243	1110	4925	0.60	1970	1792	202	74	2098	1920
1963	466	4478	8.5	448	134	311	1450	5346	0.60	2139	1906	206	80	2264	2032
1964	476	4572	8.5	457	137	281	1339	5317	0.60	2127	1912	210	80	2257	2043

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})
1965	486	4665	8.5	466	140	181	879	4937	0.60	1975	1834	215	74	2115	1975
1966	495	4758	8.5	476	143	195	966	5105	0.60	2042	1888	219	77	2184	2030
1967	505	4852	8.5	485	146	82	413	4634	0.60	1854	1788	223	70	2007	1941
1968	515	4945	8.5	495	148	269	1382	5685	0.60	2274	2053	227	85	2416	2195
1969	525	5039	8.5	504	151	270	1415	5799	0.60	2319	2093	232	87	2464	2238
1970	534	5132	8.5	513	154	209	1115	5580	0.60	2232	2054	236	84	2385	2206
1971	548	5265	8.5	527	158	214	1171	5752	0.60	2301	2113	242	86	2457	2269
1972	562	5398	8.5	540	162	147	828	5525	0.60	2210	2077	248	83	2375	2243
1973	576	5531	8.5	553	166	522	3005	7817	0.60	3127	2646	254	117	3264	2783
1974	590	5664	8.5	566	170	478	2820	7747	0.60	3099	2648	261	116	3243	2792
1975	597	5737	8.5	574	172	277	1653	6644	0.60	2658	2393	264	100	2822	2557
1976	605	5810	8.5	581	174	216	1308	6363	0.60	2545	2336	267	95	2717	2508
1977	612	5883	8.5	588	176	167	1024	6142	0.60	2457	2293	271	92	2635	2472
1978	620	5956	8.5	596	179	366	2270	7452	0.60	2981	2618	274	112	3143	2780
1979	628	6029	8.5	603	181	354	2225	7470	0.60	2988	2632	277	112	3153	2797
1980	635	5384	7.5	538	162	235	1493	6177	0.60	2471	2232	248	93	2626	2387
1981	643	5449	7.5	545	163	197	1265	6006	0.60	2402	2200	251	90	2563	2360
1982	651	5513	7.5	551	165	110	717	5513	0.60	2205	2091	254	83	2376	2262
1983	658	5578	7.5	558	167	273	1797	6650	0.60	2660	2372	257	100	2817	2529
1984	666	5642	7.5	564	169	243	1620	6529	0.60	2612	2352	260	98	2773	2514
1985	673	5707	7.5	571	171	221	1488	6453	0.60	2581	2343	263	97	2747	2509
1986	681	5771	7.5	577	173	340	2317	7337	0.60	2935	2564	265	110	3090	2720
1987	689	5836	7.5	584	175	271	1863	6940	0.60	2776	2478	268	104	2940	2642
1988	696	5900	7.5	590	177	301	2094	7227	0.60	2891	2556	271	108	3054	2719
1989	704	5965	7.5	596	179	362	2545	7734	0.60	3094	2686	274	116	3252	2845

Year	Irrigation Area (ha)	Pumped Volumes	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + transmission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})
1990	711	6029	7.5	603	181	244	1739	6984	0.60	2794	2515	277	105	2966	2688
1991	719	6093	7.5	609	183	267	1921	7222	0.70	2167	1936	280	108	2339	2108
1992	727	5097	7.0	510	153	546	3970	8405	0.70	2521	2045	234	126	2630	2153
1993	734	4771	6.5	358	107	381	2794	7100	0.70	2130	1795	165	107	2188	1853
1994	742	5076	6.8	254	76	143	1064	5810	0.70	1743	1615	117	87	1773	1645
1995	749	4552	6.1	114	34	387	2897	7302	0.70	2190	1843	52	110	2133	1786
1996	778	5853	7.5	0	0	318	2470	8324	0.70	2497	2201	0	125	2372	2076
1997	806	7971	9.9	0	0	393	3167	11138	0.70	3341	2961	0	181	3160	2780
1998	844	7262	8.6	0	0	290	2445	9707	0.70	2912	2619	0	132	2780	2487
1999	881	5472	6.2	0	0	278	2448	7920	0.70	2376	2082	0	67	2309	2015
2000	902	5499	6.1	0	0	310	2798	8297	0.80	1659	1436	0	49	1610	1387
2001	923	6898	7.5	0	0	266	2452	9350	0.80	1870	1674	0	37	1833	1637
2002	887	7288	8.2	0	0	133	1178	8467	0.80	1693	1599	0	30	1663	1569
2003	852	9323	10.9	0	0	262	2228	11551	0.80	2310	2132	0	30	2280	2102
2004	897	8947	10.0	0	0	204	1833	10780	0.80	2156	2009	0	39	2117	1970
2005	905	9009	10.0	0	0	378	3420	12428	0.80	2486	2212	0	36	2450	2176
2006	909	8605	9.5	0	0	158	1439	10044	0.80	2009	1894	0	31	1978	1863
2007	730	6902	9.5	0	0	280	2045	8947	0.80	1789	1626	0	24	1765	1602
2008	691	5068	7.3	0	0	177	1224	6293	0.80	1259	1161	0	18	1241	1143
2009	783	4885	6.2	0	0	270	2114	6999	0.80	1400	1231	0	13	1387	1218
2010	615	4248	6.9	0	0	448	2753.9	7002	0.80	1400	1180	0	13	1387	1167

ATTACHMENT D: WAIKERIE NORTH IRRIGATION ACCESSION CALCULATION

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1940	318	2699	8.5	0	0	167	531	3231	0.55	1454	1358	0	0	1454	1358	10	5
1941	345	2931	8.5	0	0	293	1010	3941	0.55	1774	1592	0	0	1774	1592	11	5
1942	372	3163	8.5	0	0	317	1181	4344	0.55	1955	1742	0	0	1955	1742	12	5
1943	399	3395	8.5	0	0	172	686	4082	0.55	1837	1713	0	0	1837	1713	10	5
1944	427	3627	8.5	0	0	133	568	4196	0.55	1888	1786	0	0	1888	1786	10	4
1945	454	3859	8.5	0	0	209	949	4808	0.55	2164	1993	0	0	2164	1993	11	5
1946	481	4091	8.5	0	0	334	1608	5699	0.55	2565	2275	0	0	2565	2275	12	5
1947	509	4323	8.5	0	0	340	1729	6053	0.55	2724	2412	0	0	2724	2412	12	5
1948	536	4555	8.5	0	0	172	920	5476	0.55	2464	2298	0	0	2464	2298	10	5
1949	563	4787	8.5	0	0	247	1390	6177	0.55	2780	2530	0	0	2780	2530	11	5
1950	591	5019	8.5	0	0	344	2031	7051	0.55	3173	2807	0	0	3173	2807	12	5
1951	618	4942	8.0	0	0	220	1359	6301	0.55	2835	2591	0	0	2835	2591	10	5
1952	645	5161	8.0	0	0	231	1487	6648	0.55	2992	2724	0	0	2992	2724	10	5
1953	672	5379	8.0	0	0	170	1144	6523	0.55	2935	2729	0	0	2935	2729	10	4
1954	700	5598	8.0	0	0	279	1949	7547	0.55	3396	3045	0	0	3396	3045	11	5
1955	727	5816	8.0	0	0	238	1732	7548	0.55	3397	3085	0	0	3397	3085	10	5
1956	754	6034	8.0	0	0	288	2175	8209	0.55	3694	3303	0	0	3694	3303	11	5
1957	782	6253	8.0	0	0	126	981	7234	0.55	3255	3079	0	0	3255	3079	9	4
1958	809	6471	8.0	0	0	288	2333	8804	0.55	3962	3542	0	0	3962	3542	11	5
1959	836	6689	8.0	0	0	128	1072	7761	0.55	3493	3300	0	0	3493	3300	9	4
1960	863	5613	6.5	0	0	254	2196	7808	0.55	3514	3119	0	0	3514	3119	9	4
1961	868	5641	6.5	0	0	239	2078	7719	0.60	3088	2755	0	0	3088	2755	9	4
1962	872	5670	6.5	0	0	243	2122	7792	0.60	3117	2777	0	0	3117	2777	9	4
1963	877	5699	6.5	0	0	311	2728	8427	0.60	3371	2934	0	0	3371	2934	10	4

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1964	881	5728	6.5	0	0	281	2480	8208	0.60	3283	2886	0	0	3283	2886	9	4
1965	886	5757	6.5	0	0	181	1602	7359	0.60	2944	2687	0	0	2944	2687	8	3
1966	890	5786	6.5	0	0	195	1735	7520	0.60	3008	2731	0	0	3008	2731	8	3
1967	895	5814	6.5	0	0	82	732	6546	0.60	2618	2501	0	0	2618	2501	7	3
1968	899	5843	6.5	0	0	269	2414	8257	0.60	3303	2917	0	0	3303	2917	9	4
1969	903	5872	6.5	0	0	270	2436	8308	0.60	3323	2934	0	0	3323	2934	9	4
1970	908	5901	6.5	0	0	209	1895	7795	0.60	3118	2815	0	0	3118	2815	9	3
1971	912	5473	6.0	0	0	214	1949	7423	0.60	2969	2657	0	0	2969	2657	8	3
1972	917	5500	6.0	0	0	147	1351	6851	0.60	2741	2524	0	0	2741	2524	7	3
1973	921	5527	6.0	0	0	522	4806	10333	0.60	4133	3364	0	0	4133	3364	11	4
1974	926	5553	6.0	0	0	478	4426	9979	0.60	3992	3284	0	0	3992	3284	11	4
1975	930	5580	6.0	0	0	277	2573	8153	0.60	3261	2850	0	0	3261	2850	9	4
1976	934	5607	6.0	0	0	216	2021	7628	0.60	3051	2728	0	0	3051	2728	8	3
1977	939	5633	6.0	0	0	167	1570	7203	0.60	2881	2630	0	0	2881	2630	8	3
1978	943	5660	6.0	0	0	366	3453	9113	0.60	3645	3093	0	0	3645	3093	10	4
1979	948	5686	6.0	0	0	354	3359	9045	0.60	3618	3081	0	0	3618	3081	10	4
1980	952	5713	6.0	0	0	235	2238	7951	0.60	3180	2822	0	0	3180	2822	8	3
1981	957	5261	5.5	0	0	197	1883	7144	0.60	2858	2556	0	0	2858	2556	7	3
1982	961	5286	5.5	0	0	110	1059	6345	0.60	2538	2368	0	0	2538	2368	7	3
1983	965	5310	5.5	0	0	273	2637	7947	0.60	3179	2757	0	0	3179	2757	8	3
1984	970	5334	5.5	0	0	243	2361	7695	0.60	3078	2700	0	0	3078	2700	8	3
1985	974	4872	5.0	0	0	221	2153	7025	0.60	2810	2465	0	0	2810	2465	7	3
1986	979	4894	5.0	0	0	340	3330	8224	0.60	3289	2757	0	0	3289	2757	8	3
1987	983	4916	5.0	0	0	271	2661	7577	0.60	3031	2605	0	0	3031	2605	8	3
1988	988	4938	5.0	0	0	301	2971	7909	0.60	3164	2688	0	0	3164	2688	8	3
1989	992	4464	4.5	0	0	362	3587	8052	0.60	3221	2647	0	0	3221	2647	8	3

