TECHNICAL REPORT

LOXTON–BOOKPURNONG NUMERICAL GROUNDWATER MODEL 2011

VOLUME 2: APPENDICES

2011/22

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Department for Water

LOXTON-BOOKPURNONG NUMERICAL GROUNDWATER MODEL 2011

VOLUME 2: APPENDICES

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Science, Monitoring and Information Division
Department for Water

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Technical Report DFW 2011/22

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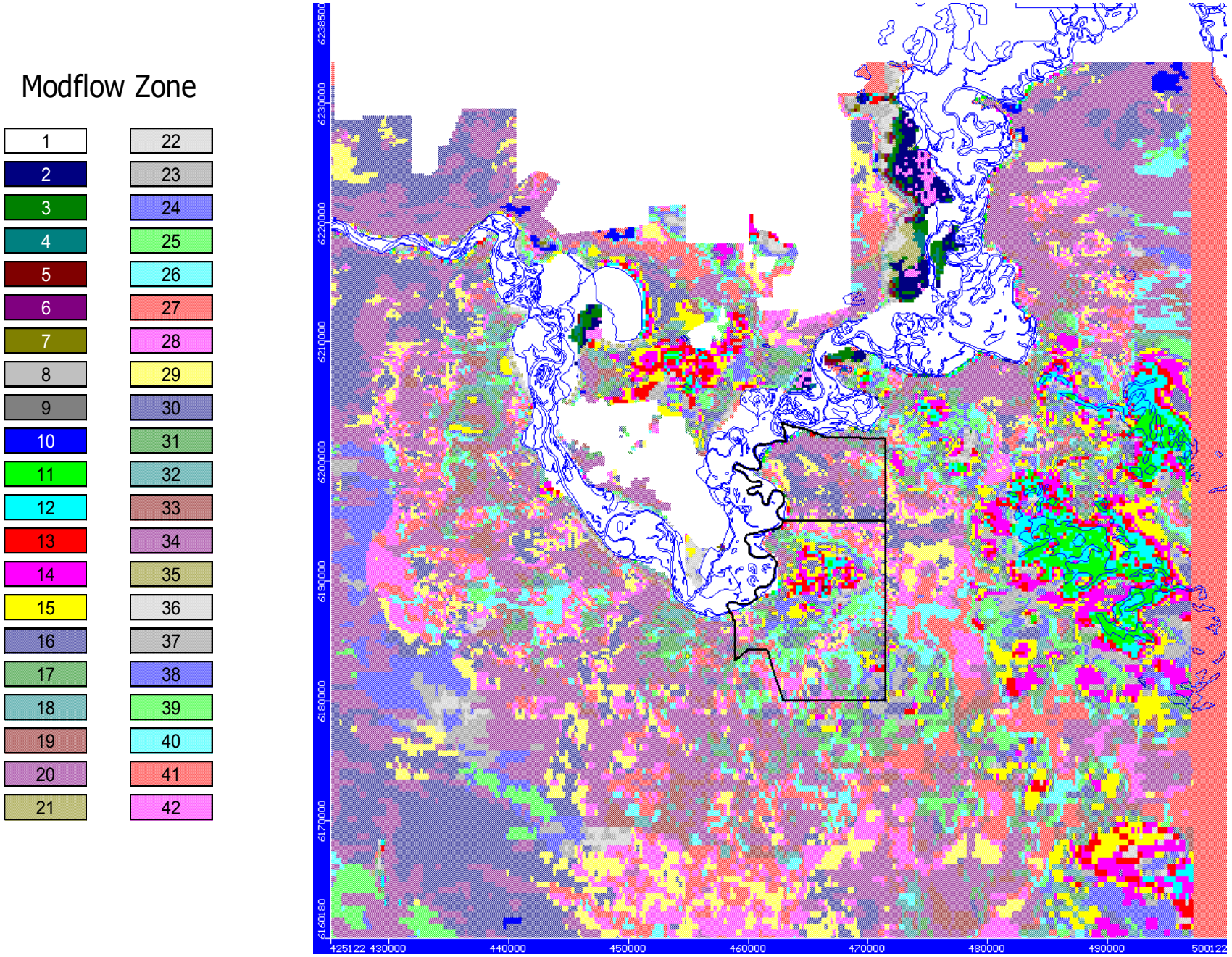
A. MODEL INPUTS (RECHARGE ZONES AND VALUES, ACTUAL AND MODELLED PUMPING RATES)

A-1 MODEL INPUT - MALLEE CLEARANCE

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



A-1 (S2). Mallee Clearance recharge zones applied in Loxton - Bookpurnong area (42 zones) (Scenario 2)

Modflow Recharge Zone				41	42	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEH Zone No.				0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Start Year	Stop Year	Start Day	Stop Day																					
1920	**1930**	***0***	***3650***	0.07	0.18	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.33	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1930	**1940**	***3650***	***7300***	0.07	0.65	0.16	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.12	0.39	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1940	**1950**	***7300***	***10950***	0.07	0.71	0.48	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.16	1.56	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1950	**1960**	***10950***	***14600***	0.07	0.71	0.67	0.18	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.16	2.37	0.62	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1960	**1970**	***14600***	***18250***	0.07	0.71	0.70	0.43	0.09	0.07	0.07	0.07	0.07	0.07	0.07	2.16	2.52	1.98	0.15	0.07	0.07	0.07	0.07	0.07	0.07
1970	**1980**	***18250***	***21900***	0.07	0.71	0.70	0.59	0.23	0.07	0.07	0.07	0.07	0.07	0.08	2.16	2.53	2.98	0.71	0.10	0.07	0.07	0.07	0.07	0.07
1980	**1990**	***21900***	***25550***	0.07	0.71	0.70	0.63	0.43	0.12	0.07	0.07	0.07	0.07	0.11	2.16	2.53	3.30	1.83	0.35	0.08	0.07	0.07	0.07	0.07
1990	**2000**	***25550***	***29200***	0.07	0.71	0.70	0.64	0.56	0.25	0.08	0.07	0.07	0.07	0.12	2.16	2.53	3.35	2.79	1.06	0.15	0.07	0.07	0.07	0.07
2000	**2010**	***29200***	***32850***	0.07	0.72	0.70	0.64	0.61	0.41	0.14	0.08	0.07	0.07	0.12	2.16	2.53	3.36	3.24	1.97	0.45	0.11	0.07	0.07	0.07
2010	**2020**	***32850***	***36500***	0.07	0.73	0.70	0.64	0.62	0.54	0.25	0.10	0.07	0.07	0.13	2.16	2.53	3.36	3.37	2.66	1.05	0.26	0.08	0.07	0.07
2020	**2030**	***36500***	***40150***	0.09	0.74	0.70	0.64	0.62	0.61	0.38	0.16	0.09	0.07	0.13	2.16	2.53	3.36	3.40	3.00	1.80	0.63	0.15	0.08	0.07
2030	**2040**	***40150***	***43800***	0.19	0.75	0.70	0.64	0.62	0.63	0.49	0.27	0.14	0.08	0.13	2.16	2.53	3.36	3.40	3.13	2.43	1.23	0.35	0.11	0.07
2040	**2050**	***43800***	***47450***	0.48	0.76	0.70	0.64	0.62	0.64	0.56	0.39	0.23	0.11	0.13	2.16	2.53	3.36	3.40	3.17	2.82	1.91	0.75	0.22	0.07
2050	**2060**	***47450***	***51100***	1.10	0.76	0.70	0.64	0.62	0.64	0.59	0.49	0.35	0.17	0.13	2.16	2.53	3.36	3.40	3.18	3.01	2.48	1.29	0.47	0.09
2060	**2070**	***51100***	***54750***	2.06	0.76	0.70	0.64	0.62	0.64	0.60	0.56	0.49	0.26	0.13	2.16	2.53	3.36	3.40	3.18	3.08	2.86	1.88	0.88	0.12
2070	**2080**	***54750***	***58400***	3.20	0.76	0.70	0.64	0.62	0.64	0.61	0.59	0.61	0.37	0.13	2.16	2.53	3.36	3.40	3.18	3.11	3.07	2.39	1.40	0.17
2080	**2090**	***58400***	***62050***	4.32	0.76	0.70	0.64	0.62	0.64	0.61	0.61	0.70	0.48	0.14	2.16	2.53	3.36	3.40	3.18	3.12	3.17	2.76	1.95	0.27
2090	**2100**	***62050***	***65700***	5.22	0.76	0.70	0.64	0.62	0.64	0.61	0.62	0.76	0.57	0.15	2.16	2.53	3.36	3.40	3.18	3.12	3.22	3.00	2.43	0.40
2100	**2110**	***65700***	***69350***	5.86	0.76	0.70	0.64	0.62	0.64	0.61	0.62	0.79	0.64	0.17	2.16	2.53	3.36	3.40	3.18	3.12	3.24	3.13	2.81	0.55
2110	**2120**	***69350***	***73000***	6.25	0.76	0.70	0.64	0.62	0.64	0.61	0.62	0.81	0.69	0.19	2.16	2.53	3.36	3.40	3.18	3.12	3.24	3.19	3.06	0.73
2120	**2145**	***73000***	***82125***	6.25	0.76	0.70	0.64	0.62	0.64	0.61	0.62	0.81	0.69	0.19	2.16	2.53	3.36	3.40	3.18	3.12	3.24	3.19	3.06	0.73

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

Modflow Recharge Zone				21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
DEH Zone No.				21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Start Year	Stop Year	Start Day	Stop Day																				
1920	**1930**	***0***	***3650***	2.77	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.43	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1930	**1940**	***3650***	***7300***	7.83	0.60	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	10.53	0.87	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1940	**1950**	***7300***	***10950***	8.09	3.63	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07	10.90	5.79	0.15	0.07	0.07	0.07	0.07	0.07	0.07	0.07
1950	**1960**	***10950***	***14600***	8.09	6.70	0.97	0.07	0.07	0.07	0.07	0.07	0.07	0.07	10.90	10.15	2.24	0.08	0.07	0.07	0.07	0.07	0.07	0.07
1960	**1970**	***14600***	***18250***	8.09	7.35	3.68	0.35	0.07	0.07	0.07	0.07	0.07	0.07	10.90	10.91	6.82	0.56	0.07	0.07	0.07	0.07	0.07	0.07
1970	**1980**	***18250***	***21900***	8.09	7.38	6.23	1.91	0.13	0.07	0.07	0.07	0.07	0.07	10.90	10.94	9.91	3.12	0.18	0.07	0.07	0.07	0.07	0.07
1980	**1990**	***21900***	***25550***	8.09	7.38	7.16	4.37	0.64	0.09	0.07	0.07	0.07	0.07	10.90	10.94	10.83	6.89	1.07	0.09	0.07	0.07	0.07	0.07
1990	**2000**	***25550***	***29200***	8.09	7.38	7.32	6.08	2.19	0.26	0.08	0.07	0.07	0.07	10.90	10.94	10.97	9.51	3.50	0.26	0.08	0.07	0.07	0.07
2000	**2010**	***29200***	***32850***	8.09	7.38	7.34	6.78	4.34	0.97	0.15	0.07	0.07	0.07	10.90	10.94	10.99	10.62	6.60	1.03	0.18	0.08	0.07	0.07
2010	**2020**	***32850***	***36500***	8.09	7.38	7.34	6.97	6.06	2.44	0.51	0.10	0.07	0.07	10.90	10.94	10.99	10.94	8.93	2.82	0.64	0.13	0.07	0.07
2020	**2030**	***36500***	***40150***	8.09	7.38	7.34	7.01	6.97	4.30	1.41	0.27	0.09	0.07	10.90	10.94	10.99	11.00	10.13	5.29	1.81	0.39	0.10	0.07
2030	**2040**	***40150***	***43800***	8.09	7.38	7.34	7.01	7.32	5.89	2.85	0.74	0.18	0.07	10.90	10.94	10.99	11.01	10.60	7.62	3.72	1.13	0.25	0.08
2040	**2050**	***43800***	***47450***	8.09	7.38	7.34	7.01	7.42	6.89	4.48	1.67	0.45	0.09	10.90	10.94	10.99	11.01	10.76	9.22	5.91	2.53	0.69	0.11
2050	**2060**	***47450***	***51100***	8.09	7.38	7.34	7.01	7.45	7.39	5.85	2.98	1.05	0.15	10.90	10.94	10.99	11.01	10.82	10.08	7.82	4.44	1.66	0.24
2060	**2070**	***51100***	***54750***	8.09	7.38	7.34	7.01	7.46	7.60	6.77	4.39	1.99	0.30	10.90	10.94	10.99	11.01	10.86	10.45	9.15	6.42	3.21	0.54
2070	**2080**	***54750***	***58400***	8.09	7.38	7.34	7.01	7.46	7.67	7.28	5.61	3.18	0.59	10.90	10.94	10.99	11.01	10.89	10.59	9.93	8.07	5.14	1.11
2080	**2090**	***58400***	***62050***	8.09	7.38	7.34	7.01	7.46	7.70	7.53	6.51	4.40	1.06	10.90	10.94	10.99	11.01	10.90	10.64	10.31	9.22	7.11	2.00
2090	**2100**	***62050***	***65700***	8.09	7.38	7.34	7.01	7.46	7.70	7.63	7.06	5.45	1.69	10.90	10.94	10.99	11.01	10.91	10.65	10.48	9.90	8.79	3.17
2100	**2110**	***65700***	***69350***	8.09	7.38	7.34	7.01	7.46	7.70	7.67	7.37	6.23	2.43	10.90	10.94	10.99	11.01	10.92	10.66	10.55	10.27	10.04	4.51
2110	**2120**	***69350***	***73000***	8.09	7.38	7.34	7.01	7.46	7.70	7.69	7.53	6.75	3.21	10.90	10.94	10.99	11.01	10.92	10.66	10.58	10.44	10.87	5.90
2120	**2145**	***73000***	***82125***	8.09	7.38	7.34	7.01	7.46	7.70	7.69	7.53	6.75	3.21	10.90	10.94	10.99	11.01	10.92	10.66	10.58	10.44	10.87	5.90

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

A-2 MODEL INPUT - LOXTON AREA

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

(Model recharge settings for Scenario 8a, 8b and 8c are equal to those for Scenarios 4, 3c and 5, respectively)

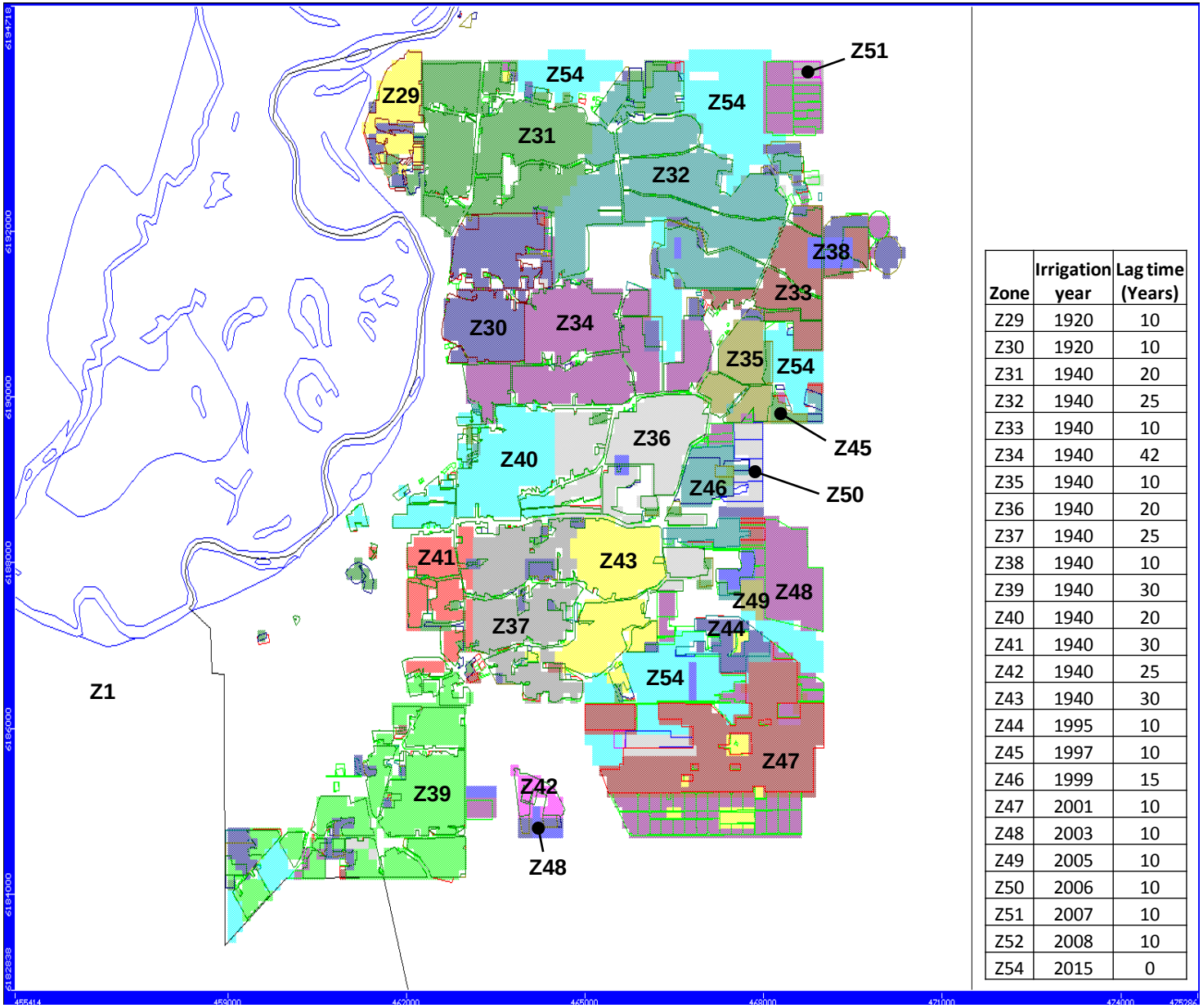
Scenario	Name	Years simulated	Irrigation development area	IIP[1] & RH[2]	SIS[3]
Calibrated model	Historical irrigation, RH, IIP & SIS	1920-2010	Irrigation history	Yes	Yes
Scenario-1	Natural System (Steady State since 1920)	Steady-state	None	-	-
Scenario-2	Mallee Clearance	1920-2110	None	-	-
Scenario-3a	Irrigation Pre-1988, no IIP, no RH	1988-2110	Pre-1988	No	No
Scenario-3c	Irrigation Pre-1988, with IIP & RH	1988-2110	Pre-1988	Yes	No
Scenario-4	Current irrigation (business as usual)	1988-2110	Pre-1988 + Post-1988	Yes	No
Scenario-5	Current plus future irrigation	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	No
Scenario-8a	Current irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988	Yes	Yes
Scenario-8b	Pre-1988, with IIP & RH plus constructed SIS	1988-2110	Pre-1988	Yes	Yes
Scenario-8c	Current plus future irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP[1] Improved Irrigation Practices
See Glossary for definition

RH[2] Rehabilitation

SIS[3] Salt Interception Scheme

A-2. Model scenario conditions



Zone	Irrigation year	Lag time (Years)
Z29	1920	10
Z30	1920	10
Z31	1940	20
Z32	1940	25
Z33	1940	10
Z34	1940	42
Z35	1940	10
Z36	1940	20
Z37	1940	25
Z38	1940	10
Z39	1940	30
Z40	1940	20
Z41	1940	30
Z42	1940	25
Z43	1940	30
Z44	1995	10
Z45	1997	10
Z46	1999	15
Z47	2001	10
Z48	2003	10
Z49	2005	10
Z50	2006	10
Z51	2007	10
Z52	2008	10
Z54	2015	0

Anabranch, Backwater and Water Body

Project Area

Z30 Recharge Zone and number

N

0 1 2

Kilometres

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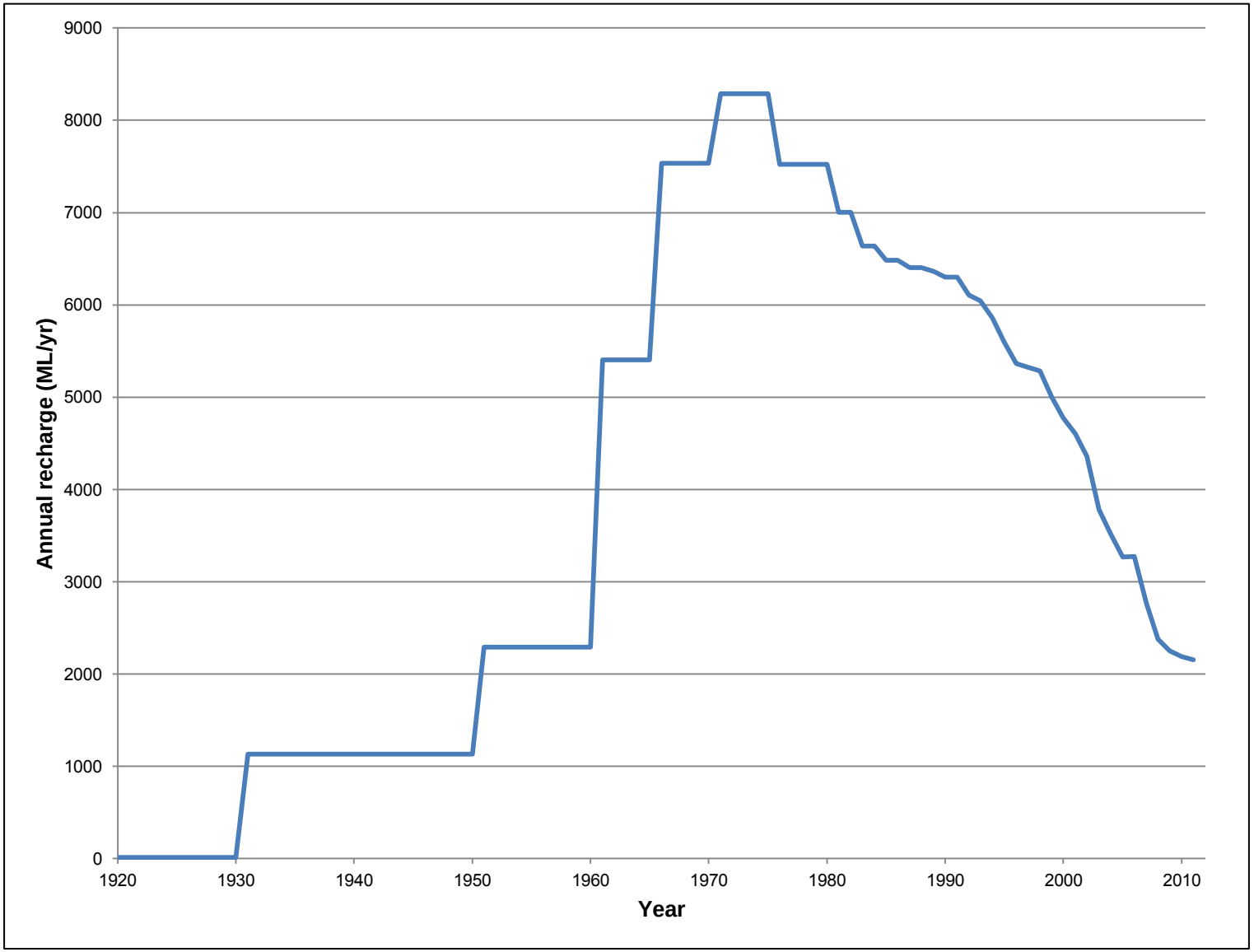
A-2. Model recharge zones in the Loxton area for all irrigation and SIS scenarios

Loxton				Pre-1988 Irrigation														Post-1988 Irrigation									Future
Irrigation Start Year				1920	1920	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1995	1997	1999	2001	2003	2005	2006	2007	2008	2015
Lag time (Years)				10	10	20	25	10	25	10	20	25	10	30	20	30	25	30	10	10	15	10	10	10	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	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	Zone 50	Zone 51	Zone 52	Zone 54
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1945	7305	9132	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1955	10958	12784	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	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	14610	16437	300	300	310	0.1	350	0.1	400	400	0.1	400	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
1965	1970	16437	18263	250	250	310	280	330	50	400	380	240	400	0.1	350	0.1	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	18263	20089	200	200	290	190	330	50	350	370	220	400	230	350	200	250	210	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1980	20089	21915	180	180	270	160	310	50	300	370	210	400	230	300	120	200	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1982	21915	22646	180	160	250	130	310	50	250	370	210	400	230	250	110	180	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	180	140	250	100	280	50	200	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	180	140	220	100	270	50	180	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	180	140	220	100	260	40	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	24837	25203	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	25203	25568	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	25568	25933	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	25933	26298	170	130	180	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	26298	26664	170	130	170	100	260	20	120	370	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	26664	27029	160	120	160	100	260	20	120	330	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	27029	27394	140	100	150	100	260	10	120	290	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	27394	27759	120	100	140	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	120	100	130	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	120	100	120	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	120	100	100	100	260	0.1	100	230	210	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	120	100	100	100	200	0.1	100	200	190	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	120	100	100	100	160	0.1	100	170	190	400	230	200	100	100	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	110	80	100	100	130	0.1	100	160	190	400	230	150	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	60	100	100	100	0.1	100	160	190	0.1	190	120	100	100	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	40	100	100	80	0.1	100	160	150	0.1	180	100	100	100	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	40	100	100	60	0.1	100	130	130	0.1	170	80	100	100	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	40	100	100	60	0.1	100	100	100	0.1	160	60	100	100	90	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	80	40	80	80	60	0.1	80	80	80	0.1	150	40	80	80	90	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	60	40	60	60	60	0.1	60	60	60	0.1	140	40	60	60	80	60	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	60	40	60	60	60	0.1	60	60	60	0.1	130	20	60	60	70	60	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	60	40	60	60	60	0.1	60	60	60	0.1	120	20	60	60	70	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	60	40	60	60	60	0.1	60	60	60	0.1	110	20	60	60	70	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

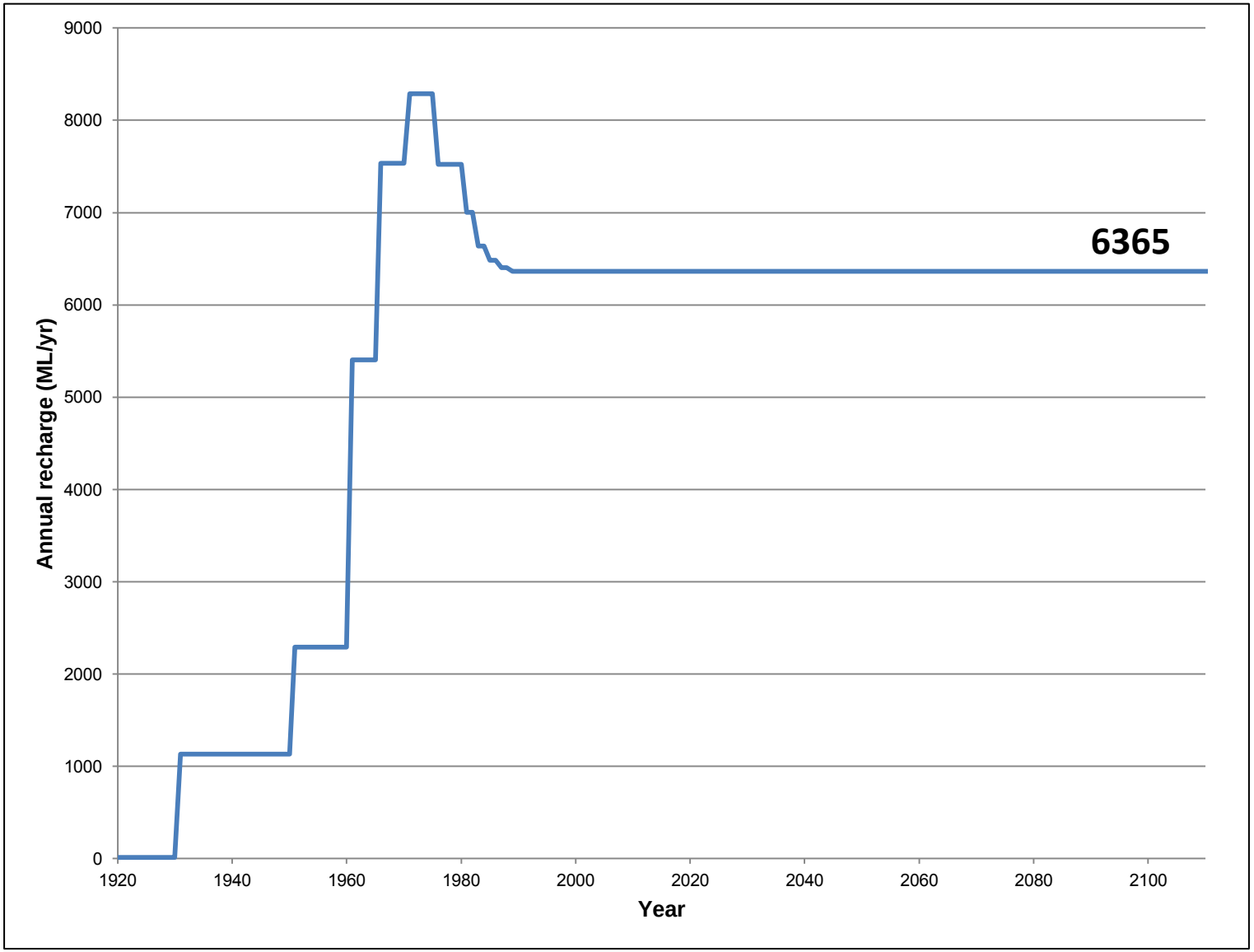
A-2 (Historical model). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Loxton area (Historical model)



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

Loxton				Pre-1988 Irrigation														Post-1988 Irrigation									Future
Irrigation Start Year				1920	1920	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1995	1997	1999	2001	2003	2005	2006	2007	2008	2015
Lag time (Years)				10	10	20	25	10	25	10	20	25	10	30	20	30	25	30	16	14	15	10	10	10	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	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	Zone 50	Zone 51	Zone 52	Zone 54
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1945	7305	9132	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1955	10958	12784	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	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	14610	16437	300	300	310	0.1	350	0.1	400	400	0.1	400	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
1965	1970	16437	18263	250	250	310	280	330	50	400	380	240	400	0.1	350	0.1	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	18263	20089	200	200	290	190	330	50	350	370	220	400	230	350	200	250	210	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1980	20089	21915	180	180	270	160	310	50	300	370	210	400	230	300	120	200	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1982	21915	22646	180	160	250	130	310	50	250	370	210	400	230	250	110	180	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	180	140	250	100	280	50	200	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	180	140	220	100	270	50	180	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	180	140	220	100	260	40	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	24837	25203	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	25203	25568	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	25568	25933	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	25933	26298	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	26298	26664	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	26664	27029	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	27029	27394	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	27394	27759	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2013	33238	33969	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	33969	34334	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	34334	34699	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	34699	35064	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	35064	35430	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	35430	35795	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	35795	70127	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

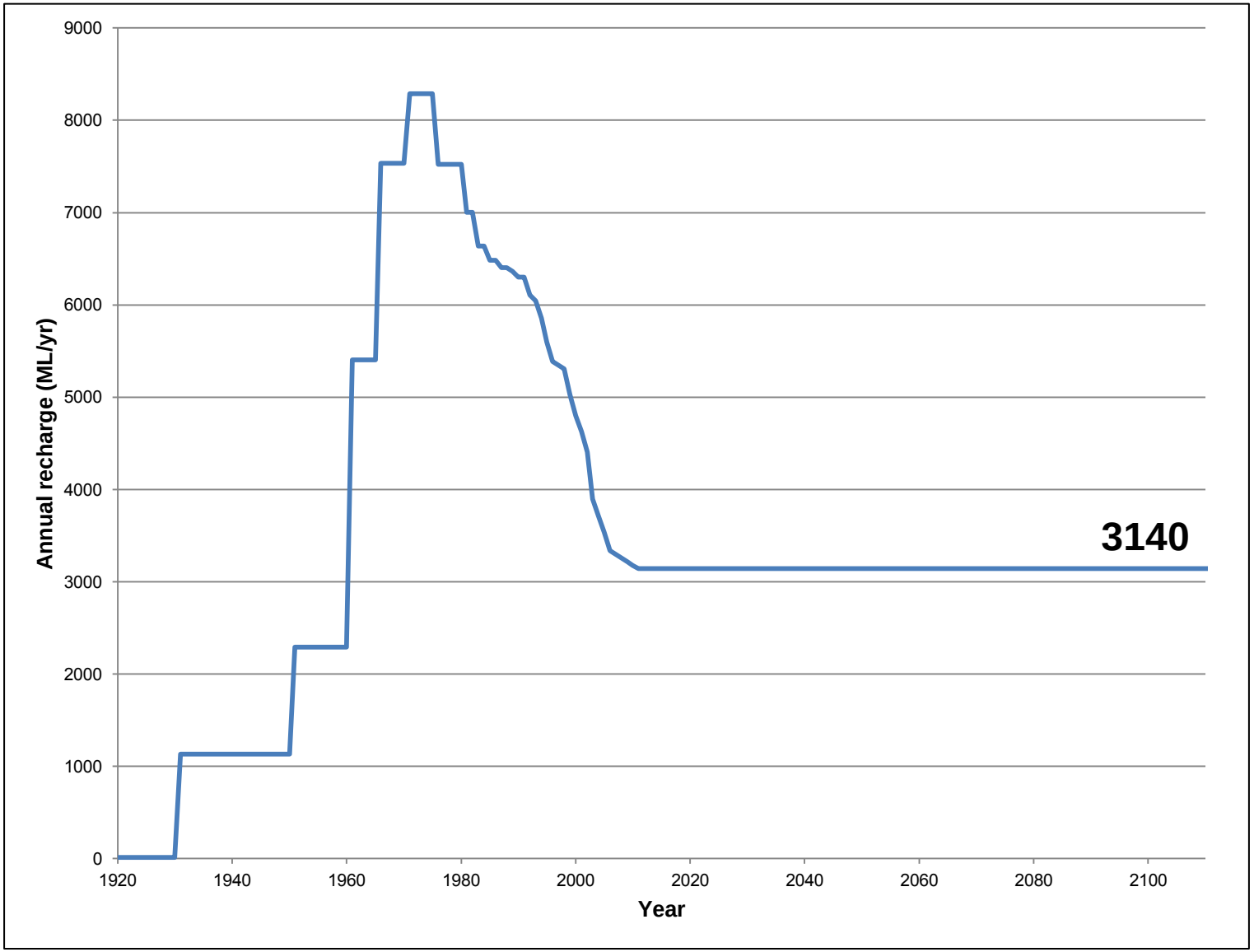
A-2 (S3a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Loxton area (Scenario 3a)



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

Loxton				Pre-1988 Irrigation														Post-1988 Irrigation									Future
Irrigation Start Year				1920	1920	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1995	1997	1999	2001	2003	2005	2006	2007	2008	2015
Lag time (Years)				10	10	20	25	10	25	10	20	25	10	30	20	30	25	30	16	14	15	10	10	10	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	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	Zone 50	Zone 51	Zone 52	Zone 54
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1945	7305	9132	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1955	10958	12784	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	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	14610	16437	300	300	310	0.1	350	0.1	400	400	0.1	400	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
1965	1970	16437	18263	250	250	310	280	330	50	400	380	240	400	0.1	350	0.1	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	18263	20089	200	200	290	190	330	50	350	370	220	400	230	350	200	250	210	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1980	20089	21915	180	180	270	160	310	50	300	370	210	400	230	300	120	200	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1982	21915	22646	180	160	250	130	310	50	250	370	210	400	230	250	110	180	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	180	140	250	100	280	50	200	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	180	140	220	100	270	50	180	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	180	140	220	100	260	40	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	24837	25203	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	25203	25568	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	25568	25933	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	25933	26298	170	130	180	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	26298	26664	170	130	170	100	260	20	120	370	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	26664	27029	160	120	160	100	260	20	120	330	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	27029	27394	140	100	150	100	260	10	120	290	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	27394	27759	120	100	140	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	120	100	130	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	120	100	120	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	120	100	100	100	260	0.1	100	230	210	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	120	100	100	100	200	0.1	100	200	190	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	120	100	100	100	160	0.1	100	170	190	400	230	200	100	100	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	110	100	100	100	130	0.1	100	160	190	400	230	150	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	100	100	100	100	0.1	100	160	190	0.1	190	120	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	100	100	100	100	0.1	100	160	150	0.1	180	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	100	100	100	100	0.1	100	130	130	0.1	170	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	0.1	100	100	100	0.1	160	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	100	100	100	100	0.1	100	100	100	0.1	150	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	100	100	100	100	0.1	100	100	100	0.1	140	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	100	100	100	100	100	0.1	100	100	100	0.1	130	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	100	100	100	100	100	0.1	100	100	100	0.1	120	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2013	33238	33969	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	33969	34334	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	34334	34699	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	34699	35064	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	35064	35430	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	35430	35795	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	35795	70127	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

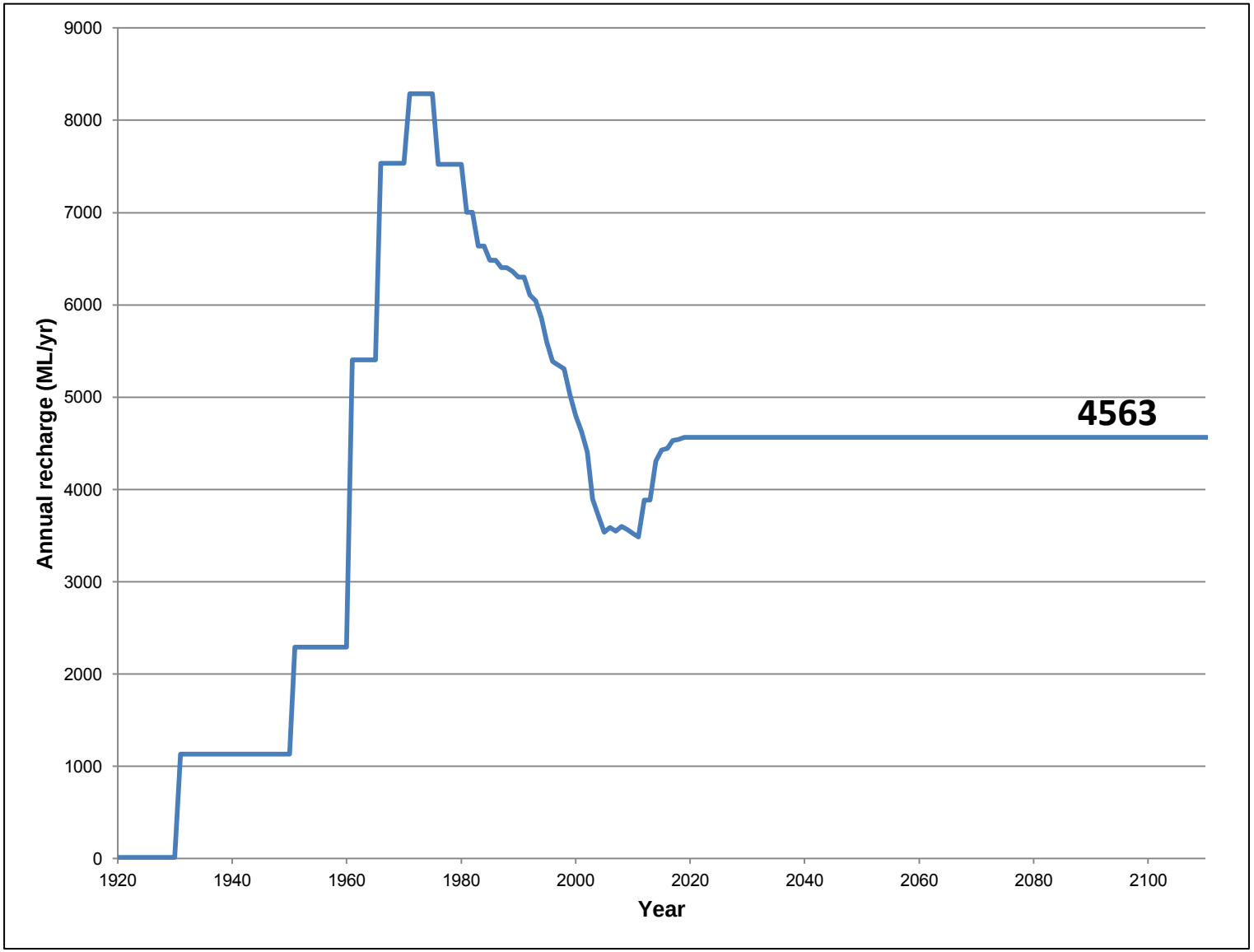
A-2 (S3c/S8b). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Loxton area (Scenarios 3c and 8b)