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1990	997	4484	4.5	0	0	244	2435	6920	0.60	2768	2378	0	0	2768	2378	7	3
1991	1001	4504	4.5	0	0	267	2674	7179	0.70	2154	1833	0	0	2154	1833	7	2
1992	1005	4042	4.0	0	0	546	5493	9536	0.70	2861	2201	0	0	2861	2201	9	3
1993	1010	5431	5.4	0	0	381	3843	9274	0.70	2782	2321	0	0	2782	2321	9	3
1994	1014	6839	6.7	0	0	143	1454	8294	0.70	2488	2314	0	0	2488	2314	8	2
1995	1019	6616	6.5	0	0	387	3938	10554	0.70	3166	2694	0	0	3166	2694	10	3
1996	1043	6931	6.6	0	0	318	3312	10243	0.70	3073	2675	0	0	3073	2675	10	3
1997	1067	6600	6.2	0	0	393	4190	10790	0.70	3237	2734	0	0	3237	2734	10	3
1998	1073	6680	6.2	0	0	290	3108	9788	0.70	2936	2563	0	0	2936	2563	9	3
1999	1078	6408	5.9	0	0	278	2996	9404	0.70	2821	2462	0	0	2821	2462	9	3
2000	1106	4523	4.1	0	0	310	3430	7953	0.75	1988	1645	0	0	1988	1645	7	2
2001	1133	6056	5.3	0	0	266	3009	9065	0.75	2266	1965	0	0	2266	1965	8	2
2002	1042	5977	5.7	0	0	133	1384	7361	0.75	1840	1702	0	0	1840	1702	7	2
2003	952	7229	7.6	0	0	262	2490	9718	0.75	2430	2181	0	0	2430	2181	10	3
2004	993	6274	6.3	0	0	204	2029	8303	0.75	2076	1873	0	0	2076	1873	8	2
2005	963	6445	6.7	0	0	378	3641	10086	0.75	2521	2157	0	0	2521	2157	10	3
2006	833	6022	7.2	0	0	158	1318	7340	0.75	1835	1703	0	0	1835	1703	9	2
2007	787	4437	5.6	0	0	280	2204	6641	0.75	1660	1440	0	0	1660	1440	8	2
2008	747	2468	3.3	0	0	177	1323	3791	0.75	948	815	0	0	948	815	5	1
2009	805	2867	3.6	0	0	270	2173	5040	0.75	1260	1043	0	0	1260	1043	6	2
2010	635	2500	3.9	0	0	448	2845	5345	0.75	1336	1052	0	0	1336	1052	8	2

ATTACHMENT E: QUALCO NORTH IRRIGATION ACCESSION CALCULATION

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (M/L)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1960	383	3830	10.0	0	0	254	974	4804	0.60	1921	1766	0	0	1921	1766	13	5
1961	387	3869	10.0	0	0	239	926	4796	0.60	1918	1770	0	0	1918	1770	12	5
1962	391	3909	10.0	0	0	243	951	4859	0.60	1944	1792	0	0	1944	1792	12	5
1963	395	3948	10.0	0	0	311	1228	5177	0.60	2071	1874	0	0	2071	1874	13	5
1964	399	3988	10.0	0	0	281	1122	5110	0.60	2044	1865	0	0	2044	1865	13	5
1965	403	4028	10.0	0	0	181	729	4756	0.60	1902	1786	0	0	1902	1786	12	5
1966	407	3457	8.5	0	0	195	793	4250	0.60	1700	1573	0	0	1700	1573	10	4
1967	411	3491	8.5	0	0	82	336	3827	0.60	1531	1477	0	0	1531	1477	9	4
1968	415	3524	8.5	0	0	269	1113	4638	0.60	1855	1677	0	0	1855	1677	11	4
1969	419	3558	8.5	0	0	270	1129	4687	0.60	1875	1694	0	0	1875	1694	11	4
1970	423	3592	8.5	0	0	209	882	4474	0.60	1789	1648	0	0	1789	1648	11	4
1971	427	3625	8.5	0	0	214	911	4537	0.60	1815	1669	0	0	1815	1669	11	4
1972	430	3659	8.5	0	0	147	635	4294	0.60	1717	1616	0	0	1717	1616	10	4
1973	434	3693	8.5	0	0	522	2267	5960	0.60	2384	2021	0	0	2384	2021	14	5
1974	438	3726	8.5	0	0	478	2096	5823	0.60	2329	1994	0	0	2329	1994	13	5
1975	442	3760	8.5	0	0	277	1224	4984	0.60	1994	1798	0	0	1994	1798	11	5
1976	446	3347	7.5	0	0	216	965	4313	0.60	1725	1571	0	0	1725	1571	10	4
1977	450	3377	7.5	0	0	167	753	4130	0.60	1652	1532	0	0	1652	1532	9	4
1978	454	3407	7.5	0	0	366	1663	5070	0.60	2028	1762	0	0	2028	1762	11	4
1979	458	3436	7.5	0	0	354	1624	5060	0.60	2024	1764	0	0	2024	1764	11	4
1980	462	3466	7.5	0	0	235	1086	4552	0.60	1821	1647	0	0	1821	1647	10	4
1981	466	3496	7.5	0	0	197	917	4413	0.60	1765	1618	0	0	1765	1618	9	4
1982	470	3526	7.5	0	0	110	518	4044	0.60	1617	1535	0	0	1617	1535	9	3
1983	474	3555	7.5	0	0	273	1295	4850	0.60	1940	1733	0	0	1940	1733	10	4

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (M/L)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1984	478	3585	7.5	0	0	243	1163	4748	0.60	1899	1713	0	0	1899	1713	10	4
1985	482	3133	6.5	0	0	221	1065	4198	0.60	1679	1509	0	0	1679	1509	9	3
1986	486	3158	6.5	0	0	340	1653	4811	0.60	1925	1660	0	0	1925	1660	10	4
1987	490	3184	6.5	0	0	271	1326	4510	0.60	1804	1592	0	0	1804	1592	9	4
1988	494	3210	6.5	0	0	301	1485	4695	0.60	1878	1640	0	0	1878	1640	10	4
1989	498	3236	6.5	0	0	362	1800	5036	0.60	2014	1726	0	0	2014	1726	10	4
1990	502	3261	6.5	0	0	244	1226	4488	0.60	1795	1599	0	0	1795	1599	9	4
1991	506	3287	6.5	0	0	267	1351	4638	0.70	1391	1229	0	0	1391	1229	9	3
1992	510	2957	5.8	0	0	546	2785	5741	0.70	1722	1388	0	0	1722	1388	11	3
1993	514	2527	4.9	0	0	381	1955	4482	0.70	1345	1110	0	0	1345	1110	9	3
1994	518	4011	7.8	0	0	143	742	4754	0.70	1426	1337	0	0	1426	1337	9	3
1995	521.5	3450	6.6	0	0	387	2016	5466	0.70	1640	1398	0	0	1640	1398	10	3
1996	570	3681	6.5	0	0	318	1810	5492	0.70	1647	1430	0	0	1647	1430	10	3
1997	618	4347	7.0	0	0	393	2429	6776	0.70	2033	1741	0	0	2033	1741	11	3
1998	642	3453	5.4	0	0	290	1861	5314	0.70	1594	1371	0	0	1594	1371	8	2
1999	666	3793	5.7	0	0	278	1850	5644	0.70	1693	1471	0	0	1693	1471	8	3
2000	687	4135	6.0	0	0	310	2131	6266	0.75	1567	1353	0	0	1567	1353	9	2
2001	707.9	4839	6.8	0	0	266	1880	6719	0.75	1680	1492	0	0	1680	1492	9	2
2002	696	4213	6.1	0	0	133	925	5138	0.75	1284	1192	0	0	1284	1192	7	2
2003	684.7	4374	6.4	0	0	262	1791	6165	0.75	1541	1362	0	0	1541	1362	9	2
2004	692.1	4417	6.4	0	0	204	1415	5832	0.75	1458	1316	0	0	1458	1316	8	2
2005	664.3	4550	6.8	0	0	378	2511	7061	0.75	1765	1514	0	0	1765	1514	11	3
2006	656.9	4346	6.6	0	0	158	1039	5385	0.75	1346	1242	0	0	1346	1242	8	2
2007	641.8	3549	5.5	0	0	280	1798	5348	0.75	1337	1157	0	0	1337	1157	8	2
2008	639.7	3542	5.5	0	0	177	1134	4675	0.75	1169	1055	0	0	1169	1055	7	2
2009	641.8	3747	5.8	0	0	270	1733	5480	0.75	1370	1197	0	0	1370	1197	9	2

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (M/L)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
2010	583.4	3400	5.8	0	0	448	2613	6013	0.75	1503	1242	0	0	1503	1242	10	3

ATTACHMENT F: CADELL NORTH IRRIGATION ACCESSION CALCULATION

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1940	11	146	13.5	0	0	167	18	164	0.55	74	70	0	0	74	70	15	7
1941	11	149	13.5	0	0	293	32	181	0.55	81	76	0	0	81	76	16	7
1942	11	152	13.5	0	0	317	36	187	0.55	84	78	0	0	84	78	17	8
1943	11	154	13.5	0	0	172	20	174	0.55	78	75	0	0	78	75	15	7
1944	12	157	13.5	0	0	133	16	173	0.55	78	75	0	0	78	75	15	7
1945	12	160	13.5	0	0	209	25	185	0.55	83	79	0	0	83	79	16	7
1946	12	163	13.5	0	0	334	40	204	0.55	92	84	0	0	92	84	17	8
1947	12	166	13.5	0	0	340	42	208	0.55	94	86	0	0	94	86	17	8
1948	13	169	13.5	0	0	172	22	191	0.55	86	82	0	0	86	82	15	7
1949	13	172	13.5	0	0	247	32	204	0.55	92	86	0	0	92	86	16	7
1950	13	175	13.5	0	0	344	45	220	0.55	99	91	0	0	99	91	17	8
1951	13	178	13.5	0	0	220	29	207	0.55	93	88	0	0	93	88	16	7
1952	13	181	13.5	0	0	231	31	212	0.55	96	90	0	0	96	90	16	7
1953	14	184	13.5	0	0	170	23	208	0.55	93	89	0	0	93	89	15	7
1954	14	187	13.5	0	0	279	39	226	0.55	102	95	0	0	102	95	16	7
1955	14	190	13.5	0	0	238	34	224	0.55	101	95	0	0	101	95	16	7
1956	14	193	13.5	0	0	288	41	235	0.55	106	98	0	0	106	98	16	7
1957	15	196	13.5	0	0	126	18	214	0.55	97	93	0	0	97	93	15	7
1958	15	199	13.5	0	0	288	43	242	0.55	109	101	0	0	109	101	16	7
1959	15	202	13.5	0	0	128	19	221	0.55	100	96	0	0	100	96	15	7
1960	15	205	13.5	0	0	254	39	244	0.55	110	103	0	0	110	103	16	7
1961	15	208	13.5	0	0	239	37	245	0.60	98	92	0	0	98	92	16	6
1962	16	211	13.5	0	0	243	38	249	0.60	100	94	0	0	100	94	16	6
1963	16	214	13.5	0	0	311	49	263	0.60	105	97	0	0	105	97	17	7