A-2 (S3c/S8b). Total recharge volume applied in the Loxton Area (Scenarios 3c and 8b)

Loxton				Pre-1988 Irrigation														Post-1988 Irrigation									Future
Irrigation Start Year				1920	1920	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1995	1997	1999	2001	2003	2005	2006	2007	2008	2015
Lag time (Years)				10	10	20	25	10	25	10	20	25	10	30	20	30	25	30	10	10	15	10	10	10	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	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	Zone 50	Zone 51	Zone 52	Zone 54
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1945	7305	9132	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1955	10958	12784	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	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	14610	16437	300	300	310	0.1	350	0.1	400	400	0.1	400	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
1965	1970	16437	18263	250	250	310	280	330	50	400	380	240	400	0.1	350	0.1	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	18263	20089	200	200	290	190	330	50	350	370	220	400	230	350	200	250	210	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1980	20089	21915	180	180	270	160	310	50	300	370	210	400	230	300	120	200	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1982	21915	22646	180	160	250	130	310	50	250	370	210	400	230	250	110	180	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	180	140	250	100	280	50	200	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	180	140	220	100	270	50	180	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	180	140	220	100	260	40	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	24837	25203	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	25203	25568	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	25568	25933	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	25933	26298	170	130	180	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	26298	26664	170	130	170	100	260	20	120	370	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	26664	27029	160	120	160	100	260	20	120	330	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	27029	27394	140	100	150	100	260	10	120	290	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	27394	27759	120	100	140	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	120	100	130	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	120	100	120	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	120	100	100	100	260	0.1	100	230	210	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	120	100	100	100	200	0.1	100	200	190	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	120	100	100	100	160	0.1	100	170	190	400	230	200	100	100	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	110	100	100	100	130	0.1	100	160	190	400	230	150	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	100	100	100	100	0.1	100	160	190	0.1	190	120	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	100	100	100	100	0.1	100	160	150	0.1	180	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	100	100	100	100	0.1	100	130	130	0.1	170	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	0.1	100	100	100	0.1	160	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	100	100	100	100	0.1	100	100	100	0.1	150	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	100	100	100	100	0.1	100	100	100	0.1	140	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	100	100	100	100	100	0.1	100	100	100	0.1	130	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	100	100	100	100	100	0.1	100	100	100	0.1	120	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2013	33238	33969	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	33969	34334	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1
2014	2015	34334	34699	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1
2015	2016	34699	35064	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	0.1
2016	2017	35064	35430	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2017	2018	35430	35795	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1
2018	2112	35795	70127	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1

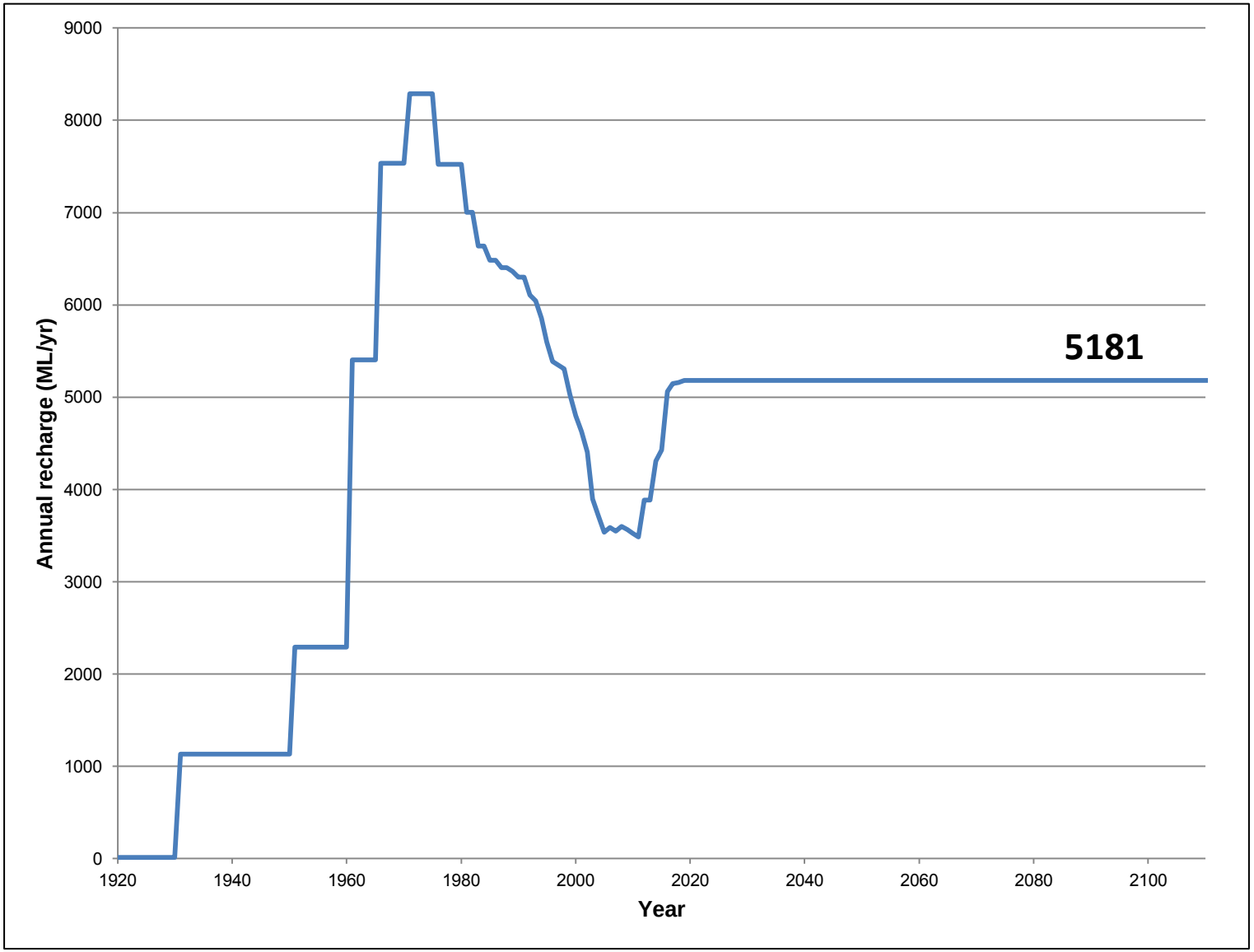
A-2 (S4/S8a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Loxton area (Scenarios 4 and 8a)



A-2 (S4/S8a). Total recharge volume applied in the Loxton Area (Scenarios 4 and 8a)

Loxton				Pre-1988 Irrigation														Post-1988 Irrigation									Future
Irrigation Start Year				1920	1920	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1995	1997	1999	2001	2003	2005	2006	2007	2008	2015
Lag time (Years)				10	10	20	25	10	25	10	20	25	10	30	20	30	25	30	10	10	15	10	10	10	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	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	Zone 50	Zone 51	Zone 52	Zone 54
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1940	1945	7305	9132	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	320	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1950	1955	10958	12784	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	320	320	0.1	0.1	350	0.1	400	0.1	0.1	400	0.1	0.1	0.1	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	14610	16437	300	300	310	0.1	350	0.1	400	400	0.1	400	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
1965	1970	16437	18263	250	250	310	280	330	50	400	380	240	400	0.1	350	0.1	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1970	1975	18263	20089	200	200	290	190	330	50	350	370	220	400	230	350	200	250	210	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1980	20089	21915	180	180	270	160	310	50	300	370	210	400	230	300	120	200	160	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1982	21915	22646	180	160	250	130	310	50	250	370	210	400	230	250	110	180	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	180	140	250	100	280	50	200	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	180	140	220	100	270	50	180	370	210	400	230	250	100	160	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	180	140	220	100	260	40	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1989	24837	25203	180	140	220	100	260	30	160	370	210	400	230	250	100	140	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1990	25203	25568	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	25568	25933	180	140	220	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	25933	26298	170	130	180	100	260	20	140	370	210	400	230	250	100	120	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	26298	26664	170	130	170	100	260	20	120	370	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	26664	27029	160	120	160	100	260	20	120	330	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	27029	27394	140	100	150	100	260	10	120	290	210	400	230	250	100	110	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	27394	27759	120	100	140	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	120	100	130	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	120	100	120	100	260	0.1	100	260	210	400	230	250	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	120	100	100	100	260	0.1	100	230	210	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	120	100	100	100	200	0.1	100	200	190	400	230	200	100	100	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	120	100	100	100	160	0.1	100	170	190	400	230	200	100	100	110	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	110	100	100	100	130	0.1	100	160	190	400	230	150	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	100	100	100	100	0.1	100	160	190	0.1	190	120	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	100	100	100	100	0.1	100	160	150	0.1	180	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	100	100	100	100	0.1	100	130	130	0.1	170	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	0.1	100	100	100	0.1	160	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	100	100	100	100	0.1	100	100	100	0.1	150	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	100	100	100	100	0.1	100	100	100	0.1	140	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	100	100	100	100	100	0.1	100	100	100	0.1	130	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	100	100	100	100	100	0.1	100	100	100	0.1	120	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2013	33238	33969	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	33969	34334	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1
2014	2015	34334	34699	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1
2015	2016	34699	35064	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100
2016	2017	35064	35430	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2017	2018	35430	35795	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100
2018	2112	35795	70127	100	100	100	100	100	0.1	100	100	100	0.1	110	100	100	100	100	100	100	100	100	100	100	100	100	100	100

A-2 (S5/S8c). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Loxton area (Scenarios 5 and 8c)



A-2 (S5/S8c). Total recharge volume applied in the Loxton Area (Scenarios 5 and 8c)

A-3 MODEL INPUT – BOOKPURNONG AREA

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

(Model recharge settings for Scenario 8a, 8b and 8c are equal to those for Scenarios 4, 3c and 5, respectively)

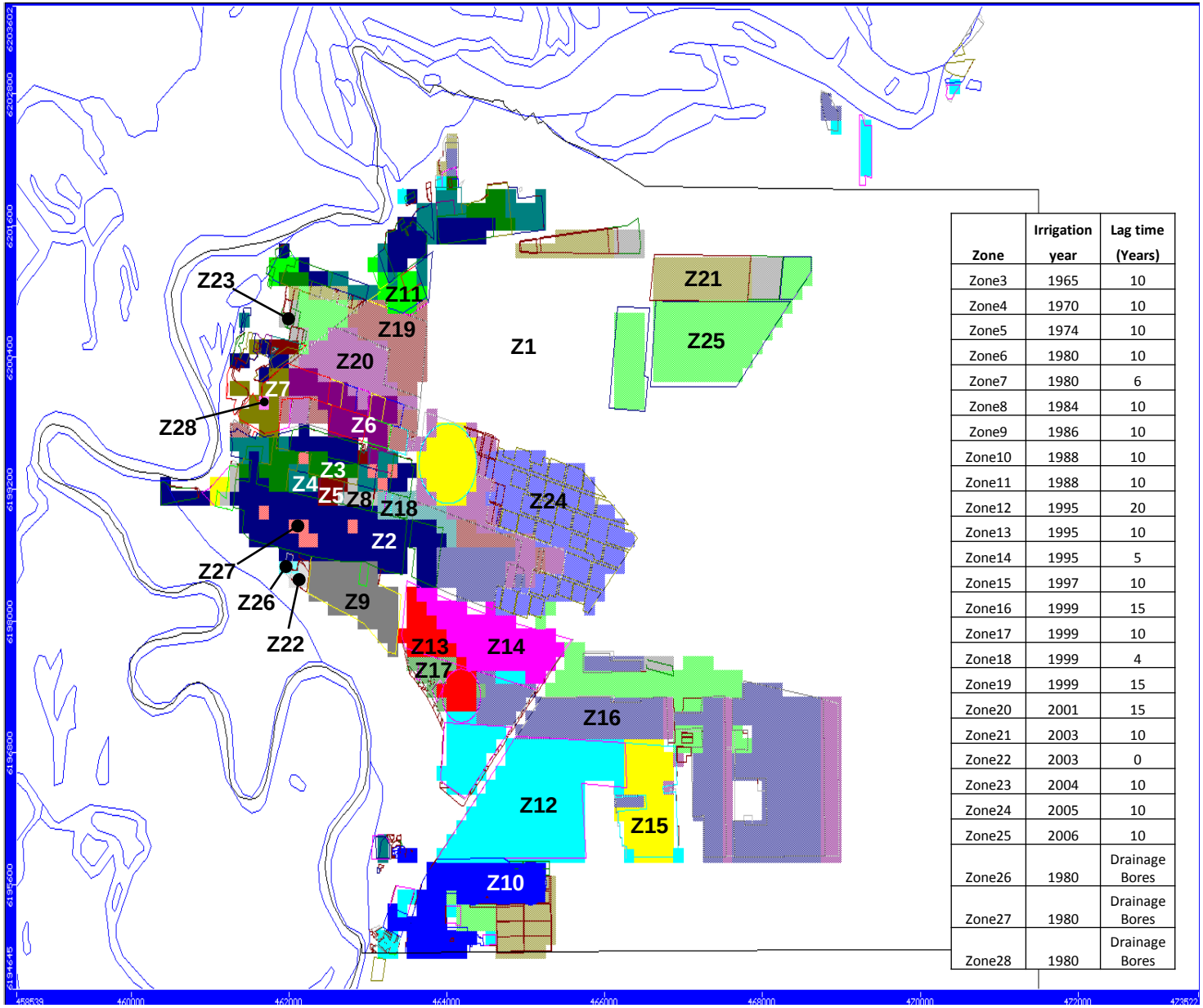
Scenario	Name	Years simulated	Irrigation development area	IIP[1] & RH[2]	SIS[3]
Calibrated model	Historical irrigation, RH, IIP & SIS	1920-2010	Irrigation history	Yes	Yes
Scenario-1	Natural System (Steady State since 1920)	Steady-state	None	-	-
Scenario-2	Mallee Clearance	1920-2110	None	-	-
Scenario-3a	Irrigation Pre-1988, no IIP, no RH	1988-2110	Pre-1988	No	No
Scenario-3c	Irrigation Pre-1988, with IIP & RH	1988-2110	Pre-1988	Yes	No
Scenario-4	Current irrigation (business as usual)	1988-2110	Pre-1988 + Post-1988	Yes	No
Scenario-5	Current plus future irrigation	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	No
Scenario-8a	Current irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988	Yes	Yes
Scenario-8b	Pre-1988, with IIP & RH plus constructed SIS	1988-2110	Pre-1988	Yes	Yes
Scenario-8c	Current plus future irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP[1] Improved Irrigation Practices
See Glossary for definition

RH[2] Rehabilitation

SIS[3] Salt Interception Scheme

A-3. Model scenario conditions



Zone	Irrigation year	Lag time (Years)
Zone3	1965	10
Zone4	1970	10
Zone5	1974	10
Zone6	1980	10
Zone7	1980	6
Zone8	1984	10
Zone9	1986	10
Zone10	1988	10
Zone11	1988	10
Zone12	1995	20
Zone13	1995	10
Zone14	1995	5
Zone15	1997	10
Zone16	1999	15
Zone17	1999	10
Zone18	1999	4
Zone19	1999	15
Zone20	2001	15
Zone21	2003	10
Zone22	2003	0
Zone23	2004	10
Zone24	2005	10
Zone25	2006	10
Zone26	1980	Drainage Bores
Zone27	1980	Drainage Bores
Zone28	1980	Drainage Bores

Anabranch, Backwater and Water Body

Project Area

Z30 Recharge Zone and number

N

0 1 2

Kilometres

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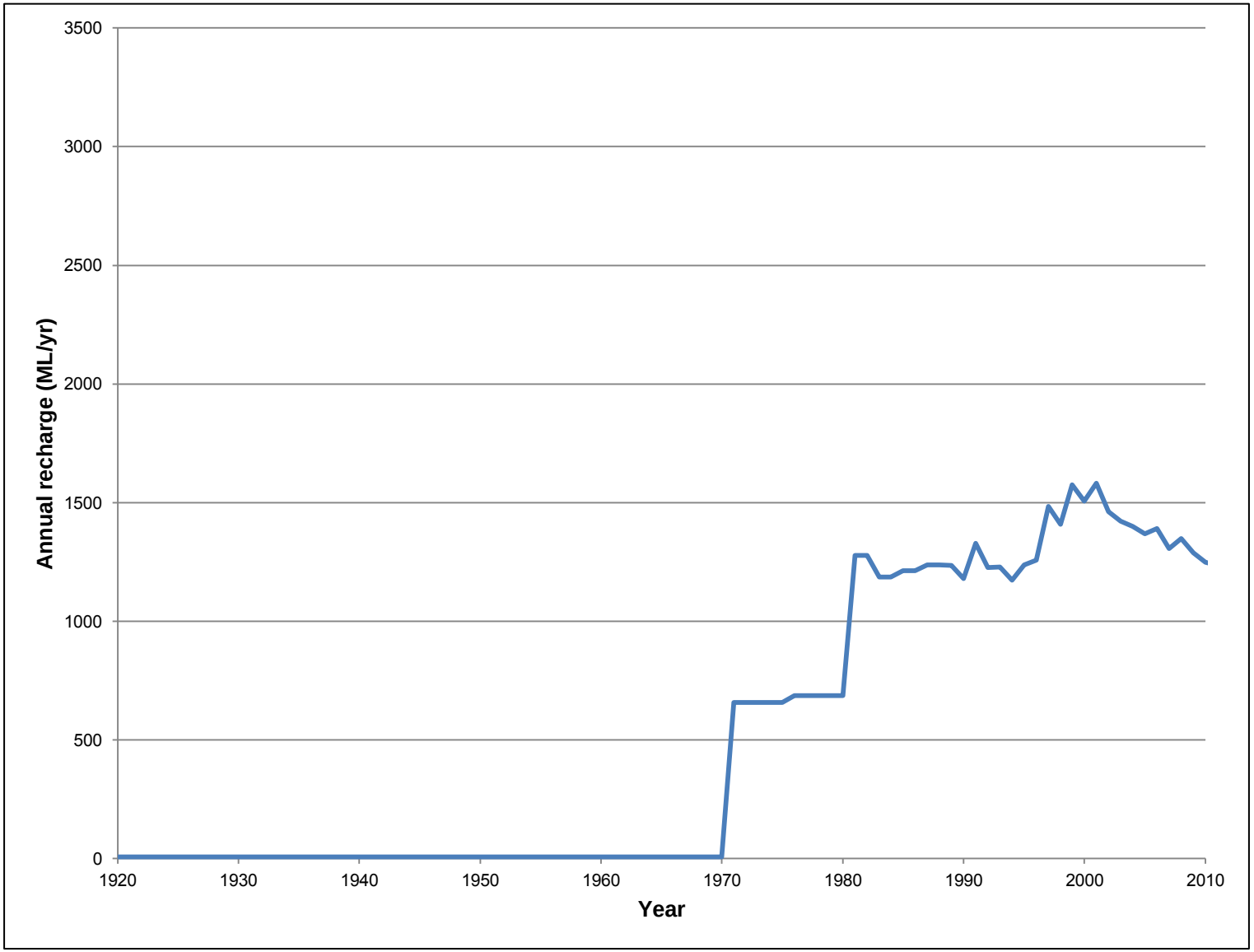
Government of South Australia
Department for Water

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

Bookpurnong				Pre-1988 Irrigation													Post-1988 Irrigation														Future
Irrigation Start Year				1961	1965	1970	1974	1980	1980	1984	1986	1988	1988	1980	1980	1980	1995	1995	1995	1997	1999	1999	1999	1999	2001	2003	2003	2004	2005	2006	2015
Lag time (Years)				9	10	10	10	10	6	10	10	10	10	0	0	0	20	10	5	10	15	10	4	15	10	10	0	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone2	Zone3	Zone4	Zone5	Zone6	Zone7	Zone8	Zone9	Zone10	Zone11	Zone26	Zone27	Zone28	Zone12	Zone13	Zone14	Zone15	Zone16	Zone17	Zone18	Zone19	Zone20	Zone21	Zone22	Zone23	Zone24	Zone25	Zone 53
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1945	7305	9132	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1955	10958	12784	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	14610	16437	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	16437	18263	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	18263	20089	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	20089	21915	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1982	21915	22646	250	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	230	230	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	230	230	230	300	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	210	210	210	250	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	24837	25203	210	210	210	230	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25203	25568	190	190	190	210	0.1	450	0.1	0.1	0.1	0.1	500	2000	3500	0.1	0.1	0.1	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	25568	25933	190	190	190	190	300	450	0.1	0.1	0.1	0.1	600	2000	3500	0.1	0.1	0.1	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	25933	26298	170	170	170	170	200	500	0.1	0.1	0.1	0.1	750	2000	3500	0.1	0.1	0.1	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	26298	26664	170	170	170	170	200	500	0.1	0.1	0.1	0.1	850	2000	3500	0.1	0.1	0.1	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	26664	27029	150	150	150	150	200	550	0.1	0.1	0.1	0.1	950	2000	3500	0.1	0.1	0.1	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	27029	27394	150	150	150	150	180	550	300	0.1	0.1	0.1	1050	2200	3700	0.1	0.1	0.1	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	27394	27759	150	150	150	150	160	550	250	0.1	0.1	0.1	1100	2400	3900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	150	150	150	150	140	550	210	350	0.1	0.1	1250	2600	4100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	140	140	140	140	120	550	170	300	0.1	0.1	1250	2600	4300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	140	140	140	140	120	550	140	260	120	300	1300	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	130	130	130	130	110	550	130	230	120	250	1350	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	110	130	130	130	110	550	130	230	120	210	1400	2600	4500	0.1	0.1	170	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	100	120	120	120	100	500	120	230	110	170	1450	2600	3850	0.1	0.1	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	120	120	120	100	400	120	230	110	130	1500	2600	3400	0.1	0.1	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	110	110	110	100	300	110	230	110	110	1550	2600	3150	0.1	0.1	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	110	110	110	100	200	110	230	100	110	1750	2600	2900	0.1	0.1	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	100	100	230	100	100	1950	2600	2650	0.1	150	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	80	80	80	80	100	80	180	100	80	2150	2600	2650	0.1	150	100	0.1	0.1	0.1	100	0.1	0.1	0.1	80	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	60	60	60	60	100	60	150	100	60	2350	2600	2650	0.1	150	80	100	0.1	0.1	100	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1
2008	2009	32142	32508	80	60	60	60	60	100	60	150	100	60	2600	2600	2650	0.1	150	80	80	0.1	0.1	100	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1
2009	2010	32508	32873	60	60	60	60	60	100	60	150	100	60	2850	2600	2300	0.1	100	80	60	0.1	250	100	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1
2010	2011	32873	33238	60	60	60	60	60	100	60	150	100	60	3100	2600	2000	0.1	100	80	60	0.1	180	80	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1

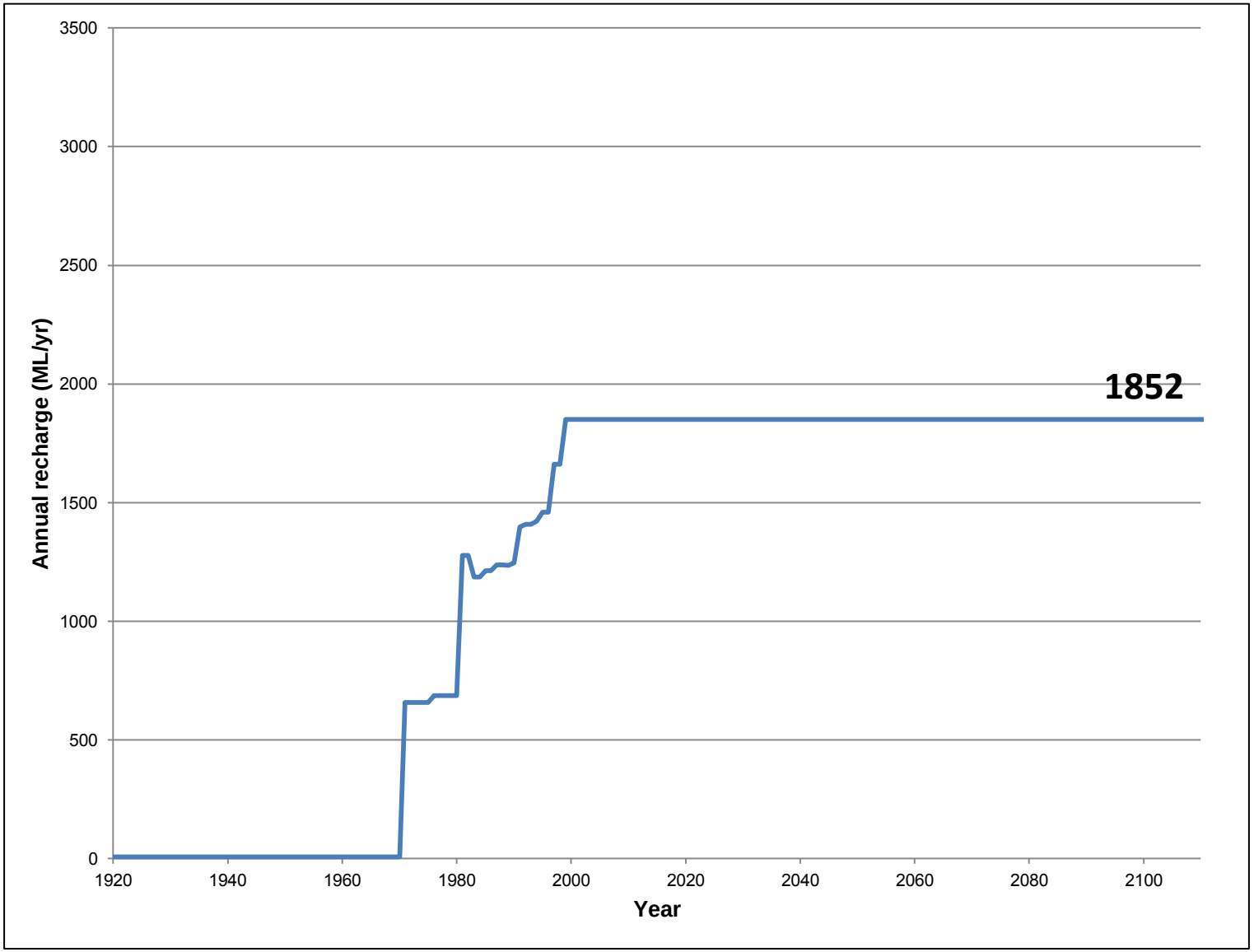
A-3 (Historical model). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Bookpurnong area (Historical model)



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

Bookpurnong				Pre-1988 Irrigation													Post-1988 Irrigation														Future
Irrigation Start Year				1961	1965	1970	1974	1980	1980	1984	1986	1988	1988	1980	1980	1980	1995	1995	1995	1997	1999	1999	1999	1999	2001	2003	2003	2004	2005	2006	2015
Lag time (Years)				9	10	10	10	10	6	10	10	10	10	0	0	0	20	16	16	14	15	12	12	15	10	10	8	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone2	Zone3	Zone4	Zone5	Zone6	Zone7	Zone8	Zone9	Zone10	Zone11	Zone26	Zone27	Zone28	Zone12	Zone13	Zone14	Zone15	Zone16	Zone17	Zone18	Zone19	Zone20	Zone21	Zone22	Zone23	Zone24	Zone25	Zone 53
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1945	7305	9132	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1955	10958	12784	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	14610	16437	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	16437	18263	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	18263	20089	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	20089	21915	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1982	21915	22646	250	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	230	230	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	230	230	230	300	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	210	210	210	250	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	24837	25203	210	210	210	230	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25203	25568	210	210	210	230	0.1	450	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25568	25933	210	210	210	230	300	450	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25933	26298	210	210	210	230	300	500	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	26298	26664	210	210	210	230	300	500	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	26664	27029	210	210	210	230	300	550	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	27029	27394	210	210	210	230	300	550	300	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	27394	27759	210	210	210	230	300	550	300	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	210	210	210	230	300	550	300	350	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	210	210	210	230	300	550	300	350	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2013	33238	33969	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	33969	34334	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	34334	34699	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	34699	35064	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	35064	35430	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	35430	35795	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	35795	70127	210	210	210	230	300	550	300	350	120	300	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

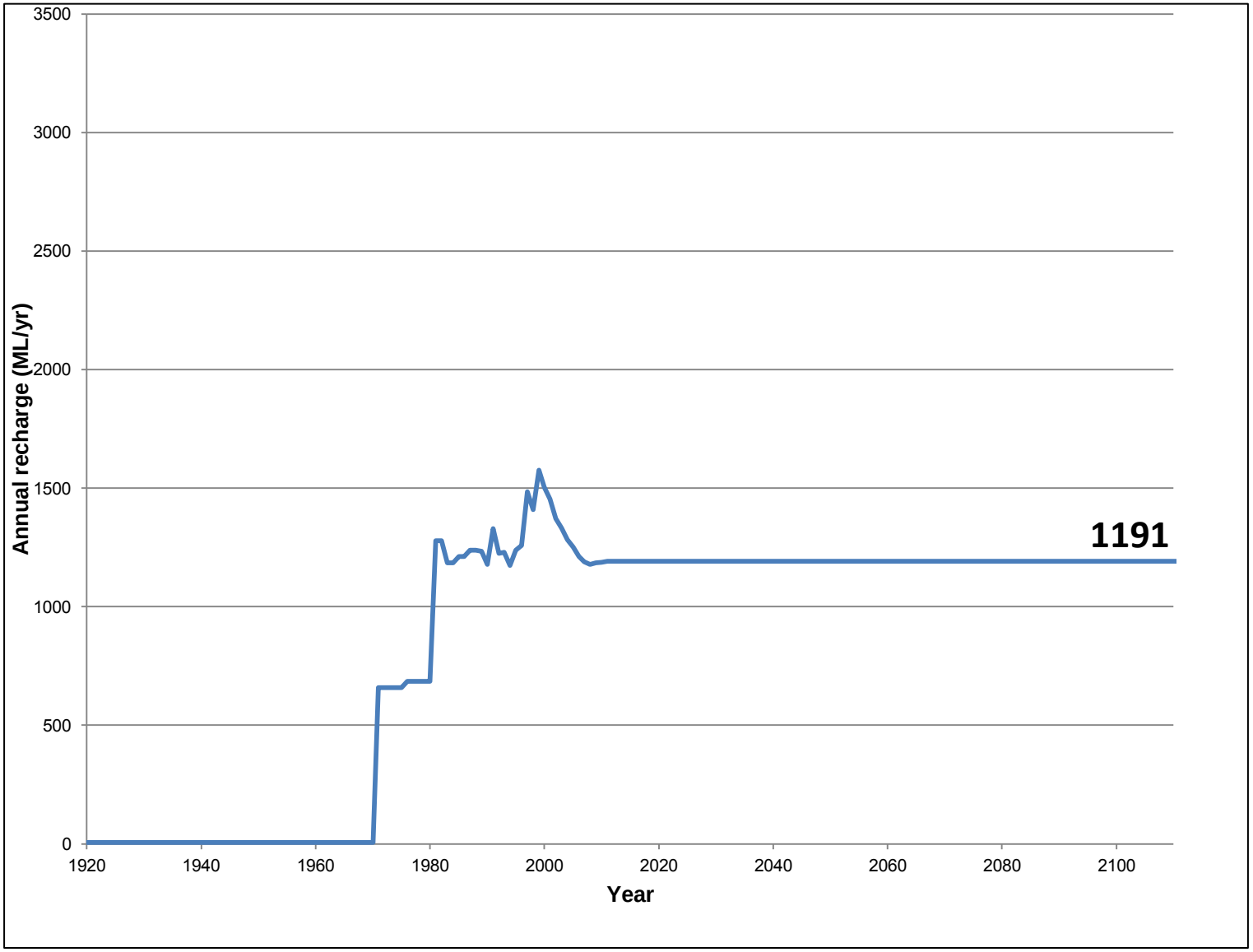
A-3 (S3a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Bookpurnong area (Scenario 3a)



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

Bookpurnong				Pre-1988 Irrigation													Post-1988 Irrigation														Future
Irrigation Start Year				1961	1965	1970	1974	1980	1980	1984	1986	1988	1988	1980	1980	1980	1995	1995	1995	1997	1999	1999	1999	1999	2001	2003	2003	2004	2005	2006	2015
Lag time (Years)				9	10	10	10	10	6	10	10	10	10	0	0	0	20	16	16	14	15	12	12	15	10	10	8	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone2	Zone3	Zone4	Zone5	Zone6	Zone7	Zone8	Zone9	Zone10	Zone11	Zone26	Zone27	Zone28	Zone12	Zone13	Zone14	Zone15	Zone16	Zone17	Zone18	Zone19	Zone20	Zone21	Zone22	Zone23	Zone24	Zone25	Zone 53
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1945	7305	9132	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1955	10958	12784	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	14610	16437	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	16437	18263	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	18263	20089	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	20089	21915	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1982	21915	22646	250	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	230	230	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	230	230	230	300	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	210	210	210	250	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	24837	25203	210	210	210	230	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25203	25568	190	190	190	210	0.1	450	0.1	0.1	0.1	0.1	500	2000	3500	0.1	0.1	0.1	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	25568	25933	190	190	190	190	300	450	0.1	0.1	0.1	0.1	600	2000	3500	0.1	0.1	0.1	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	25933	26298	170	170	170	170	200	500	0.1	0.1	0.1	0.1	750	2000	3500	0.1	0.1	0.1	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	26298	26664	170	170	170	170	200	500	0.1	0.1	0.1	0.1	850	2000	3500	0.1	0.1	0.1	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	26664	27029	150	150	150	150	200	550	0.1	0.1	0.1	0.1	950	2000	3500	0.1	0.1	0.1	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	27029	27394	150	150	150	150	180	550	300	0.1	0.1	0.1	1050	2200	3700	0.1	0.1	0.1	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	27394	27759	150	150	150	150	160	550	250	0.1	0.1	0.1	1100	2400	3900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	150	150	150	150	140	550	210	350	0.1	0.1	1250	2600	4100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	140	140	140	140	120	550	170	300	0.1	0.1	1250	2600	4300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	140	140	140	140	120	550	140	260	120	300	1300	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	130	130	130	130	110	550	130	230	120	250	1350	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	110	130	130	130	110	550	130	230	120	210	1400	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	100	120	120	120	100	500	120	230	110	170	1450	2600	3850	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	120	120	120	100	400	120	230	110	130	1500	2600	3400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	110	110	110	100	300	110	230	110	110	1550	2600	3150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	110	110	110	100	200	110	230	100	110	1750	2600	2900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	100	100	230	100	100	1950	2600	2650	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	100	100	100	100	100	100	180	100	100	2150	2600	2650	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	100	100	100	100	100	100	150	100	100	2350	2600	2650	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	32142	32508	100	100	100	100	100	100	100	150	100	100	2600	2600	2650	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	32508	32873	100	100	100	100	100	100	100	150	100	100	2850	2600	2300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	32873	33238	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2013	33238	33969	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	33969	34334	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	34334	34699	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	34699	35064	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	35064	35430	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	35430	35795	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2112	35795	70127	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

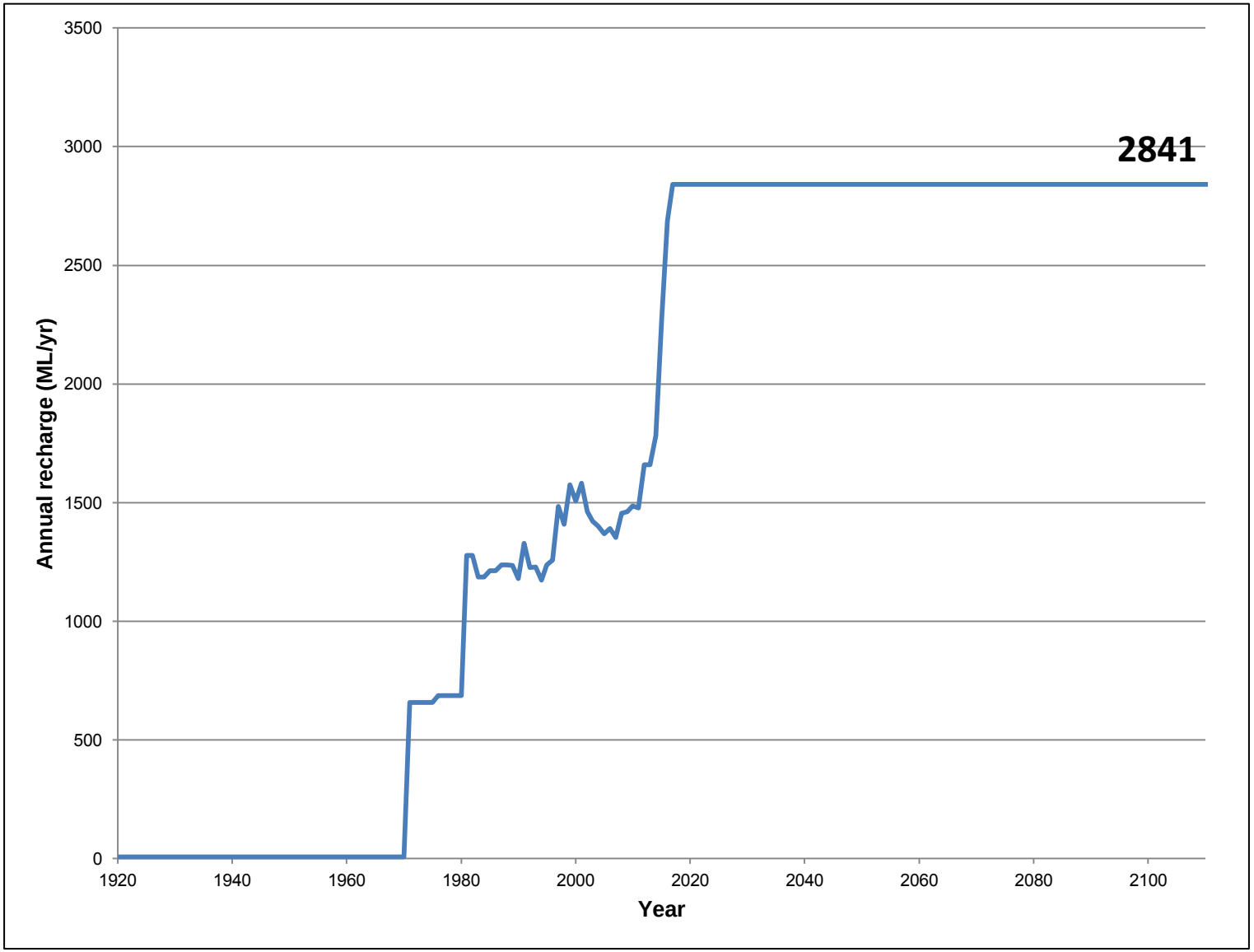
A-3 (S3c/S8b). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Bookpurnong area (Scenarios 3c and 8b)