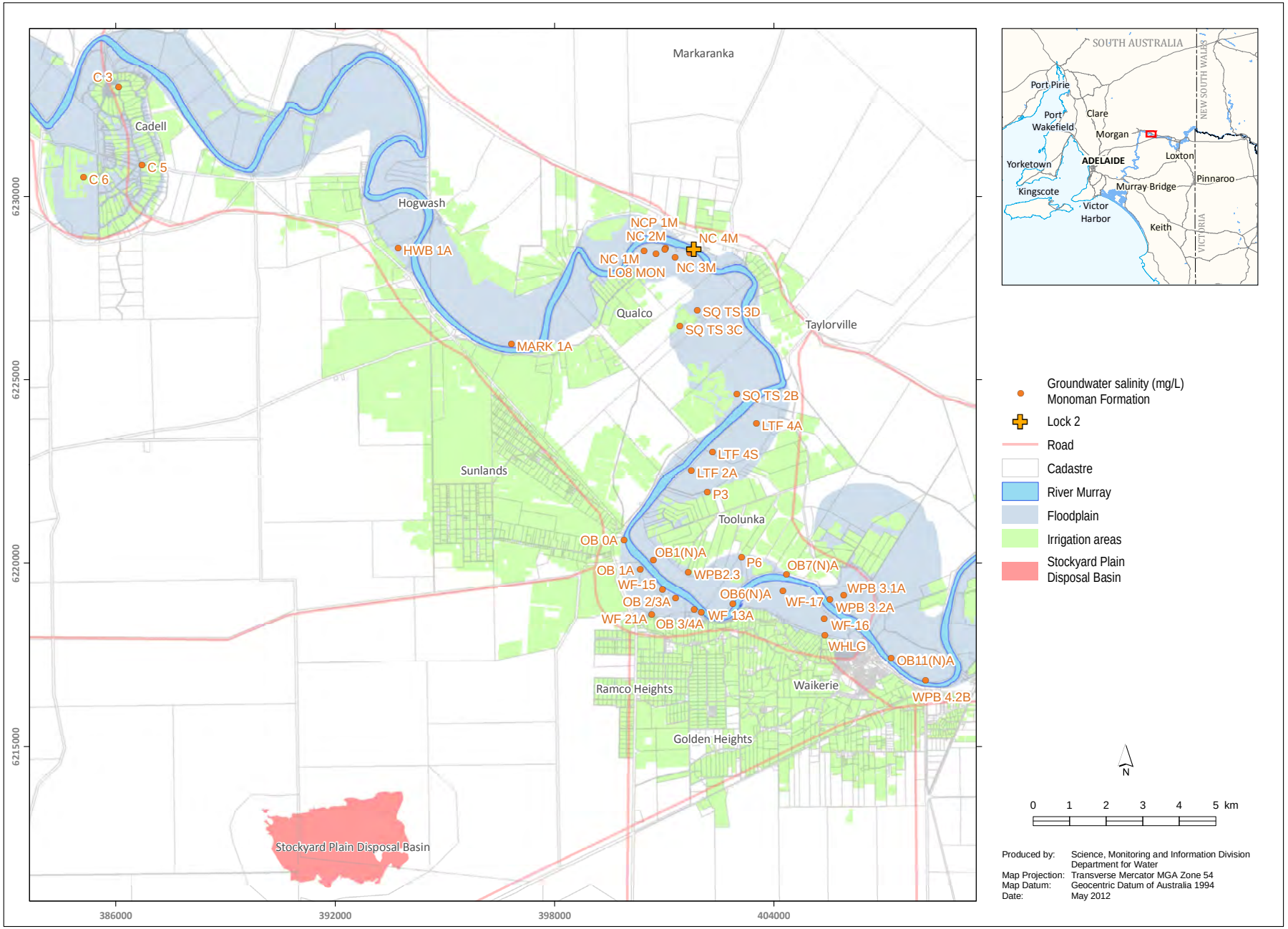
Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1964	16	217	13.5	0	0	281	45	262	0.60	105	98	0	0	105	98	16	7
1965	16	220	13.5	0	0	181	29	250	0.60	100	95	0	0	100	95	15	6
1966	17	223	13.5	0	0	195	32	255	0.60	102	97	0	0	102	97	15	6
1967	17	226	13.5	0	0	82	14	240	0.60	96	94	0	0	96	94	14	6
1968	17	229	13.5	0	0	269	46	275	0.60	110	103	0	0	110	103	16	6
1969	17	232	13.5	0	0	270	46	278	0.60	111	104	0	0	111	104	16	6
1970	17	235	13.5	0	0	209	36	271	0.60	109	103	0	0	109	103	16	6
1971	18	238	13.5	0	0	214	38	276	0.60	110	104	0	0	110	104	16	6
1972	18	241	13.5	0	0	147	26	267	0.60	107	103	0	0	107	103	15	6
1973	18	244	13.5	0	0	522	94	338	0.60	135	120	0	0	135	120	19	7
1974	18	247	13.5	0	0	478	87	334	0.60	134	120	0	0	134	120	18	7
1975	19	250	13.5	0	0	277	51	301	0.60	120	112	0	0	120	112	16	7
1976	19	253	13.5	0	0	216	41	293	0.60	117	111	0	0	117	111	16	6
1977	19	256	13.5	0	0	167	32	288	0.60	115	110	0	0	115	110	15	6
1978	19	259	13.5	0	0	366	70	329	0.60	132	120	0	0	132	120	17	7
1979	19	262	13.5	0	0	354	69	331	0.60	132	121	0	0	132	121	17	7
1980	20	265	13.5	0	0	235	46	311	0.60	124	117	0	0	124	117	16	6
1981	20	268	13.5	0	0	197	39	307	0.60	123	116	0	0	123	116	15	6
1982	20	271	13.5	0	0	110	22	293	0.60	117	114	0	0	117	114	15	6
1983	20	274	13.5	0	0	273	55	329	0.60	132	123	0	0	132	123	16	6
1984	21	277	13.5	0	0	243	50	327	0.60	131	123	0	0	131	123	16	6
1985	21	280	13.5	0	0	221	46	326	0.60	130	123	0	0	130	123	16	6
1986	21	283	13.5	0	0	340	71	354	0.60	142	130	0	0	142	130	17	7
1987	21	286	13.5	0	0	271	57	343	0.60	137	128	0	0	137	128	16	6
1988	21	289	13.5	0	0	301	64	353	0.60	141	131	0	0	141	131	17	7
1989	22	292	13.5	0	0	362	78	370	0.60	148	135	0	0	148	135	17	7

Year	Irrigation Area (ha)	Pumped Volume (ML)	Pumped Volume Rate (ML/ha)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff})	Accession from spill + trans-mission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Accession volume (ML) (R_{eff})	Total Application (ML/Ha)	Accession (ML/Ha)
1990	22	295	13.5	0	0	244	53	348	0.60	139	131	0	0	139	131	16	6
1991	22	298	13.5	0	0	267	59	357	0.70	107	100	0	0	107	100	16	5
1992	22	346	15.6	0	0	546	122	468	0.70	140	126	0	0	140	126	21	6
1993	22	298	13.2	0	0	381	86	383	0.70	115	105	0	0	115	105	17	5
1994	23	313	13.8	0	0	143	33	346	0.70	104	100	0	0	104	100	15	5
1995	23	313	13.6	0	0	387	89	402	0.70	120	110	0	0	120	110	18	5
1996	26	308	11.9	0	0	318	82	390	0.70	117	107	0	0	117	107	15	5
1997	29	342	11.8	0	0	393	114	455	0.70	137	123	0	0	137	123	16	5
1998	32	407	12.7	0	0	290	92	499	0.70	150	139	0	0	150	139	16	5
1999	35	424	12.1	0	0	278	97	521	0.70	156	145	0	0	156	145	15	4
2000	36	387	10.6	0	0	310	113	499	0.75	125	114	0	0	125	114	14	3
2001	38	344	9.1	0	0	266	100	444	0.75	111	101	0	0	111	101	12	3
2002	38	331	8.8	0	0	133	50	382	0.75	95	90	0	0	95	90	10	3
2003	38	315	8.4	0	0	262	98	413	0.75	103	93	0	0	103	93	11	3
2004	41	278	6.8	0	0	204	83	362	0.75	90	82	0	0	90	82	9	2
2005	34	340	10.0	0	0	378	129	469	0.75	117	104	0	0	117	104	14	3
2006	32	354	10.9	0	0	158	51	405	0.75	101	96	0	0	101	96	13	3
2007	27	243	9.1	0	0	280	75	319	0.75	80	72	0	0	80	72	12	3
2008	25	194	7.6	0	0	177	45	239	0.75	60	55	0	0	60	55	9	2
2009	27	114	4.3	0	0	270	72	187	0.75	47	39	0	0	47	39	7	2
2010	9	64	7.2	0	0	448	40	103	0.75	26	22	0	0	26	22	12	3

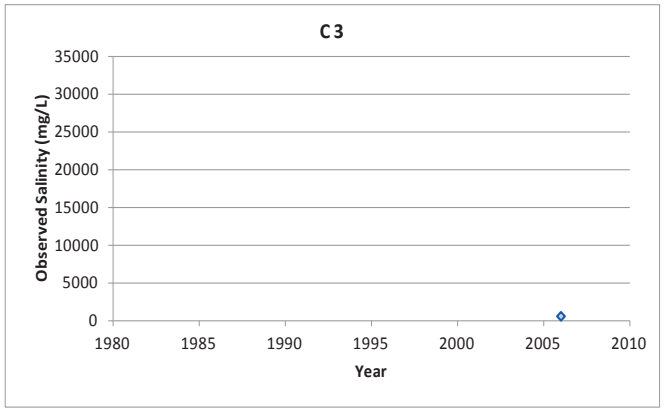
C. SUPPLEMENTARY REPORTS AND ANALYSES

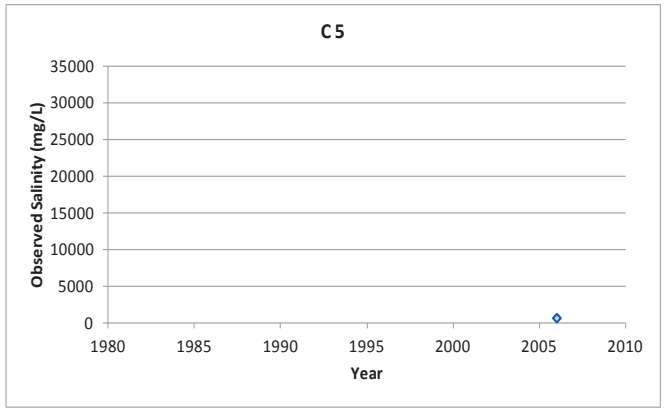
C-2 SALINOGRAPHS FOR THE MONOMAN FORMATION IN THE WAIKERIE TO MORGAN AREAS

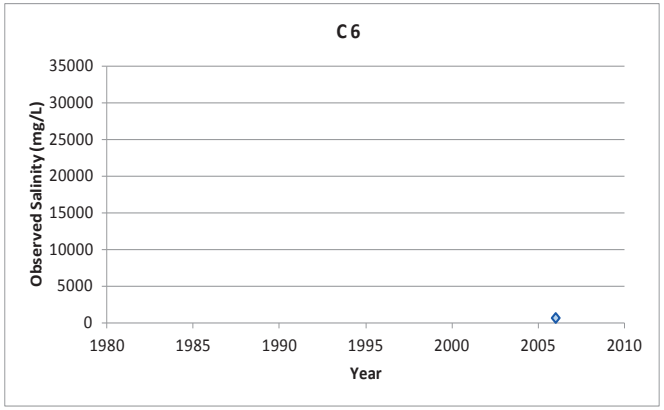
- Location of groundwater salinity observation bores in the Monoman Formation
- Salinographs for the Monoman Formation

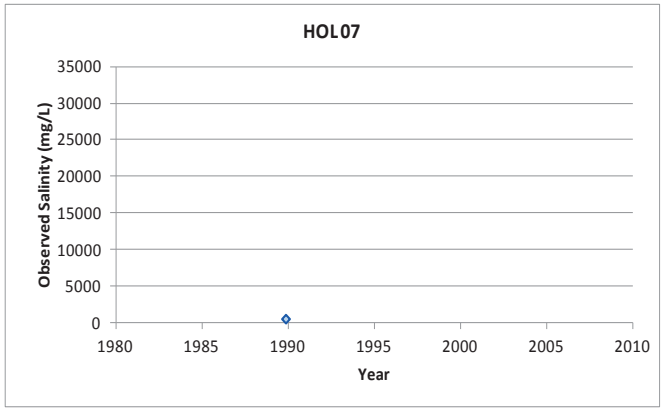


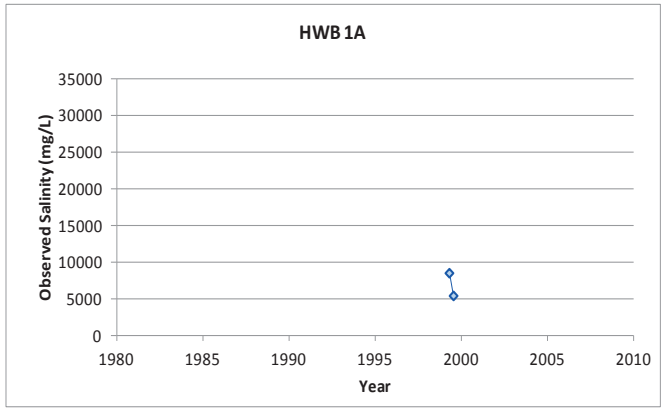
C-2. Location of Groundwater Salinity Observation Bores in the Monoman Formation

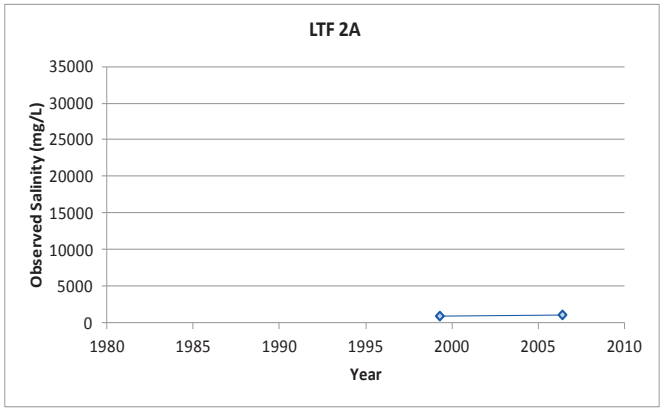


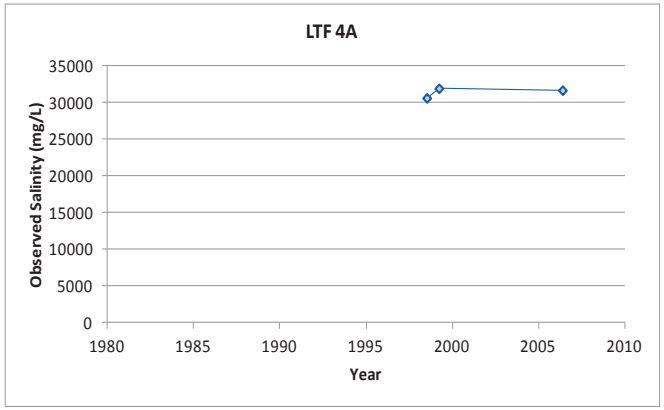


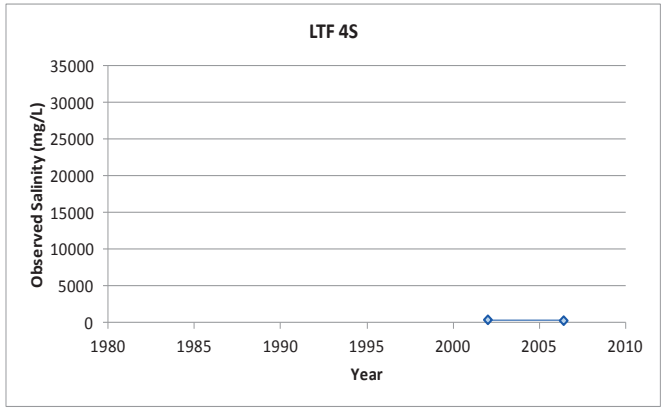


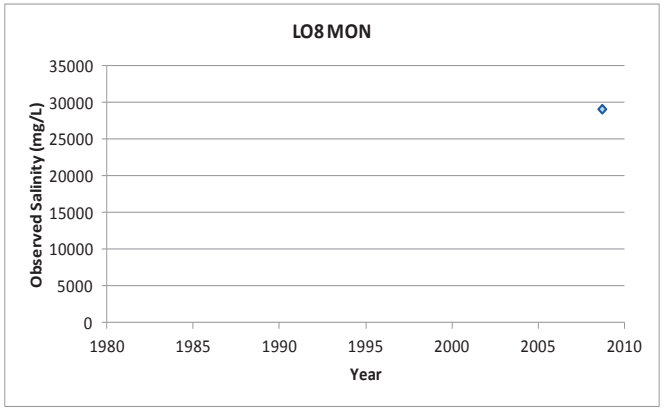




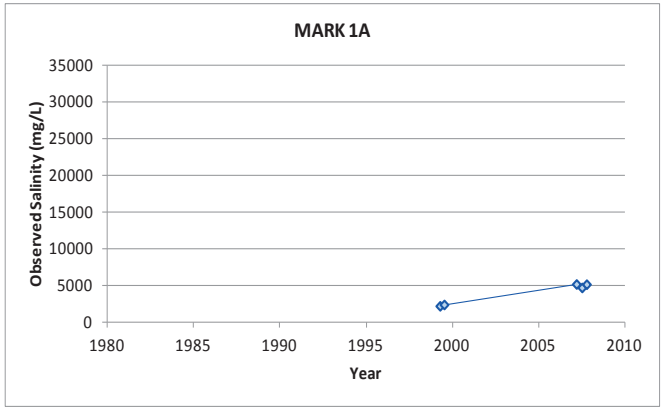


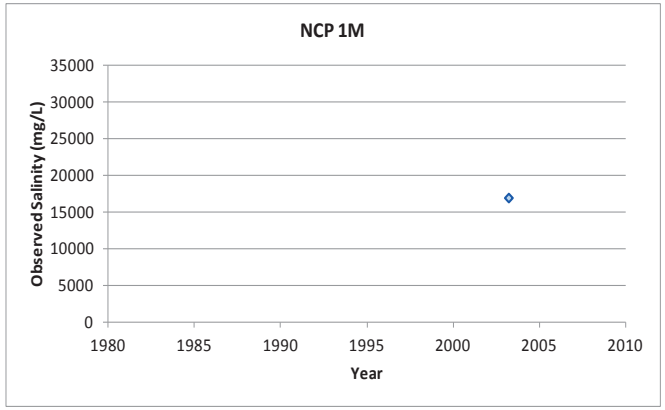


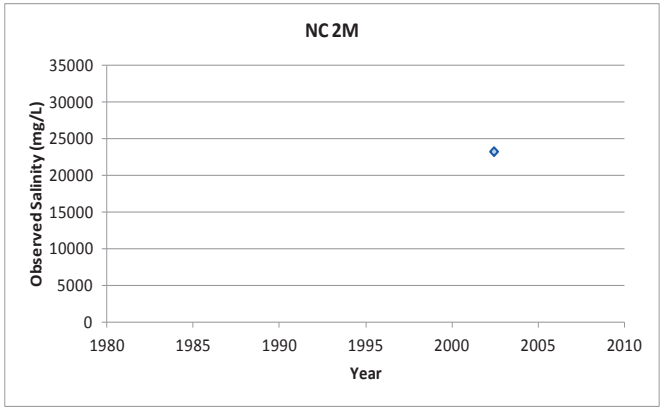


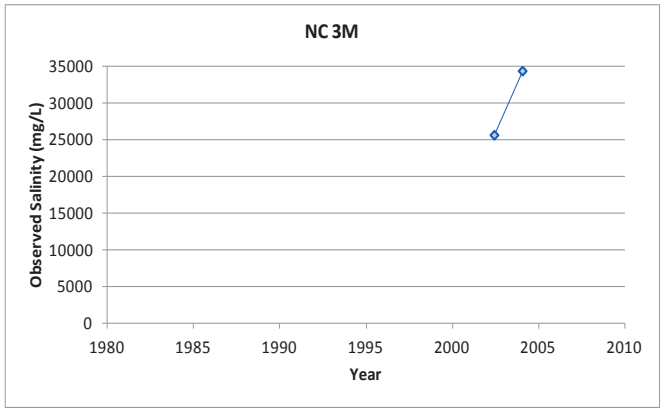


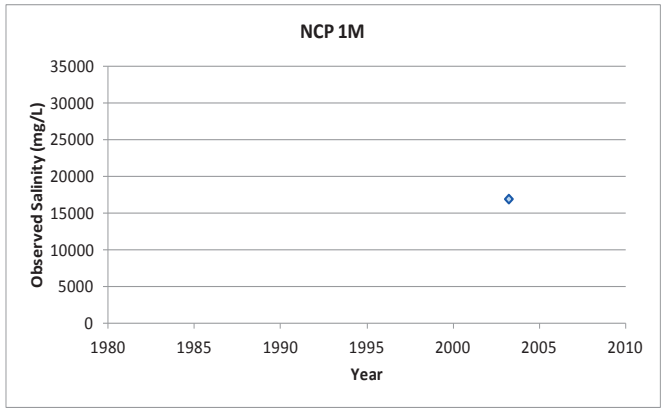
C-2. Salinographs for the Monoman formation in the Waikerie to Morgan areas
Part(1/5)