A-3 (S3c/S8b). Total recharge volume applied in the Bookpurnong area (Scenarios 3c and 8b)

Bookpurnong				Pre-1988 Irrigation													Post-1988 Irrigation														Future
Irrigation Start Year				1961	1965	1970	1974	1980	1980	1984	1986	1988	1988	1980	1980	1980	1995	1995	1995	1997	1999	1999	1999	1999	2001	2003	2003	2004	2005	2006	2015
Lag time (Years)				9	10	10	10	10	6	10	10	10	10	0	0	0	20	10	5	10	15	10	4	15	10	10	0	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone2	Zone3	Zone4	Zone5	Zone6	Zone7	Zone8	Zone9	Zone10	Zone11	Zone26	Zone27	Zone28	Zone12	Zone13	Zone14	Zone15	Zone16	Zone17	Zone18	Zone19	Zone20	Zone21	Zone22	Zone23	Zone24	Zone25	Zone 53
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1945	7305	9132	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1955	10958	12784	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	14610	16437	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	16437	18263	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	18263	20089	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	20089	21915	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1982	21915	22646	250	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	230	230	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	230	230	230	300	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	210	210	210	250	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	24837	25203	210	210	210	230	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25203	25568	190	190	190	210	0.1	450	0.1	0.1	0.1	0.1	500	2000	3500	0.1	0.1	0.1	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	25568	25933	190	190	190	190	300	450	0.1	0.1	0.1	0.1	600	2000	3500	0.1	0.1	0.1	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	25933	26298	170	170	170	170	200	500	0.1	0.1	0.1	0.1	750	2000	3500	0.1	0.1	0.1	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	26298	26664	170	170	170	170	200	500	0.1	0.1	0.1	0.1	850	2000	3500	0.1	0.1	0.1	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	26664	27029	150	150	150	150	200	550	0.1	0.1	0.1	0.1	950	2000	3500	0.1	0.1	0.1	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	27029	27394	150	150	150	150	180	550	300	0.1	0.1	0.1	1050	2200	3700	0.1	0.1	0.1	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	27394	27759	150	150	150	150	160	550	250	0.1	0.1	0.1	1100	2400	3900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	150	150	150	150	140	550	210	350	0.1	0.1	1250	2600	4100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	140	140	140	140	120	550	170	300	0.1	0.1	1250	2600	4300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	140	140	140	140	120	550	140	260	120	300	1300	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	130	130	130	130	110	550	130	230	120	250	1350	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	110	130	130	130	110	550	130	230	120	210	1400	2600	4500	0.1	0.1	170	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	100	120	120	120	100	500	120	230	110	170	1450	2600	3850	0.1	0.1	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	120	120	120	100	400	120	230	110	130	1500	2600	3400	0.1	0.1	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	110	110	110	100	300	110	230	110	110	1550	2600	3150	0.1	0.1	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	110	110	110	100	200	110	230	100	110	1750	2600	2900	0.1	0.1	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	100	100	230	100	100	1950	2600	2650	0.1	150	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	100	100	100	100	100	100	180	100	100	2150	2600	2650	0.1	150	100	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	100	100	100	100	100	100	150	100	100	2350	2600	2650	0.1	150	100	100	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2008	2009	32142	32508	100	100	100	100	100	100	100	150	100	100	2600	2600	2650	0.1	150	100	100	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2009	2010	32508	32873	100	100	100	100	100	100	100	150	100	100	2850	2600	2300	0.1	100	100	100	0.1	250	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2010	2011	32873	33238	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	0.1	180	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2011	2013	33238	33969	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	0.1	180	100	0.1	100	0.1	100	0.1	0.1	0.1	0.1
2013	2014	33969	34334	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	0.1	180	100	0.1	100	100	100	0.1	0.1	0.1	0.1
2014	2015	34334	34699	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	100	180	100	100	100	100	100	100	0.1	0.1	0.1
2015	2016	34699	35064	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	0.1	0.1
2016	2017	35064	35430	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	100	0.1
2017	2018	35430	35795	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	100	0.1
2018	2112	35795	70127	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	100	0.1

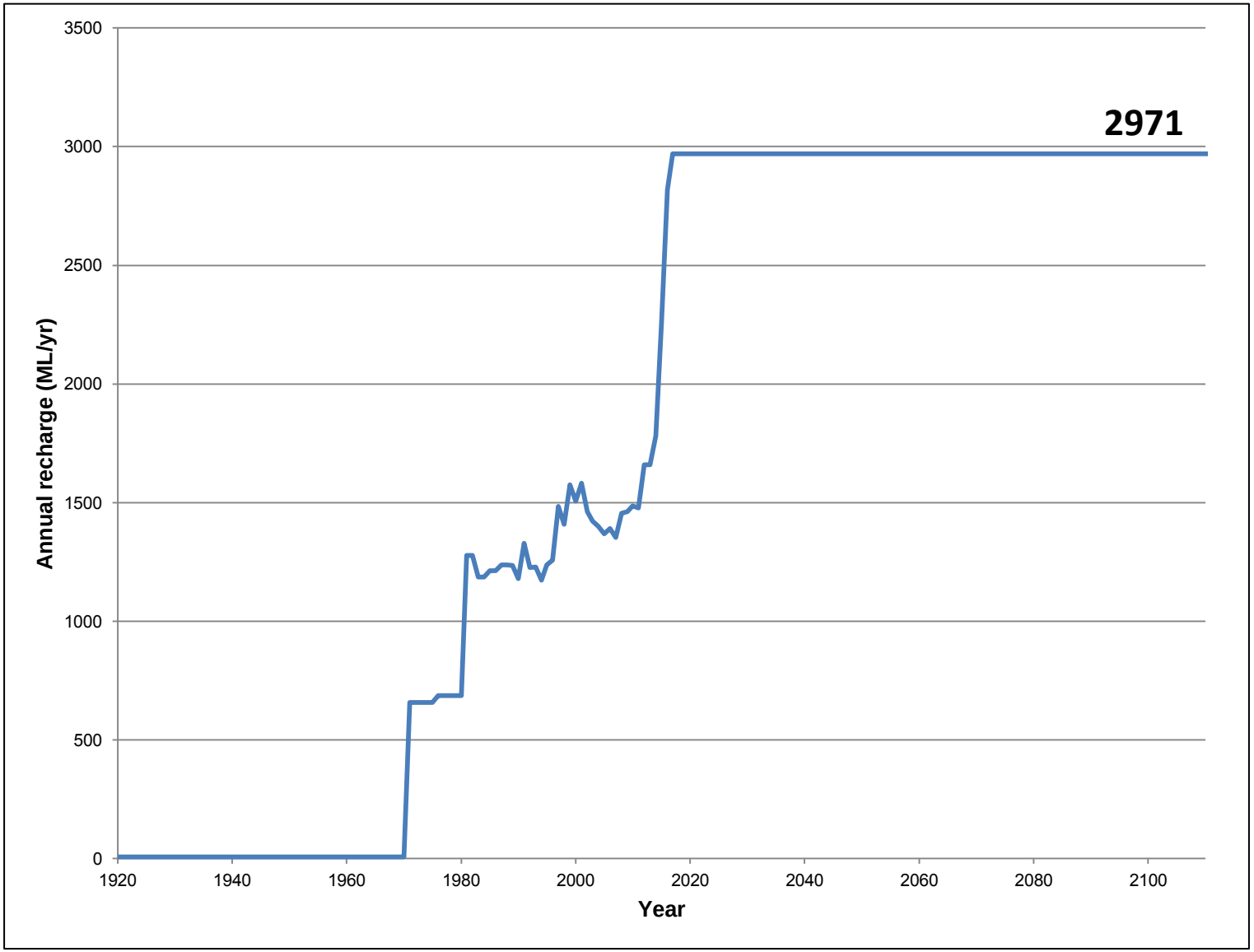
A-3 (S4/S8a). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Bookpurnong area (Scenarios 4 and 8a)



A-3 (S4/S8a). Total recharge volume applied in the Bookpurnong area (Scenarios 4 and 8a)

Bookpurnong				Pre-1988 Irrigation													Post-1988 Irrigation														Future
Irrigation Start Year				1961	1965	1970	1974	1980	1980	1984	1986	1988	1988	1980	1980	1980	1995	1995	1995	1997	1999	1999	1999	1999	2001	2003	2003	2004	2005	2006	2015
Lag time (Years)				9	10	10	10	10	6	10	10	10	10	0	0	0	20	10	5	10	15	10	4	15	10	10	0	10	10	10	0
Start (Year)	Stop (Year)	Start (Day)	Stop (Day)	Zone2	Zone3	Zone4	Zone5	Zone6	Zone7	Zone8	Zone9	Zone10	Zone11	Zone26	Zone27	Zone28	Zone12	Zone13	Zone14	Zone15	Zone16	Zone17	Zone18	Zone19	Zone20	Zone21	Zone22	Zone23	Zone24	Zone25	Zone 53
1920	1920	0	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1925	1	1827	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1925	1930	1827	3653	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1935	3653	5479	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1935	1940	5479	7305	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1945	7305	9132	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1945	1950	9132	10958	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1955	10958	12784	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1955	1960	12784	14610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	14610	16437	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	16437	18263	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	18263	20089	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	20089	21915	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1982	21915	22646	250	250	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1982	1984	22646	23376	230	230	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1986	23376	24107	230	230	230	300	0.1	0.1	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1986	1988	24107	24837	210	210	210	250	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	24837	25203	210	210	210	230	0.1	400	0.1	0.1	0.1	0.1	400	2000	3500	0.1	0.1	0.1	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	25203	25568	190	190	190	210	0.1	450	0.1	0.1	0.1	0.1	500	2000	3500	0.1	0.1	0.1	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	25568	25933	190	190	190	190	300	450	0.1	0.1	0.1	0.1	600	2000	3500	0.1	0.1	0.1	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	25933	26298	170	170	170	170	200	500	0.1	0.1	0.1	0.1	750	2000	3500	0.1	0.1	0.1	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	26298	26664	170	170	170	170	200	500	0.1	0.1	0.1	0.1	850	2000	3500	0.1	0.1	0.1	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	26664	27029	150	150	150	150	200	550	0.1	0.1	0.1	0.1	950	2000	3500	0.1	0.1	0.1	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	27029	27394	150	150	150	150	180	550	300	0.1	0.1	0.1	1050	2200	3700	0.1	0.1	0.1	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	27394	27759	150	150	150	150	160	550	250	0.1	0.1	0.1	1100	2400	3900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	27759	28125	150	150	150	150	140	550	210	350	0.1	0.1	1250	2600	4100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	28125	28490	140	140	140	140	120	550	170	300	0.1	0.1	1250	2600	4300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	28490	28855	140	140	140	140	120	550	140	260	120	300	1300	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	28855	29220	130	130	130	130	110	550	130	230	120	250	1350	2600	4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	29220	29586	110	130	130	130	110	550	130	230	120	210	1400	2600	4500	0.1	0.1	170	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	29586	29951	100	120	120	120	100	500	120	230	110	170	1450	2600	3850	0.1	0.1	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	29951	30316	100	120	120	120	100	400	120	230	110	130	1500	2600	3400	0.1	0.1	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	30316	30681	100	110	110	110	100	300	110	230	110	110	1550	2600	3150	0.1	0.1	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2004	2005	30681	31047	100	110	110	110	100	200	110	230	100	110	1750	2600	2900	0.1	0.1	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2005	2006	31047	31412	100	100	100	100	100	100	100	230	100	100	1950	2600	2650	0.1	150	120	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2006	2007	31412	31777	100	100	100	100	100	100	100	180	100	100	2150	2600	2650	0.1	150	100	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2007	2008	31777	32142	100	100	100	100	100	100	100	150	100	100	2350	2600	2650	0.1	150	100	100	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2008	2009	32142	32508	100	100	100	100	100	100	100	150	100	100	2600	2600	2650	0.1	150	100	100	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2009	2010	32508	32873	100	100	100	100	100	100	100	150	100	100	2850	2600	2300	0.1	100	100	100	0.1	250	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2010	2011	32873	33238	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	0.1	180	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1
2011	2013	33238	33969	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	0.1	180	100	0.1	100	0.1	100	0.1	0.1	0.1	0.1
2013	2014	33969	34334	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	0.1	180	100	0.1	100	100	100	0.1	0.1	0.1	0.1
2014	2015	34334	34699	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	0.1	100	100	100	100	180	100	100	100	100	100	100	0.1	0.1	0.1
2015	2016	34699	35064	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	0.1	100
2016	2017	35064	35430	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	100	100
2017	2018	35430	35795	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	100	100
2018	2112	35795	70127	100	100	100	100	100	100	100	150	100	100	3100	2600	2000	100	100	100	100	100	180	100	100	100	100	100	100	100	100	100

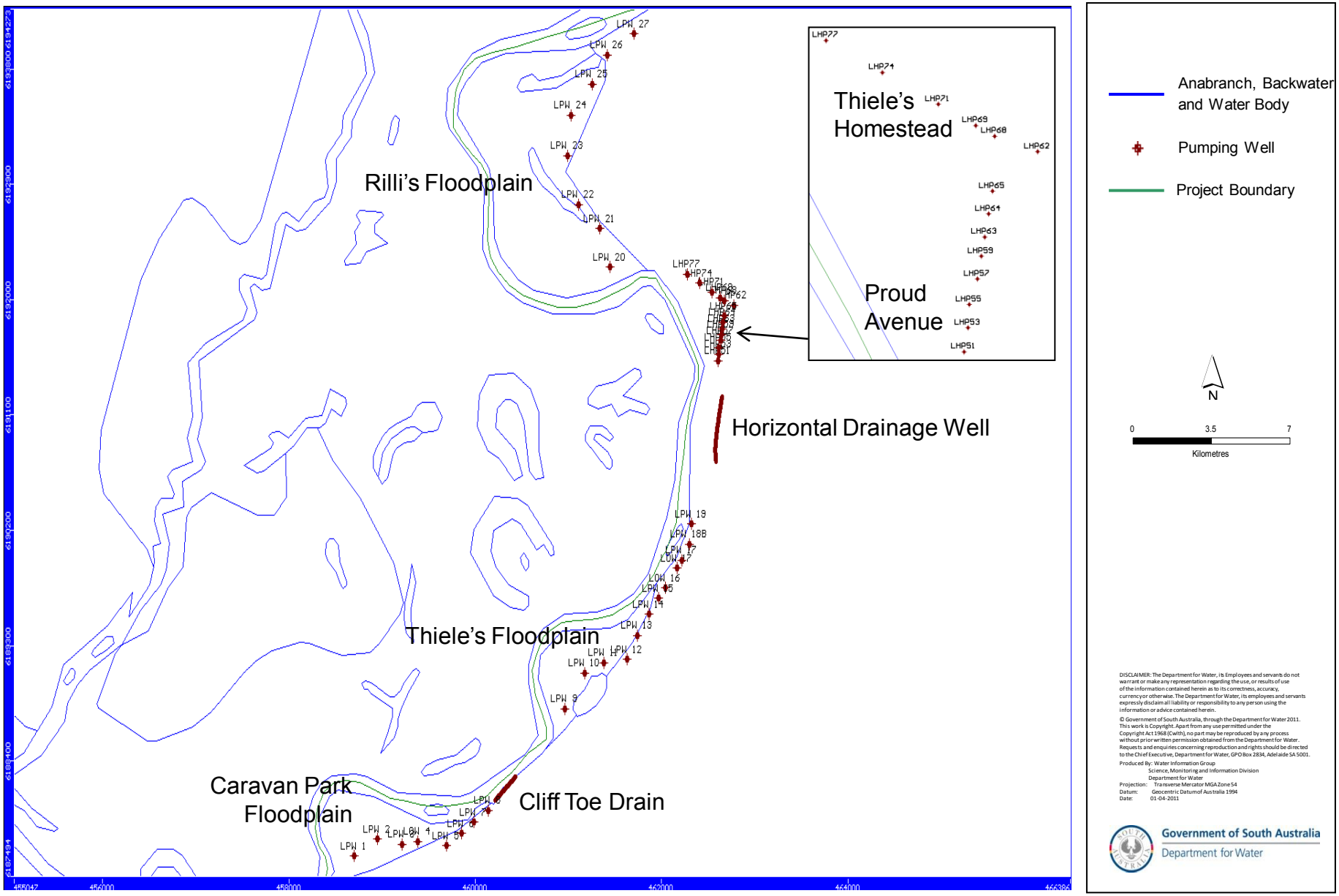
A-3 (S5/S8c). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Bookpurnong area (Scenarios 5 and 8c)



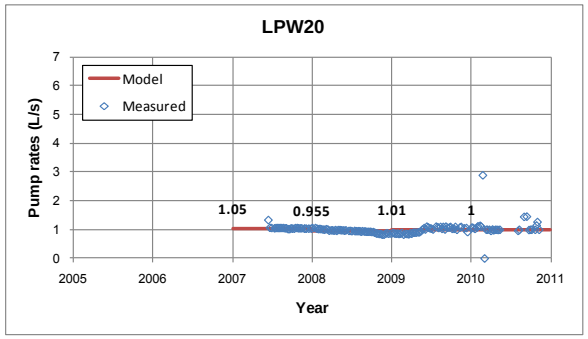
A-3 (S5/S8c). Total recharge volume applied in the Bookpurnong area (Scenarios 5 and 8c)

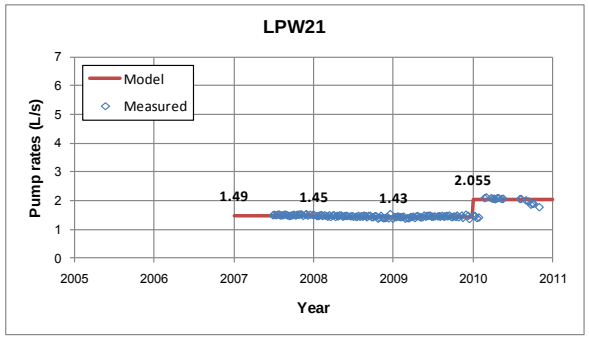
A-4 HISTORICAL MODEL INPUT – PUMPING RATES FOR LOXTON SIS

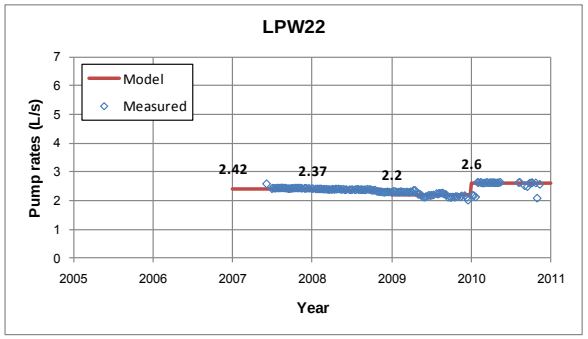
- Location of pumping wells
- Recorded pumping rates
- Model pumping rates

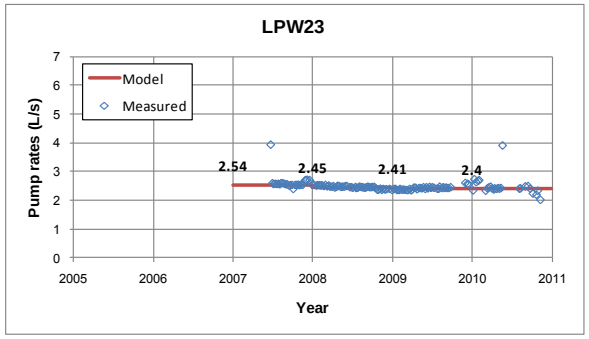


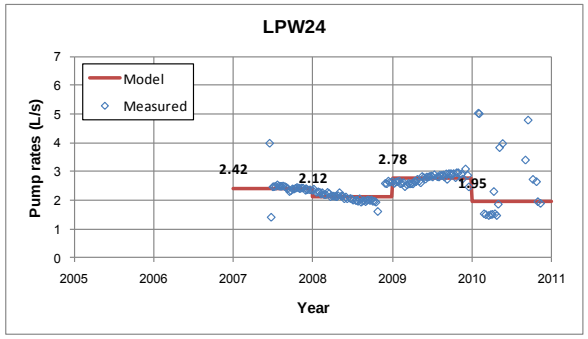
A-4. Location of pumping wells in the Loxton project area

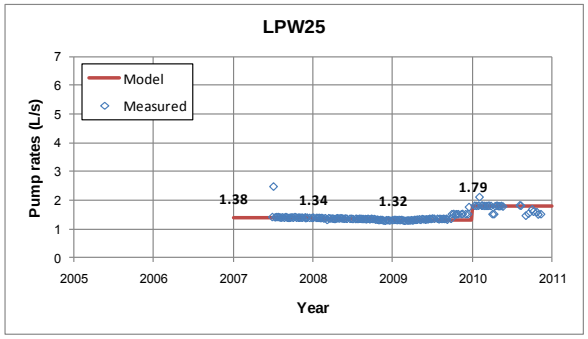


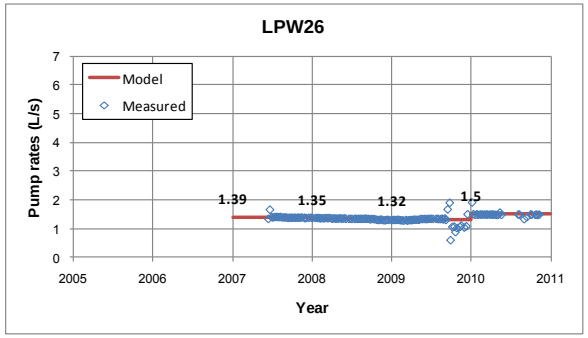


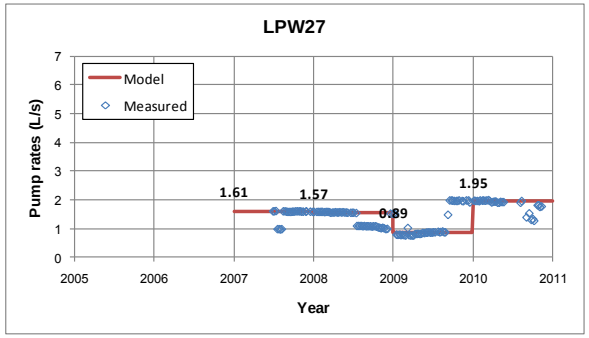




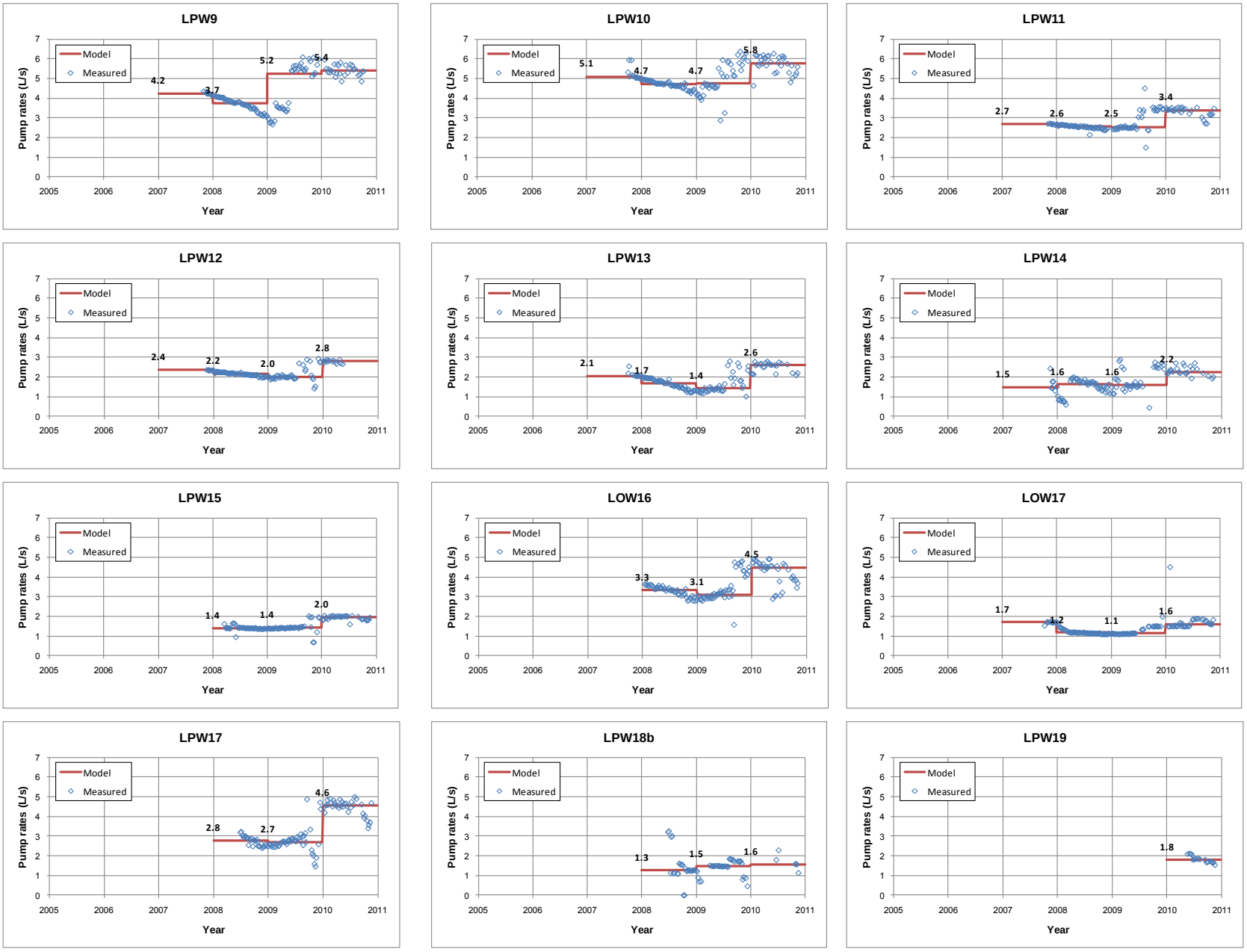




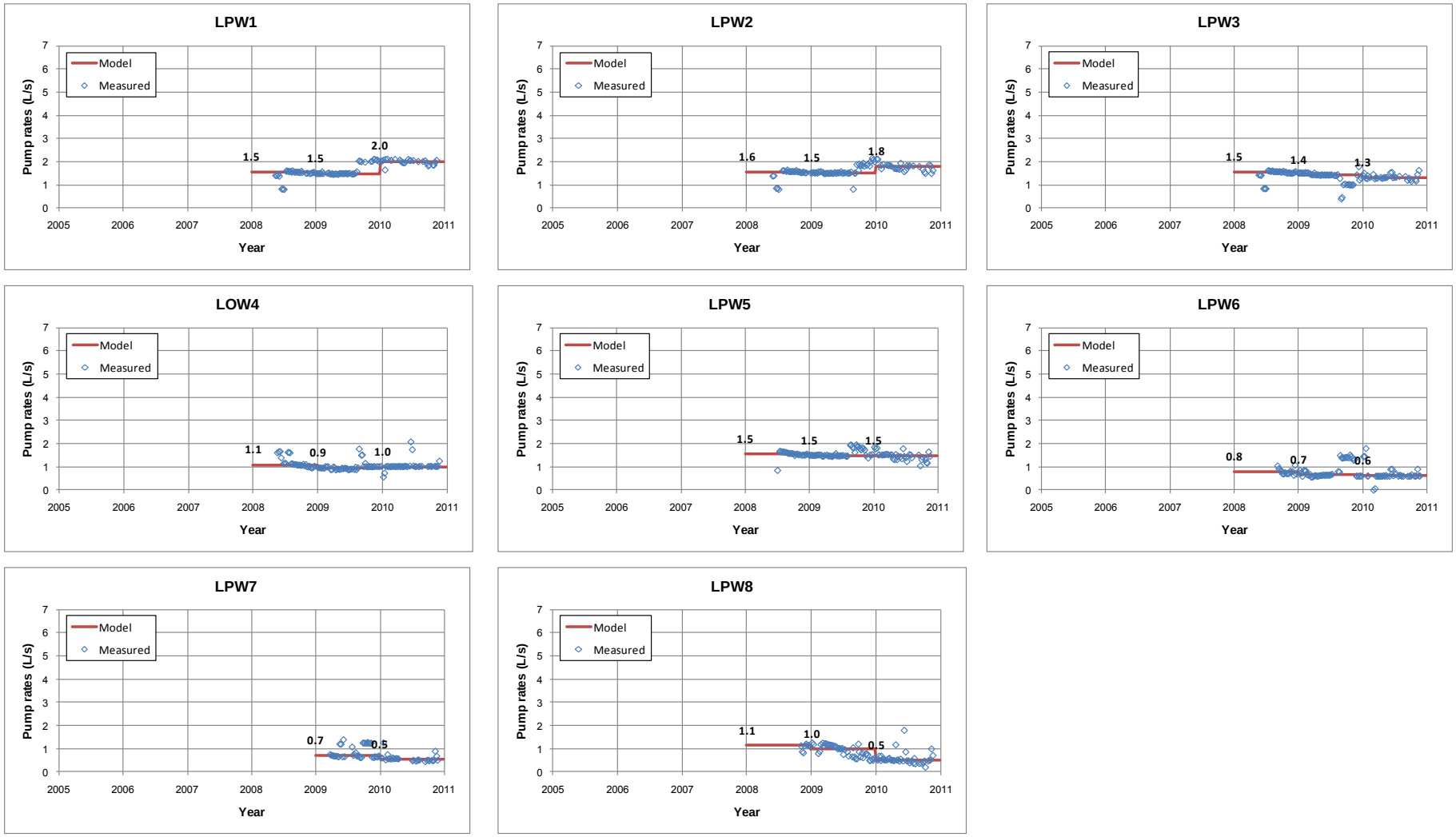




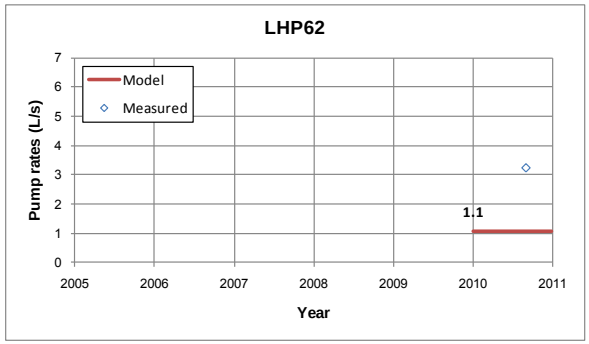
A-4. Measured and model pumping rates in Rilli's Floodplain

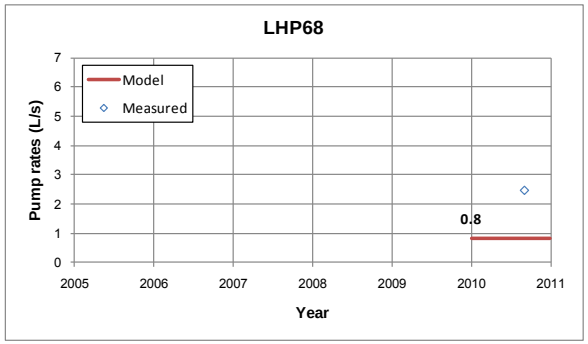


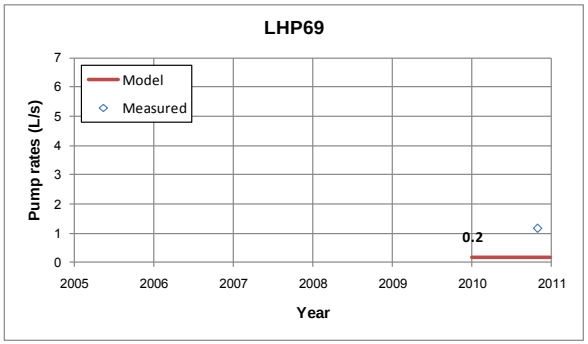
A-4. Measured and model pumping rates in Thiele's Floodplain

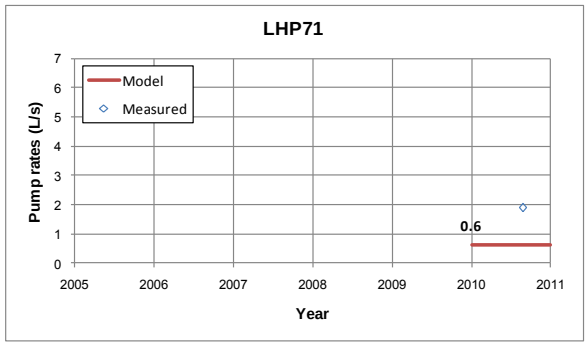


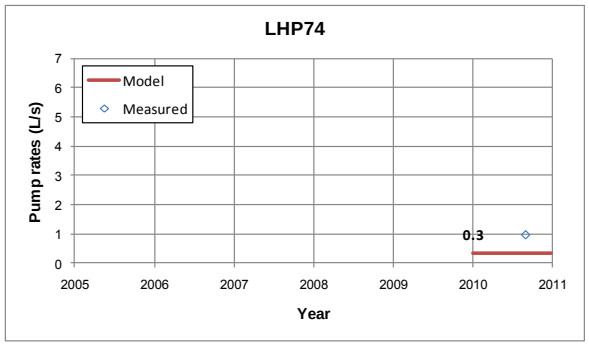
A-4. Measured and model pumping rates in Caravan Park Floodplain

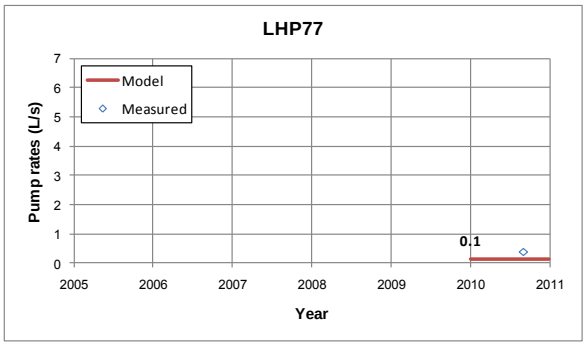






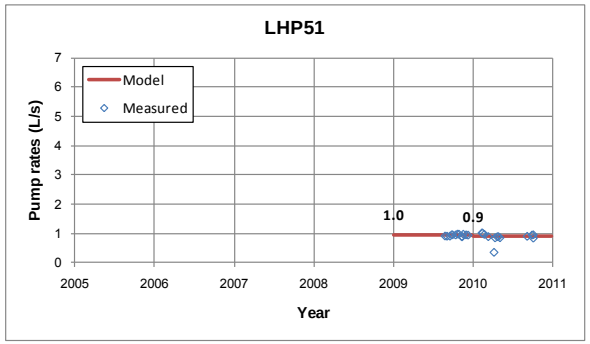


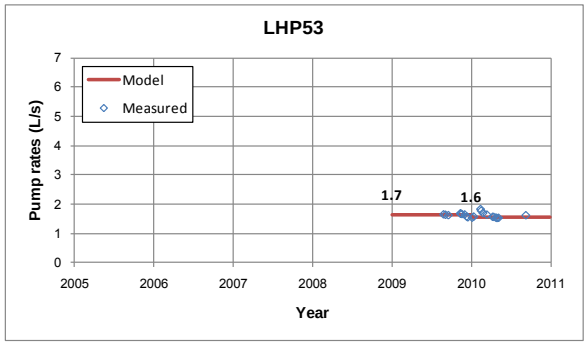


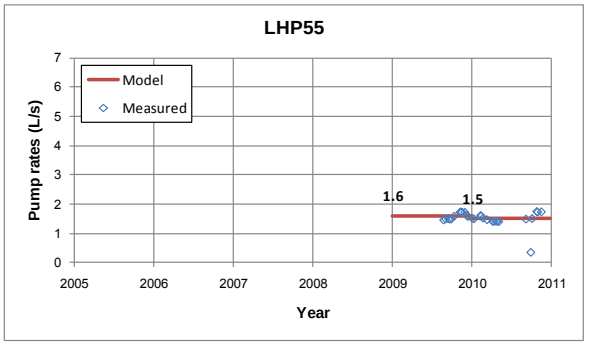


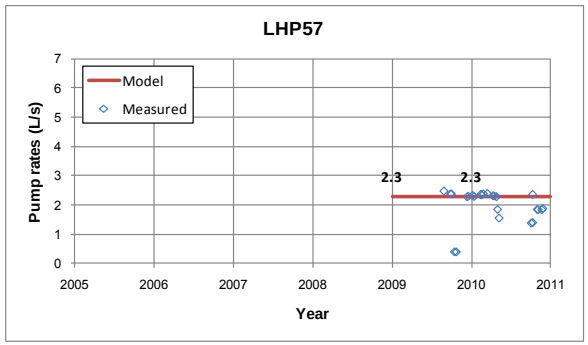
A-4. Measured and model pumping rates in Thiele's Homestead

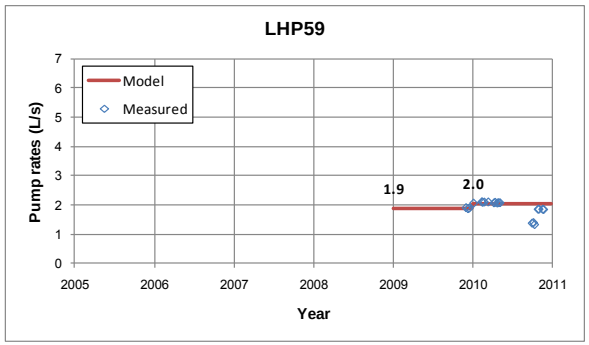
Note: Model pumping rates are lower than measured pumping rates to reflect the fact that pumping started in late 2010.

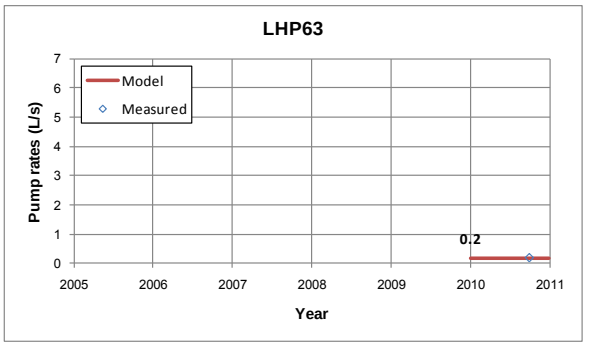


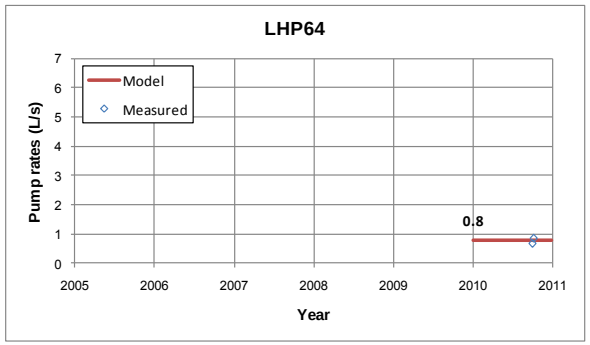


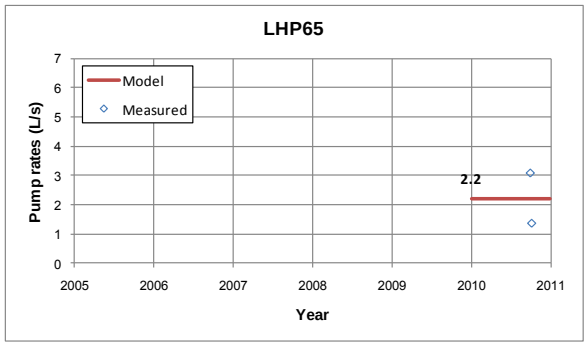












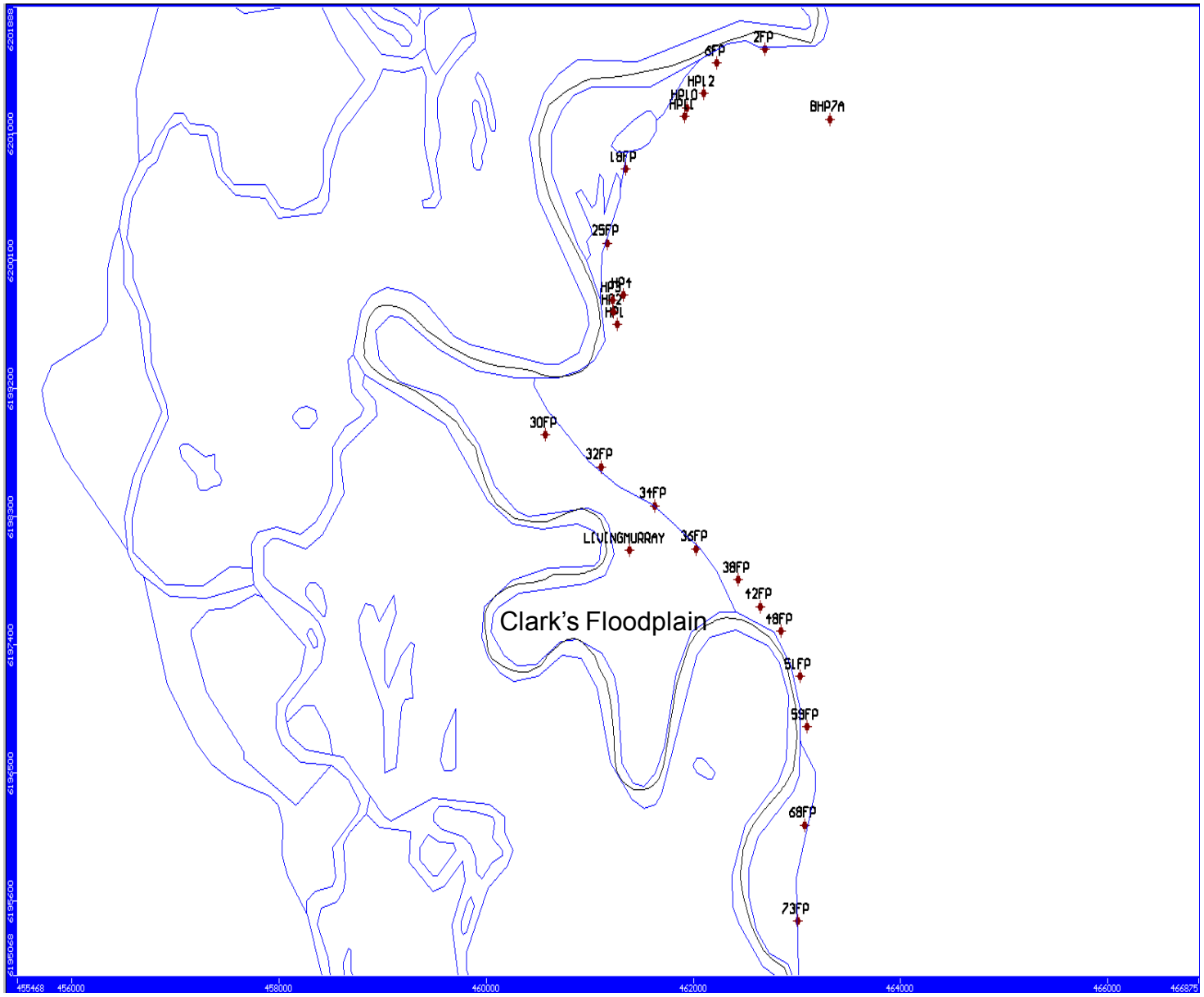
A-4. Measured and model pumping rates in Proud Avenue

Bore	Pumping rates (L/s)						Region
	2005	2006	2007	2008	2009	2010	
LPW20	0.0	0.0	1.1	1.0	1.0	1.0	Rilli's Floodplain
LPW21	0.0	0.0	1.5	1.5	1.4	2.1	Rilli's Floodplain
LPW22	0.0	0.0	2.4	2.4	2.2	2.6	Rilli's Floodplain
LPW23	0.0	0.0	2.5	2.5	2.4	2.4	Rilli's Floodplain
LPW24	0.0	0.0	2.4	2.1	2.8	2.0	Rilli's Floodplain
LPW25	0.0	0.0	1.4	1.3	1.3	1.8	Rilli's Floodplain
LPW26	0.0	0.0	1.4	1.4	1.3	1.5	Rilli's Floodplain
LPW27	0.0	0.0	1.6	1.6	0.9	2.0	Rilli's Floodplain
LOW16	0.0	0.0	0.0	3.3	3.1	4.5	Thiele's Floodplain
LOW17	0.0	0.0	1.7	1.2	1.1	1.6	Thiele's Floodplain
LPW10	0.0	0.0	5.1	4.7	4.7	5.8	Thiele's Floodplain
LPW11	0.0	0.0	2.7	2.6	2.5	3.4	Thiele's Floodplain
LPW12	0.0	0.0	2.4	2.2	2.0	2.8	Thiele's Floodplain
LPW13	0.0	0.0	2.1	1.7	1.4	2.6	Thiele's Floodplain
LPW14	0.0	0.0	1.5	1.6	1.6	2.2	Thiele's Floodplain
LPW15	0.0	0.0	0.0	1.4	1.4	2.0	Thiele's Floodplain
LPW17	0.0	0.0	0.0	2.8	2.7	4.6	Thiele's Floodplain
LPW18B	0.0	0.0	0.0	1.3	1.5	1.6	Thiele's Floodplain
LPW19	0.0	0.0	0.0	0.0	0.0	1.8	Thiele's Floodplain
LPW9	0.0	0.0	4.2	3.7	5.2	5.4	Thiele's Floodplain
LOW4	0.0	0.0	0.0	1.1	0.9	1.0	Caravan Park Floodplain
LPW1	0.0	0.0	0.0	1.5	1.5	2.0	Caravan Park Floodplain
LPW2	0.0	0.0	0.0	1.6	1.5	1.8	Caravan Park Floodplain
LPW3	0.0	0.0	0.0	1.5	1.4	1.3	Caravan Park Floodplain
LPW5	0.0	0.0	0.0	1.5	1.5	1.5	Caravan Park Floodplain
LPW6	0.0	0.0	0.0	0.8	0.7	0.6	Caravan Park Floodplain
LPW7	0.0	0.0	0.0	0.0	0.7	0.5	Caravan Park Floodplain
LPW8	0.0	0.0	0.0	1.1	1.0	0.5	Caravan Park Floodplain
LHP68	0.0	0.0	0.0	0.0	0.0	0.8	Thiele's Homestead
LHP69	0.0	0.0	0.0	0.0	0.0	0.2	Thiele's Homestead
LHP71	0.0	0.0	0.0	0.0	0.0	0.6	Thiele's Homestead
LHP74	0.0	0.0	0.0	0.0	0.0	0.3	Thiele's Homestead
LHP77	0.0	0.0	0.0	0.0	0.0	0.1	Thiele's Homestead
LHP51	0.0	0.0	0.0	0.0	1.0	0.9	Proud Avenue
LHP53	0.0	0.0	0.0	0.0	1.7	1.6	Proud Avenue
LHP55	0.0	0.0	0.0	0.0	1.6	1.5	Proud Avenue
LHP57	0.0	0.0	0.0	0.0	2.3	2.3	Proud Avenue
LHP59	0.0	0.0	0.0	0.0	1.9	2.0	Proud Avenue
LHP62	0.0	0.0	0.0	0.0	0.0	1.1	Proud Avenue
LHP63	0.0	0.0	0.0	0.0	0.0	0.2	Proud Avenue
LHP64	0.0	0.0	0.0	0.0	0.0	0.8	Proud Avenue
LHP65	0.0	0.0	0.0	0.0	0.0	2.2	Proud Avenue

A-4. Model pumping rates for Loxton SIS

A-5 HISTORICAL MODEL INPUT – PUMPING RATES FOR BOOKPURNONG SIS

- Location of pumping wells
- Recorded pumping rates
- Model pumping rates



Anabranch, Backwater and Water Body

Pumping Well

Project Boundary

N

0 3.5 7

Kilometres

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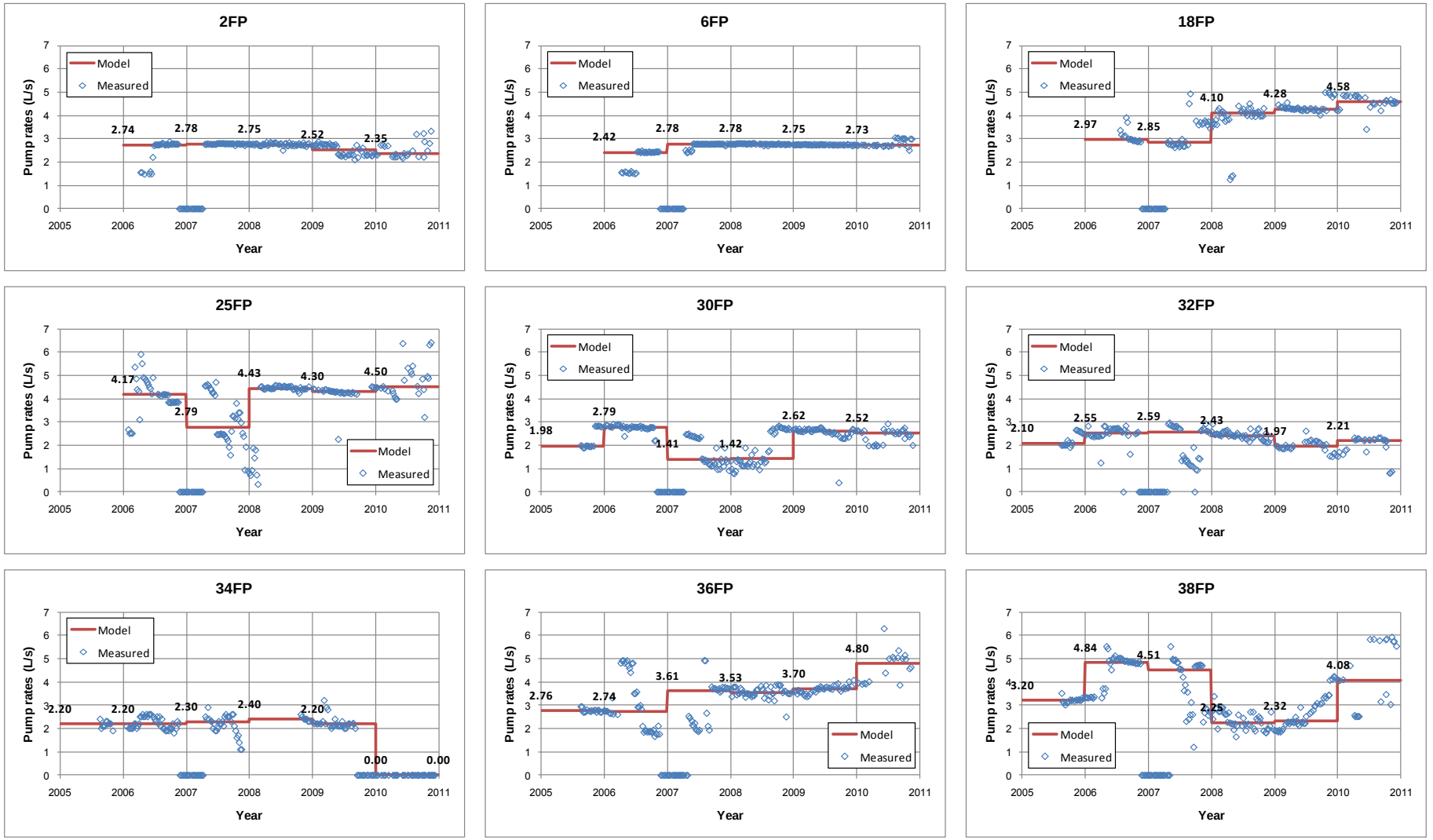
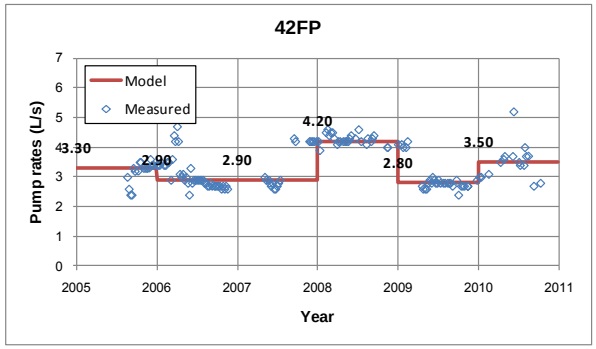
Department for Water
Projection: Transverse Mercator MGA Zone 54
Datum: Geocentric Datum of Australia 1994
Date: 01-04-2011

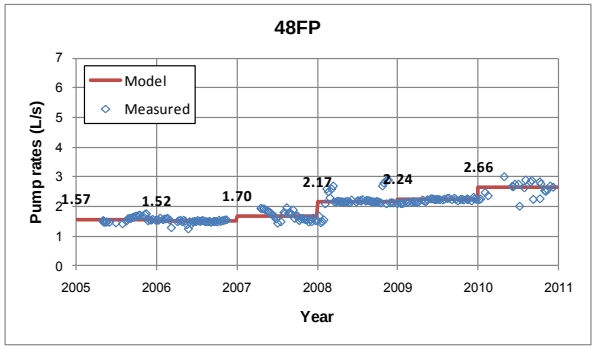
Government of South Australia
Department for Water

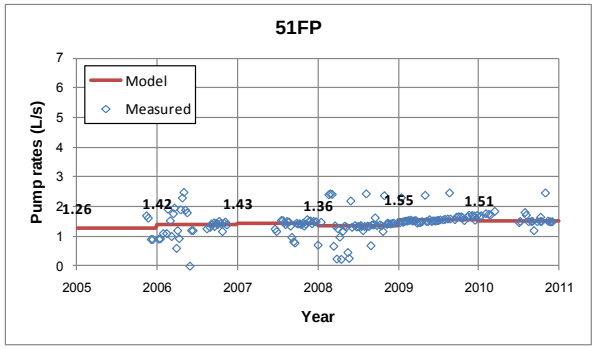
A-5. Location of pumping wells in the Bookpurnong project area

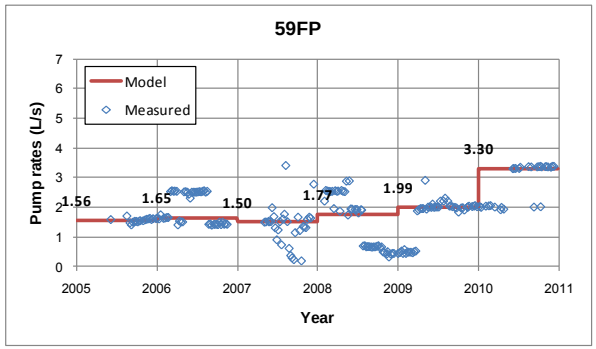


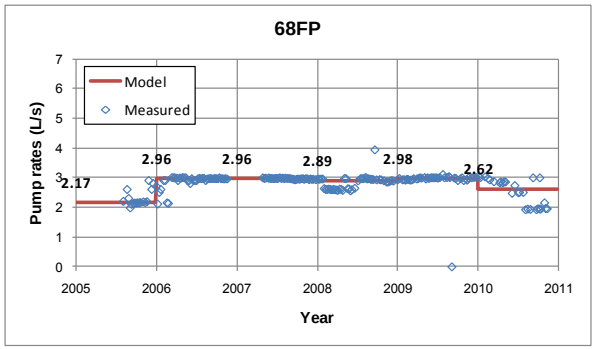
A-5. Measured and model pumping rates in Clark's Floodplain (Part 1/2)

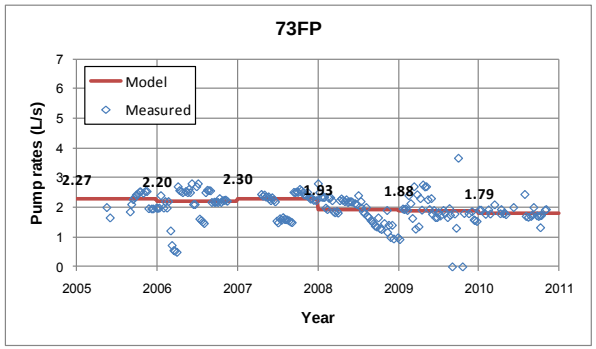


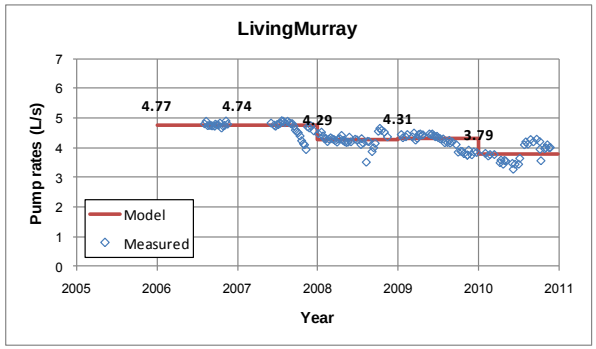




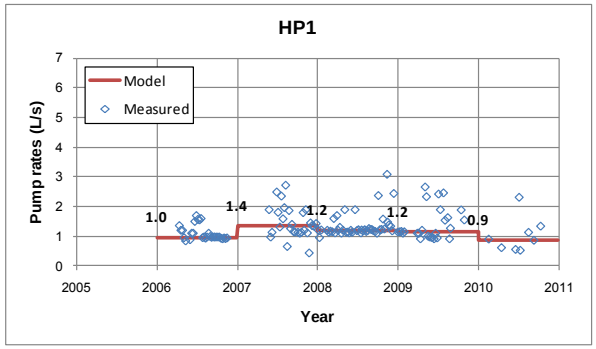


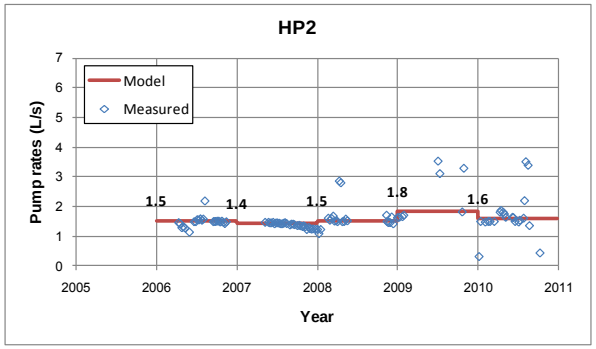


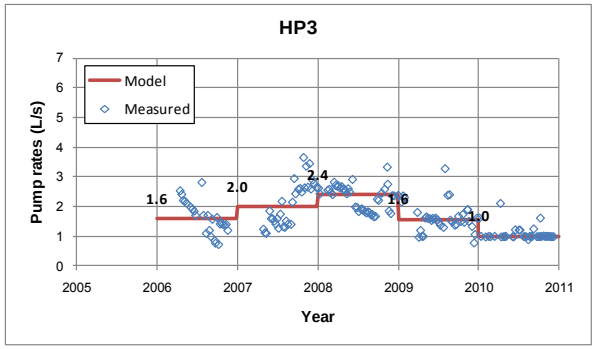


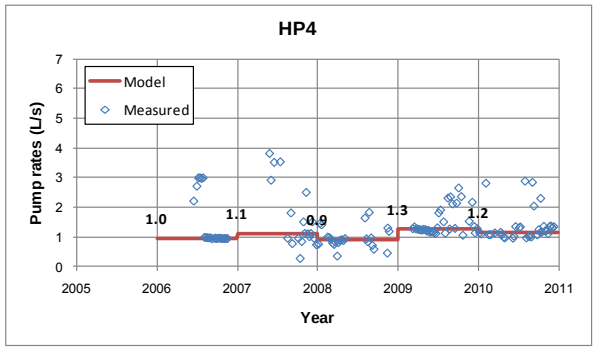


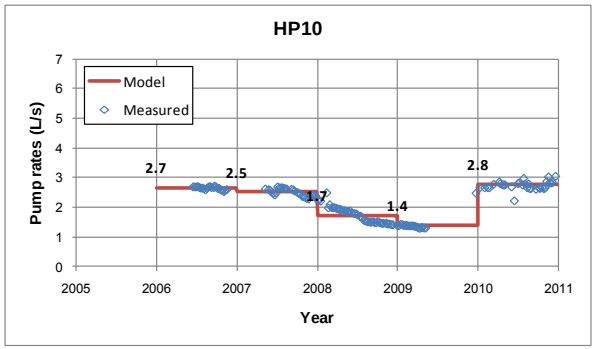
A-5. Measured and model pumping rates in Clark's Floodplain (Part 2/2)

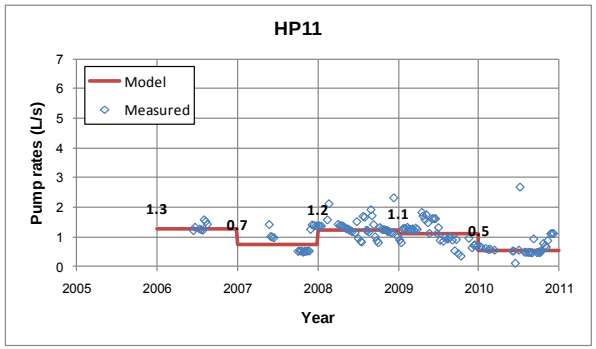


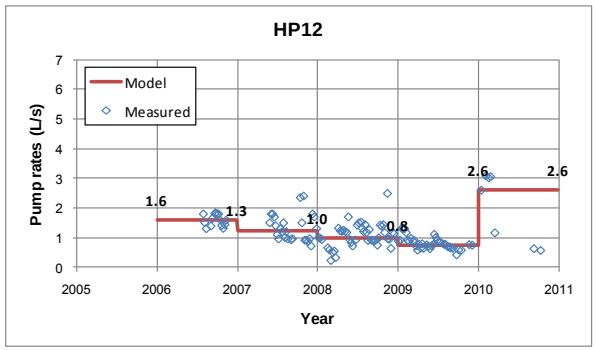












A-5. Measured and model pumping rates in Bookpurnong Highland

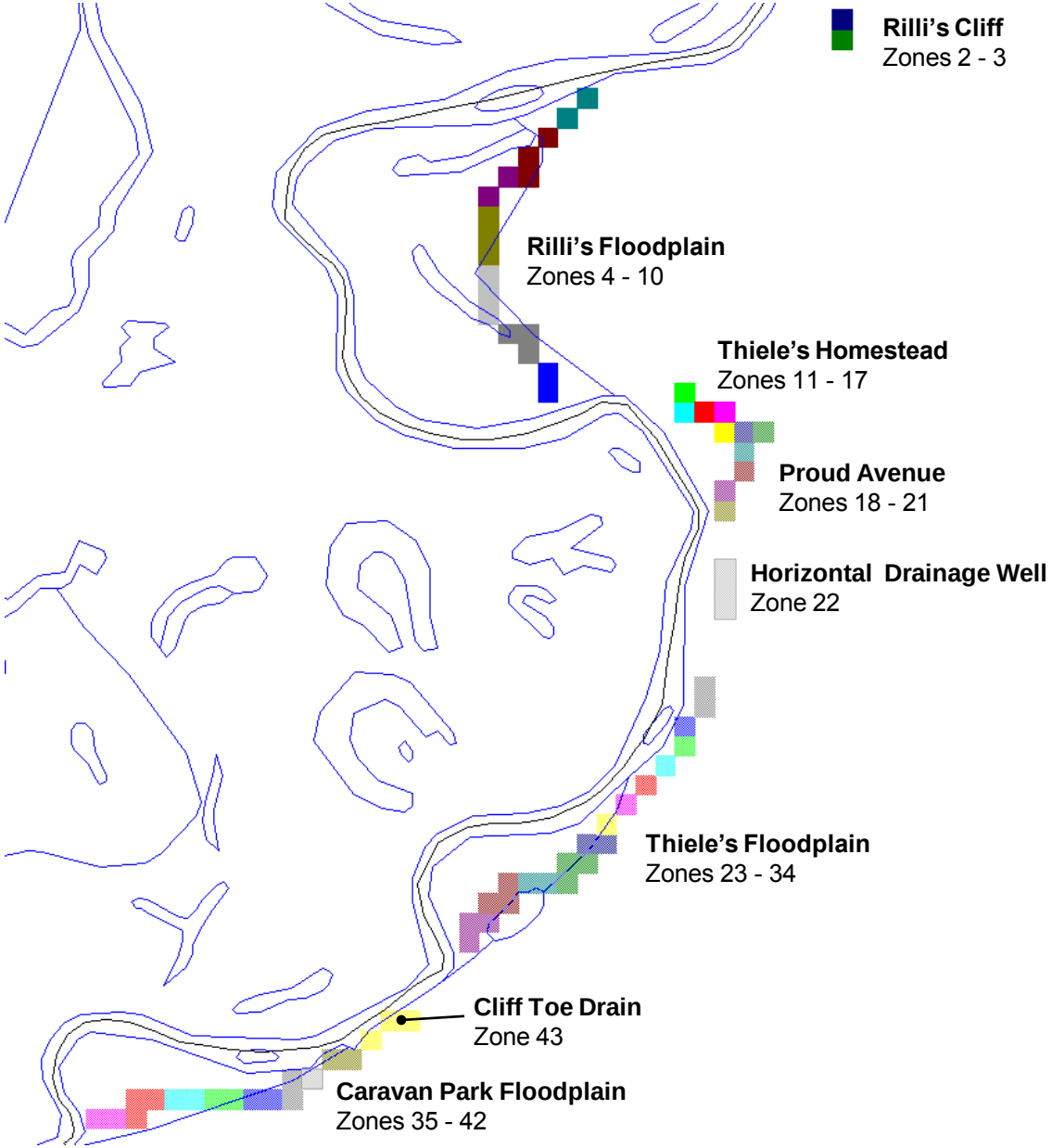
Bore	Pumping rates (L/s)						Region
	2005	2006	2007	2008	2009	2010	
18FP	0.0	3.0	2.9	4.1	4.3	4.6	Bookpurnong Floodplain
25FP	0.0	4.2	2.8	4.4	4.3	4.5	Bookpurnong Floodplain
2FP	0.0	2.7	2.8	2.8	2.5	2.4	Bookpurnong Floodplain
30FP	2.0	2.8	1.4	1.4	2.6	2.5	Bookpurnong Floodplain
32FP	2.1	2.5	2.6	2.4	2.0	2.2	Bookpurnong Floodplain
34FP	2.2	2.2	2.3	2.4	2.2	0.0	Bookpurnong Floodplain
36FP	2.8	2.7	3.6	3.5	3.7	4.8	Bookpurnong Floodplain
38FP	3.2	4.8	4.5	2.3	2.3	4.1	Bookpurnong Floodplain
42FP	3.3	2.9	2.9	4.2	2.8	3.5	Bookpurnong Floodplain
48FP	1.6	1.5	1.7	2.2	2.2	2.7	Bookpurnong Floodplain
51FP	1.3	1.4	1.4	1.4	1.5	1.5	Bookpurnong Floodplain
59FP	1.6	1.7	1.5	1.8	2.0	3.3	Bookpurnong Floodplain
68FP	2.2	3.0	3.0	2.9	3.0	2.6	Bookpurnong Floodplain
6FP	0.0	2.4	2.8	2.8	2.8	2.7	Bookpurnong Floodplain
73FP	2.3	2.2	2.3	1.9	1.9	1.8	Bookpurnong Floodplain
LIVINGMURRAY	0.0	4.8	4.7	4.3	4.3	3.8	Bookpurnong Floodplain
BHP7A	0.0	0.0	0.0	0.0	0.0	0.5	Bookpurnong Highland
HP1	0.0	1.0	1.4	1.2	1.2	0.9	Bookpurnong Highland
HP10	0.0	2.7	2.5	1.7	1.4	2.8	Bookpurnong Highland
HP11	0.0	1.3	0.7	1.2	1.1	0.5	Bookpurnong Highland
HP12	0.0	1.6	1.3	1.0	0.8	2.6	Bookpurnong Highland
HP2	0.0	1.5	1.4	1.5	1.8	1.6	Bookpurnong Highland
HP3	0.0	1.6	2.0	2.4	1.6	1.0	Bookpurnong Highland
HP4	0.0	1.0	1.1	0.9	1.3	1.2	Bookpurnong Highland

A-5. Model pumping rates for Bookpurnong SIS

A-6 PREDICTION MODEL INPUT –PUMPING RATES FOR LOXTON SIS

- Location of pumping wells and model flow budget zones
- Model pumping rates

(Model pumping rates are calculated using Drain cells and obtained from model outputs [Drainage Out].)



A-6. Model budget zones for SIS simulation in the Loxton area

Pumping bores				LHP78	LHP81	LPW27	LPW26	LPW24	LPW23	LPW22	LPW21	LPW20	LHP77	LHP75	LHP74	LHP72	LHP70	LHP69	LHP62	LHP66	LHP63	LHP55	LHP51	Horizontal
				LHP79	LHP82		LPW25						LHP76		LHP73	LHP71		LHP68		LHP65	LHP59	LHP53		Drainage
				LHP80														LHP67		LHP64	LHP57			Well
Maximum Measured Pumping rates (L/s)				-	-	2.01	1.92	5.01	3.93	2.62	2.12	2.90	0.39	-	0.98	-	-	1.17	3.23	-	0.20	1.77	1.02	5.22
				-	-		2.47						-		-	1.90		2.47		3.09	2.09	1.84		
				-														-		0.87	2.48			
Number of bores in the model budget zone				3	2	1	2	1	1	1	1	1	2	1	2	2	1	3	1	3	3	2	1	1
Long term average modelled pumping rates (L/s)				1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
Long term average modelled pumping rates per bore (L/s/bore)				0.3	1.0	1.9	0.9	0.8	1.1	1.0	1.1	1.0	0.3	0.0	0.1	0.6	0.0	0.7	3.1	0.5	0.8	0.1	0.8	2.5
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22
31047	31412	2005	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
31412	31777	2006	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
31777	32142	2007	2008	0.0	0.0	2.1	2.1	0.9	1.2	1.1	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
32142	32508	2008	2009	0.0	0.0	2.0	2.0	0.9	1.2	1.1	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
32508	32873	2009	2010	0.0	0.0	2.0	2.0	0.9	1.2	1.1	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.8	0.7	1.3	2.8
32873	33238	2010	2011	0.0	0.0	2.0	2.0	0.9	1.2	1.1	1.3	1.1	1.0	0.0	0.3	1.3	0.1	2.4	3.5	1.8	2.7	0.3	0.9	2.6
33238	33603	2011	2012	1.5	2.6	2.0	2.0	0.9	1.1	1.1	1.2	1.0	0.8	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.8	2.5
33603	33969	2012	2013	1.2	2.2	2.0	1.9	0.9	1.1	1.1	1.2	1.0	0.8	0.0	0.3	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
33969	34334	2013	2014	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.1	3.2	1.6	2.4	0.2	0.7	2.4
34334	34699	2014	2015	1.0	2.0	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.4
34699	35064	2015	2016	0.9	1.9	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
35064	35430	2016	2017	0.9	1.9	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
35430	35795	2017	2018	0.9	1.9	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
35795	36160	2018	2019	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
36160	36525	2019	2020	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
36525	36891	2020	2021	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
36891	37256	2021	2022	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
37256	37621	2022	2023	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
37621	37986	2023	2024	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
37986	38352	2024	2025	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.4	2.3	0.1	0.6	2.3
38352	38717	2025	2026	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
38717	39082	2026	2027	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
39082	39447	2027	2028	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
39447	39813	2028	2029	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
39813	40178	2029	2030	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
40178	40543	2030	2031	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
40543	40908	2031	2032	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
40908	41274	2032	2033	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
41274	41639	2033	2034	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
41639	42004	2034	2035	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
42004	42369	2035	2036	0.9	1.7	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
42369	42735	2036	2037	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.3	0.1	0.6	2.3
42735	43100	2037	2038	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.3	0.1	0.6	2.3
43100	43465	2038	2039	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.5	2.3	0.1	0.6	2.3
43465	43830	2039	2040	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
43830	44196	2040	2041	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
44196	44561	2041	2042	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
44561	44926	2042	2043	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
44926	45291	2043	2044	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
45291	45657	2044	2045	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
45657	46022	2045	2046	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
46022	46387	2046	2047	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
46387	46752	2047	2048	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
46752	47118	2048	2049	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
47118	47483	2049	2050	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
47483	47848	2050	2051	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
47848	48213	2051	2052	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
48213	48579	2052	2053	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
48579	48944	2053	2054	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
48944	49309	2054	2055	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
49309	49674	2055	2056	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
49674	50040	2056	2057	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
50040	50405	2057	2058	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4

A-6(S8a). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8a) (Part 1/4)

Pumping bores	LHP78	LHP81	LPW27	LPW26	LPW24	LPW23	LPW22	LPW21	LPW20	LHP77	LHP75	LHP74	LHP72	LHP70	LHP69	LHP62	LHP66	LHP63	LHP55	LHP51	Horizontal
	LHP79	LHP82		LPW25						LHP76		LHP73	LHP71		LHP68		LHP65	LHP59	LHP53		Drainage
	LHP80														LHP67		LHP64	LHP57			Well
Maximum Measured Pumping rates (L/s)	-	-	2.01	1.92	5.01	3.93	2.62	2.12	2.90	0.39	-	0.98	-	-	1.17	3.23	-	0.20	1.77	1.02	5.22
	-	-		2.47						-		-	1.90		2.47		3.09	2.09	1.84		
	-														-		0.87	2.48			
Number of bores in the model budget zone	3	2	1	2	1	1	1	1	1	2	1	2	2	1	3	1	3	3	2	1	1
Long term average modelled pumping rates (L/s)	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
Long term average modelled pumping rates per bore (L/s/bore)	0.3	1.0	1.9	0.9	0.8	1.1	1.0	1.1	1.0	0.3	0.0	0.1	0.6	0.0	0.7	3.1	0.5	0.8	0.1	0.8	2.5

Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22
50405	50770	2058	2059	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
50770	51135	2059	2060	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
51135	51501	2060	2061	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.7	2.4
51501	51866	2061	2062	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.7	2.4
51866	52231	2062	2063	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.7	2.4
52231	52596	2063	2064	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.7	2.4
52596	52962	2064	2065	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.7	2.4
52962	53327	2065	2066	0.9	1.8	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
53327	53692	2066	2067	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
53692	54057	2067	2068	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
54057	54423	2068	2069	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
54423	54788	2069	2070	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
54788	55153	2070	2071	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
55153	55518	2071	2072	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
55518	55884	2072	2073	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
55884	56249	2073	2074	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
56249	56614	2074	2075	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
56614	56979	2075	2076	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
56979	57345	2076	2077	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
57345	57710	2077	2078	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
57710	58075	2078	2079	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
58075	58440	2079	2080	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
58440	58806	2080	2081	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
58806	59171	2081	2082	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
59171	59536	2082	2083	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
59536	59901	2083	2084	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
59901	60267	2084	2085	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
60267	60632	2085	2086	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.5
60632	60997	2086	2087	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.5
60997	61362	2087	2088	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.5
61362	61728	2088	2089	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.5
61728	62093	2089	2090	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.5
62093	62458	2090	2091	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.5
62458	62823	2091	2092	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
62823	63189	2092	2093	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
63189	63554	2093	2094	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
63554	63919	2094	2095	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
63919	64284	2095	2096	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
64284	64650	2096	2097	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
64650	65015	2097	2098	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
65015	65380	2098	2099	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
65380	65745	2099	2100	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.8	2.5
65745	66110	2100	2101	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.8	2.5
66110	66475	2101	2102	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.8	2.5
66475	66840	2102	2103	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
66840	67205	2103	2104	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
67205	67571	2104	2105	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
67571	67936	2105	2106	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
67936	68301	2106	2107	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
68301	68666	2107	2108	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
68666	69032	2108	2109	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
69032	69397	2109	2110	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5
69397	69762	2110	2111	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.8	2.5

A-6(S8a). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8a) (Part 2/4)

			Pumping bores	LPW19	LPW18B	LPW17	LOW17	LOW16	LPW19	LPW14	LPW13	LPW12	LPW11	LPW10	LPW9	LPW8	LPW7	LPW6	LPW5	LOW4	LPW3	LPW2	LPW1	Cliff Toe Drain
			Maximum Measured Pumping rates (L/s)	2.12	3.23	4.98	4.50	4.90	2.12	2.88	2.80	2.94	4.52	6.35	6.08	1.80	1.40	1.79	1.93	2.08	1.77	2.14	2.11	1.85
			Number of bores in the model budget zone	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
			Long term average modelled pumping rates (L/s)	2.0	3.2	4.7	2.9	1.2	1.2	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
			Long term average modelled pumping rates per bore (L/s/bore)	2.0	3.2	4.7	2.9	1.2	1.2	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z23	Z24	Z25	Z26	Z27	Z23	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43
31047	31412	2005	2006	0.4	0.1	0.2	0.1	0.0	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31412	31777	2006	2007	0.4	0.1	0.1	0.1	0.0	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31777	32142	2007	2008	2.2	3.4	5.1	3.1	1.3	2.2	0.7	1.8	3.1	1.6	1.5	2.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
32142	32508	2008	2009	2.2	3.3	4.9	2.9	1.2	2.2	0.7	1.7	2.9	1.5	1.5	2.5	1.5	0.4	0.8	0.6	0.5	0.4	0.6	0.5	0.0
32508	32873	2009	2010	2.1	3.3	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.6
32873	33238	2010	2011	2.1	3.2	4.7	2.8	1.2	2.1	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.6
33238	33603	2011	2012	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33603	33969	2012	2013	2.0	3.1	4.5	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33969	34334	2013	2014	2.0	3.0	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
34334	34699	2014	2015	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
34699	35064	2015	2016	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
35064	35430	2016	2017	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
35430	35795	2017	2018	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
35795	36160	2018	2019	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36160	36525	2019	2020	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36525	36891	2020	2021	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36891	37256	2021	2022	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
37256	37621	2022	2023	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
37621	37986	2023	2024	1.9	2.9	4.2	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
37986	38352	2024	2025	1.8	2.9	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
38352	38717	2025	2026	1.8	2.9	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
38717	39082	2026	2027	1.8	2.9	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
39082	39447	2027	2028	1.8	2.9	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
39447	39813	2028	2029	1.8	2.9	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
39813	40178	2029	2030	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
40178	40543	2030	2031	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
40543	40908	2031	2032	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
40908	41274	2032	2033	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
41274	41639	2033	2034	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
41639	42004	2034	2035	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
42004	42369	2035	2036	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
42369	42735	2036	2037	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
42735	43100	2037	2038	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
43100	43465	2038	2039	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
43465	43830	2039	2040	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
43830	44196	2040	2041	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
44196	44561	2041	2042	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
44561	44926	2042	2043	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
44926	45291	2043	2044	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
45291	45657	2044	2045	1.9	2.9	4.3	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
45657	46022	2045	2046	1.9	2.9	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
46022	46387	2046	2047	1.9	2.9	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
46387	46752	2047	2048	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
46752	47118	2048	2049	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
47118	47483	2049	2050	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
47483	47848	2050	2051	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
47848	48213	2051	2052	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
48213	48579	2052	2053	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
48579	48944	2053	2054	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
48944	49309	2054	2055	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
49309	49674	2055	2056	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
49674	50040	2056	2057	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
50040	50405	2057	2058	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5