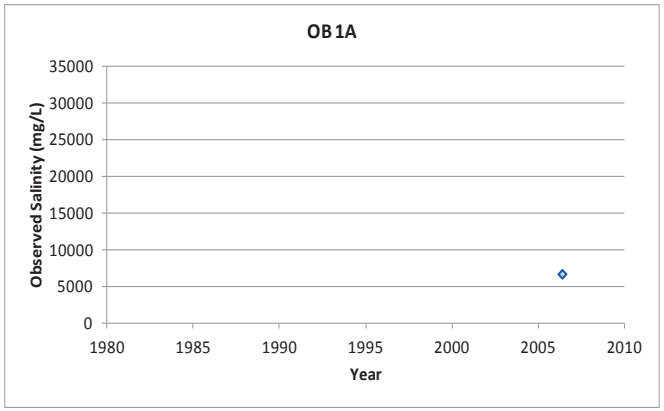


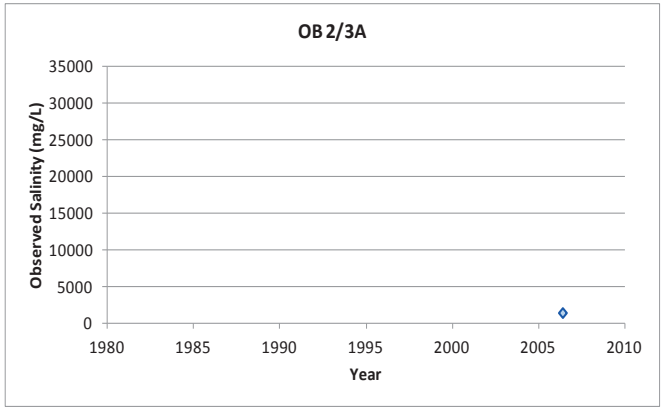


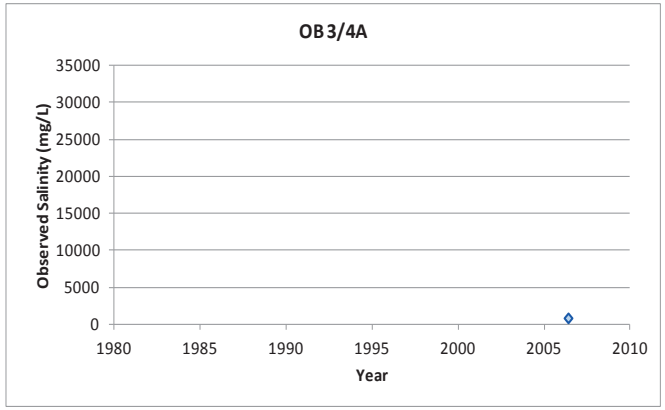


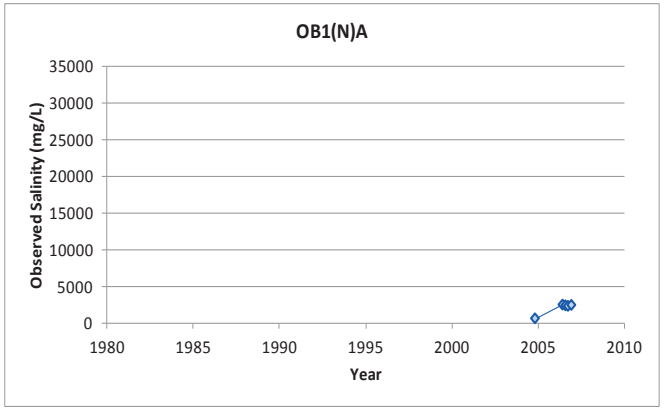




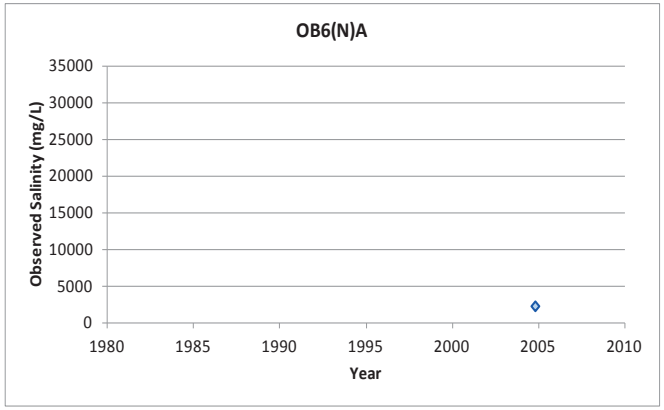


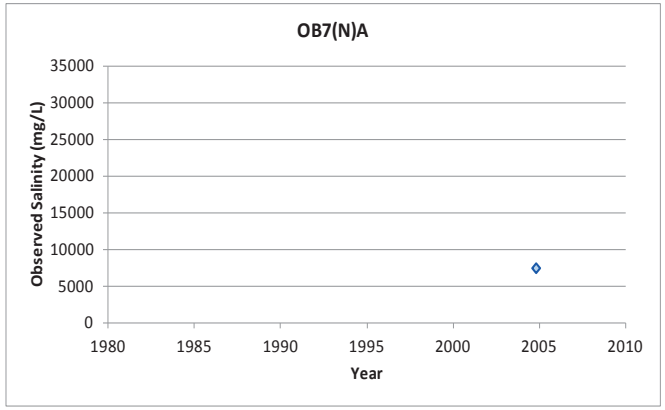


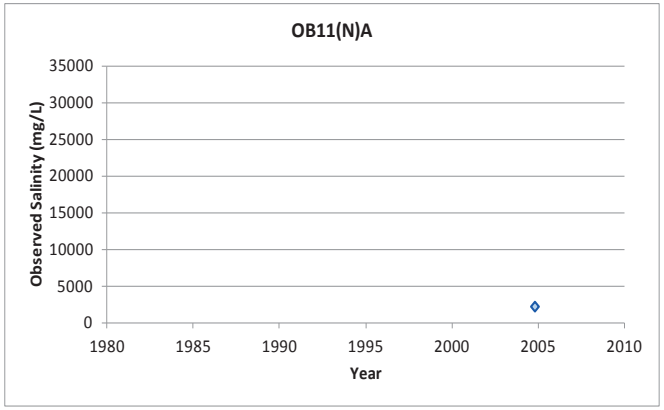


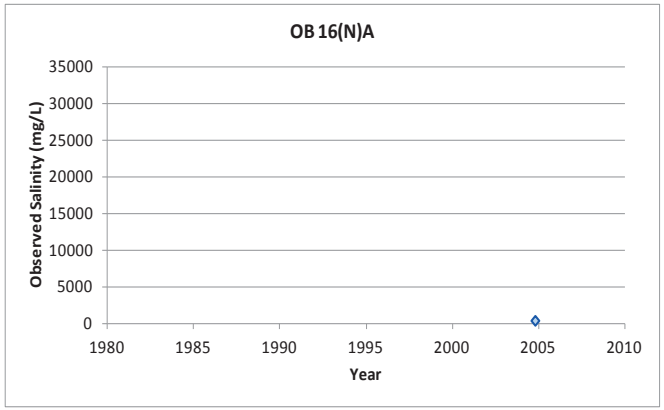


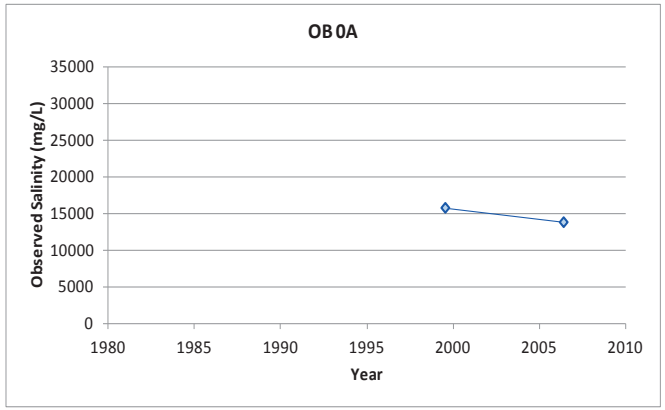
C-2. Salinographs for the Monoman formation in the Waikerie to Morgan areas
Part(2/5)

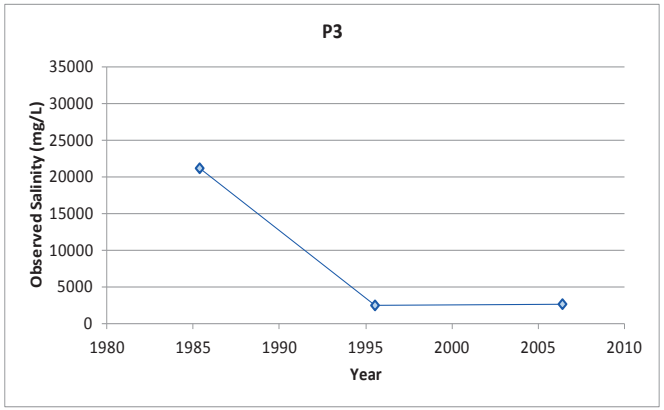


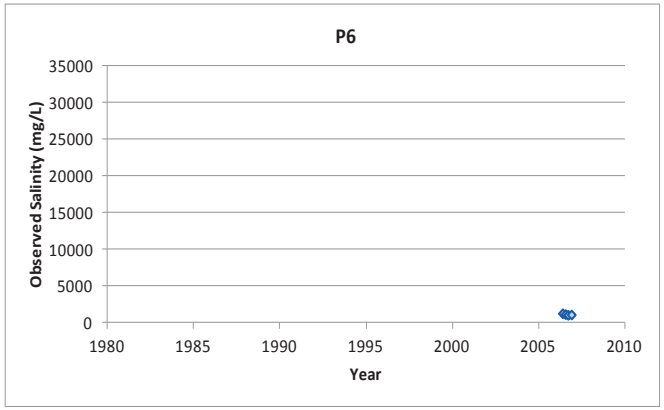


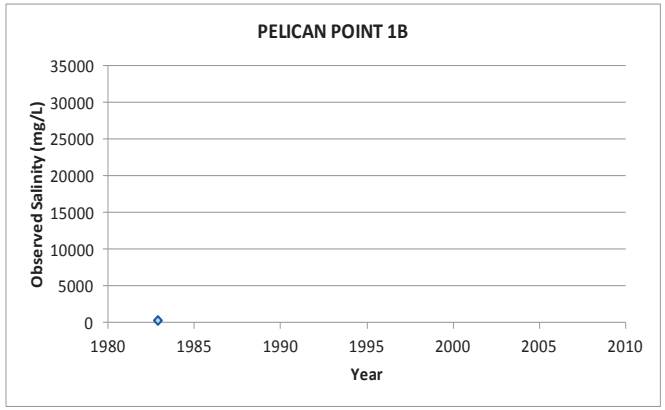


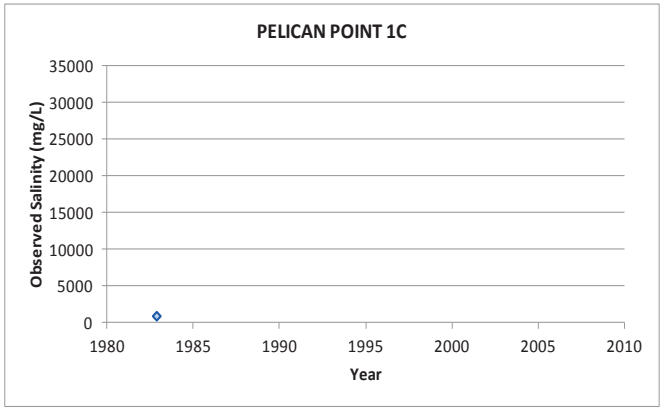




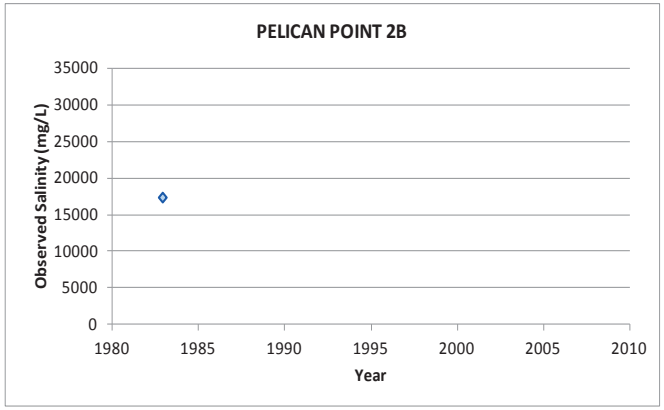


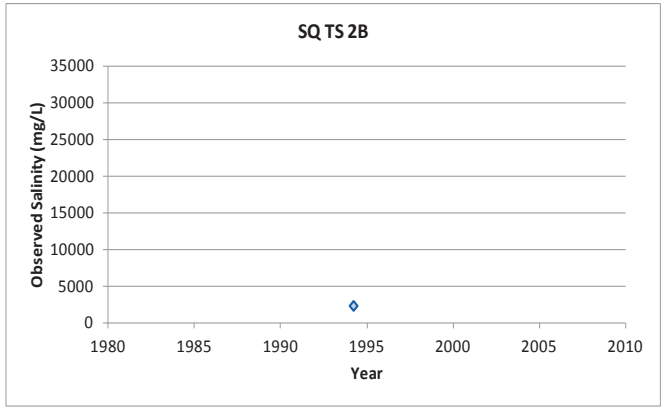


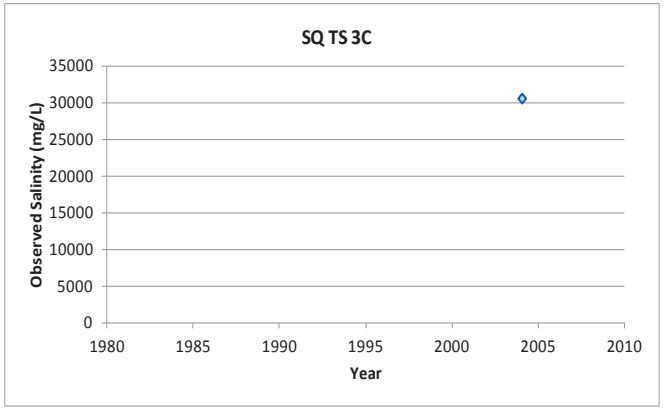


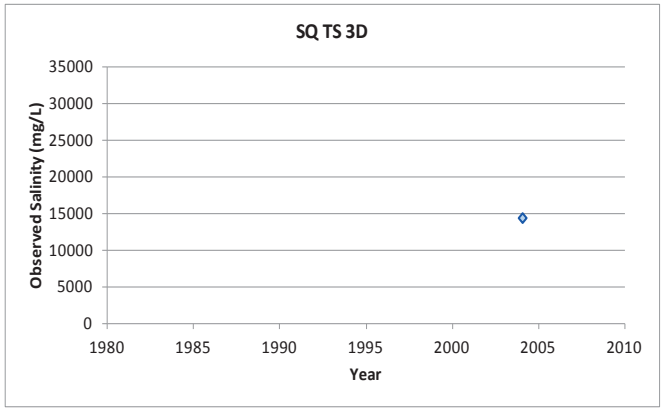


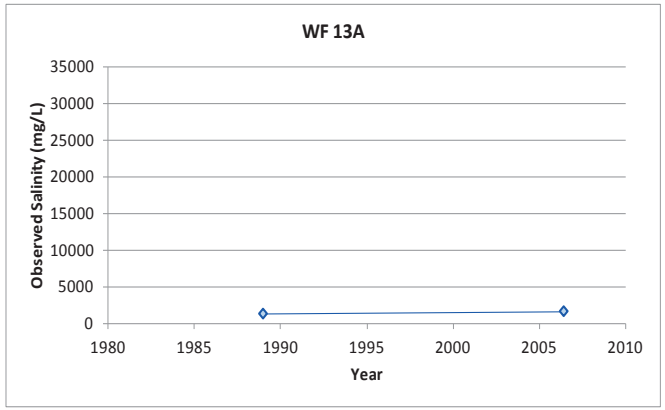
C-2. Salinographs for the Monoman formation in the Waikerie to Morgan areas
Part(3/5)

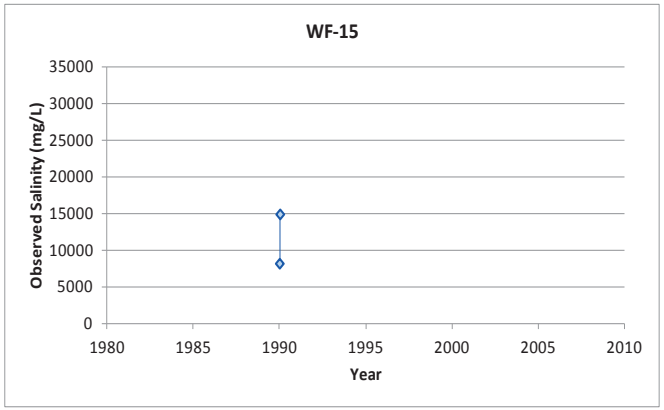


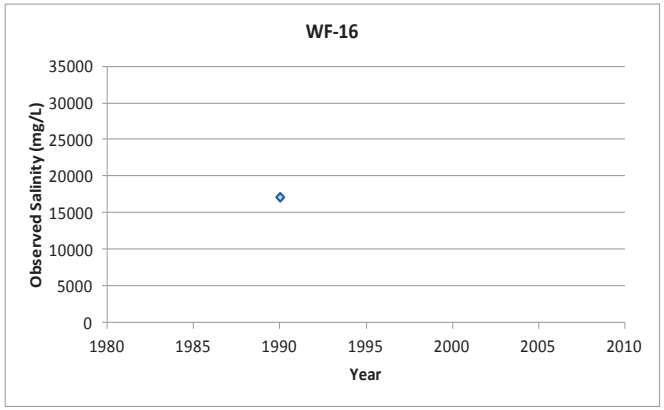


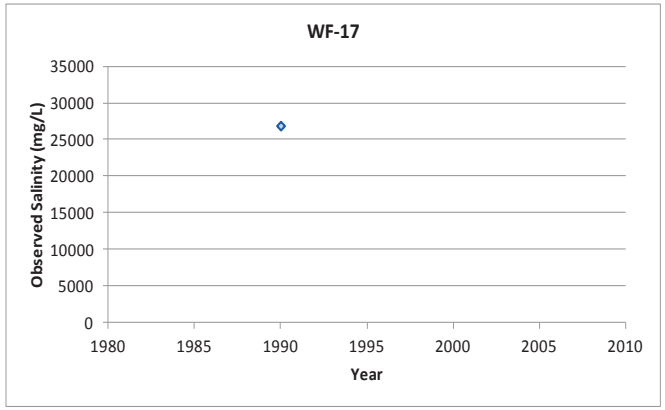


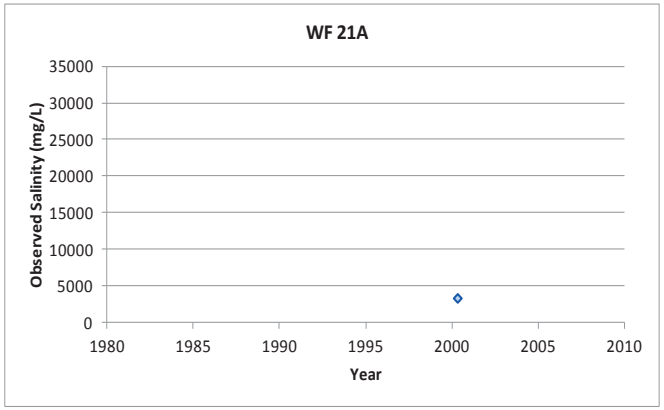




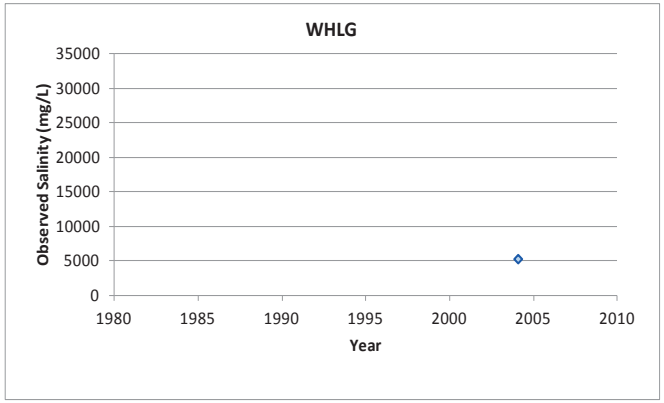


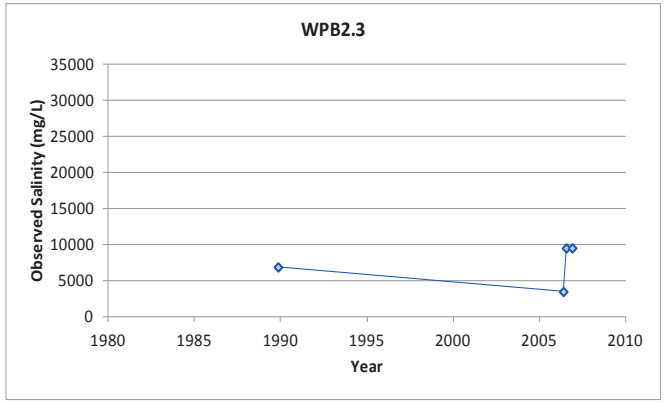


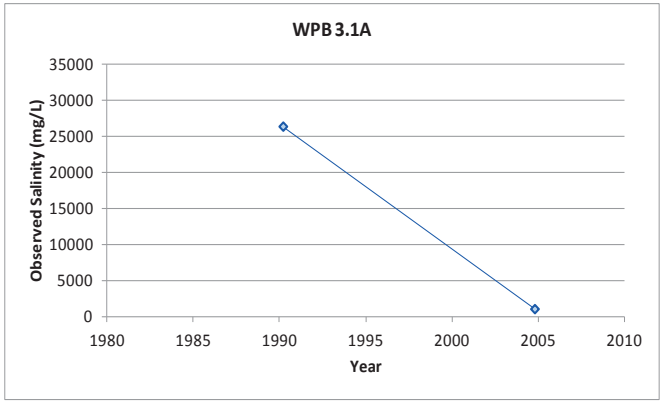


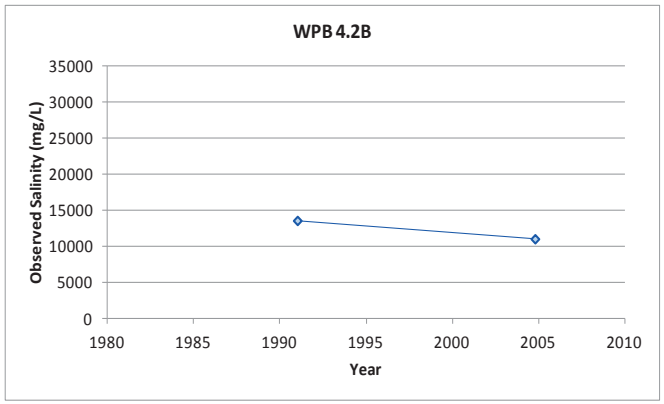


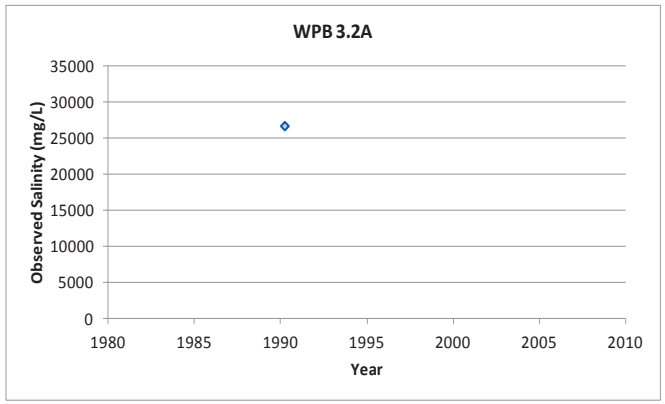
C-2. Salinographs for the Monoman formation in the Waikerie to Morgan areas
Part(4/5)