A-6(S8a). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8a) (Part 3/4)

Pumping bores				LPW19	LPW18B	LPW17	LOW17	LOW16	LPW19	LPW14	LPW13	LPW12	LPW11	LPW10	LPW9	LPW8	LPW7	LPW6	LPW5	LOW4	LPW3	LPW2	LPW1	Cliff Toe Drain
Maximum Measured Pumping rates (L/s)				2.12	3.23	4.98	4.50	4.90	2.12	2.88	2.80	2.94	4.52	6.35	6.08	1.80	1.40	1.79	1.93	2.08	1.77	2.14	2.11	1.85
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Long term average modelled pumping rates (L/s)				2.0	3.2	4.7	2.9	1.2	1.2	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
Long term average modelled pumping rates per bore (L/s/bore)				2.0	3.2	4.7	2.9	1.2	1.2	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z23	Z24	Z25	Z26	Z27	Z23	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43
50405	50770	2058	2059	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
50770	51135	2059	2060	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
51135	51501	2060	2061	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
51501	51866	2061	2062	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
51866	52231	2062	2063	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
52231	52596	2063	2064	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
52596	52962	2064	2065	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
52962	53327	2065	2066	2.0	3.0	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
53327	53692	2066	2067	2.0	3.0	4.5	2.7	1.2	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
53692	54057	2067	2068	2.0	3.0	4.5	2.7	1.2	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
54057	54423	2068	2069	2.0	3.0	4.5	2.7	1.2	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
54423	54788	2069	2070	2.0	3.1	4.5	2.7	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
54788	55153	2070	2071	2.0	3.1	4.5	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
55153	55518	2071	2072	2.0	3.1	4.5	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
55518	55884	2072	2073	2.0	3.1	4.5	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
55884	56249	2073	2074	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
56249	56614	2074	2075	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
56614	56979	2075	2076	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
56979	57345	2076	2077	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
57345	57710	2077	2078	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
57710	58075	2078	2079	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
58075	58440	2079	2080	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
58440	58806	2080	2081	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
58806	59171	2081	2082	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
59171	59536	2082	2083	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
59536	59901	2083	2084	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.5
59901	60267	2084	2085	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.5
60267	60632	2085	2086	2.0	3.1	4.6	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.5
60632	60997	2086	2087	2.0	3.1	4.6	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.5
60997	61362	2087	2088	2.0	3.1	4.6	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.5
61362	61728	2088	2089	2.0	3.1	4.6	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.5
61728	62093	2089	2090	2.0	3.1	4.6	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
62093	62458	2090	2091	2.0	3.1	4.6	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
62458	62823	2091	2092	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
62823	63189	2092	2093	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
63189	63554	2093	2094	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
63554	63919	2094	2095	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
63919	64284	2095	2096	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
64284	64650	2096	2097	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
64650	65015	2097	2098	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
65015	65380	2098	2099	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
65380	65745	2099	2100	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
65745	66110	2100	2101	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
66110	66475	2101	2102	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
66475	66840	2102	2103	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
66840	67205	2103	2104	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
67205	67571	2104	2105	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
67571	67936	2105	2106	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
67936	68301	2106	2107	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
68301	68666	2107	2108	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
68666	69032	2108	2109	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
69032	69397	2109	2110	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
69397	69762	2110	2111	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6

A-6(S8a). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8a) (Part 4/4)

			Pumping bores	LHP78	LHP81	LPW27	LPW26	LPW24	LPW23	LPW22	LPW21	LPW20	LHP77	LHP75	LHP74	LHP72	LHP70	LHP69	LHP62	LHP66	LHP63	LHP55	LHP51	Horizontal
				LHP79	LHP82		LPW25						LHP76		LHP73	LHP71		LHP68		LHP65	LHP59	LHP53		Drainage
				LHP80														LHP67		LHP64	LHP57			Well
			Maximum Measured Pumping rates (L/s)	-	-	2.01	1.92	5.01	3.93	2.62	2.12	2.90	0.39	-	0.98	-	-	1.17	3.23	-	0.20	1.77	1.02	5.22
				-	-		2.47						-		-	1.90		2.47		3.09	2.09	1.84		
				-														-		0.87	2.48			
			Number of bores in the model budget zone	3	2	1	2	1	1	1	1	1	2	1	2	2	1	3	1	3	3	2	1	-
			Long term average modelled pumping rates (L/s)	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
			Long term average modelled pumping rates per bore (L/s/bore)	0.2	0.7	1.8	0.8	0.8	0.9	0.9	0.9	0.9	0.2	0.0	0.1	0.5	0.0	0.6	2.6	0.4	0.6	0.0	0.3	2.0
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22
31047	31412	2005	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
31412	31777	2006	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
31777	32142	2007	2008	0.0	0.0	2.1	2.0	0.9	1.2	1.1	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
32142	32508	2008	2009	0.0	0.0	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
32508	32873	2009	2010	0.0	0.0	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.8	0.7	1.3	2.7
32873	33238	2010	2011	0.0	0.0	2.0	1.9	0.8	1.1	1.0	1.1	1.0	0.9	0.0	0.3	1.3	0.1	2.4	3.5	1.7	2.7	0.3	0.9	2.6
33238	33603	2011	2012	1.5	2.6	2.0	1.9	0.8	1.0	1.0	1.1	1.0	0.8	0.0	0.3	1.2	0.0	2.2	3.3	1.6	2.5	0.2	0.8	2.5
33603	33969	2012	2013	1.2	2.2	2.0	1.8	0.8	1.0	0.9	1.1	0.9	0.7	0.0	0.3	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
33969	34334	2013	2014	1.0	2.1	2.0	1.8	0.8	1.0	0.9	1.1	0.9	0.7	0.0	0.2	1.2	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.4
34334	34699	2014	2015	1.0	2.0	1.9	1.8	0.8	1.0	0.9	1.0	0.9	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
34699	35064	2015	2016	0.9	1.9	1.9	1.8	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
35064	35430	2016	2017	0.9	1.9	1.9	1.8	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
35430	35795	2017	2018	0.9	1.8	1.9	1.8	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
35795	36160	2018	2019	0.9	1.8	1.9	1.8	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	2.0	2.9	1.5	2.3	0.1	0.6	2.3
36160	36525	2019	2020	0.8	1.8	1.9	1.7	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.6	2.3
36525	36891	2020	2021	0.8	1.7	1.9	1.7	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.1	0.5	2.2
36891	37256	2021	2022	0.8	1.7	1.9	1.7	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.1	0.0	1.9	2.9	1.4	2.2	0.0	0.5	2.2
37256	37621	2022	2023	0.8	1.7	1.9	1.7	0.8	1.0	0.9	1.0	0.9	0.6	0.0	0.2	1.0	0.0	1.9	2.8	1.4	2.2	0.0	0.5	2.2
37621	37986	2023	2024	0.8	1.7	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.6	0.0	0.2	1.0	0.0	1.9	2.8	1.4	2.2	0.0	0.5	2.2
37986	38352	2024	2025	0.8	1.7	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.6	0.0	0.2	1.0	0.0	1.9	2.8	1.4	2.1	0.0	0.5	2.2
38352	38717	2025	2026	0.8	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.6	0.0	0.2	1.0	0.0	1.9	2.8	1.4	2.1	0.0	0.5	2.2
38717	39082	2026	2027	0.8	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.9	2.8	1.4	2.1	0.0	0.5	2.2
39082	39447	2027	2028	0.8	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.8	1.4	2.1	0.0	0.4	2.1
39447	39813	2028	2029	0.8	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.8	1.4	2.1	0.0	0.4	2.1
39813	40178	2029	2030	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.8	1.4	2.1	0.0	0.4	2.1
40178	40543	2030	2031	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.1	0.0	0.4	2.1
40543	40908	2031	2032	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.1	0.0	0.4	2.1
40908	41274	2032	2033	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.1	0.0	0.4	2.1
41274	41639	2033	2034	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.1	0.0	0.4	2.1
41639	42004	2034	2035	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.1	0.0	0.4	2.1
42004	42369	2035	2036	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
42369	42735	2036	2037	0.7	1.6	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
42735	43100	2037	2038	0.7	1.5	1.9	1.7	0.8	0.9	0.9	1.0	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
43100	43465	2038	2039	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
43465	43830	2039	2040	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
43830	44196	2040	2041	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
44196	44561	2041	2042	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.4	2.1
44561	44926	2042	2043	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.3	2.1
44926	45291	2043	2044	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.3	2.1
45291	45657	2044	2045	0.7	1.5	1.9	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.3	2.0
45657	46022	2045	2046	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.3	2.0
46022	46387	2046	2047	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.3	2.0
46387	46752	2047	2048	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.7	1.3	2.0	0.0	0.3	2.0
46752	47118	2048	2049	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.6	1.3	2.0	0.0	0.3	2.0
47118	47483	2049	2050	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.6	1.3	2.0	0.0	0.3	2.0
47483	47848	2050	2051	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.8	2.6	1.3	2.0	0.0	0.3	2.0
47848	48213	2051	2052	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
48213	48579	2052	2053	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
48579	48944	2053	2054	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
48944	49309	2054	2055	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
49309	49674	2055	2056	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
49674	50040	2056	2057	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
50040	50405	2057	2058	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0

A-6(S8b). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8b) (Part 1/4)

Pumping bores				LHP78	LHP81	LPW27	LPW26	LPW24	LPW23	LPW22	LPW21	LPW20	LHP77	LHP75	LHP74	LHP72	LHP70	LHP69	LHP62	LHP66	LHP63	LHP55	LHP51	Horizontal
				LHP79	LHP82		LPW25						LHP76		LHP73	LHP71		LHP68		LHP65	LHP59	LHP53		Drainage
				LHP80														LHP67		LHP64	LHP57			Well
Maximum Measured Pumping rates (L/s)				-	-	2.01	1.92	5.01	3.93	2.62	2.12	2.90	0.39	-	0.98	-	-	1.17	3.23	-	0.20	1.77	1.02	5.22
				-	-		2.47						-		-	1.90		2.47		3.09	2.09	1.84		
				-														-		0.87	2.48			
Number of bores in the model budget zone				3	2	1	2	1	1	1	1	1	2	1	2	2	1	3	1	3	3	2	1	-
Long term average modelled pumping rates (L/s)				0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
Long term average modelled pumping rates per bore (L/s/bore)				0.2	0.7	1.8	0.8	0.8	0.9	0.9	0.9	0.9	0.2	0.0	0.1	0.5	0.0	0.6	2.6	0.4	0.6	0.0	0.3	2.0
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22
50405	50770	2058	2059	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
50770	51135	2059	2060	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
51135	51501	2060	2061	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
51501	51866	2061	2062	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
51866	52231	2062	2063	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
52231	52596	2063	2064	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
52596	52962	2064	2065	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
52962	53327	2065	2066	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
53327	53692	2066	2067	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
53692	54057	2067	2068	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
54057	54423	2068	2069	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
54423	54788	2069	2070	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
54788	55153	2070	2071	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
55153	55518	2071	2072	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
55518	55884	2072	2073	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
55884	56249	2073	2074	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
56249	56614	2074	2075	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
56614	56979	2075	2076	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
56979	57345	2076	2077	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
57345	57710	2077	2078	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	2.0	0.0	0.3	2.0
57710	58075	2078	2079	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
58075	58440	2079	2080	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
58440	58806	2080	2081	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
58806	59171	2081	2082	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
59171	59536	2082	2083	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
59536	59901	2083	2084	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
59901	60267	2084	2085	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
60267	60632	2085	2086	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
60632	60997	2086	2087	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
60997	61362	2087	2088	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
61362	61728	2088	2089	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
61728	62093	2089	2090	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
62093	62458	2090	2091	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
62458	62823	2091	2092	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
62823	63189	2092	2093	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
63189	63554	2093	2094	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
63554	63919	2094	2095	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
63919	64284	2095	2096	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
64284	64650	2096	2097	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
64650	65015	2097	2098	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
65015	65380	2098	2099	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
65380	65745	2099	2100	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
65745	66110	2100	2101	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
66110	66475	2101	2102	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
66475	66840	2102	2103	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
66840	67205	2103	2104	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
67205	67571	2104	2105	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
67571	67936	2105	2106	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
67936	68301	2106	2107	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
68301	68666	2107	2108	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
68666	69032	2108	2109	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
69032	69397	2109	2110	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0
69397	69762	2110	2111	0.7	1.5	1.8	1.7	0.8	0.9	0.9	0.9	0.9	0.5	0.0	0.2	1.0	0.0	1.7	2.6	1.3	1.9	0.0	0.3	2.0

A-6(S8b). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8b) (Part 2/4)

Pumping bores				LPW19	LPW18B	LPW17	LOW17	LOW16	LPW19	LPW14	LPW13	LPW12	LPW11	LPW10	LPW9	LPW8	LPW7	LPW6	LPW5	LOW4	LPW3	LPW2	LPW1	Cliff Toe Drain
Maximum Measured Pumping rates (L/s)				2.12	3.23	4.98	4.50	4.90	2.12	2.88	2.80	2.94	4.52	6.35	6.08	1.80	1.40	1.79	1.93	2.08	1.77	2.14	2.11	1.85
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Long term average modelled pumping rates (L/s)				1.6	2.5	3.7	2.3	1.0	1.0	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
Long term average modelled pumping rates per bore (L/s/bore)				1.6	2.5	3.7	2.3	1.0	1.0	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z23	Z24	Z25	Z26	Z27	Z23	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43
31047	31412	2005	2006	0.4	0.1	0.2	0.1	0.0	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31412	31777	2006	2007	0.4	0.1	0.1	0.1	0.0	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31777	32142	2007	2008	2.2	3.4	5.1	3.1	1.3	2.2	0.7	1.8	3.1	1.6	1.5	2.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32142	32508	2008	2009	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.5	0.4	0.8	0.6	0.5	0.4	0.6	0.5	0.0
32508	32873	2009	2010	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.6
32873	33238	2010	2011	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33238	33603	2011	2012	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33603	33969	2012	2013	2.0	3.0	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33969	34334	2013	2014	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
34334	34699	2014	2015	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
34699	35064	2015	2016	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
35064	35430	2016	2017	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
35430	35795	2017	2018	1.8	2.9	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
35795	36160	2018	2019	1.8	2.8	4.2	2.6	1.1	1.8	0.6	1.5	2.6	1.4	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36160	36525	2019	2020	1.8	2.8	4.2	2.5	1.1	1.8	0.6	1.5	2.6	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36525	36891	2020	2021	1.8	2.8	4.1	2.5	1.1	1.8	0.6	1.5	2.5	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36891	37256	2021	2022	1.8	2.8	4.1	2.5	1.1	1.8	0.6	1.5	2.5	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
37256	37621	2022	2023	1.8	2.8	4.1	2.5	1.1	1.8	0.6	1.4	2.5	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
37621	37986	2023	2024	1.8	2.7	4.0	2.5	1.1	1.8	0.6	1.4	2.5	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
37986	38352	2024	2025	1.8	2.7	4.0	2.5	1.0	1.8	0.6	1.4	2.5	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
38352	38717	2025	2026	1.7	2.7	4.0	2.5	1.0	1.7	0.6	1.4	2.5	1.3	1.3	2.2	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
38717	39082	2026	2027	1.7	2.7	4.0	2.4	1.0	1.7	0.6	1.4	2.5	1.3	1.3	2.1	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
39082	39447	2027	2028	1.7	2.7	4.0	2.4	1.0	1.7	0.6	1.4	2.5	1.3	1.3	2.1	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
39447	39813	2028	2029	1.7	2.7	3.9	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
39813	40178	2029	2030	1.7	2.7	3.9	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.3
40178	40543	2030	2031	1.7	2.7	3.9	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.3
40543	40908	2031	2032	1.7	2.6	3.9	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.3
40908	41274	2032	2033	1.7	2.6	3.9	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.3
41274	41639	2033	2034	1.7	2.6	3.9	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.3
41639	42004	2034	2035	1.7	2.6	3.8	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.2	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
42004	42369	2035	2036	1.7	2.6	3.8	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
42369	42735	2036	2037	1.7	2.6	3.8	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
42735	43100	2037	2038	1.7	2.6	3.8	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
43100	43465	2038	2039	1.7	2.6	3.8	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
43465	43830	2039	2040	1.7	2.6	3.8	2.4	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
43830	44196	2040	2041	1.7	2.6	3.8	2.3	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
44196	44561	2041	2042	1.7	2.6	3.8	2.3	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
44561	44926	2042	2043	1.7	2.6	3.8	2.3	1.0	1.7	0.6	1.4	2.4	1.3	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
44926	45291	2043	2044	1.7	2.6	3.8	2.3	1.0	1.7	0.6	1.4	2.4	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
45291	45657	2044	2045	1.7	2.6	3.8	2.3	1.0	1.7	0.6	1.4	2.4	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
45657	46022	2045	2046	1.7	2.6	3.8	2.3	1.0	1.7	0.6	1.4	2.4	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
46022	46387	2046	2047	1.6	2.6	3.8	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
46387	46752	2047	2048	1.6	2.6	3.7	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
46752	47118	2048	2049	1.6	2.6	3.7	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
47118	47483	2049	2050	1.6	2.6	3.7	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
47483	47848	2050	2051	1.6	2.6	3.7	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
47848	48213	2051	2052	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.3	2.1	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
48213	48579	2052	2053	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.4	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
48579	48944	2053	2054	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
48944	49309	2054	2055	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
49309	49674	2055	2056	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
49674	50040	2056	2057	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
50040	50405	2057	2058	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2

A-6(S8b). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8b) (Part 3/4)

Pumping bores				LPW19	LPW18B	LPW17	LOW17	LOW16	LPW19	LPW14	LPW13	LPW12	LPW11	LPW10	LPW9	LPW8	LPW7	LPW6	LPW5	LOW4	LPW3	LPW2	LPW1	Cliff Toe Drain
Maximum Measured Pumping rates (L/s)				2.12	3.23	4.98	4.50	4.90	2.12	2.88	2.80	2.94	4.52	6.35	6.08	1.80	1.40	1.79	1.93	2.08	1.77	2.14	2.11	1.85
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Long term average modelled pumping rates (L/s)				1.6	2.5	3.7	2.3	1.0	1.0	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
Long term average modelled pumping rates per bore (L/s/bore)				1.6	2.5	3.7	2.3	1.0	1.0	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z23	Z24	Z25	Z26	Z27	Z23	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43
50405	50770	2058	2059	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
50770	51135	2059	2060	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
51135	51501	2060	2061	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
51501	51866	2061	2062	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
51866	52231	2062	2063	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
52231	52596	2063	2064	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
52596	52962	2064	2065	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
52962	53327	2065	2066	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
53327	53692	2066	2067	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
53692	54057	2067	2068	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
54057	54423	2068	2069	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
54423	54788	2069	2070	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
54788	55153	2070	2071	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
55153	55518	2071	2072	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
55518	55884	2072	2073	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
55884	56249	2073	2074	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
56249	56614	2074	2075	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
56614	56979	2075	2076	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
56979	57345	2076	2077	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
57345	57710	2077	2078	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
57710	58075	2078	2079	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
58075	58440	2079	2080	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
58440	58806	2080	2081	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
58806	59171	2081	2082	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
59171	59536	2082	2083	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
59536	59901	2083	2084	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
59901	60267	2084	2085	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
60267	60632	2085	2086	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
60632	60997	2086	2087	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
60997	61362	2087	2088	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
61362	61728	2088	2089	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
61728	62093	2089	2090	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
62093	62458	2090	2091	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
62458	62823	2091	2092	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
62823	63189	2092	2093	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
63189	63554	2093	2094	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
63554	63919	2094	2095	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
63919	64284	2095	2096	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
64284	64650	2096	2097	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
64650	65015	2097	2098	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
65015	65380	2098	2099	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
65380	65745	2099	2100	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
65745	66110	2100	2101	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
66110	66475	2101	2102	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
66475	66840	2102	2103	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
66840	67205	2103	2104	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
67205	67571	2104	2105	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
67571	67936	2105	2106	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
67936	68301	2106	2107	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
68301	68666	2107	2108	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
68666	69032	2108	2109	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
69032	69397	2109	2110	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2
69397	69762	2110	2111	1.6	2.5	3.7	2.3	1.0	1.6	0.6	1.3	2.3	1.2	1.2	2.0	1.1	0.3	0.7	0.6	0.5	0.4	0.6	0.5	1.2

A-6(S8b). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8b) (Part 4/4)

Pumping bores				LHP78	LHP81	LPW27	LPW26	LPW24	LPW23	LPW22	LPW21	LPW20	LHP77	LHP75	LHP74	LHP72	LHP70	LHP69	LHP62	LHP66	LHP63	LHP55	LHP51	Horizontal
				LHP79	LHP82		LPW25						LHP76		LHP73	LHP71		LHP68		LHP65	LHP59	LHP53		Drainage
				LHP80														LHP67		LHP64	LHP57			Well
Maximum Measured Pumping rates (L/s)				-	-	2.01	1.92	5.01	3.93	2.62	2.12	2.90	0.39	-	0.98	-	-	1.17	3.23	-	0.20	1.77	1.02	5.22
				-	-		2.47						-		-	1.90		2.47		3.09	2.09	1.84		
				-														-		0.87	2.48			
Number of bores in the model budget zone				3	2	1	2	1	1	1	1	1	2	1	2	2	1	3	1	3	3	2	1	-
Long term average modelled pumping rates (L/s)				1.2	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
Long term average modelled pumping rates per bore (L/s/bore)				0.4	1.1	2.0	0.9	0.8	1.1	1.0	1.2	1.0	0.4	0.0	0.1	0.6	0.1	0.8	3.4	0.6	0.9	0.1	1.0	2.7
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22
31047	31412	2005	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
31412	31777	2006	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
31777	32142	2007	2008	0.0	0.0	2.1	2.1	0.9	1.2	1.1	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
32142	32508	2008	2009	0.0	0.0	2.0	2.0	0.9	1.2	1.1	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
32508	32873	2009	2010	0.0	0.0	2.0	2.0	0.9	1.2	1.1	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.8	0.7	1.3	2.8
32873	33238	2010	2011	0.0	0.0	2.0	2.0	0.9	1.2	1.1	1.3	1.1	1.0	0.0	0.3	1.3	0.1	2.4	3.5	1.8	2.7	0.3	0.9	2.6
33238	33603	2011	2012	1.5	2.6	2.0	2.0	0.9	1.1	1.1	1.2	1.0	0.8	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.8	2.5
33603	33969	2012	2013	1.2	2.2	2.0	1.9	0.9	1.1	1.1	1.2	1.0	0.8	0.0	0.3	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
33969	34334	2013	2014	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.1	3.2	1.6	2.4	0.2	0.7	2.4
34334	34699	2014	2015	1.0	2.0	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.4
34699	35064	2015	2016	1.0	2.0	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
35064	35430	2016	2017	0.9	1.9	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
35430	35795	2017	2018	0.9	1.9	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
35795	36160	2018	2019	0.9	1.9	1.9	1.9	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
36160	36525	2019	2020	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
36525	36891	2020	2021	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
36891	37256	2021	2022	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
37256	37621	2022	2023	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
37621	37986	2023	2024	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
37986	38352	2024	2025	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
38352	38717	2025	2026	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
38717	39082	2026	2027	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
39082	39447	2027	2028	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
39447	39813	2028	2029	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
39813	40178	2029	2030	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
40178	40543	2030	2031	0.9	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.6	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.3
40543	40908	2031	2032	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.6	2.4
40908	41274	2032	2033	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.3	0.1	0.7	2.4
41274	41639	2033	2034	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.0	1.5	2.4	0.1	0.7	2.4
41639	42004	2034	2035	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
42004	42369	2035	2036	1.0	1.9	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.0	3.1	1.5	2.4	0.1	0.7	2.4
42369	42735	2036	2037	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
42735	43100	2037	2038	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
43100	43465	2038	2039	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
43465	43830	2039	2040	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
43830	44196	2040	2041	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.5	2.4	0.1	0.7	2.4
44196	44561	2041	2042	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.4
44561	44926	2042	2043	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.4
44926	45291	2043	2044	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.1	0.7	2.4
45291	45657	2044	2045	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.4
45657	46022	2045	2046	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.4	0.2	0.7	2.5
46022	46387	2046	2047	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.1	1.6	2.5	0.2	0.7	2.5
46387	46752	2047	2048	1.0	2.0	1.9	1.8	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.1	0.0	2.1	3.2	1.6	2.5	0.2	0.7	2.5
46752	47118	2048	2049	1.0	2.0	1.9	1.9	0.8	1.1	1.0	1.1	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
47118	47483	2049	2050	1.0	2.0	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
47483	47848	2050	2051	1.0	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
47848	48213	2051	2052	1.0	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
48213	48579	2052	2053	1.0	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
48579	48944	2053	2054	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
48944	49309	2054	2055	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
49309	49674	2055	2056	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.1	3.2	1.6	2.5	0.2	0.8	2.5
49674	50040	2056	2057	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
50040	50405	2057	2058	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5

A-6(S8c). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8c) (Part 1/4)

Pumping bores				LHP78	LHP81	LPW27	LPW26	LPW24	LPW23	LPW22	LPW21	LPW20	LHP77	LHP75	LHP74	LHP72	LHP70	LHP69	LHP62	LHP66	LHP63	LHP55	LHP51	Horizontal
				LHP79	LHP82		LPW25						LHP76		LHP73	LHP71		LHP68		LHP65	LHP59	LHP53		Drainage
				LHP80														LHP67		LHP64	LHP57			Well
Maximum Measured Pumping rates (L/s)				-	-	2.01	1.92	5.01	3.93	2.62	2.12	2.90	0.39	-	0.98	-	-	1.17	3.23	-	0.20	1.77	1.02	5.22
				-	-		2.47						-		-	1.90		2.47		3.09	2.09	1.84		
				-														-		0.87	2.48			
Number of bores in the model budget zone				3	2	1	2	1	1	1	1	1	2	1	2	2	1	3	1	3	3	2	1	1
Long term average modelled pumping rates (L/s)				1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
Long term average modelled pumping rates per bore (L/s/bore)				0.4	1.1	2.0	0.9	0.8	1.1	1.0	1.2	1.0	0.4	0.0	0.1	0.6	0.1	0.8	3.4	0.6	0.9	0.1	1.0	2.7
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9	Z10	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22
50405	50770	2058	2059	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
50770	51135	2059	2060	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
51135	51501	2060	2061	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
51501	51866	2061	2062	1.1	2.1	1.9	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
51866	52231	2062	2063	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.5
52231	52596	2063	2064	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.6
52596	52962	2064	2065	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.2	1.6	2.5	0.2	0.8	2.6
52962	53327	2065	2066	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.6	2.6	0.2	0.8	2.6
53327	53692	2066	2067	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.6	2.6	0.2	0.8	2.6
53692	54057	2067	2068	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.6	2.6	0.2	0.8	2.6
54057	54423	2068	2069	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.6	2.6	0.2	0.8	2.6
54423	54788	2069	2070	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.6	2.6	0.2	0.9	2.6
54788	55153	2070	2071	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
55153	55518	2071	2072	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
55518	55884	2072	2073	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
55884	56249	2073	2074	1.1	2.1	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.2	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
56249	56614	2074	2075	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
56614	56979	2075	2076	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
56979	57345	2076	2077	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
57345	57710	2077	2078	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
57710	58075	2078	2079	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
58075	58440	2079	2080	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
58440	58806	2080	2081	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
58806	59171	2081	2082	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.0	2.2	3.3	1.7	2.6	0.2	0.9	2.6
59171	59536	2082	2083	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
59536	59901	2083	2084	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
59901	60267	2084	2085	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
60267	60632	2085	2086	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
60632	60997	2086	2087	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
60997	61362	2087	2088	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
61362	61728	2088	2089	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
61728	62093	2089	2090	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.6
62093	62458	2090	2091	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.7
62458	62823	2091	2092	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.7
62823	63189	2092	2093	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.2	3.3	1.7	2.6	0.2	0.9	2.7
63189	63554	2093	2094	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.3	1.7	2.7	0.2	0.9	2.7
63554	63919	2094	2095	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.2	0.9	2.7
63919	64284	2095	2096	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
64284	64650	2096	2097	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
64650	65015	2097	2098	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
65015	65380	2098	2099	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
65380	65745	2099	2100	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
65745	66110	2100	2101	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
66110	66475	2101	2102	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
66475	66840	2102	2103	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
66840	67205	2103	2104	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
67205	67571	2104	2105	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	0.9	2.7
67571	67936	2105	2106	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
67936	68301	2106	2107	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
68301	68666	2107	2108	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
68666	69032	2108	2109	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
69032	69397	2109	2110	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7
69397	69762	2110	2111	1.1	2.2	2.0	1.9	0.8	1.1	1.0	1.2	1.0	0.7	0.0	0.3	1.2	0.1	2.3	3.4	1.7	2.7	0.3	1.0	2.7

A-6(S8c). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8c) (Part 2/4)

Pumping bores				LPW19	LPW18B	LPW17	LOW17	LOW16	LPW19	LPW14	LPW13	LPW12	LPW11	LPW10	LPW9	LPW8	LPW7	LPW6	LPW5	LOW4	LPW3	LPW2	LPW1	Cliff Toe Drain
Maximum Measured Pumping rates (L/s)				2.12	3.23	4.98	4.50	4.90	2.12	2.88	2.80	2.94	4.52	6.35	6.08	1.80	1.40	1.79	1.93	2.08	1.77	2.14	2.11	1.85
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Long term average modelled pumping rates (L/s)				2.2	3.4	5.1	3.0	1.3	1.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
Long term average modelled pumping rates per bore (L/s/bore)				2.2	3.4	5.1	3.0	1.3	1.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z23	Z24	Z25	Z26	Z27	Z23	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43
31047	31412	2005	2006	0.4	0.1	0.2	0.1	0.0	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31412	31777	2006	2007	0.4	0.1	0.1	0.1	0.0	0.4	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31777	32142	2007	2008	2.2	3.4	5.1	3.1	1.3	2.2	0.7	1.8	3.1	1.6	1.5	2.6	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
32142	32508	2008	2009	2.2	3.3	4.9	2.9	1.2	2.2	0.7	1.7	2.9	1.5	1.5	2.5	1.5	0.4	0.8	0.6	0.5	0.4	0.6	0.5	0.0
32508	32873	2009	2010	2.1	3.3	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.6
32873	33238	2010	2011	2.1	3.2	4.7	2.8	1.2	2.1	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.6
33238	33603	2011	2012	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33603	33969	2012	2013	2.0	3.1	4.5	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
33969	34334	2013	2014	2.0	3.0	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
34334	34699	2014	2015	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
34699	35064	2015	2016	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
35064	35430	2016	2017	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
35430	35795	2017	2018	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
35795	36160	2018	2019	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36160	36525	2019	2020	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36525	36891	2020	2021	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
36891	37256	2021	2022	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
37256	37621	2022	2023	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
37621	37986	2023	2024	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
37986	38352	2024	2025	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
38352	38717	2025	2026	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
38717	39082	2026	2027	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
39082	39447	2027	2028	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
39447	39813	2028	2029	1.9	2.9	4.3	2.6	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
39813	40178	2029	2030	1.9	2.9	4.4	2.7	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
40178	40543	2030	2031	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.6	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
40543	40908	2031	2032	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
40908	41274	2032	2033	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
41274	41639	2033	2034	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
41639	42004	2034	2035	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
42004	42369	2035	2036	1.9	3.0	4.4	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
42369	42735	2036	2037	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
42735	43100	2037	2038	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
43100	43465	2038	2039	1.9	3.0	4.5	2.7	1.1	1.9	0.6	1.5	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
43465	43830	2039	2040	2.0	3.0	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
43830	44196	2040	2041	2.0	3.0	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.4
44196	44561	2041	2042	2.0	3.1	4.5	2.7	1.1	2.0	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
44561	44926	2042	2043	2.0	3.1	4.5	2.8	1.2	2.0	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
44926	45291	2043	2044	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.7	1.4	1.4	2.3	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
45291	45657	2044	2045	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.7	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
45657	46022	2045	2046	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
46022	46387	2046	2047	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
46387	46752	2047	2048	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
46752	47118	2048	2049	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.4	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
47118	47483	2049	2050	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
47483	47848	2050	2051	2.0	3.1	4.6	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.7	0.6	0.5	0.4	0.6	0.5	1.5
47848	48213	2051	2052	2.0	3.1	4.7	2.8	1.2	2.0	0.6	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
48213	48579	2052	2053	2.0	3.1	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
48579	48944	2053	2054	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
48944	49309	2054	2055	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
49309	49674	2055	2056	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.3	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
49674	50040	2056	2057	2.0	3.2	4.7	2.8	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
50040	50405	2057	2058	2.0	3.2	4.7	2.9	1.2	2.0	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5

A-6(S8c). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8c) (Part 3/4)

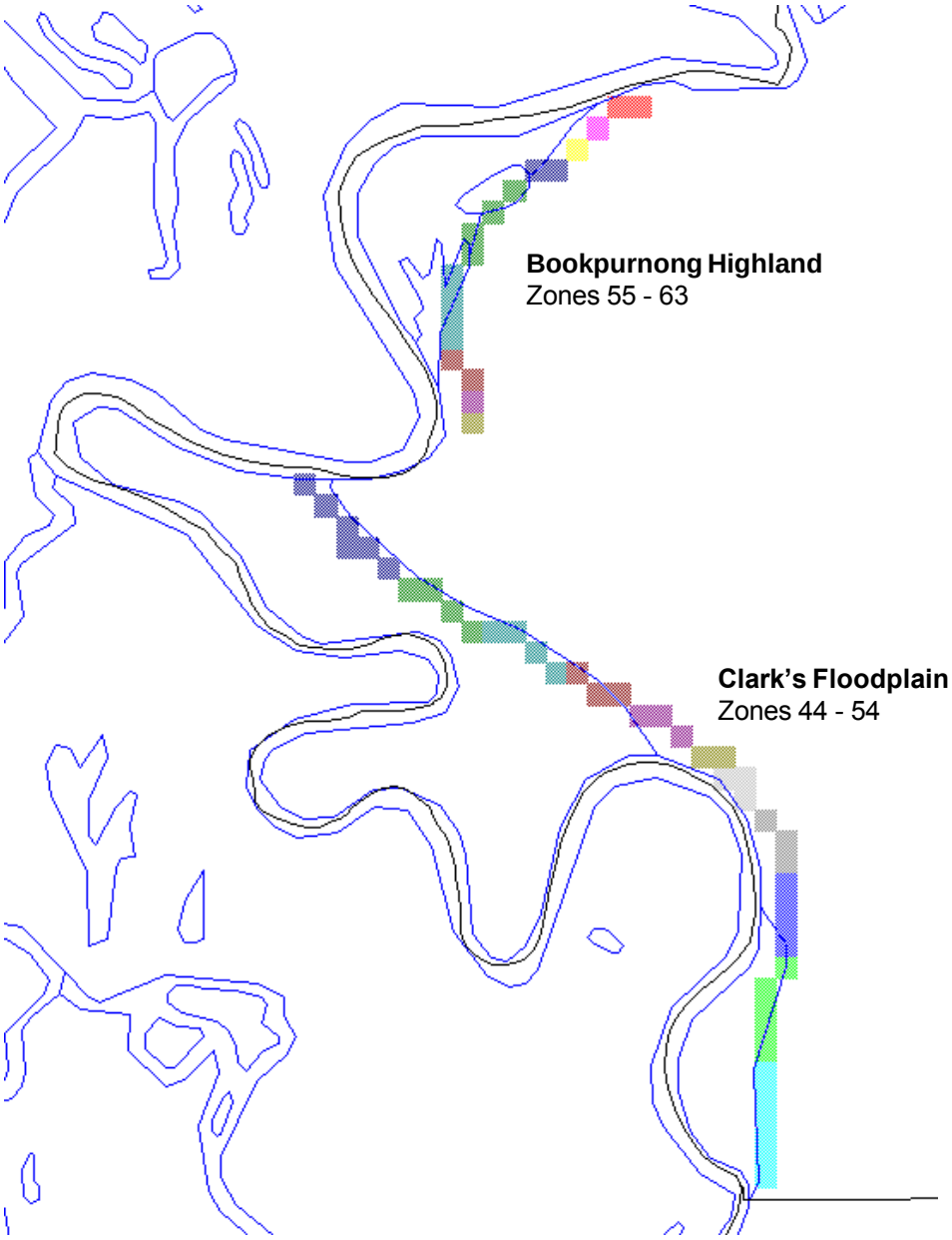
Pumping bores				LPW19	LPW18B	LPW17	LOW17	LOW16	LPW19	LPW14	LPW13	LPW12	LPW11	LPW10	LPW9	LPW8	LPW7	LPW6	LPW5	LOW4	LPW3	LPW2	LPW1	Cliff Toe Drain
Maximum Measured Pumping rates (L/s)				2.12	3.23	4.98	4.50	4.90	2.12	2.88	2.80	2.94	4.52	6.35	6.08	1.80	1.40	1.79	1.93	2.08	1.77	2.14	2.11	1.85
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Long term average modelled pumping rates (L/s)				2.2	3.4	5.1	3.0	1.3	1.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
Long term average modelled pumping rates per bore (L/s/bore)				2.2	3.4	5.1	3.0	1.3	1.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z23	Z24	Z25	Z26	Z27	Z23	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43
50405	50770	2058	2059	2.1	3.2	4.7	2.9	1.2	2.1	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
50770	51135	2059	2060	2.1	3.2	4.7	2.9	1.2	2.1	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
51135	51501	2060	2061	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.8	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.5	1.5
51501	51866	2061	2062	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.6
51866	52231	2062	2063	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.4	2.4	1.4	0.4	0.8	0.6	0.5	0.4	0.6	0.6	1.6
52231	52596	2063	2064	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
52596	52962	2064	2065	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.4	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
52962	53327	2065	2066	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
53327	53692	2066	2067	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
53692	54057	2067	2068	2.1	3.2	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
54057	54423	2068	2069	2.1	3.3	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
54423	54788	2069	2070	2.1	3.3	4.8	2.9	1.2	2.1	0.7	1.6	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
54788	55153	2070	2071	2.1	3.3	4.8	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
55153	55518	2071	2072	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
55518	55884	2072	2073	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
55884	56249	2073	2074	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
56249	56614	2074	2075	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
56614	56979	2075	2076	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
56979	57345	2076	2077	2.1	3.3	4.9	2.9	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
57345	57710	2077	2078	2.1	3.3	4.9	3.0	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
57710	58075	2078	2079	2.1	3.3	4.9	3.0	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
58075	58440	2079	2080	2.1	3.3	4.9	3.0	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
58440	58806	2080	2081	2.1	3.3	4.9	3.0	1.2	2.1	0.7	1.7	2.9	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
58806	59171	2081	2082	2.1	3.3	4.9	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
59171	59536	2082	2083	2.1	3.3	4.9	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
59536	59901	2083	2084	2.1	3.3	5.0	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.4	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
59901	60267	2084	2085	2.1	3.3	5.0	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.6
60267	60632	2085	2086	2.1	3.3	5.0	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
60632	60997	2086	2087	2.1	3.3	5.0	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
60997	61362	2087	2088	2.1	3.3	5.0	3.0	1.2	2.1	0.7	1.7	3.0	1.5	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
61362	61728	2088	2089	2.2	3.4	5.0	3.0	1.2	2.2	0.7	1.7	3.0	1.6	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
61728	62093	2089	2090	2.2	3.4	5.0	3.0	1.2	2.2	0.7	1.7	3.0	1.6	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
62093	62458	2090	2091	2.2	3.4	5.0	3.0	1.2	2.2	0.7	1.7	3.0	1.6	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
62458	62823	2091	2092	2.2	3.4	5.0	3.0	1.2	2.2	0.7	1.7	3.0	1.6	1.5	2.5	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
62823	63189	2092	2093	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
63189	63554	2093	2094	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
63554	63919	2094	2095	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
63919	64284	2095	2096	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
64284	64650	2096	2097	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
64650	65015	2097	2098	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
65015	65380	2098	2099	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
65380	65745	2099	2100	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
65745	66110	2100	2101	2.2	3.4	5.0	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
66110	66475	2101	2102	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.4	0.6	0.6	1.7
66475	66840	2102	2103	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
66840	67205	2103	2104	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
67205	67571	2104	2105	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
67571	67936	2105	2106	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
67936	68301	2106	2107	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.4	0.8	0.7	0.5	0.5	0.6	0.6	1.7
68301	68666	2107	2108	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.5	0.8	0.7	0.5	0.5	0.6	0.6	1.7
68666	69032	2108	2109	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.5	0.8	0.7	0.5	0.5	0.6	0.6	1.7
69032	69397	2109	2110	2.2	3.4	5.1	3.0	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.5	0.8	0.7	0.5	0.5	0.6	0.6	1.7
69397	69762	2110	2111	2.2	3.4	5.1	3.1	1.3	2.2	0.7	1.7	3.0	1.6	1.5	2.6	1.5	0.5	0.8	0.7	0.5	0.5	0.6	0.6	1.7

A-6(S8c). Modelled pumping rates for SIS simulation in the Loxton area (Scenario 8c) (Part 4/4)

A-7 PREDICTION MODEL INPUT – PUMPING RATES FOR BOOKPURNONG SIS

- Location of pumping wells and model flow budget zones
- Model pumping rates

(Model pumping rates are calculated using Drain cells and obtained from model outputs [Drainage Out].)



Anabranch, Backwater and Water Body

Project Area

Budget Zone

N

0 1 2

Kilometres

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A-7. Model budget zones for SIS simulation in the Bookpurnong area

			Pumping bores	30FP	32FP	34FP	36FP	38FP	42FP	48FP	51FP	59FP	68FP	73FP	2FP	HP12	BHP8	HP11	18FP	25FP	BHP2	HP2	BHP3	River KM	River KM
																					HP4			516-515.5	515.5-515
			Maximum Measured Pumping rates (L/s)	2.94	2.95	3.20	6.28	5.90	5.20	3.01	2.49	3.40	3.93	3.66	3.32	3.10	3.06	2.66	4.98	6.40	3.63	3.54	3.10	-	-
																					3.80				
			Number of bores in the model budget zone	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	-
			Long term average modelled pumping rates (L/s)	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
			Long term average modelled pumping rates per bore (L/s/bore)	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	2.9	1.3	1.1	5.2	1.8
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z44	Z45	Z46	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67
31047	31412	2005	2006	3.3	3.2	2.6	3.3	4.8	1.9	1.3	1.3	2.7	4.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31412	31777	2006	2007	2.2	2.7	2.5	3.2	4.6	1.9	1.3	1.3	2.6	4.7	2.9	2.3	3.1	4.2	0.9	3.2	0.5	5.8	1.3	1.1	5.3	1.8
31777	32142	2007	2008	2.2	2.6	2.4	3.1	4.5	1.9	1.3	1.3	2.6	4.7	2.9	2.3	3.0	4.0	0.8	2.8	0.3	5.6	1.2	1.0	5.0	1.8
32142	32508	2008	2009	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.6	4.6	2.8	2.3	3.0	3.9	0.7	2.6	0.3	5.5	1.1	1.0	4.8	1.8
32508	32873	2009	2010	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.7	4.7	2.8	2.2	3.0	3.9	0.7	2.6	0.3	5.5	1.1	0.9	4.8	1.8
32873	33238	2010	2011	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.7	4.7	2.8	2.2	2.9	3.9	0.6	2.5	0.3	5.4	1.1	0.9	4.7	1.8
33238	33603	2011	2012	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.7	4.7	2.8	2.2	3.0	3.9	0.7	2.6	0.3	5.4	1.1	0.9	4.7	1.8
33603	33969	2012	2013	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.4	2.8	4.7	2.7	2.3	3.0	4.0	0.7	2.6	0.3	5.4	1.1	0.9	4.7	1.8
33969	34334	2013	2014	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.4	2.8	4.8	2.7	2.3	3.0	4.0	0.8	2.7	0.3	5.4	1.1	0.9	4.7	1.8
34334	34699	2014	2015	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.4	2.8	4.8	2.6	2.3	3.0	4.1	0.8	2.8	0.3	5.5	1.2	0.9	4.8	1.8
34699	35064	2015	2016	2.1	2.5	2.4	3.1	4.5	1.9	1.3	1.4	2.9	4.9	2.8	2.3	3.1	4.1	0.9	2.9	0.3	5.5	1.2	1.0	4.8	1.8
35064	35430	2016	2017	2.1	2.5	2.4	3.2	4.5	1.9	1.3	1.4	3.1	5.2	2.9	2.3	3.1	4.1	0.9	3.0	0.3	5.5	1.2	1.0	4.8	1.8
35430	35795	2017	2018	2.1	2.5	2.4	3.2	4.5	1.9	1.3	1.4	3.2	5.4	2.9	2.3	3.1	4.2	0.9	3.0	0.3	5.5	1.2	1.0	4.8	1.8
35795	36160	2018	2019	2.1	2.5	2.4	3.2	4.6	1.9	1.3	1.5	3.3	5.6	3.0	2.4	3.1	4.2	1.0	3.1	0.3	5.5	1.2	1.0	4.8	1.8
36160	36525	2019	2020	2.1	2.5	2.5	3.2	4.6	1.9	1.3	1.5	3.4	5.8	3.1	2.4	3.1	4.2	1.0	3.1	0.3	5.5	1.2	1.0	4.9	1.8
36525	36891	2020	2021	2.1	2.5	2.5	3.2	4.6	2.0	1.3	1.5	3.5	6.0	3.1	2.4	3.1	4.2	1.0	3.2	0.4	5.5	1.2	1.0	4.9	1.8
36891	37256	2021	2022	2.1	2.5	2.5	3.2	4.7	2.0	1.3	1.6	3.6	6.1	3.2	2.4	3.1	4.3	1.0	3.2	0.4	5.5	1.2	1.0	4.9	1.8
37256	37621	2022	2023	2.1	2.5	2.5	3.3	4.7	2.0	1.3	1.6	3.7	6.3	3.2	2.4	3.2	4.3	1.0	3.2	0.4	5.6	1.2	1.0	4.9	1.8
37621	37986	2023	2024	2.1	2.5	2.5	3.3	4.7	2.0	1.3	1.6	3.8	6.4	3.3	2.4	3.2	4.3	1.1	3.3	0.4	5.6	1.2	1.0	4.9	1.8
37986	38352	2024	2025	2.1	2.5	2.5	3.3	4.8	2.0	1.4	1.6	3.9	6.5	3.3	2.4	3.2	4.3	1.1	3.3	0.4	5.6	1.2	1.0	4.9	1.8
38352	38717	2025	2026	2.1	2.6	2.5	3.3	4.8	2.0	1.4	1.7	4.0	6.6	3.4	2.4	3.2	4.3	1.1	3.3	0.4	5.6	1.2	1.0	5.0	1.8
38717	39082	2026	2027	2.2	2.6	2.5	3.3	4.8	2.0	1.4	1.7	4.0	6.7	3.4	2.4	3.2	4.3	1.1	3.4	0.4	5.6	1.2	1.0	5.0	1.8
39082	39447	2027	2028	2.2	2.6	2.5	3.3	4.9	2.1	1.4	1.7	4.1	6.8	3.4	2.4	3.2	4.4	1.1	3.4	0.4	5.6	1.2	1.0	5.0	1.8
39447	39813	2028	2029	2.2	2.6	2.5	3.3	4.9	2.1	1.4	1.7	4.1	6.8	3.5	2.4	3.2	4.4	1.1	3.4	0.4	5.6	1.2	1.0	5.0	1.8
39813	40178	2029	2030	2.2	2.6	2.5	3.4	4.9	2.1	1.4	1.7	4.2	6.9	3.5	2.4	3.2	4.4	1.2	3.4	0.4	5.6	1.2	1.0	5.0	1.8
40178	40543	2030	2031	2.2	2.6	2.5	3.4	4.9	2.1	1.4	1.7	4.2	7.0	3.5	2.5	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
40543	40908	2031	2032	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.3	7.0	3.6	2.5	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
40908	41274	2032	2033	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.3	7.1	3.6	2.5	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
41274	41639	2033	2034	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.4	7.2	3.6	2.5	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
41639	42004	2034	2035	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.4	7.2	3.6	2.5	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.1	1.8
42004	42369	2035	2036	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.4	7.3	3.7	2.5	3.2	4.4	1.2	3.6	0.4	5.6	1.2	1.0	5.1	1.8
42369	42735	2036	2037	2.2	2.6	2.5	3.4	5.1	2.1	1.4	1.8	4.5	7.3	3.7	2.5	3.2	4.5	1.2	3.6	0.4	5.6	1.2	1.0	5.1	1.8
42735	43100	2037	2038	2.2	2.6	2.5	3.4	5.1	2.2	1.4	1.8	4.5	7.4	3.7	2.5	3.3	4.5	1.2	3.6	0.4	5.6	1.2	1.0	5.1	1.8
43100	43465	2038	2039	2.2	2.6	2.5	3.4	5.1	2.2	1.4	1.8	4.5	7.4	3.7	2.5	3.3	4.5	1.2	3.6	0.4	5.6	1.3	1.0	5.1	1.8
43465	43830	2039	2040	2.2	2.6	2.5	3.4	5.1	2.2	1.4	1.8	4.6	7.4	3.8	2.5	3.3	4.5	1.2	3.6	0.4	5.6	1.3	1.0	5.1	1.8
43830	44196	2040	2041	2.2	2.6	2.6	3.4	5.1	2.2	1.4	1.9	4.6	7.5	3.8	2.5	3.3	4.5	1.3	3.6	0.4	5.6	1.3	1.0	5.1	1.8
44196	44561	2041	2042	2.2	2.6	2.6	3.4	5.1	2.2	1.4	1.9	4.6	7.5	3.8	2.5	3.3	4.5	1.3	3.6	0.4	5.6	1.3	1.0	5.1	1.8
44561	44926	2042	2043	2.2	2.6	2.6	3.5	5.1	2.2	1.4	1.9	4.6	7.6	3.8	2.5	3.3	4.5	1.3	3.6	0.4	5.7	1.3	1.0	5.1	1.8
44926	45291	2043	2044	2.2	2.6	2.6	3.5	5.1	2.2	1.4	1.9	4.7	7.6	3.8	2.5	3.3	4.5	1.3	3.7	0.4	5.7	1.3	1.0	5.1	1.8
45291	45657	2044	2045	2.2	2.6	2.6	3.5	5.2	2.2	1.4	1.9	4.7	7.6	3.8	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
45657	46022	2045	2046	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.7	7.7	3.8	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
46022	46387	2046	2047	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.7	7.7	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
46387	46752	2047	2048	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.7	7.7	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
46752	47118	2048	2049	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.8	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
47118	47483	2049	2050	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.8	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
47483	47848	2050	2051	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.8	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
47848	48213	2051	2052	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.8	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
48213	48579	2052	2053	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.9	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
48579	48944	2053	2054	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.9	3.9	2.5	3.3	4.6	1.3	3.7	0.5	5.7	1.3	1.0	5.2	1.8
48944	49309	2054	2055	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	7.9	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
49309	49674	2055	2056	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	7.9	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
49674	50040	2056	2057	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	7.9	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
50040	50405	2057	2058	2.2	2.6	2.6	3.5	5.3	2.2	1.5	1.9	4.9	8.0	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8

A-7(S8a). Modelled pumping rates for SIS simulation in the Bookpurnong area (Scenario 8a) (Part 1/2)

Pumping bores				30FP	32FP	34FP	36FP	38FP	42FP	48FP	51FP	59FP	68FP	73FP	2FP	HP12	BHP8	HP11	18FP	25FP	BHP2	HP2	BHP3	River KM	River KM
																					HP4			516-515.5	515.5-515
Maximum Measured Pumping rates (L/s)				2.94	2.95	3.20	6.28	5.90	5.20	3.01	2.49	3.40	3.93	3.66	3.32	3.10	3.06	2.66	4.98	6.40	3.63	3.54	3.10	-	-
																					3.80				
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	-
Long term average modelled pumping rates (L/s)				2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
Long term average modelled pumping rates per bore (L/s/bore)				2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	2.9	1.3	1.1	5.2	1.8
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z44	Z45	Z46	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67
50405	50770	2058	2059	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	4.9	8.0	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
50770	51135	2059	2060	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	4.9	8.0	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
51135	51501	2060	2061	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	4.9	8.0	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
51501	51866	2061	2062	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	4.9	8.0	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
51866	52231	2062	2063	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.0	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
52231	52596	2063	2064	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
52596	52962	2064	2065	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.2	1.8
52962	53327	2065	2066	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
53327	53692	2066	2067	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
53692	54057	2067	2068	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
54057	54423	2068	2069	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
54423	54788	2069	2070	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.1	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
54788	55153	2070	2071	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
55153	55518	2071	2072	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
55518	55884	2072	2073	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
55884	56249	2073	2074	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.0	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
56249	56614	2074	2075	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
56614	56979	2075	2076	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
56979	57345	2076	2077	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.2	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
57345	57710	2077	2078	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.2	4.1	2.5	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
57710	58075	2078	2079	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.2	4.1	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
58075	58440	2079	2080	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.3	4.1	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
58440	58806	2080	2081	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.3	4.1	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
58806	59171	2081	2082	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.3	4.1	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
59171	59536	2082	2083	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.3	4.1	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
59536	59901	2083	2084	2.2	2.7	2.6	3.6	5.3	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
59901	60267	2084	2085	2.2	2.7	2.6	3.6	5.3	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
60267	60632	2085	2086	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
60632	60997	2086	2087	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
60997	61362	2087	2088	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
61362	61728	2088	2089	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
61728	62093	2089	2090	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
62093	62458	2090	2091	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
62458	62823	2091	2092	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
62823	63189	2092	2093	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
63189	63554	2093	2094	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
63554	63919	2094	2095	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
63919	64284	2095	2096	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
64284	64650	2096	2097	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
64650	65015	2097	2098	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
65015	65380	2098	2099	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
65380	65745	2099	2100	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
65745	66110	2100	2101	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
66110	66475	2101	2102	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
66475	66840	2102	2103	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
66840	67205	2103	2104	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
67205	67571	2104	2105	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
67571	67936	2105	2106	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
67936	68301	2106	2107	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
68301	68666	2107	2108	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
68666	69032	2108	2109	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.4	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
69032	69397	2109	2110	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.5	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8
69397	69762	2110	2111	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.5	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.1	5.2	1.8

A-7(S8a). Modelled pumping rates for SIS simulation in the Bookpurnong area (Scenario 8a) (Part 2/2)

			Pumping bores	30FP	32FP	34FP	36FP	38FP	42FP	48FP	51FP	59FP	68FP	73FP	2FP	HP12	BHP8	HP11	18FP	25FP	BHP2	HP2	BHP3	River KM	River KM
																					HP4			516-515.5	515.5-515
			Maximum Measured Pumping rates (L/s)	2.94	2.95	3.20	6.28	5.90	5.20	3.01	2.49	3.40	3.93	3.66	3.32	3.10	3.06	2.66	4.98	6.40	3.63	3.54	3.10	-	-
																					3.80				
			Number of bores in the model budget zone	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	-
			Long term average modelled pumping rates (L/s)	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
			Long term average modelled pumping rates per bore (L/s/bore)	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	2.7	1.1	0.9	4.5	1.8
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z44	Z45	Z46	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67
31047	31412	2005	2006	3.3	3.2	2.6	3.3	4.7	1.9	1.3	1.3	2.6	4.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31412	31777	2006	2007	2.2	2.7	2.4	3.1	4.5	1.8	1.2	1.2	2.5	4.6	2.9	2.3	3.1	4.2	0.9	3.1	0.4	5.8	1.3	1.1	5.2	1.8
31777	32142	2007	2008	2.1	2.5	2.4	3.1	4.3	1.8	1.2	1.2	2.5	4.6	2.8	2.3	3.0	4.0	0.8	2.7	0.3	5.6	1.2	1.0	4.8	1.8
32142	32508	2008	2009	2.1	2.5	2.4	3.0	4.2	1.7	1.2	1.2	2.4	4.5	2.8	2.2	3.0	3.9	0.7	2.6	0.3	5.5	1.1	1.0	4.7	1.8
32508	32873	2009	2010	2.1	2.5	2.4	3.0	4.2	1.7	1.2	1.2	2.4	4.5	2.8	2.2	2.9	3.9	0.6	2.5	0.3	5.4	1.1	0.9	4.6	1.8
32873	33238	2010	2011	2.1	2.5	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.8	2.2	2.9	3.8	0.6	2.4	0.3	5.4	1.1	0.9	4.5	1.8
33238	33603	2011	2012	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.7	2.2	2.9	3.8	0.6	2.4	0.3	5.4	1.1	0.9	4.5	1.8
33603	33969	2012	2013	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.7	2.2	2.9	3.8	0.6	2.3	0.3	5.4	1.1	0.9	4.5	1.8
33969	34334	2013	2014	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.6	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
34334	34699	2014	2015	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.6	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
34699	35064	2015	2016	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.5	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
35064	35430	2016	2017	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.5	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
35430	35795	2017	2018	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.1	2.4	4.5	2.5	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
35795	36160	2018	2019	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.1	2.4	4.5	2.5	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
36160	36525	2019	2020	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
36525	36891	2020	2021	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
36891	37256	2021	2022	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
37256	37621	2022	2023	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
37621	37986	2023	2024	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
37986	38352	2024	2025	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
38352	38717	2025	2026	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
38717	39082	2026	2027	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
39082	39447	2027	2028	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
39447	39813	2028	2029	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
39813	40178	2029	2030	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
40178	40543	2030	2031	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
40543	40908	2031	2032	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
40908	41274	2032	2033	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
41274	41639	2033	2034	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
41639	42004	2034	2035	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
42004	42369	2035	2036	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
42369	42735	2036	2037	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
42735	43100	2037	2038	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
43100	43465	2038	2039	2.1	2.4	2.3	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
43465	43830	2039	2040	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
43830	44196	2040	2041	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
44196	44561	2041	2042	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
44561	44926	2042	2043	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
44926	45291	2043	2044	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
45291	45657	2044	2045	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
45657	46022	2045	2046	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
46022	46387	2046	2047	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.2	5.4	1.1	0.9	4.5	1.8
46387	46752	2047	2048	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
46752	47118	2048	2049	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
47118	47483	2049	2050	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.1	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
47483	47848	2050	2051	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
47848	48213	2051	2052	2.1	2.4	2.4	3.0	4.0	1.6	1.1	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
48213	48579	2052	2053	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
48579	48944	2053	2054	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
48944	49309	2054	2055	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
49309	49674	2055	2056	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
49674	50040	2056	2057	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
50040	50405	2057	2058	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8

A-7(S8b). Modelled pumping rates for SIS simulation in the Bookpurnong area (Scenario 8b) (Part 1/2)

Pumping bores				30FP	32FP	34FP	36FP	38FP	42FP	48FP	51FP	59FP	68FP	73FP	2FP	HP12	BHP8	HP11	18FP	25FP	BHP2 HP4	HP2	BHP3	River KM 516-515.5	River KM 515.5-515
Maximum Measured Pumping rates (L/s)				2.94	2.95	3.20	6.28	5.90	5.20	3.01	2.49	3.40	3.93	3.66	3.32	3.10	3.06	2.66	4.98	6.40	3.63 3.80	3.54	3.10	-	-
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	-
Long term average modelled pumping rates (L/s)				2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
Long term average modelled pumping rates per bore (L/s/bore)				2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	2.7	1.1	0.9	4.5	1.8
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z44	Z45	Z46	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67
50405	50770	2058	2059	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
50770	51135	2059	2060	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
51135	51501	2060	2061	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
51501	51866	2061	2062	2.1	2.4	2.4	3.0	4.0	1.6	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
51866	52231	2062	2063	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
52231	52596	2063	2064	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
52596	52962	2064	2065	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
52962	53327	2065	2066	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
53327	53692	2066	2067	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
53692	54057	2067	2068	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
54057	54423	2068	2069	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
54423	54788	2069	2070	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
54788	55153	2070	2071	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
55153	55518	2071	2072	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
55518	55884	2072	2073	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
55884	56249	2073	2074	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
56249	56614	2074	2075	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
56614	56979	2075	2076	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
56979	57345	2076	2077	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
57345	57710	2077	2078	2.1	2.4	2.4	3.0	4.0	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
57710	58075	2078	2079	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
58075	58440	2079	2080	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
58440	58806	2080	2081	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
58806	59171	2081	2082	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
59171	59536	2082	2083	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
59536	59901	2083	2084	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
59901	60267	2084	2085	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
60267	60632	2085	2086	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
60632	60997	2086	2087	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
60997	61362	2087	2088	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
61362	61728	2088	2089	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
61728	62093	2089	2090	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
62093	62458	2090	2091	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
62458	62823	2091	2092	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
62823	63189	2092	2093	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
63189	63554	2093	2094	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
63554	63919	2094	2095	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
63919	64284	2095	2096	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
64284	64650	2096	2097	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.3	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
64650	65015	2097	2098	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
65015	65380	2098	2099	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
65380	65745	2099	2100	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
65745	66110	2100	2101	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
66110	66475	2101	2102	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
66475	66840	2102	2103	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
66840	67205	2103	2104	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
67205	67571	2104	2105	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.4	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
67571	67936	2105	2106	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
67936	68301	2106	2107	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
68301	68666	2107	2108	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
68666	69032	2108	2109	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
69032	69397	2109	2110	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8
69397	69762	2110	2111	2.1	2.4	2.4	3.0	4.1	1.7	1.2	1.2	2.4	4.5	2.4	2.2	2.9	3.8	0.5	2.3	0.3	5.4	1.1	0.9	4.5	1.8

A-7(S8b). Modelled pumping rates for SIS simulation in the Bookpurnong area (Scenario 8b) (Part 2/2)

			Pumping bores	30FP	32FP	34FP	36FP	38FP	42FP	48FP	51FP	59FP	68FP	73FP	2FP	HP12	BHP8	HP11	18FP	25FP	BHP2	HP2	BHP3	River KM	River KM
																					HP4			516-515.5	515.5-515
			Maximum Measured Pumping rates (L/s)	2.94	2.95	3.20	6.28	5.90	5.20	3.01	2.49	3.40	3.93	3.66	3.32	3.10	3.06	2.66	4.98	6.40	3.63	3.54	3.10	-	-
																					3.80				
			Number of bores in the model budget zone	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	-
			Long term average modelled pumping rates (L/s)	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
			Long term average modelled pumping rates per bore (L/s/bore)	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	2.9	1.3	1.1	5.3	1.8
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z44	Z45	Z46	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67
31047	31412	2005	2006	3.3	3.2	2.6	3.3	4.8	1.9	1.3	1.3	2.7	4.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31412	31777	2006	2007	2.2	2.7	2.5	3.2	4.6	1.9	1.3	1.3	2.6	4.7	2.9	2.3	3.1	4.2	0.9	3.2	0.5	5.8	1.3	1.1	5.3	1.8
31777	32142	2007	2008	2.2	2.6	2.4	3.1	4.5	1.9	1.3	1.3	2.6	4.7	2.9	2.3	3.0	4.0	0.8	2.8	0.3	5.6	1.2	1.0	5.0	1.8
32142	32508	2008	2009	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.6	4.6	2.8	2.3	3.0	3.9	0.7	2.6	0.3	5.5	1.1	1.0	4.8	1.8
32508	32873	2009	2010	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.7	4.7	2.8	2.2	3.0	3.9	0.7	2.6	0.3	5.5	1.1	0.9	4.8	1.8
32873	33238	2010	2011	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.7	4.7	2.8	2.2	2.9	3.9	0.6	2.5	0.3	5.4	1.1	0.9	4.7	1.8
33238	33603	2011	2012	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.3	2.7	4.7	2.8	2.2	3.0	3.9	0.7	2.6	0.3	5.4	1.1	0.9	4.7	1.8
33603	33969	2012	2013	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.4	2.8	4.7	2.7	2.3	3.0	4.0	0.7	2.6	0.3	5.4	1.1	0.9	4.7	1.8
33969	34334	2013	2014	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.4	2.8	4.8	2.7	2.3	3.0	4.0	0.8	2.7	0.3	5.4	1.1	0.9	4.7	1.8
34334	34699	2014	2015	2.1	2.5	2.4	3.1	4.4	1.9	1.3	1.4	2.8	4.8	2.6	2.3	3.0	4.1	0.8	2.8	0.3	5.5	1.2	0.9	4.8	1.8
34699	35064	2015	2016	2.1	2.5	2.4	3.1	4.5	1.9	1.3	1.4	2.9	5.0	2.8	2.3	3.1	4.2	0.9	3.0	0.3	5.5	1.2	1.0	4.8	1.8
35064	35430	2016	2017	2.1	2.5	2.4	3.2	4.5	1.9	1.3	1.4	3.1	5.2	2.9	2.3	3.1	4.2	1.0	3.1	0.3	5.5	1.2	1.0	4.8	1.8
35430	35795	2017	2018	2.1	2.5	2.4	3.2	4.5	1.9	1.3	1.4	3.2	5.5	3.0	2.4	3.1	4.2	1.0	3.1	0.3	5.5	1.2	1.0	4.8	1.8
35795	36160	2018	2019	2.1	2.5	2.4	3.2	4.6	1.9	1.3	1.5	3.4	5.7	3.0	2.4	3.1	4.3	1.0	3.2	0.4	5.5	1.2	1.0	4.8	1.8
36160	36525	2019	2020	2.1	2.5	2.5	3.2	4.6	1.9	1.3	1.5	3.5	5.9	3.1	2.4	3.2	4.3	1.1	3.2	0.4	5.5	1.2	1.0	4.9	1.8
36525	36891	2020	2021	2.1	2.5	2.5	3.2	4.6	2.0	1.3	1.5	3.6	6.1	3.2	2.4	3.2	4.3	1.1	3.3	0.4	5.6	1.2	1.0	4.9	1.8
36891	37256	2021	2022	2.1	2.5	2.5	3.2	4.7	2.0	1.3	1.6	3.7	6.3	3.3	2.4	3.2	4.3	1.1	3.3	0.4	5.6	1.2	1.0	4.9	1.8
37256	37621	2022	2023	2.1	2.5	2.5	3.3	4.7	2.0	1.3	1.6	3.8	6.4	3.3	2.4	3.2	4.4	1.1	3.4	0.4	5.6	1.2	1.0	4.9	1.8
37621	37986	2023	2024	2.1	2.5	2.5	3.3	4.8	2.0	1.4	1.6	3.9	6.6	3.4	2.4	3.2	4.4	1.1	3.4	0.4	5.6	1.2	1.0	4.9	1.8
37986	38352	2024	2025	2.1	2.6	2.5	3.3	4.8	2.0	1.4	1.7	4.0	6.7	3.5	2.4	3.2	4.4	1.2	3.4	0.4	5.6	1.2	1.0	5.0	1.8
38352	38717	2025	2026	2.2	2.6	2.5	3.3	4.8	2.0	1.4	1.7	4.1	6.8	3.5	2.4	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
38717	39082	2026	2027	2.2	2.6	2.5	3.3	4.9	2.1	1.4	1.7	4.1	6.9	3.6	2.4	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
39082	39447	2027	2028	2.2	2.6	2.5	3.3	4.9	2.1	1.4	1.7	4.2	7.0	3.6	2.5	3.2	4.4	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
39447	39813	2028	2029	2.2	2.6	2.5	3.4	4.9	2.1	1.4	1.7	4.3	7.1	3.6	2.5	3.2	4.5	1.2	3.5	0.4	5.6	1.2	1.0	5.0	1.8
39813	40178	2029	2030	2.2	2.6	2.5	3.4	4.9	2.1	1.4	1.8	4.3	7.2	3.7	2.5	3.3	4.5	1.2	3.6	0.4	5.6	1.2	1.0	5.0	1.8
40178	40543	2030	2031	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.4	7.3	3.7	2.5	3.3	4.5	1.2	3.6	0.4	5.6	1.2	1.0	5.0	1.8
40543	40908	2031	2032	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.4	7.4	3.8	2.5	3.3	4.5	1.3	3.6	0.4	5.6	1.2	1.0	5.0	1.8
40908	41274	2032	2033	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.5	7.4	3.8	2.5	3.3	4.5	1.3	3.6	0.4	5.6	1.2	1.0	5.1	1.8
41274	41639	2033	2034	2.2	2.6	2.5	3.4	5.0	2.1	1.4	1.8	4.5	7.5	3.8	2.5	3.3	4.5	1.3	3.7	0.4	5.6	1.3	1.0	5.1	1.8
41639	42004	2034	2035	2.2	2.6	2.5	3.4	5.1	2.2	1.4	1.8	4.6	7.6	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.6	1.3	1.0	5.1	1.8
42004	42369	2035	2036	2.2	2.6	2.5	3.4	5.1	2.2	1.4	1.8	4.6	7.6	3.9	2.5	3.3	4.5	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
42369	42735	2036	2037	2.2	2.6	2.6	3.4	5.1	2.2	1.4	1.9	4.7	7.7	3.9	2.5	3.3	4.6	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
42735	43100	2037	2038	2.2	2.6	2.6	3.4	5.1	2.2	1.4	1.9	4.7	7.7	3.9	2.5	3.3	4.6	1.3	3.7	0.5	5.7	1.3	1.0	5.1	1.8
43100	43465	2038	2039	2.2	2.6	2.6	3.5	5.1	2.2	1.4	1.9	4.7	7.8	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.1	1.8
43465	43830	2039	2040	2.2	2.6	2.6	3.5	5.1	2.2	1.4	1.9	4.8	7.8	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.1	1.8
43830	44196	2040	2041	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.9	4.0	2.5	3.3	4.6	1.3	3.8	0.5	5.7	1.3	1.0	5.1	1.8
44196	44561	2041	2042	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.8	7.9	4.0	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.1	1.8
44561	44926	2042	2043	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	8.0	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.1	1.8
44926	45291	2043	2044	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	8.0	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.1	1.8
45291	45657	2044	2045	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	8.1	4.1	2.5	3.3	4.6	1.4	3.8	0.5	5.7	1.3	1.0	5.2	1.8
45657	46022	2045	2046	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	4.9	8.1	4.1	2.5	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
46022	46387	2046	2047	2.2	2.6	2.6	3.5	5.2	2.2	1.5	1.9	5.0	8.1	4.1	2.5	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
46387	46752	2047	2048	2.2	2.6	2.6	3.5	5.2	2.2	1.5	2.0	5.0	8.2	4.2	2.5	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
46752	47118	2048	2049	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	5.0	8.2	4.2	2.5	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
47118	47483	2049	2050	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	5.0	8.2	4.2	2.5	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
47483	47848	2050	2051	2.2	2.6	2.6	3.5	5.3	2.2	1.5	2.0	5.0	8.3	4.2	2.6	3.3	4.6	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
47848	48213	2051	2052	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.7	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
48213	48579	2052	2053	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.3	4.2	2.6	3.3	4.7	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
48579	48944	2053	2054	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.4	4.2	2.6	3.4	4.7	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
48944	49309	2054	2055	2.2	2.6	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.4	4.3	2.6	3.4	4.7	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
49309	49674	2055	2056	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.4	4.3	2.6	3.4	4.7	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
49674	50040	2056	2057	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.1	8.4	4.3	2.6	3.4	4.7	1.4	3.9	0.5	5.7	1.3	1.0	5.2	1.8
50040	50405	2057	2058	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.2	8.5	4.3	2.6	3.4	4.7	1.4	4.0	0.5	5.7	1.3	1.1	5.2	1.8

A-7(S8c). Modelled pumping rates for SIS simulation in the Bookpurnong area (Scenario 8c) (Part 1/2)

Pumping bores				30FP	32FP	34FP	36FP	38FP	42FP	48FP	51FP	59FP	68FP	73FP	2FP	HP12	BHP8	HP11	18FP	25FP	BHP2	HP2	BHP3	River KM	River KM
																					HP4			516-515.5	515.5-515
Maximum Measured Pumping rates (L/s)				2.94	2.95	3.20	6.28	5.90	5.20	3.01	2.49	3.40	3.93	3.66	3.32	3.10	3.06	2.66	4.98	6.40	3.63	3.54	3.10	-	-
																					3.80				
Number of bores in the model budget zone				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	-
Long term average modelled pumping rates (L/s)				2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
Long term average modelled pumping rates per bore (L/s/bore)				2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	2.9	1.3	1.1	5.3	1.8
Start (Model day)	Stop (Model day)	Start (Year)	Stop (Year)	Z44	Z45	Z46	Z47	Z48	Z49	Z50	Z51	Z52	Z53	Z54	Z55	Z58	Z59	Z60	Z61	Z62	Z63	Z64	Z65	Z66	Z67
50405	50770	2058	2059	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.2	8.5	4.3	2.6	3.4	4.7	1.4	4.0	0.5	5.7	1.3	1.1	5.2	1.8
50770	51135	2059	2060	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.2	8.5	4.3	2.6	3.4	4.7	1.4	4.0	0.5	5.7	1.3	1.1	5.2	1.8
51135	51501	2060	2061	2.2	2.7	2.6	3.5	5.3	2.3	1.5	2.0	5.2	8.5	4.3	2.6	3.4	4.7	1.4	4.0	0.5	5.7	1.3	1.1	5.2	1.8
51501	51866	2061	2062	2.2	2.7	2.6	3.6	5.3	2.3	1.5	2.0	5.2	8.5	4.3	2.6	3.4	4.7	1.4	4.0	0.5	5.7	1.3	1.1	5.2	1.8
51866	52231	2062	2063	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.6	4.3	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
52231	52596	2063	2064	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.2	8.6	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
52596	52962	2064	2065	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.3	8.6	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
52962	53327	2065	2066	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.3	8.6	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
53327	53692	2066	2067	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.3	8.6	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
53692	54057	2067	2068	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.0	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
54057	54423	2068	2069	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
54423	54788	2069	2070	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
54788	55153	2070	2071	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
55153	55518	2071	2072	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
55518	55884	2072	2073	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
55884	56249	2073	2074	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.3	8.7	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
56249	56614	2074	2075	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.4	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.2	1.8
56614	56979	2075	2076	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.3	1.8
56979	57345	2076	2077	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.3	1.8
57345	57710	2077	2078	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.0	0.5	5.7	1.3	1.1	5.3	1.8
57710	58075	2078	2079	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
58075	58440	2079	2080	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
58440	58806	2080	2081	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
58806	59171	2081	2082	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.8	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
59171	59536	2082	2083	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
59536	59901	2083	2084	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
59901	60267	2084	2085	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
60267	60632	2085	2086	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
60632	60997	2086	2087	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
60997	61362	2087	2088	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
61362	61728	2088	2089	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.4	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
61728	62093	2089	2090	2.2	2.7	2.6	3.6	5.4	2.3	1.5	2.1	5.5	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
62093	62458	2090	2091	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
62458	62823	2091	2092	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
62823	63189	2092	2093	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
63189	63554	2093	2094	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	8.9	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
63554	63919	2094	2095	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.5	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
63919	64284	2095	2096	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.7	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
64284	64650	2096	2097	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
64650	65015	2097	2098	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
65015	65380	2098	2099	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
65380	65745	2099	2100	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
65745	66110	2100	2101	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
66110	66475	2101	2102	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
66475	66840	2102	2103	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
66840	67205	2103	2104	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
67205	67571	2104	2105	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
67571	67936	2105	2106	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
67936	68301	2106	2107	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
68301	68666	2107	2108	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
68666	69032	2108	2109	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
69032	69397	2109	2110	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.0	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8
69397	69762	2110	2111	2.2	2.7	2.6	3.6	5.5	2.3	1.5	2.1	5.5	9.1	4.6	2.6	3.4	4.8	1.5	4.1	0.5	5.7	1.3	1.1	5.3	1.8

A-7(S8c). Modelled pumping rates for SIS simulation in the Bookpurnong area (Scenario 8c) (Part 2/2)

B. MODEL OUTPUTS (FLUX AND SALT LOAD)

B-1 SUMMARY OF SALT LOAD FOR LOXTON AND BOOKPURNONG

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

Scenario	Name	Years simulated	Irrigation development area	IIP[1] & RH[2]	SIS[3]
Calibrated model	Historical irrigation, RH, IIP & SIS	1920-2010	Irrigation history	Yes	Yes
Scenario-1	Natural System (Steady State since 1920)	Steady-state	None	-	-
Scenario-2	Mallee Clearance	1920-2110	None	-	-
Scenario-3a	Irrigation Pre-1988, no IIP, no RH	1988-2110	Pre-1988	No	No
Scenario-3c	Irrigation Pre-1988, with IIP & RH	1988-2110	Pre-1988	Yes	No
Scenario-4	Current irrigation (business as usual)	1988-2110	Pre-1988 + Post-1988	Yes	No
Scenario-5	Current plus future irrigation	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	No
Scenario-8a	Current irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988	Yes	Yes
Scenario-8b	Pre-1988, with IIP & RH plus constructed SIS	1988-2110	Pre-1988	Yes	Yes
Scenario-8c	Current plus future irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP[1] Improved Irrigation Practices
See Glossary for definition