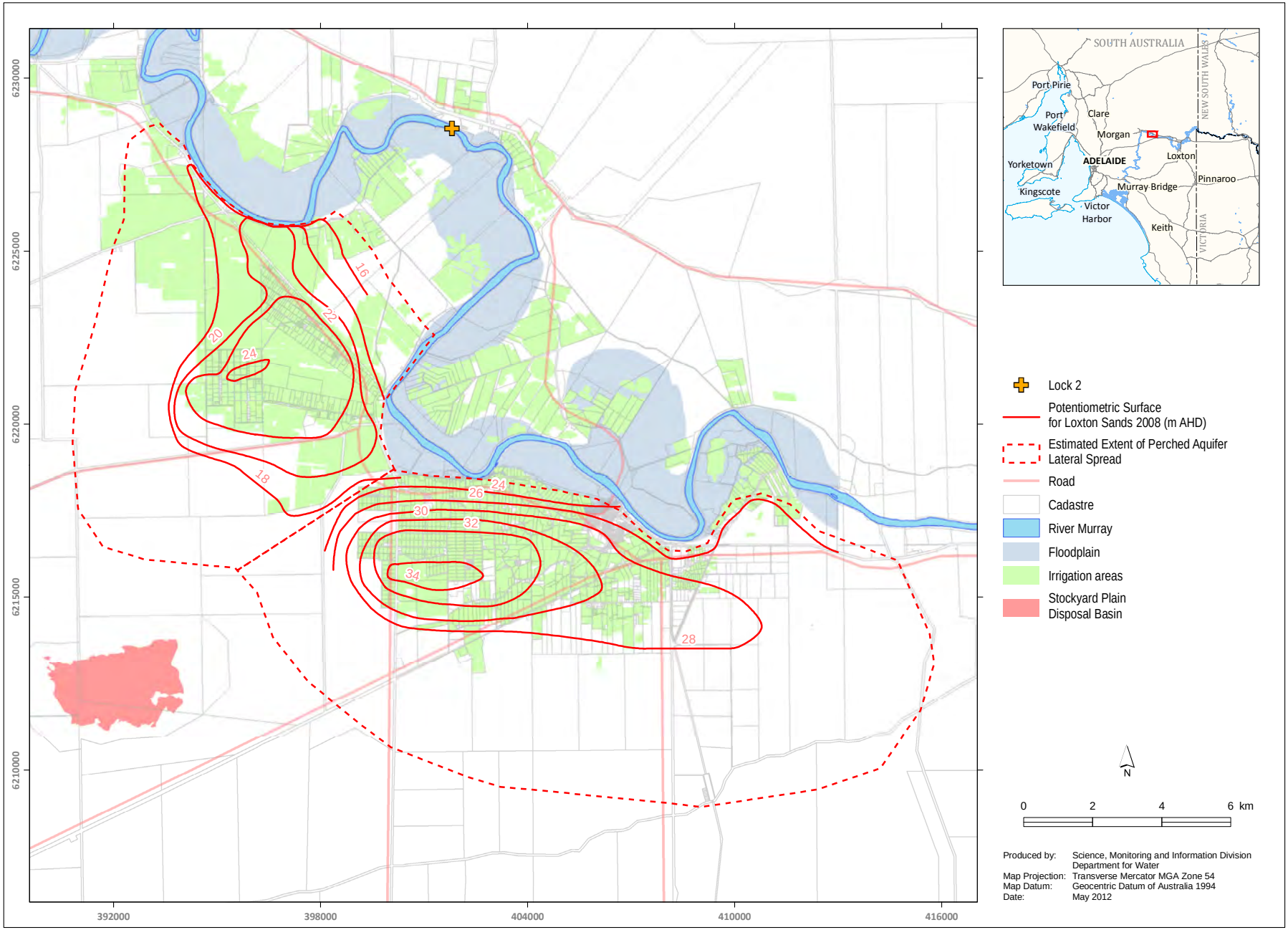


C-2. Salinographs for the Monoman formation in the Waikerie to Morgan areas
Part(5/5)

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-3 WATER BALANCE CALCULATIONS FOR THE IRRIGATION-INDUCED PERCHED AQUIFERS IN QUALCO AND WAIKERIE

- Perched aquifer volumes for the Loxton Sands and Woorinen Formation
- Seepage volumes
- Lateral spread of the perched aquifers in the Loxton Sands



C-3. Potentiometric Surface for the Loxton Sands in 2008 and the Estimated Extent of Perched Aquifer Lateral Spread

Table 1. Water balance calculations for the groundwater mounds in the Loxton Sands and the Woorienen Formation in Qualco with QSTGCS

Potentiometric surface contour (m AHD)	Area of the potentiometric surface contour (m^2)	Assumed layer bottom elevation (m AHD)	Assumed porosity	Groundwater mound volume in Loxton Sands (m^3)	Groundwater mound volume in Loxton Sands (ML)	Groundwater mound volume in Woorienen Formation (ML)†	Total groundwater mound volume (ML)
18	13190943	15	0.1	3957283	3957	-	-
20	11097862	15	0.1	5548931	5549	-	-
22	12717288	15	0.1	8902102	8902	-	-
24	372795	15	0.1	335516	336	-	-
Total	-	-	-	18743832	18744	5623	24367

Table 2. Water balance calculations for the groundwater mounds in the Loxton Sands and the Woorienen Formation in Qualco without QSTGCS‡

Potentiometric surface contour (m AHD)	Area of the potentiometric surface contour (m^2)	Assumed layer bottom elevation (m AHD)	Assumed porosity	Groundwater mound volume in Loxton Sands (m^3)	Groundwater mound volume in Loxton Sands (ML)	Groundwater mound volume in Woorienen Formation (ML)†	Total groundwater mound volume (ML)
18	13190943	15	0.1	3957283	3957	-	-
20	11097862	15	0.1	5548931	5548931	-	-
25*	12717288	15	0.1	12717288	12717288	-	-
27*	372795	15	0.1	447354	447354	-	-
Total	-	-	-	22670857	22671	6801	29472

Table 3. Water balance calculations for the groundwater mounds in the Loxton Sands and the Woorienen Formation in Waikerie

Potentiometric surface contour (m AHD)	Area of the potentiometric surface contour (m^2)	Assumed layer bottom elevation (m AHD)	Assumed porosity	Groundwater mound volume in Loxton Sands (m^3)	Groundwater mound volume in Loxton Sands (ML)	Groundwater mound volume in Woorienen Formation (ML)†	Total groundwater mound volume (ML)
28	16478641	25	0.1	4943592	4944	-	-
30	7488989	25	0.1	3744495	3744495	-	-
32	7161198	25	0.1	5012838	5012838	-	-
34	1717541	25	0.1	1545787	1545787	-	-
Total	-	-	-	15246712	15247	4574	19821

† The volume of the perched aquifer in the Woorienen Formation is assumed to be 30% of the volume of the perched aquifer in the Loxton Sands.

* QSTGCS is currently being operated to keep the water table 3 m below the land surface. Therefore the centre of the perched aquifer in Qualco is assumed to be 3 m higher before the QSTGCS became operational.

‡ Most of the pumping wells of QSTGCS are within the Glenforslan Formation, which can impact the perched aquifer in the Loxton Sands. Therefore Table 2 is required to show the perched aquifer volume before the QSTGCS became operational, while Table 1 shows the perched aquifer volume after QSTGCS became operational.

C-3. Water balance calculations for the perched aquifers in the Loxton Sands and Woorienen Formation in Qualco and Waikerie

Region	QSTGCS	Width (m)	Distance (m)	Head gradient (m)	K (m/d)	Q (m^3/d)	Q (ML/y)	Q (L/s)
Qualco North	YES	1500	50	2	5	300	110	3.5
Qualco West	YES	3800	1200	6	5	95	35	1.1
Qualco South-East	YES	2300	950	4	5	48	18	0.6
Qualco Total	**YES**	**-**	**-**	**-**	**-**	**443**	**162**	**5.1**
Qualco North	NO	1500	50	5	5	750	274	8.7
Qualco West	NO	3800	1200	9	5	143	52	1.6
Qualco South-East	NO	2300	950	7	5	85	31	1.0
Qualco Total	**NO**	**-**	**-**	**-**	**-**	**977**	**357**	**11.3**
Waikerie Total	**-**	**9700**	**1600**	**8**	**5**	**243**	**89**	**2.8**

C-3. Cliff seepage calculations for Qualco and Waikerie

Year	Irrigation accession rate (ML)	Model recharge (ML)	Difference between accession and recharge (ML)	Cliff seepage (ML)	Lateral spread (ML)
1890	470	-	470	0	470
1891	522	-	522	0	522
1892	574	-	574	0	574
1893	625	-	625	0	625
1894	677	-	677	0	677
1895	728	-	728	0	728
1896	843	-	843	0	843
1897	912	-	912	0	912
1898	1068	-	1068	0	1068
1899	1188	-	1188	0	1188
1900	1264	-	1264	0	1264
1901	1343	-	1343	0	1343
1902	1462	-	1462	0	1462
1903	1713	-	1713	0	1713
1904	1734	-	1734	100	1634
1905	1870	-	1870	100	1770
1906	2023	-	2023	100	1923
1907	2107	-	2107	100	2007
1908	2286	-	2286	100	2186
1909	2358	-	2358	100	2258
1910	2636	-	2636	100	2536
1911	2801	-	2801	100	2701
1912	3100	-	3100	100	3000
1913	3121	-	3121	100	3021
1914	2996	-	2996	100	2896
1915	3196	-	3196	100	3096
1916	3345	-	3345	100	3245
1917	3420	-	3420	100	3320
1918	3125	-	3125	100	3025
1919	3428	-	3428	100	3328
1920	3500	3	3497	100	3397
1921	9802	3	9799	100	9699
1922	9269	3	9266	100	9166
1923	9173	3	9170	100	9070
1924	9673	3	9670	100	9570
1925	9414	3	9411	100	9311
1926	9403	3	9400	100	9300
1927	8955	3	8952	100	8852
1928	9540	3	9537	100	9437
1929	9342	3	9339	100	9239
1930	9773	7294	2480	100	2380
1931	9570	7294	2276	100	2176
1932	9765	7294	2471	100	2371
1933	9482	7294	2188	100	2088
1934	9655	7294	2361	100	2261
1935	9457	7294	2164	100	2064
1936	10286	7294	2992	100	2892
1937	10322	7294	3028	100	2928
1938	9469	7294	2175	100	2075
1939	9867	7294	2573	100	2473
1940	9555	6418	3138	100	3038
1941	10157	6418	3739	100	3639
1942	10303	6418	3885	100	3785
1943	9673	6418	3255	100	3155
1944	9528	6418	3110	100	3010
1945	9908	6418	3490	100	3390
1946	10518	6418	4100	100	4000
1947	10580	6418	4162	100	4062
1948	9834	6418	3416	100	3316
1949	10216	6418	3798	100	3698
1950	10703	5558	5145	100	5045

Year	Irrigation accession rate (ML)	Model recharge (ML)	Difference between accession and recharge (ML)	Cliff seepage (ML)	Lateral spread (ML)
1951	10399	5558	4841	100	4741
1952	10464	5558	4905	100	4805
1953	9925	5558	4367	100	4267
1953	10753	5558	5194	100	5094
1955	10291	5558	4732	100	4632
1956	10529	5558	4971	100	4871
1957	10089	5558	4531	100	4431
1958	11177	5558	5618	100	5518
1959	10823	5558	5265	100	5165
1960	11945	5818	6127	100	6027
1961	10912	5818	5093	100	4993
1962	11059	5818	5241	100	5141
1963	11787	5818	5969	100	5869
1964	12183	5818	6365	100	6265
1965	11935	5812	6123	100	6023
1966	12087	5812	6275	100	6175
1967	11424	5812	5612	100	5512
1968	12750	5812	6938	100	6838
1969	12171	5812	6359	100	6259
1970	10708	5400	5308	100	5208
1971	10725	5400	5325	100	5225
1972	10335	5400	4935	100	4835
1973	12047	5400	6647	100	6547
1974	11965	5400	6566	100	6466
1975	10662	5951	4711	100	4611
1976	8872	5951	2921	100	2821
1977	8746	5951	2795	100	2695
1978	9312	5951	3362	100	3262
1979	9304	5951	3353	100	3253
1980	7591	5591	2000	100	1900
1981	7364	5591	1773	100	1673
1982	6995	5591	1404	100	1304
1983	7757	5591	2166	100	2066
1984	7642	5591	2051	100	1951
1985	7557	5251	2306	100	2206
1986	7948	5251	2696	100	2596
1987	7681	5251	2430	100	2330
1988	7587	4869	2718	100	2618
1989	8315	4481	3834	100	3734
1990	6153	4004	2150	100	2050
1991	6251	3834	2417	100	2317
1992	6892	3706	3185	100	3085
1993	6495	3621	2873	100	2773
1994	5973	3494	2479	100	2379
1995	5303	3366	1937	100	1837
1996	5559	3237	2321	100	2221
1997	5819	3109	2709	100	2609
1998	5112	3025	2088	100	1988
1999	5718	2940	2779	100	2679
2000	4280	2805	1474	100	1374
2001	4722	2720	2001	100	1901
2002	3984	2720	1263	100	1163
2003	4326	2720	1606	100	1506
2004	3740	2720	1020	100	920
2005	4495	2773	1722	100	1622
2006	3601	2773	828	100	728
2007	3378	2911	467	100	367
2008	2769	2911	-141	100	-241
2009	3102	2762	340	100	240
2010	3116	2592	524	100	424

C-3. Water balance calculations for the lateral spread of the perched aquifer in the Loxton Sands in Qualco

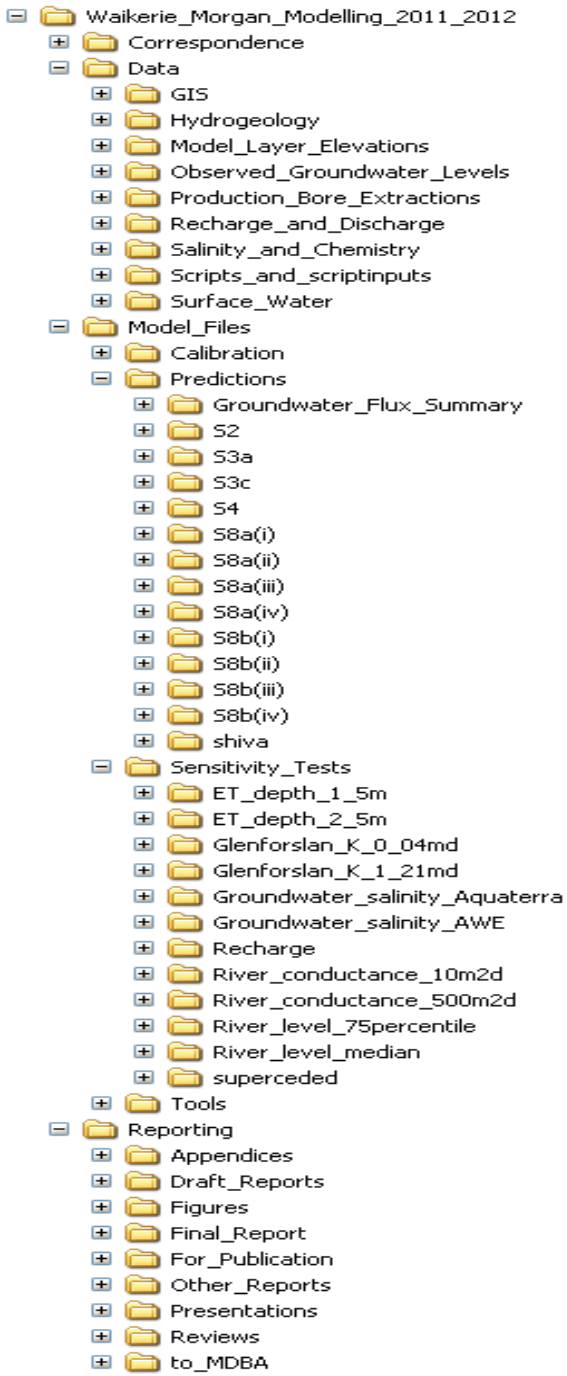
Year	Irrigation accession rate (ML)	Model recharge (ML)	Difference between accession and recharge (ML)	Cliff seepage (ML)	Lateral spread (ML)
1920	64	4	59	0	59
1921	65	4	60	0	60
1922	64	4	60	0	60
1923	64	4	60	0	60
1924	67	4	63	0	63
1925	70	4	66	0	66
1926	71	4	67	0	67
1927	68	4	63	0	63
1928	75	4	70	0	70
1929	73	4	69	0	69
1930	80	4	76	0	76
1931	79	4	74	0	74
1932	82	4	77	0	77
1933	80	4	76	0	76
1934	83	4	79	0	79
1935	84	4	79	0	79
1936	92	4	88	0	88
1937	93	4	89	0	89
1938	88	4	84	0	84
1939	93	4	89	0	89
1940	91	4	86	0	86
1941	97	4	92	0	92
1942	102	4	97	0	97
1943	96	4	91	0	91
1944	98	4	93	0	93
1945	102	4	98	0	98
1946	546	4	541	0	541
1947	986	4	982	0	982
1948	1258	4	1254	0	1254
1949	1784	4	1779	0	1779
1950	2269	16	2252	0	2252
1951	2212	16	2196	0	2196
1952	2263	16	2247	0	2247
1953	2232	16	2215	0	2215
1954	2398	16	2381	0	2381
1955	2389	16	2373	0	2373
1956	2490	16	2473	0	2473
1957	2328	16	2311	315	1996
1958	2570	16	2554	315	2238
1959	2405	16	2389	315	2073
1960	2389	16	2373	315	2058
1961	5996	16	5979	315	5664
1962	5888	16	5871	315	5556
1963	6153	16	6137	315	5821
1964	6202	16	6186	315	5870
1965	6667	1017	5650	315	5335
1966	6942	1017	5925	315	5610
1967	6635	1017	5618	315	5302
1968	8820	1017	7803	315	7488
1969	9499	1017	8481	315	8166
1970	10743	2027	8717	315	8401
1971	10282	2027	8256	315	7941
1972	9805	2027	7779	315	7463
1973	11862	2027	9836	315	9520
1974	11742	2027	9716	315	9400
1975	9527	1867	7660	315	7345
1976	9323	1867	7456	315	7141
1977	9202	1861	7341	315	7026
1978	9696	1861	7835	315	7520
1979	10145	1861	8284	315	7969
1980	8663	2473	6190	315	5875

Year	Irrigation accession rate (ML)	Model recharge (ML)	Difference between accession and recharge (ML)	Cliff seepage (ML)	Lateral spread (ML)
1981	8561	2473	6088	315	5773
1982	7235	2473	4762	315	4446
1983	8374	2473	5901	315	5585
1984	8377	2473	5904	315	5588
1985	7570	2484	5086	315	4771
1986	7262	2484	4778	315	4463
1987	7136	2484	4652	315	4337
1988	7411	2523	4888	315	4573
1989	7980	2523	5457	315	5141
1990	5442	2592	2850	315	2535
1991	5570	2592	2978	315	2663
1992	5763	2592	3171	315	2856
1993	5499	2592	2908	315	2592
1994	4490	2652	1838	315	1523
1995	7018	2737	4281	315	3966
1996	6164	2338	3826	315	3510
1997	7554	2338	5216	315	4901
1998	6231	2338	3893	315	3577
1999	6693	2338	4355	315	4040
2000	6928	2191	4737	315	4422
2001	5128	2191	2937	158	2779
2002	4309	2191	2118	158	1961
2003	6298	2374	3924	158	3766
2004	4521	2374	2147	158	1990
2005	6442	2450	3991	158	3834
2006	3812	2450	1361	158	1204
2007	3838	2489	1349	158	1192
2008	3688	2489	1199	158	1041
2009	3955	2541	1414	158	1257
2010	4399	2425	1973	158	1816

C-3. Water balance calculations for the lateral spread of the perched aquifer in the Loxton Sands in Waikerie

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-4 FOLDER ARCHIVING STRUCTURE AND MODEL FILE NAMES



Model	File name
Historical calibrated model	WM2102_TR.vmf
Scenario 2	WM2012_S2_Feb2012.vmf
Scenario 3a	WM2012_S3a_Feb2012.vmf
Scenario 3c	WM2012_S3c_Feb2012.vmf
Scenario 4	WM2012_S4_Mar2012.vmf
Scenario 8a(i)	WM2012_S8a(i)_Feb2012.vmf
Scenario 8a(ii)	WM2012_S8a(ii)_Feb2012.vmf
Scenario 8a(iii)	WM2012_S8a(iii)_Feb2012.vmf
Scenario 8a(iv)	WM2012_S8a(iv)_Mar2012.vmf
Scenario 8b(i)	WM2012_S8b(i)_Feb2012.vmf
Scenario 8b(ii)	WM2012_S8b(ii)_Feb2012.vmf
Scenario 8b(iii)	WM2012_S8b(iii)_Feb2012.vmf
Scenario 8b(iv)	WM2012_S8b(iv)_Feb2012.vmf

C-4. Folder archiving structure (left) and model file names (right)