RH[2] Rehabilitation

SIS[3] Salt Interception Scheme

B-1. Model scenario conditions

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1921	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1922	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1923	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1924	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1925	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1926	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1927	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1928	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1929	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1930	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1931	2.9	2.9	4.6	4.6	4.6	4.6	4.6	4.6	4.6
1932	2.9	2.9	7.5	7.5	7.5	7.5	7.5	7.5	7.5
1933	2.9	2.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1934	2.9	2.9	12.1	12.1	12.1	12.1	12.1	12.1	12.1
1935	2.9	2.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
1936	2.9	2.9	15.3	15.3	15.3	15.3	15.3	15.3	15.3
1937	2.9	2.9	16.5	16.5	16.5	16.5	16.5	16.5	16.5
1938	2.9	2.9	17.5	17.5	17.5	17.5	17.5	17.5	17.5
1939	2.9	2.9	18.4	18.4	18.4	18.4	18.4	18.4	18.4
1940	2.9	2.9	19.2	19.2	19.2	19.2	19.2	19.2	19.2
1941	2.9	2.9	19.8	19.8	19.8	19.8	19.8	19.8	19.8
1942	2.9	2.9	20.4	20.4	20.4	20.4	20.4	20.4	20.4
1943	2.9	2.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
1944	2.9	2.9	21.4	21.4	21.4	21.4	21.4	21.4	21.4
1945	2.9	2.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
1946	2.9	2.9	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1947	2.9	2.9	22.6	22.6	22.6	22.6	22.6	22.6	22.6
1948	2.9	2.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0
1949	2.9	2.9	23.3	23.3	23.3	23.3	23.3	23.3	23.3
1950	2.9	2.9	23.6	23.6	23.6	23.6	23.6	23.6	23.6
1951	2.9	2.9	23.8	23.8	23.8	23.8	23.8	23.8	23.8
1952	2.9	2.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1
1953	2.9	2.9	24.3	24.3	24.3	24.3	24.3	24.3	24.3
1954	2.9	2.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5
1955	2.9	2.9	24.7	24.7	24.7	24.7	24.7	24.7	24.7
1956	2.9	2.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0
1957	2.9	2.9	25.2	25.2	25.2	25.2	25.2	25.2	25.2
1958	2.9	2.9	25.4	25.4	25.4	25.4	25.4	25.4	25.4
1959	2.9	2.9	25.6	25.6	25.6	25.6	25.6	25.6	25.6
1960	2.9	2.9	25.8	25.8	25.8	25.8	25.8	25.8	25.8
1961	2.9	2.9	27.3	27.3	27.3	27.3	27.3	27.3	27.3
1962	2.9	3.0	30.8	30.8	30.8	30.8	30.8	30.8	30.8
1963	2.9	3.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2
1964	2.9	3.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7
1965	2.9	3.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
1966	2.9	3.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2
1967	2.9	3.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5

B-1a. Modelled salt load (t/d) entering the River Murray in Loxton for all scenarios (Part1/4)

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1968	2.9	3.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
1969	2.9	3.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1970	2.9	3.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4
1971	2.9	3.0	63.8	63.8	63.8	63.8	63.8	63.8	63.8
1972	2.9	3.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3
1973	2.9	3.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
1974	2.9	3.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
1975	2.9	3.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
1976	2.9	3.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
1977	2.9	3.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
1978	2.9	3.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
1979	2.9	3.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1980	2.9	3.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1981	2.9	3.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1982	2.9	3.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1983	2.9	3.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
1984	2.9	3.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
1985	2.9	3.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1986	2.9	3.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5
1987	2.9	3.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1988	2.9	3.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1989	2.9	3.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1990	2.9	3.2	92.8	92.7	92.7	92.7	92.7	92.7	92.7
1991	2.9	3.2	93.3	93.2	93.2	93.2	93.2	93.2	93.2
1992	2.9	3.2	94.0	93.2	93.2	93.2	93.2	93.2	93.2
1993	2.9	3.2	94.6	93.0	93.0	93.0	93.0	93.0	93.0
1994	2.9	3.2	95.2	92.5	92.5	92.5	92.5	92.5	92.5
1995	2.9	3.2	95.8	91.5	91.5	91.5	91.5	91.5	91.5
1996	2.9	3.3	96.4	90.2	90.2	90.2	90.2	90.2	90.2
1997	2.9	3.3	97.1	89.1	89.1	89.1	89.1	89.1	89.1
1998	2.9	3.3	97.7	88.1	88.1	88.1	88.1	88.1	88.1
1999	2.9	3.3	98.3	86.9	86.9	86.9	86.9	86.9	86.9
2000	2.9	3.3	98.9	85.5	85.5	85.5	85.5	85.5	85.5
2001	2.9	3.4	99.6	84.4	84.4	84.4	84.4	84.4	84.4
2002	2.9	3.4	100.2	83.0	83.0	83.0	83.0	83.0	83.0
2003	2.9	3.4	100.8	81.4	81.4	81.4	81.4	81.4	81.4
2004	2.9	3.4	101.4	79.8	79.8	79.8	79.8	79.8	79.8
2005	2.9	3.4	102.0	78.4	78.4	78.4	78.4	78.4	78.4
2006	2.9	3.5	102.5	77.2	77.4	77.4	74.5	74.3	74.5
2007	2.9	3.5	103.1	76.0	76.3	76.3	73.5	73.1	73.5
2008	2.9	3.5	103.6	74.8	75.5	75.5	39.9	39.5	39.9
2009	2.9	3.5	104.1	73.8	74.7	74.7	35.6	35.2	35.6
2010	2.9	3.5	104.5	72.8	74.0	74.0	24.9	24.4	24.9
2011	2.9	3.6	105.0	71.9	73.2	73.2	21.3	20.8	21.3
2012	2.9	3.6	105.4	71.0	72.6	72.6	19.8	19.3	19.8
2013	2.9	3.6	105.8	70.2	71.9	71.9	18.7	18.3	18.7
2014	2.9	3.6	106.1	69.5	71.4	71.4	18.1	17.6	18.1
2015	2.9	3.7	106.5	68.8	70.9	70.9	17.7	17.2	17.7

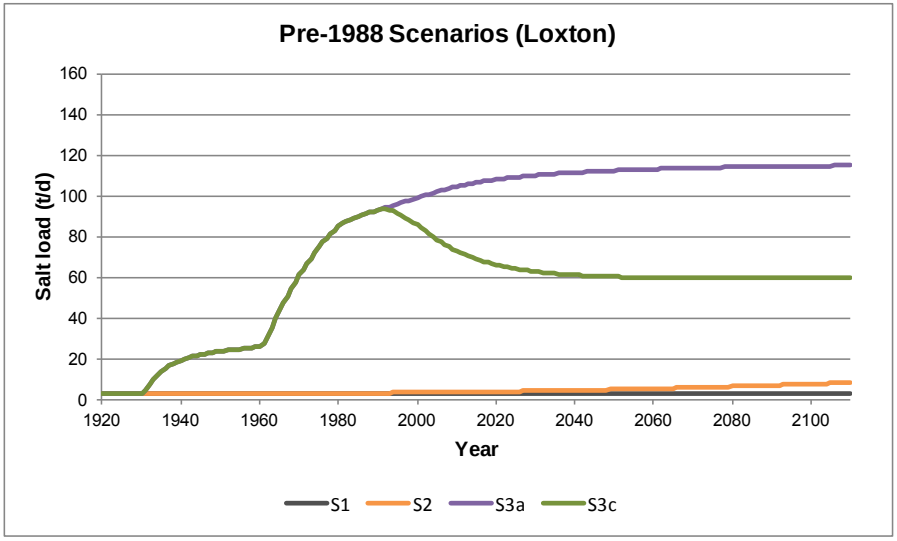
B-1a. Modelled salt load (t/d) entering the River Murray in Loxton for all scenarios (Part2/4)

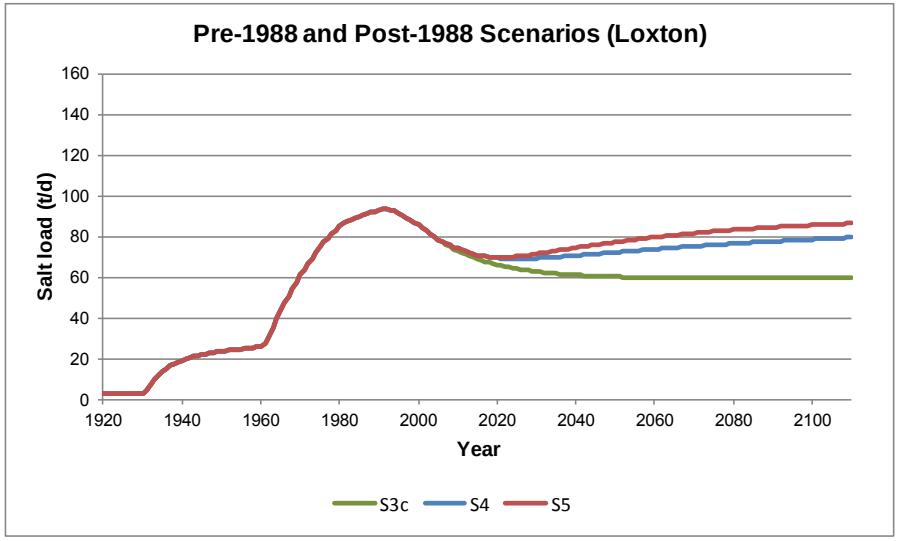
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2016	2.9	3.7	106.8	68.2	70.5	70.5	17.4	16.9	17.4
2017	2.9	3.7	107.1	67.6	70.1	70.1	17.2	16.6	17.2
2018	2.9	3.7	107.4	67.1	69.8	69.9	17.0	16.3	17.1
2019	2.9	3.8	107.7	66.6	69.6	69.7	16.9	16.1	16.9
2020	2.9	3.8	107.9	66.1	69.4	69.6	16.8	16.0	16.8
2021	2.9	3.8	108.2	65.7	69.2	69.6	16.7	15.8	16.8
2022	2.9	3.8	108.4	65.2	69.1	69.7	16.6	15.7	16.7
2023	2.9	3.9	108.7	64.9	69.0	69.8	16.5	15.5	16.7
2024	2.9	3.9	108.9	64.5	69.0	69.9	16.5	15.4	16.7
2025	2.9	3.9	109.1	64.2	69.0	70.1	16.5	15.3	16.8
2026	2.9	4.0	109.3	63.9	69.0	70.3	16.4	15.2	16.8
2027	2.9	4.0	109.5	63.6	69.0	70.6	16.4	15.1	16.8
2028	2.9	4.0	109.6	63.3	69.1	70.9	16.4	15.1	16.8
2029	2.9	4.1	109.8	63.0	69.2	71.1	16.4	15.0	16.9
2030	2.9	4.1	110.0	62.8	69.3	71.4	16.4	14.9	16.9
2031	2.9	4.1	110.1	62.6	69.4	71.7	16.4	14.9	17.0
2032	2.9	4.1	110.3	62.4	69.5	72.0	16.4	14.8	17.0
2033	2.9	4.2	110.4	62.2	69.6	72.3	16.5	14.7	17.1
2034	2.9	4.2	110.6	62.0	69.7	72.6	16.5	14.7	17.1
2035	2.9	4.3	110.7	61.8	69.9	72.9	16.5	14.6	17.2
2036	2.9	4.3	110.9	61.6	70.0	73.2	16.5	14.6	17.3
2037	2.9	4.3	111.0	61.5	70.2	73.5	16.5	14.6	17.3
2038	2.9	4.4	111.1	61.3	70.3	73.9	16.6	14.5	17.4
2039	2.9	4.4	111.2	61.2	70.5	74.2	16.6	14.5	17.4
2040	2.9	4.4	111.3	61.1	70.6	74.5	16.6	14.5	17.5
2041	2.9	4.5	111.5	61.0	70.8	74.7	16.6	14.4	17.5
2042	2.9	4.5	111.6	60.9	70.9	75.0	16.7	14.4	17.6
2043	2.9	4.5	111.7	60.7	71.1	75.3	16.7	14.4	17.6
2044	2.9	4.6	111.8	60.7	71.3	75.6	16.7	14.3	17.7
2045	2.9	4.6	111.9	60.6	71.4	75.9	16.7	14.3	17.8
2046	2.9	4.7	112.0	60.5	71.6	76.2	16.8	14.3	17.8
2047	2.9	4.7	112.1	60.4	71.7	76.5	16.8	14.3	17.9
2048	2.9	4.7	112.2	60.3	71.9	76.7	16.8	14.3	17.9
2049	2.9	4.8	112.3	60.3	72.1	77.0	16.9	14.2	18.0
2050	2.9	4.8	112.3	60.2	72.2	77.3	16.9	14.2	18.0
2051	2.9	4.9	112.4	60.1	72.4	77.5	16.9	14.2	18.1
2052	2.9	4.9	112.5	60.1	72.5	77.8	16.9	14.2	18.1
2053	2.9	5.0	112.6	60.0	72.7	78.0	17.0	14.2	18.1
2054	2.9	5.0	112.7	60.0	72.9	78.3	17.0	14.2	18.2
2055	2.9	5.1	112.7	59.9	73.0	78.5	17.0	14.1	18.2
2056	2.9	5.1	112.8	59.9	73.2	78.7	17.1	14.1	18.3
2057	2.9	5.1	112.9	59.8	73.3	78.9	17.1	14.1	18.3
2058	2.9	5.2	112.9	59.8	73.5	79.2	17.1	14.1	18.4
2059	2.9	5.2	113.0	59.8	73.6	79.4	17.1	14.1	18.4
2060	2.9	5.3	113.1	59.7	73.8	79.6	17.2	14.1	18.4
2061	2.9	5.3	113.1	59.7	73.9	79.8	17.2	14.1	18.5
2062	2.9	5.4	113.2	59.7	74.1	80.0	17.2	14.1	18.5
2063	2.9	5.4	113.3	59.7	74.2	80.2	17.3	14.1	18.6

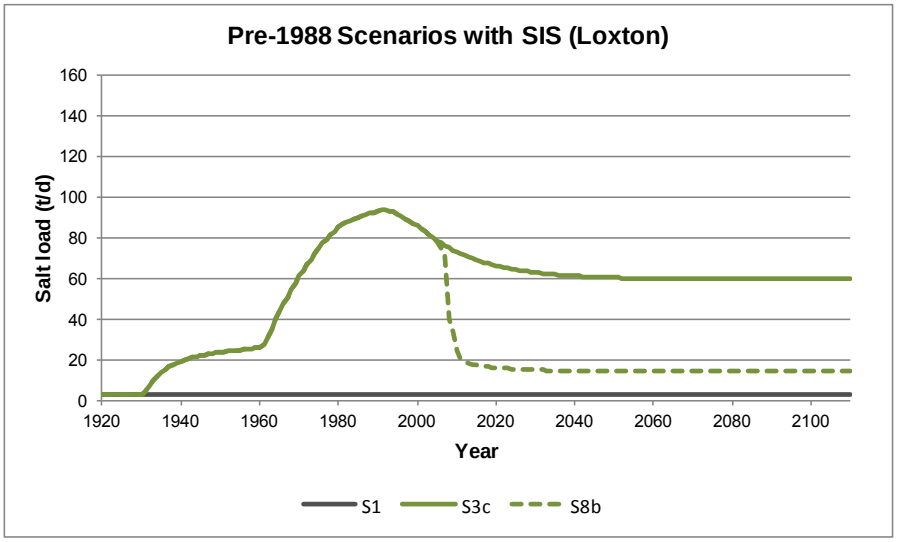
B-1a. Modelled salt load (t/d) entering the River Murray in Loxton for all scenarios (Part3/4)

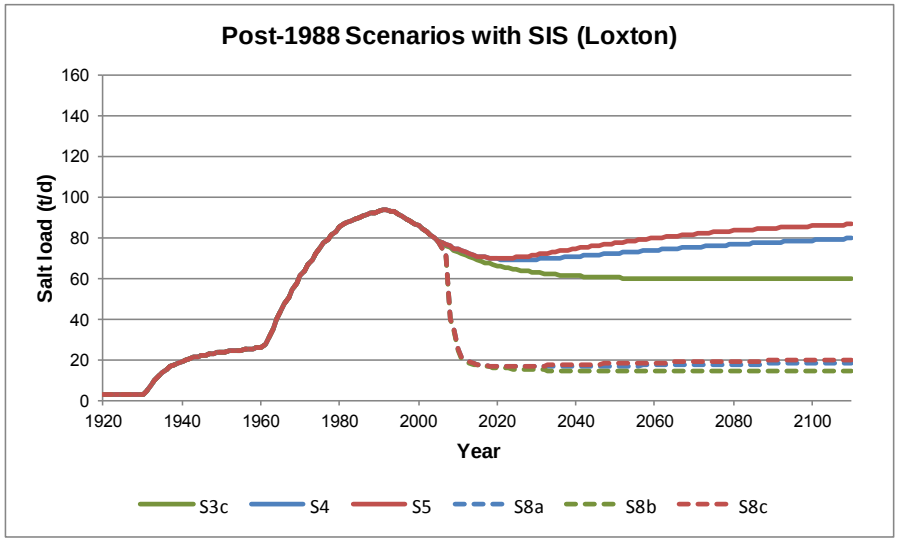
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2064	2.9	5.5	113.3	59.6	74.4	80.4	17.3	14.1	18.6
2065	2.9	5.5	113.4	59.6	74.5	80.6	17.3	14.1	18.6
2066	2.9	5.6	113.4	59.6	74.6	80.8	17.3	14.0	18.7
2067	2.9	5.6	113.5	59.6	74.8	81.0	17.4	14.0	18.7
2068	2.9	5.7	113.5	59.6	74.9	81.2	17.4	14.0	18.8
2069	2.9	5.7	113.6	59.6	75.1	81.4	17.4	14.0	18.8
2070	2.9	5.8	113.6	59.5	75.2	81.6	17.4	14.0	18.8
2071	2.9	5.8	113.7	59.5	75.3	81.8	17.5	14.0	18.9
2072	2.9	5.9	113.7	59.5	75.5	81.9	17.5	14.0	18.9
2073	2.9	5.9	113.7	59.5	75.6	82.1	17.5	14.0	18.9
2074	2.9	6.0	113.8	59.5	75.7	82.3	17.5	14.0	19.0
2075	2.9	6.1	113.8	59.5	75.8	82.4	17.6	14.0	19.0
2076	2.9	6.1	113.9	59.5	76.0	82.6	17.6	14.0	19.0
2077	2.9	6.2	113.9	59.5	76.1	82.8	17.6	14.0	19.1
2078	2.9	6.2	113.9	59.5	76.2	82.9	17.6	14.0	19.1
2079	2.9	6.3	114.0	59.5	76.3	83.1	17.6	14.0	19.1
2080	2.9	6.3	114.0	59.5	76.5	83.2	17.7	14.0	19.1
2081	2.9	6.4	114.0	59.5	76.6	83.4	17.7	14.0	19.2
2082	2.9	6.4	114.1	59.5	76.7	83.5	17.7	14.0	19.2
2083	2.9	6.5	114.1	59.5	76.8	83.7	17.7	14.0	19.2
2084	2.9	6.6	114.1	59.5	76.9	83.8	17.8	14.0	19.3
2085	2.9	6.6	114.2	59.5	77.0	83.9	17.8	14.0	19.3
2086	2.9	6.7	114.2	59.5	77.1	84.1	17.8	14.0	19.3
2087	2.9	6.7	114.2	59.5	77.2	84.2	17.8	14.0	19.3
2088	2.9	6.8	114.3	59.5	77.4	84.3	17.8	14.0	19.4
2089	2.9	6.8	114.3	59.5	77.5	84.4	17.9	14.0	19.4
2090	2.9	6.9	114.3	59.5	77.6	84.5	17.9	14.0	19.4
2091	2.9	7.0	114.4	59.5	77.7	84.7	17.9	14.0	19.4
2092	2.9	7.0	114.4	59.6	77.8	84.8	17.9	14.0	19.5
2093	2.9	7.1	114.4	59.6	77.9	84.9	17.9	14.0	19.5
2094	2.9	7.1	114.4	59.6	78.0	85.0	17.9	14.0	19.5
2095	2.9	7.2	114.5	59.6	78.1	85.1	18.0	14.0	19.5
2096	2.9	7.3	114.5	59.6	78.2	85.2	18.0	14.0	19.5
2097	2.9	7.3	114.5	59.6	78.3	85.3	18.0	14.0	19.6
2098	2.9	7.4	114.5	59.6	78.4	85.4	18.0	14.0	19.6
2099	2.9	7.5	114.6	59.6	78.5	85.5	18.0	14.0	19.6
2100	2.9	7.5	114.6	59.6	78.5	85.6	18.1	14.0	19.6
2101	2.9	7.6	114.6	59.6	78.6	85.7	18.1	14.0	19.6
2102	2.9	7.6	114.6	59.7	78.7	85.7	18.1	14.0	19.7
2103	2.9	7.7	114.7	59.7	78.8	85.8	18.1	14.0	19.7
2104	2.9	7.8	114.7	59.7	78.9	85.9	18.1	14.0	19.7
2105	2.9	7.8	114.7	59.7	79.0	86.0	18.1	14.0	19.7
2106	2.9	7.9	114.7	59.7	79.1	86.1	18.2	14.0	19.7
2107	2.9	8.0	114.7	59.7	79.2	86.1	18.2	14.0	19.7
2108	2.9	8.1	114.8	59.7	79.3	86.2	18.2	14.0	19.8
2109	2.9	8.1	114.8	59.7	79.3	86.3	18.2	14.0	19.8
2110	2.9	8.2	114.8	59.8	79.4	86.3	18.2	14.0	19.8
2111	2.9	8.3	114.8	59.8	79.5	86.4	18.2	14.0	19.8

B-1a. Modelled salt load (t/d) entering the River Murray in Loxton for all scenarios (Part4/4)









B-1a. Graphs of modelled salt load (t/d) entering the River Murray in Loxton for all scenarios

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1920	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1921	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1922	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1923	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1924	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1925	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1926	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1927	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1928	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1929	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1930	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1931	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1932	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1933	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1934	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1935	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
1936	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1937	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1938	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1939	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1940	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1941	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1942	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1943	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1944	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
1945	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1946	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1947	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1948	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1949	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1950	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1951	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1952	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1953	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4
1954	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1955	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1956	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1957	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1958	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1959	22.2	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5
1960	22.2	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6
1961	22.2	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6
1962	22.2	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6
1963	22.2	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6
1964	22.2	22.3	22.7	22.7	22.7	22.7	22.7	22.7	22.7
1965	22.2	22.3	22.7	22.7	22.7	22.7	22.7	22.7	22.7
1966	22.2	22.3	22.8	22.8	22.8	22.8	22.8	22.8	22.8
1967	22.2	22.3	22.9	22.9	22.9	22.9	22.9	22.9	22.9

B-1b. Modelled salt load (t/d) entering the River Murray in Bookpurnong for all scenarios (Part1/4)

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
1968	22.2	22.3	23.0	23.0	23.0	23.0	23.0	23.0	23.0
1969	22.2	22.3	23.0	23.0	23.0	23.0	23.0	23.0	23.0
1970	22.2	22.3	23.1	23.1	23.1	23.1	23.1	23.1	23.1
1971	22.2	22.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0
1972	22.2	22.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6
1973	22.2	22.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
1974	22.2	22.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7
1975	22.2	22.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9
1976	22.2	22.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6
1977	22.2	22.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
1978	22.2	22.3	41.1	41.1	41.1	41.1	41.1	41.1	41.1
1979	22.2	22.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5
1980	22.2	22.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6
1981	22.2	22.3	49.2	49.2	49.2	49.2	49.2	49.2	49.2
1982	22.2	22.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2
1983	22.2	22.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
1984	22.2	22.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
1985	22.2	22.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
1986	22.2	22.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8
1987	22.2	22.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8
1988	22.2	22.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6
1989	22.2	22.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1990	22.2	22.4	71.2	70.4	70.4	70.4	70.4	70.4	70.4
1991	22.2	22.4	73.0	71.8	71.8	71.8	71.8	71.8	71.8
1992	22.2	22.4	75.3	72.5	72.5	72.5	72.5	72.5	72.5
1993	22.2	22.4	77.1	73.2	73.2	73.2	73.2	73.2	73.2
1994	22.2	22.4	78.7	73.1	73.1	73.1	73.1	73.1	73.1
1995	22.2	22.4	80.4	73.7	73.7	73.7	73.7	73.7	73.7
1996	22.2	22.4	81.7	74.4	74.4	74.4	74.4	74.4	74.4
1997	22.2	22.4	85.4	77.8	77.8	77.8	77.8	77.8	77.8
1998	22.2	22.4	88.7	80.2	80.2	80.2	80.2	80.2	80.2
1999	22.2	22.4	93.3	83.7	83.7	83.7	83.7	83.7	83.7
2000	22.2	22.4	96.3	84.9	84.9	84.9	84.9	84.9	84.9
2001	22.2	22.4	98.6	85.2	85.2	85.2	85.2	85.2	85.2
2002	22.2	22.4	100.5	84.7	84.8	84.8	84.8	84.7	84.8
2003	22.2	22.4	102.0	83.9	84.2	84.2	84.2	83.9	84.2
2004	22.2	22.4	103.3	82.9	83.5	83.5	83.5	82.9	83.5
2005	22.2	22.4	104.4	82.1	82.9	82.9	82.9	82.1	82.9
2006	22.2	22.4	105.3	81.1	82.4	82.4	43.8	43.6	43.8
2007	22.2	22.4	106.1	80.2	82.1	82.1	20.6	20.5	20.6
2008	22.2	22.5	106.9	79.5	82.1	82.1	20.1	19.9	20.1
2009	22.2	22.5	107.5	79.1	82.4	82.4	19.9	19.6	19.9
2010	22.2	22.5	108.1	79.0	82.9	82.9	19.7	19.3	19.7
2011	22.2	22.5	108.6	79.0	83.6	83.6	19.6	19.1	19.6
2012	22.2	22.5	109.1	79.1	84.7	84.7	19.7	19.0	19.7
2013	22.2	22.5	109.5	79.1	85.9	85.9	19.9	18.9	19.9
2014	22.2	22.5	110.0	79.1	87.2	87.2	20.1	18.8	20.1
2015	22.2	22.5	110.3	79.2	89.0	89.0	20.6	18.7	20.6

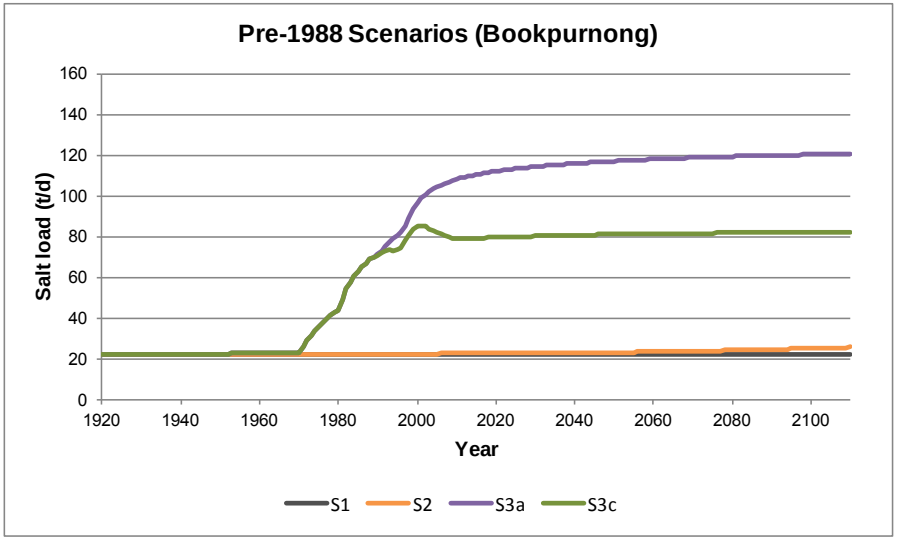
B-1b. Modelled salt load (t/d) entering the River Murray in Bookpurnong for all scenarios (Part2/4)

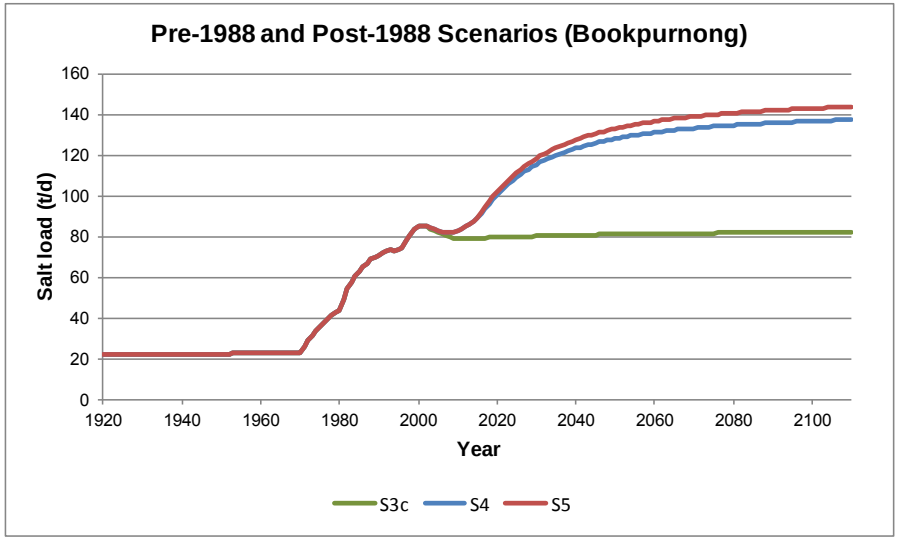
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2016	22.2	22.5	110.7	79.2	91.3	91.8	21.2	18.7	21.3
2017	22.2	22.5	111.0	79.3	93.8	94.5	21.7	18.7	21.7
2018	22.2	22.5	111.4	79.4	96.1	97.1	22.0	18.6	22.2
2019	22.2	22.5	111.7	79.4	98.3	99.5	22.4	18.6	22.6
2020	22.2	22.5	112.0	79.5	100.4	101.7	22.8	18.6	23.0
2021	22.2	22.6	112.2	79.6	102.3	103.9	23.2	18.6	23.3
2022	22.2	22.6	112.5	79.6	104.2	105.9	23.5	18.6	23.7
2023	22.2	22.6	112.7	79.7	105.9	107.8	23.8	18.6	24.1
2024	22.2	22.6	113.0	79.8	107.5	109.5	24.2	18.6	24.4
2025	22.2	22.6	113.2	79.8	109.0	111.2	24.5	18.6	24.7
2026	22.2	22.6	113.4	79.9	110.4	112.8	24.7	18.6	25.0
2027	22.2	22.6	113.6	80.0	111.7	114.3	25.0	18.6	25.3
2028	22.2	22.6	113.8	80.0	112.9	115.7	25.3	18.6	25.6
2029	22.2	22.7	114.0	80.1	114.1	117.0	25.5	18.6	25.9
2030	22.2	22.7	114.2	80.1	115.2	118.2	25.7	18.6	26.1
2031	22.2	22.7	114.4	80.2	116.2	119.4	26.0	18.6	26.4
2032	22.2	22.7	114.6	80.3	117.2	120.5	26.2	18.6	26.6
2033	22.2	22.7	114.8	80.3	118.1	121.5	26.3	18.6	26.8
2034	22.2	22.7	114.9	80.4	119.0	122.5	26.5	18.6	27.0
2035	22.2	22.8	115.1	80.4	119.8	123.4	26.7	18.6	27.2
2036	22.2	22.8	115.2	80.5	120.6	124.3	26.9	18.7	27.4
2037	22.2	22.8	115.4	80.5	121.3	125.1	27.0	18.7	27.5
2038	22.2	22.8	115.5	80.6	122.0	125.9	27.2	18.7	27.7
2039	22.2	22.8	115.7	80.6	122.6	126.7	27.3	18.7	27.8
2040	22.2	22.8	115.8	80.7	123.2	127.4	27.4	18.7	28.0
2041	22.2	22.9	115.9	80.7	123.8	128.0	27.5	18.7	28.1
2042	22.2	22.9	116.1	80.7	124.4	128.7	27.7	18.7	28.3
2043	22.2	22.9	116.2	80.8	124.9	129.3	27.8	18.7	28.4
2044	22.2	22.9	116.3	80.8	125.4	129.9	27.9	18.7	28.5
2045	22.2	22.9	116.4	80.9	125.9	130.5	28.0	18.7	28.6
2046	22.2	23.0	116.6	80.9	126.4	131.0	28.1	18.7	28.7
2047	22.2	23.0	116.7	80.9	126.8	131.5	28.2	18.7	28.8
2048	22.2	23.0	116.8	81.0	127.2	132.0	28.3	18.7	28.9
2049	22.2	23.0	116.9	81.0	127.6	132.4	28.3	18.7	29.0
2050	22.2	23.0	117.0	81.0	128.0	132.9	28.4	18.8	29.1
2051	22.2	23.1	117.1	81.1	128.4	133.3	28.5	18.8	29.2
2052	22.2	23.1	117.2	81.1	128.7	133.7	28.6	18.8	29.3
2053	22.2	23.1	117.3	81.1	129.1	134.1	28.6	18.8	29.4
2054	22.2	23.2	117.4	81.1	129.4	134.5	28.7	18.8	29.4
2055	22.2	23.2	117.5	81.2	129.7	134.9	28.8	18.8	29.5
2056	22.2	23.2	117.6	81.2	130.0	135.2	28.8	18.8	29.6
2057	22.2	23.2	117.7	81.2	130.3	135.5	28.9	18.8	29.6
2058	22.2	23.3	117.8	81.3	130.5	135.8	28.9	18.8	29.7
2059	22.2	23.3	117.8	81.3	130.8	136.1	29.0	18.8	29.8
2060	22.2	23.3	117.9	81.3	131.1	136.4	29.0	18.8	29.8
2061	22.2	23.3	118.0	81.3	131.3	136.7	29.1	18.8	29.9
2062	22.2	23.4	118.1	81.4	131.5	137.0	29.1	18.8	29.9
2063	22.2	23.4	118.2	81.4	131.8	137.3	29.2	18.8	30.0

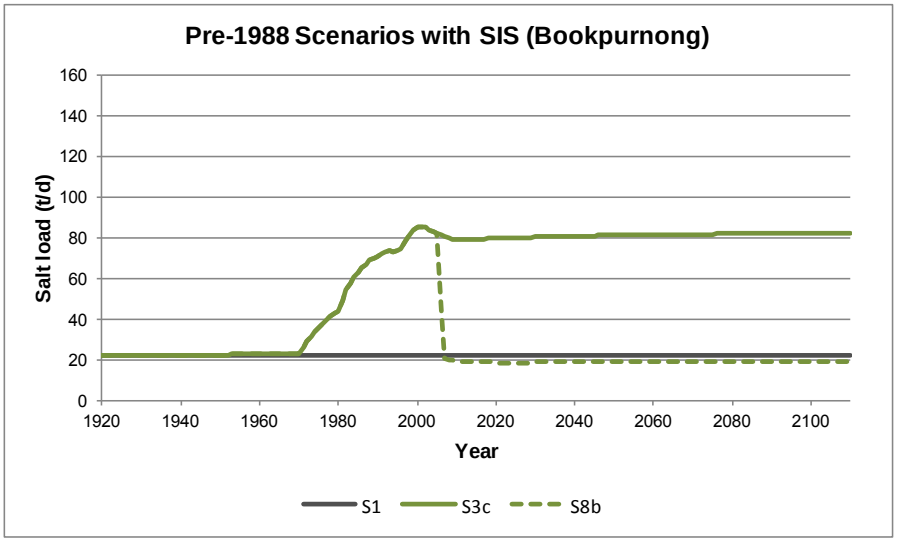
B-1b. Modelled salt load (t/d) entering the River Murray in Bookpurnong for all scenarios (Part3/4)

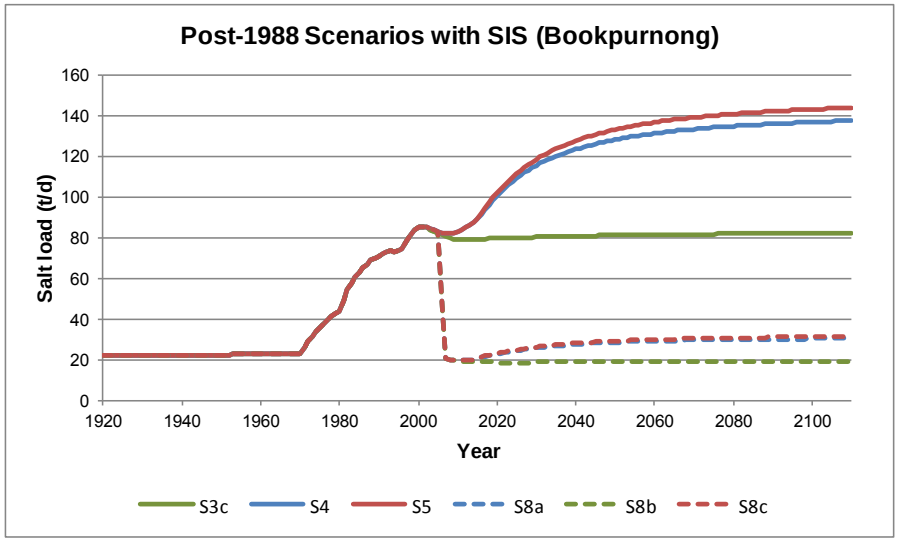
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)	(t/d)
2064	22.2	23.5	118.2	81.4	132.0	137.5	29.2	18.8	30.0
2065	22.2	23.5	118.3	81.4	132.2	137.8	29.3	18.8	30.1
2066	22.2	23.5	118.4	81.4	132.4	138.0	29.3	18.8	30.1
2067	22.2	23.6	118.5	81.5	132.6	138.2	29.4	18.8	30.2
2068	22.2	23.6	118.5	81.5	132.8	138.5	29.4	18.8	30.2
2069	22.2	23.6	118.6	81.5	133.0	138.7	29.4	18.8	30.3
2070	22.2	23.6	118.7	81.5	133.1	138.9	29.5	18.8	30.3
2071	22.2	23.7	118.7	81.6	133.3	139.1	29.5	18.9	30.4
2072	22.2	23.7	118.8	81.6	133.5	139.3	29.5	18.9	30.4
2073	22.2	23.8	118.9	81.6	133.6	139.5	29.6	18.9	30.4
2074	22.2	23.8	118.9	81.6	133.8	139.6	29.6	18.9	30.5
2075	22.2	23.9	119.0	81.6	133.9	139.8	29.6	18.9	30.5
2076	22.2	23.9	119.0	81.6	134.1	140.0	29.7	18.9	30.5
2077	22.2	23.9	119.1	81.7	134.2	140.1	29.7	18.9	30.6
2078	22.2	24.0	119.2	81.7	134.4	140.3	29.7	18.9	30.6
2079	22.2	24.0	119.2	81.7	134.5	140.5	29.7	18.9	30.6
2080	22.2	24.1	119.3	81.7	134.6	140.6	29.8	18.9	30.7
2081	22.2	24.1	119.3	81.7	134.7	140.7	29.8	18.9	30.7
2082	22.2	24.2	119.4	81.7	134.9	140.9	29.8	18.9	30.7
2083	22.2	24.2	119.4	81.8	135.0	141.0	29.8	18.9	30.8
2084	22.2	24.3	119.5	81.8	135.1	141.2	29.9	18.9	30.8
2085	22.2	24.3	119.5	81.8	135.2	141.3	29.9	18.9	30.8
2086	22.2	24.4	119.6	81.8	135.3	141.4	29.9	18.9	30.8
2087	22.2	24.4	119.6	81.8	135.4	141.5	29.9	18.9	30.9
2088	22.2	24.4	119.7	81.8	135.5	141.7	29.9	18.9	30.9
2089	22.2	24.5	119.7	81.8	135.6	141.8	30.0	18.9	30.9
2090	22.2	24.5	119.8	81.9	135.7	141.9	30.0	18.9	30.9
2091	22.2	24.6	119.8	81.9	135.8	142.0	30.0	18.9	31.0
2092	22.2	24.6	119.9	81.9	135.9	142.1	30.0	18.9	31.0
2093	22.2	24.7	119.9	81.9	136.0	142.2	30.0	18.9	31.0
2094	22.2	24.7	119.9	81.9	136.1	142.3	30.1	18.9	31.0
2095	22.2	24.8	120.0	81.9	136.2	142.4	30.1	18.9	31.0
2096	22.2	24.8	120.0	81.9	136.3	142.5	30.1	18.9	31.1
2097	22.2	24.9	120.1	82.0	136.3	142.6	30.1	18.9	31.1
2098	22.2	24.9	120.1	82.0	136.4	142.7	30.1	18.9	31.1
2099	22.2	25.0	120.1	82.0	136.5	142.8	30.1	18.9	31.1
2100	22.2	25.0	120.2	82.0	136.6	142.9	30.2	18.9	31.1
2101	22.2	25.1	120.2	82.0	136.6	142.9	30.2	18.9	31.1
2102	22.2	25.1	120.3	82.0	136.7	143.0	30.2	18.9	31.2
2103	22.2	25.2	120.3	82.0	136.8	143.1	30.2	18.9	31.2
2104	22.2	25.3	120.3	82.0	136.9	143.2	30.2	18.9	31.2
2105	22.2	25.3	120.4	82.1	136.9	143.3	30.2	18.9	31.2
2106	22.2	25.4	120.4	82.1	137.0	143.3	30.2	18.9	31.2
2107	22.2	25.4	120.4	82.1	137.1	143.4	30.3	18.9	31.2
2108	22.2	25.5	120.5	82.1	137.1	143.5	30.3	18.9	31.3
2109	22.2	25.5	120.5	82.1	137.2	143.6	30.3	18.9	31.3
2110	22.2	25.6	120.5	82.1	137.2	143.6	30.3	18.9	31.3
2111	22.2	25.6	120.6	82.1	137.3	143.7	30.3	19.0	31.3

B-1b. Modelled salt load (t/d) entering the River Murray in Bookpurnong for all scenarios (Part4/4)









B-1b. Graphs of modelled salt load (t/d) entering the River Murray in Bookpurnong for all scenarios

B-2 SUMMARY OF FLUX FOR LOXTON AND BOOKPURNONG

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

Scenario	Name	Years simulated	Irrigation development area	IIP[1] & RH[2]	SIS[3]
Calibrated model	Historical irrigation, RH, IIP & SIS	1920-2010	Irrigation history	Yes	Yes
Scenario-1	Natural System (Steady State since 1920)	Steady-state	None	-	-
Scenario-2	Mallee Clearance	1920-2110	None	-	-
Scenario-3a	Irrigation Pre-1988, no IIP, no RH	1988-2110	Pre-1988	No	No
Scenario-3c	Irrigation Pre-1988, with IIP & RH	1988-2110	Pre-1988	Yes	No
Scenario-4	Current irrigation (business as usual)	1988-2110	Pre-1988 + Post-1988	Yes	No
Scenario-5	Current plus future irrigation	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	No
Scenario-8a	Current irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988	Yes	Yes
Scenario-8b	Pre-1988, with IIP & RH plus constructed SIS	1988-2110	Pre-1988	Yes	Yes
Scenario-8c	Current plus future irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP[1] Improved Irrigation Practices
See Glossary for definition

RH[2] Rehabilitation

SIS[3] Salt Interception Scheme

B-2. Model scenario conditions

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
1920	132	132	132	132	132	132	132	132	132
1921	132	132	132	132	132	132	132	132	132
1922	132	132	132	132	132	132	132	132	132
1923	132	132	132	132	132	132	132	132	132
1924	132	132	132	132	132	132	132	132	132
1925	132	132	132	132	132	132	132	132	132
1926	132	132	132	132	132	132	132	132	132
1927	132	132	132	132	132	132	132	132	132
1928	132	132	132	132	132	132	132	132	132
1929	132	132	132	132	132	132	132	132	132
1930	132	132	132	132	132	132	132	132	132
1931	132	132	220	220	220	220	220	220	220
1932	132	132	374	374	374	374	374	374	374
1933	132	132	515	515	515	515	515	515	515
1934	132	132	631	631	631	631	631	631	631
1935	132	132	721	721	721	721	721	721	721
1936	132	132	795	795	795	795	795	795	795
1937	132	132	857	857	857	857	857	857	857
1938	132	132	907	907	907	907	907	907	907
1939	132	132	951	951	951	951	951	951	951
1940	132	132	989	989	989	989	989	989	989
1941	132	132	1023	1023	1023	1023	1023	1023	1023
1942	132	132	1051	1051	1051	1051	1051	1051	1051
1943	132	132	1077	1077	1077	1077	1077	1077	1077
1944	132	132	1100	1100	1100	1100	1100	1100	1100
1945	132	132	1121	1121	1121	1121	1121	1121	1121
1946	132	132	1140	1140	1140	1140	1140	1140	1140
1947	132	132	1158	1158	1158	1158	1158	1158	1158
1948	132	132	1174	1174	1174	1174	1174	1174	1174
1949	132	133	1189	1189	1189	1189	1189	1189	1189
1950	132	133	1202	1202	1202	1202	1202	1202	1202
1951	132	133	1216	1216	1216	1216	1216	1216	1216
1952	132	133	1228	1228	1228	1228	1228	1228	1228
1953	132	133	1239	1239	1239	1239	1239	1239	1239
1954	132	133	1249	1249	1249	1249	1249	1249	1249
1955	132	133	1260	1260	1260	1260	1260	1260	1260
1956	132	133	1270	1270	1270	1270	1270	1270	1270
1957	132	134	1280	1280	1280	1280	1280	1280	1280
1958	132	134	1290	1290	1290	1290	1290	1290	1290
1959	132	134	1300	1300	1300	1300	1300	1300	1300
1960	132	134	1311	1311	1311	1311	1311	1311	1311
1961	132	134	1376	1376	1376	1376	1376	1376	1376
1962	132	134	1535	1535	1535	1535	1535	1535	1535
1963	132	134	1737	1737	1737	1737	1737	1737	1737
1964	132	135	1949	1949	1949	1949	1949	1949	1949
1965	132	135	2154	2154	2154	2154	2154	2154	2154
1966	132	135	2300	2300	2300	2300	2300	2300	2300
1967	132	135	2454	2454	2454	2454	2454	2454	2454

B-2a. Modelled groundwater flux (m^3/d) entering the River Murray in Loxton for all scenarios (Part1/4)

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
1968	132	135	2627	2627	2627	2627	2627	2627	2627
1969	132	136	2807	2807	2807	2807	2807	2807	2807
1970	132	136	2993	2993	2993	2993	2993	2993	2993
1971	132	136	3111	3111	3111	3111	3111	3111	3111
1972	132	136	3237	3237	3237	3237	3237	3237	3237
1973	132	137	3377	3377	3377	3377	3377	3377	3377
1974	132	137	3526	3526	3526	3526	3526	3526	3526
1975	132	137	3677	3677	3677	3677	3677	3677	3677
1976	132	138	3784	3784	3784	3784	3784	3784	3784
1977	132	138	3880	3880	3880	3880	3880	3880	3880
1978	132	138	3978	3978	3978	3978	3978	3978	3978
1979	132	139	4077	4077	4077	4077	4077	4077	4077
1980	132	139	4176	4176	4176	4176	4176	4176	4176
1981	132	139	4239	4239	4239	4239	4239	4239	4239
1982	132	140	4290	4290	4290	4290	4290	4290	4290
1983	132	141	4326	4326	4326	4326	4326	4326	4326
1984	132	141	4367	4367	4367	4367	4367	4367	4367
1985	132	142	4402	4402	4402	4402	4402	4402	4402
1986	132	142	4431	4431	4431	4431	4431	4431	4431
1987	132	143	4459	4459	4459	4459	4459	4459	4459
1988	132	143	4486	4486	4486	4486	4486	4486	4486
1989	132	144	4513	4513	4513	4513	4513	4513	4513
1990	132	144	4541	4539	4539	4539	4539	4539	4539
1991	132	145	4569	4564	4564	4564	4564	4564	4564
1992	132	146	4599	4563	4563	4563	4563	4563	4563
1993	132	147	4628	4554	4554	4554	4554	4554	4554
1994	132	148	4659	4530	4530	4530	4530	4530	4530
1995	132	148	4689	4479	4479	4479	4479	4479	4479
1996	132	149	4720	4423	4423	4423	4423	4423	4423
1997	132	150	4751	4372	4372	4372	4372	4372	4372
1998	132	151	4780	4326	4326	4326	4326	4326	4326
1999	132	152	4811	4267	4267	4267	4267	4267	4267
2000	132	152	4842	4204	4204	4204	4204	4204	4204
2001	132	153	4872	4147	4148	4148	4148	4147	4148
2002	132	154	4901	4081	4082	4082	4082	4081	4082
2003	132	155	4930	4006	4007	4007	4007	4006	4007
2004	132	156	4959	3933	3933	3933	3933	3933	3933
2005	132	157	4988	3864	3865	3865	3865	3864	3865
2006	132	158	5014	3802	3809	3809	3492	3485	3492
2007	132	159	5041	3743	3756	3756	3445	3432	3445
2008	132	160	5066	3686	3710	3710	2019	2007	2019
2009	132	161	5090	3633	3669	3669	1821	1803	1821
2010	132	162	5112	3583	3629	3629	1256	1237	1256
2011	132	164	5133	3538	3593	3593	1092	1074	1092
2012	132	165	5153	3495	3558	3558	1025	1007	1025
2013	132	166	5172	3456	3526	3526	978	959	978
2014	132	167	5190	3421	3497	3497	950	929	950
2015	132	168	5206	3387	3472	3472	931	908	931

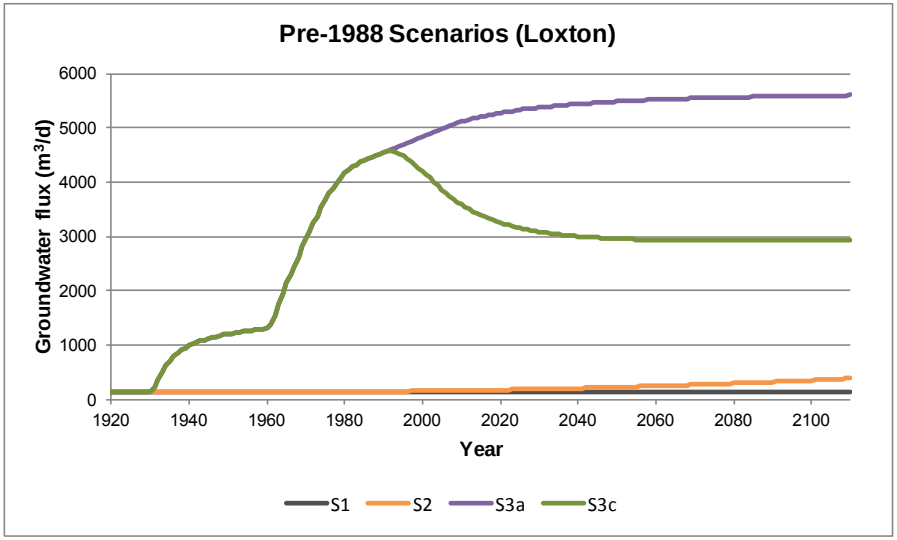
B-2a. Modelled groundwater flux (m^3/d) entering the River Murray in Loxton for all scenarios (Part2/4)

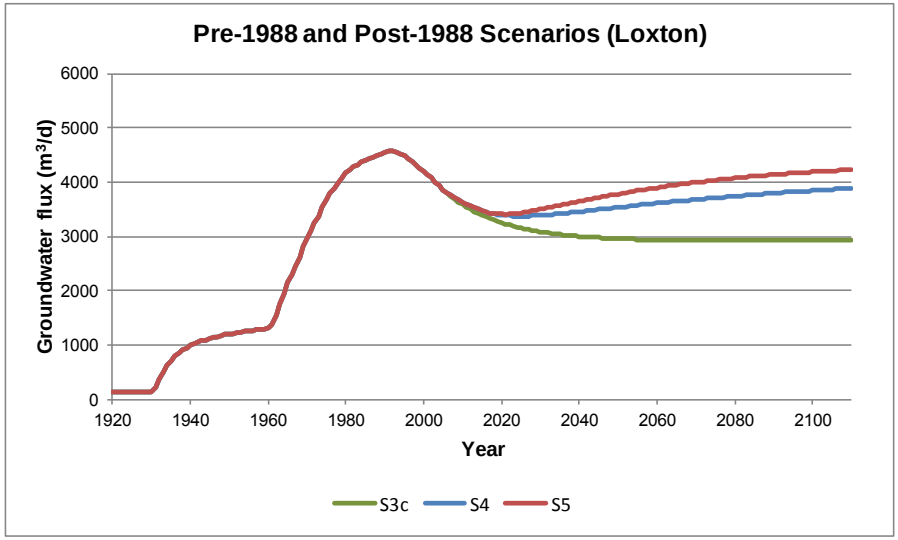
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
2016	132	170	5222	3355	3452	3452	917	891	917
2017	132	171	5236	3326	3434	3435	906	877	906
2018	132	172	5251	3300	3419	3421	897	865	898
2019	132	173	5263	3274	3406	3413	890	855	891
2020	132	174	5276	3251	3396	3408	884	846	887
2021	132	176	5288	3229	3387	3407	879	838	884
2022	132	177	5299	3208	3382	3409	875	830	883
2023	132	179	5310	3189	3378	3415	872	824	882
2024	132	180	5320	3172	3376	3422	870	818	882
2025	132	182	5330	3155	3376	3432	869	812	883
2026	132	183	5339	3140	3376	3442	868	807	885
2027	132	184	5348	3125	3378	3455	867	803	886
2028	132	186	5357	3111	3381	3467	867	799	889
2029	132	187	5365	3099	3385	3481	867	795	891
2030	132	189	5373	3087	3389	3495	867	791	894
2031	132	190	5380	3076	3394	3510	867	788	896
2032	132	192	5387	3065	3400	3525	868	785	899
2033	132	193	5394	3055	3406	3540	869	782	902
2034	132	195	5401	3046	3412	3555	870	779	905
2035	132	197	5408	3038	3419	3570	871	776	908
2036	132	198	5414	3030	3426	3585	872	774	911
2037	132	200	5420	3022	3433	3600	873	772	914
2038	132	201	5426	3015	3440	3615	874	770	917
2039	132	203	5432	3008	3448	3630	876	768	920
2040	132	205	5437	3002	3456	3645	877	766	923
2041	132	207	5443	2996	3463	3659	878	764	926
2042	132	209	5448	2991	3471	3673	880	763	929
2043	132	210	5453	2986	3479	3688	881	761	932
2044	132	212	5457	2981	3487	3702	883	760	935
2045	132	214	5462	2976	3495	3716	885	759	938
2046	132	216	5467	2972	3503	3730	886	757	941
2047	132	218	5471	2968	3511	3743	888	756	943
2048	132	220	5476	2965	3519	3756	889	755	946
2049	132	222	5480	2961	3527	3769	891	754	949
2050	132	224	5484	2958	3534	3782	892	753	952
2051	132	226	5488	2955	3542	3794	894	752	954
2052	132	228	5492	2952	3550	3807	895	751	957
2053	132	230	5495	2950	3558	3818	897	751	959
2054	132	233	5499	2947	3565	3831	899	750	962
2055	132	235	5503	2945	3573	3842	900	749	964
2056	132	237	5506	2943	3581	3853	902	749	966
2057	132	239	5509	2941	3588	3865	903	748	969
2058	132	241	5512	2939	3595	3876	905	747	971
2059	132	243	5515	2937	3603	3886	906	747	973
2060	132	245	5518	2936	3610	3897	908	746	975
2061	132	248	5521	2934	3617	3908	909	746	978
2062	132	250	5524	2933	3625	3918	911	746	980
2063	132	253	5527	2932	3632	3928	912	745	982

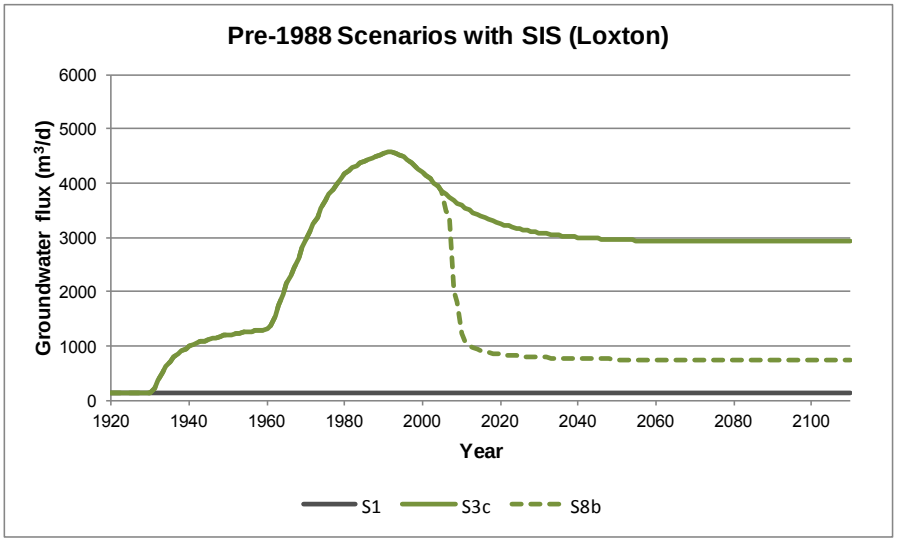
B-2a. Modelled groundwater flux (m^3/d) entering the River Murray in Loxton for all scenarios (Part3/4)

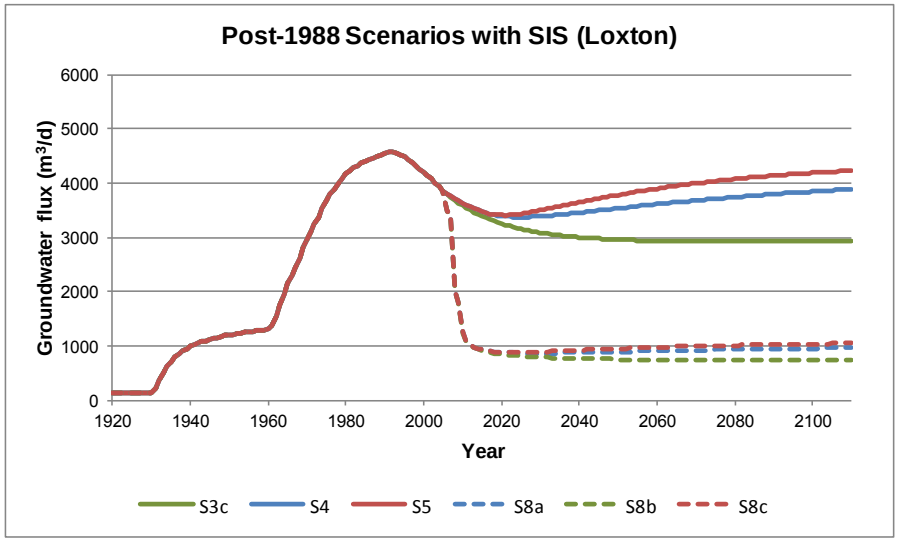
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
2064	132	255	5529	2931	3639	3938	914	745	984
2065	132	257	5532	2930	3646	3947	915	744	986
2066	132	260	5534	2929	3653	3957	916	744	988
2067	132	262	5537	2928	3660	3966	918	744	990
2068	132	264	5539	2927	3666	3975	919	744	992
2069	132	267	5541	2927	3673	3984	921	743	994
2070	132	269	5543	2926	3680	3993	922	743	996
2071	132	272	5545	2926	3686	4002	923	743	998
2072	132	274	5547	2925	3692	4011	925	743	999
2073	132	277	5549	2925	3699	4019	926	742	1001
2074	132	280	5551	2924	3705	4028	927	742	1003
2075	132	282	5553	2924	3711	4036	928	742	1005
2076	132	285	5555	2924	3718	4044	930	742	1006
2077	132	287	5557	2924	3724	4052	931	742	1008
2078	132	290	5559	2924	3730	4059	932	742	1010
2079	132	292	5560	2924	3736	4067	933	742	1011
2080	132	295	5562	2924	3741	4074	935	742	1013
2081	132	298	5564	2924	3747	4081	936	742	1015
2082	132	301	5565	2924	3753	4088	937	741	1016
2083	132	303	5567	2924	3759	4095	938	741	1018
2084	132	306	5568	2924	3764	4102	939	741	1019
2085	132	309	5570	2924	3770	4109	940	741	1021
2086	132	311	5571	2924	3775	4115	941	741	1022
2087	132	314	5573	2924	3780	4121	943	741	1023
2088	132	317	5574	2925	3786	4127	944	741	1025
2089	132	320	5576	2925	3791	4133	945	741	1026
2090	132	322	5577	2925	3796	4139	946	741	1027
2091	132	325	5578	2926	3801	4145	947	741	1029
2092	132	328	5580	2926	3806	4150	948	741	1030
2093	132	331	5581	2926	3811	4155	949	741	1031
2094	132	334	5582	2927	3816	4161	950	741	1032
2095	132	337	5583	2927	3821	4166	951	741	1034
2096	132	340	5585	2928	3826	4171	952	741	1035
2097	132	343	5586	2928	3830	4175	953	741	1036
2098	132	346	5587	2929	3835	4180	954	742	1037
2099	132	349	5588	2929	3840	4184	955	742	1038
2100	132	352	5589	2930	3844	4189	956	742	1039
2101	132	355	5590	2930	3849	4193	957	742	1040
2102	132	358	5591	2931	3853	4197	958	742	1041
2103	132	361	5592	2931	3857	4201	959	742	1042
2104	132	364	5593	2932	3862	4205	960	742	1043
2105	132	368	5594	2933	3866	4209	960	742	1044
2106	132	371	5595	2933	3870	4213	961	742	1045
2107	132	374	5596	2934	3875	4216	962	742	1045
2108	132	377	5597	2934	3879	4220	963	742	1046
2109	132	381	5598	2935	3883	4223	964	742	1047
2110	132	384	5599	2936	3887	4227	965	743	1048
2111	132	387	5600	2936	3891	4230	966	743	1049

B-2a. Modelled groundwater flux (m^3/d) entering the River Murray in Loxton for all scenarios (Part4/4)









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

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
1920	977	977	977	977	977	977	977	977	977
1921	977	977	977	977	977	977	977	977	977
1922	977	977	977	977	977	977	977	977	977
1923	977	977	977	977	977	977	977	977	977
1924	977	977	977	977	977	977	977	977	977
1925	977	977	977	977	977	977	977	977	977
1926	977	977	977	977	977	977	977	977	977
1927	977	977	977	977	977	977	977	977	977
1928	977	977	977	977	977	977	977	977	977
1929	977	977	977	977	977	977	977	977	977
1930	977	977	977	977	977	977	977	977	977
1931	977	977	977	977	977	977	977	977	977
1932	977	977	977	977	977	977	977	977	977
1933	977	977	978	978	978	978	978	978	978
1934	977	977	978	978	978	978	978	978	978
1935	977	978	978	978	978	978	978	978	978
1936	977	978	978	978	978	978	978	978	978
1937	977	978	979	979	979	979	979	979	979
1938	977	978	979	979	979	979	979	979	979
1939	977	978	979	979	979	979	979	979	979
1940	977	978	980	980	980	980	980	980	980
1941	977	978	980	980	980	980	980	980	980
1942	977	979	980	980	980	980	980	980	980
1943	977	979	981	981	981	981	981	981	981
1944	977	979	981	981	981	981	981	981	981
1945	977	979	982	982	982	982	982	982	982
1946	977	979	982	982	982	982	982	982	982
1947	977	979	982	982	982	982	982	982	982
1948	977	979	983	983	983	983	983	983	983
1949	977	979	983	983	983	983	983	983	983
1950	977	979	983	983	983	983	983	983	983
1951	977	980	984	984	984	984	984	984	984
1952	977	980	984	984	984	984	984	984	984
1953	977	980	985	985	985	985	985	985	985
1954	977	980	985	985	985	985	985	985	985
1955	977	980	985	985	985	985	985	985	985
1956	977	980	986	986	986	986	986	986	986
1957	977	980	986	986	986	986	986	986	986
1958	977	980	987	987	987	987	987	987	987
1959	977	980	987	987	987	987	987	987	987
1960	977	980	988	988	988	988	988	988	988
1961	977	981	989	989	989	989	989	989	989
1962	977	981	989	989	989	989	989	989	989
1963	977	981	991	991	991	991	991	991	991
1964	977	981	992	992	992	992	992	992	992
1965	977	981	994	994	994	994	994	994	994
1966	977	981	996	996	996	996	996	996	996
1967	977	981	998	998	998	998	998	998	998

B-2b. Modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong for all scenarios (Part1/4)

Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
1968	977	981	1001	1001	1001	1001	1001	1001	1001
1969	977	981	1003	1003	1003	1003	1003	1003	1003
1970	977	981	1007	1007	1007	1007	1007	1007	1007
1971	977	981	1112	1112	1112	1112	1112	1112	1112
1972	977	981	1198	1198	1198	1198	1198	1198	1198
1973	977	982	1288	1288	1288	1288	1288	1288	1288
1974	977	982	1372	1372	1372	1372	1372	1372	1372
1975	977	982	1446	1446	1446	1446	1446	1446	1446
1976	977	982	1510	1510	1510	1510	1510	1510	1510
1977	977	982	1574	1574	1574	1574	1574	1574	1574
1978	977	982	1629	1629	1629	1629	1629	1629	1629
1979	977	982	1674	1674	1674	1674	1674	1674	1674
1980	977	982	1712	1712	1712	1712	1712	1712	1712
1981	977	982	1894	1894	1894	1894	1894	1894	1895
1982	977	982	2069	2069	2069	2069	2069	2069	2069
1983	977	982	2182	2182	2182	2182	2182	2182	2182
1984	977	982	2282	2282	2282	2282	2282	2282	2282
1985	977	982	2365	2365	2365	2365	2366	2365	2365
1986	977	982	2437	2437	2437	2437	2437	2437	2437
1987	977	983	2516	2516	2516	2516	2516	2516	2516
1988	977	983	2585	2585	2585	2585	2585	2585	2585
1989	977	983	2633	2633	2633	2633	2633	2633	2633
1990	977	983	2676	2648	2648	2648	2648	2648	2648
1991	977	983	2745	2700	2700	2700	2700	2700	2700
1992	977	983	2827	2730	2730	2730	2730	2730	2730
1993	977	983	2891	2754	2754	2754	2754	2754	2754
1994	977	984	2949	2752	2752	2752	2752	2752	2752
1995	977	984	3010	2776	2776	2776	2776	2776	2776
1996	977	984	3056	2799	2799	2799	2799	2799	2799
1997	977	984	3167	2900	2900	2900	2900	2900	2900
1998	977	984	3264	2970	2970	2970	2970	2970	2970
1999	977	984	3413	3088	3088	3088	3088	3088	3088
2000	977	984	3509	3124	3124	3124	3124	3124	3124
2001	977	985	3583	3132	3133	3133	3133	3132	3133
2002	977	985	3642	3110	3113	3113	3114	3110	3114
2003	977	985	3690	3074	3083	3083	3083	3074	3083
2004	977	985	3731	3031	3047	3047	3047	3031	3047
2005	977	985	3767	2993	3019	3019	3019	2993	3019
2006	977	986	3796	2951	2989	2989	1805	1798	1805
2007	977	986	3823	2919	2975	2975	781	777	781
2008	977	986	3846	2895	2976	2976	768	763	768
2009	977	986	3866	2883	2985	2985	761	754	761
2010	977	986	3885	2878	3000	3000	757	747	757
2011	977	987	3901	2876	3019	3019	755	743	755
2012	977	987	3916	2876	3059	3059	757	739	757
2013	977	988	3931	2878	3100	3100	761	736	761
2014	977	988	3944	2879	3143	3143	767	734	767
2015	977	988	3956	2880	3204	3204	780	733	780

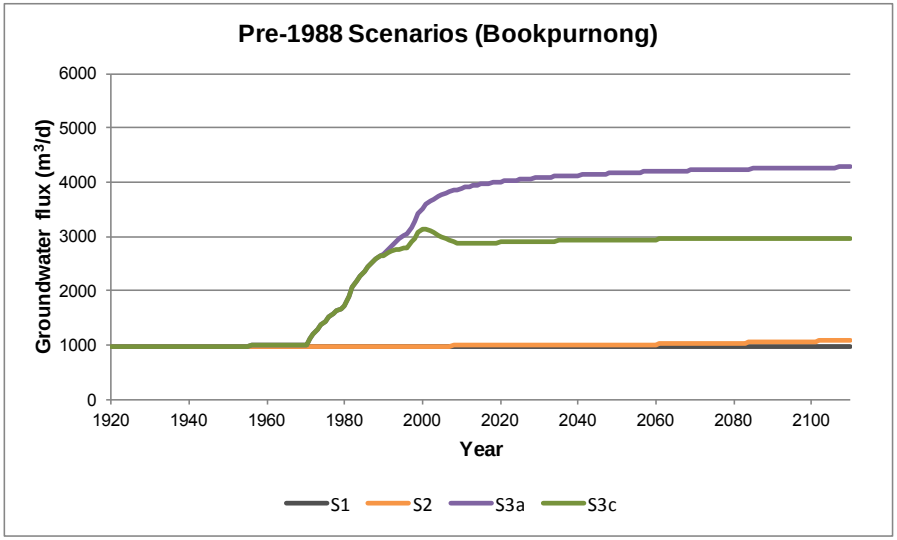
B-2b. Modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong for all scenarios (Part2/4)

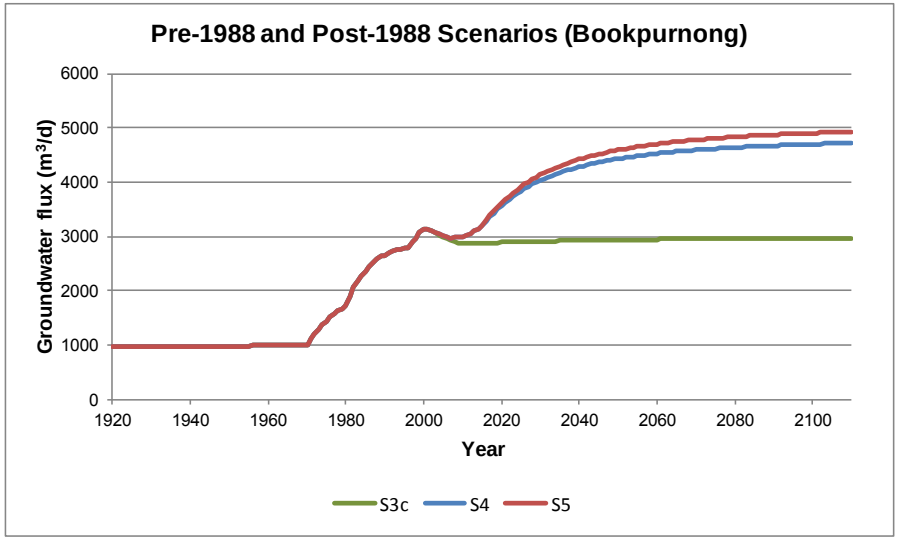
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
2016	977	988	3967	2882	3279	3296	796	731	797
2017	977	988	3978	2884	3357	3385	806	731	808
2018	977	989	3988	2885	3431	3467	816	730	819
2019	977	989	3997	2888	3501	3543	825	729	829
2020	977	989	4007	2890	3565	3615	835	729	839
2021	977	990	4015	2892	3627	3682	844	729	849
2022	977	990	4023	2894	3684	3745	853	729	858
2023	977	991	4031	2896	3738	3804	861	729	867
2024	977	991	4039	2898	3787	3859	869	729	875
2025	977	992	4046	2900	3834	3912	876	729	884
2026	977	992	4053	2902	3878	3961	884	729	891
2027	977	992	4059	2904	3920	4008	890	729	899
2028	977	992	4066	2906	3959	4051	897	729	906
2029	977	993	4072	2908	3996	4092	903	729	912
2030	977	993	4078	2910	4030	4131	909	729	918
2031	977	994	4084	2912	4062	4167	914	730	924
2032	977	995	4089	2913	4093	4202	919	730	930
2033	977	995	4094	2915	4121	4234	924	730	935
2034	977	996	4100	2917	4148	4265	928	730	940
2035	977	996	4105	2918	4173	4294	933	730	945
2036	977	997	4110	2920	4198	4321	937	731	949
2037	977	997	4114	2921	4220	4347	941	731	953
2038	977	998	4119	2923	4242	4372	944	731	958
2039	977	998	4123	2924	4262	4395	948	731	961
2040	977	998	4128	2926	4281	4418	951	731	965
2041	977	999	4132	2927	4300	4439	954	732	968
2042	977	1000	4136	2928	4317	4459	957	732	972
2043	977	1001	4140	2929	4334	4478	960	732	975
2044	977	1002	4144	2931	4350	4497	962	732	978
2045	977	1002	4148	2932	4365	4514	965	732	981
2046	977	1003	4151	2933	4379	4531	967	732	983
2047	977	1004	4155	2934	4393	4547	970	733	986
2048	977	1004	4158	2935	4406	4562	972	733	989
2049	977	1005	4162	2936	4419	4577	974	733	991
2050	977	1005	4165	2937	4430	4590	976	733	993
2051	977	1007	4168	2938	4442	4604	978	733	995
2052	977	1008	4171	2939	4453	4617	980	733	997
2053	977	1009	4174	2940	4463	4629	981	734	999
2054	977	1010	4177	2941	4473	4641	983	734	1001
2055	977	1010	4180	2942	4483	4652	985	734	1003
2056	977	1011	4183	2943	4492	4663	986	734	1005
2057	977	1012	4186	2944	4501	4673	988	734	1007
2058	977	1013	4189	2944	4510	4683	989	734	1008
2059	977	1014	4191	2945	4518	4693	990	734	1010
2060	977	1014	4194	2946	4526	4702	992	734	1011
2061	977	1016	4197	2947	4534	4711	993	735	1013
2062	977	1017	4199	2948	4541	4719	994	735	1014
2063	977	1018	4202	2948	4548	4728	995	735	1016

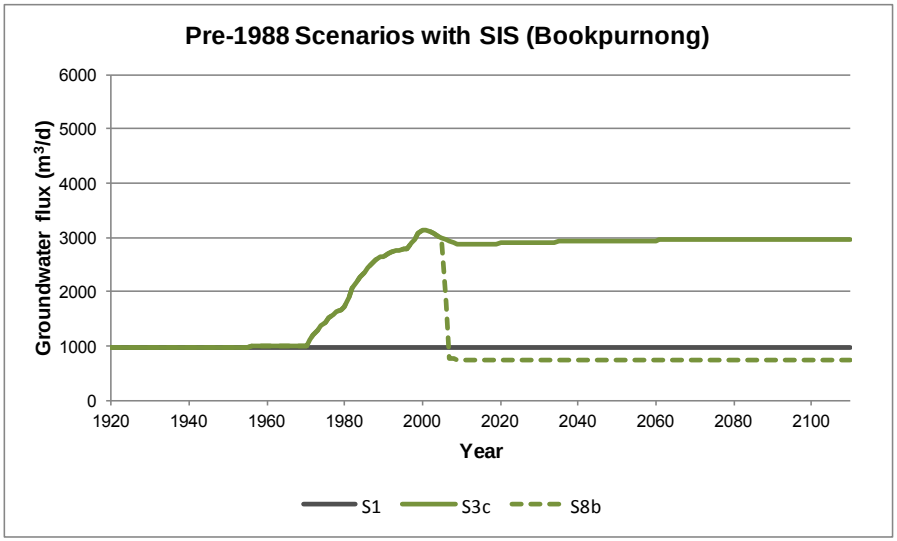
B-2b. Modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong for all scenarios (Part3/4)

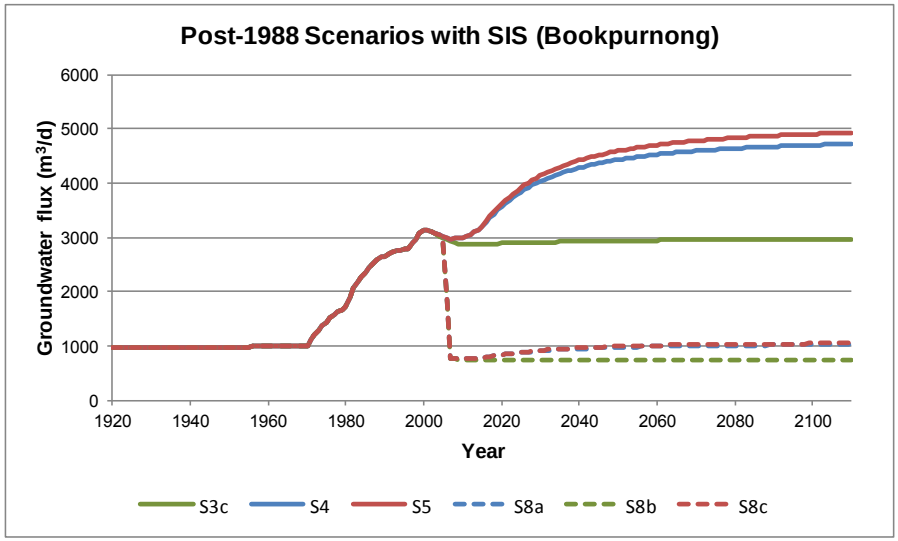
Time	S-1	S-2	S-3a	S-3c	S-4	S-5	S-8a	S-8b	S-8c
(y)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)	(m^3/d)
2064	977	1019	4204	2949	4555	4736	996	735	1017
2065	977	1020	4206	2950	4561	4743	998	735	1018
2066	977	1021	4209	2950	4568	4751	999	735	1019
2067	977	1022	4211	2951	4574	4758	1000	735	1020
2068	977	1023	4213	2952	4580	4765	1001	735	1022
2069	977	1024	4215	2952	4586	4771	1001	735	1023
2070	977	1025	4217	2953	4591	4778	1002	735	1024
2071	977	1027	4219	2954	4596	4784	1003	736	1025
2072	977	1028	4221	2954	4602	4790	1004	736	1026
2073	977	1030	4223	2955	4607	4796	1005	736	1027
2074	977	1031	4225	2955	4611	4802	1006	736	1028
2075	977	1032	4227	2956	4616	4807	1006	736	1029
2076	977	1034	4229	2956	4621	4813	1007	736	1029
2077	977	1035	4231	2957	4625	4818	1008	736	1030
2078	977	1036	4233	2958	4629	4823	1009	736	1031
2079	977	1037	4235	2958	4634	4827	1009	736	1032
2080	977	1038	4236	2959	4638	4832	1010	736	1033
2081	977	1040	4238	2959	4642	4837	1011	736	1033
2082	977	1042	4240	2960	4645	4841	1011	736	1034
2083	977	1043	4241	2960	4649	4845	1012	736	1035
2084	977	1045	4243	2961	4653	4850	1012	737	1036
2085	977	1046	4244	2961	4656	4854	1013	737	1036
2086	977	1048	4246	2962	4659	4858	1013	737	1037
2087	977	1049	4247	2962	4663	4861	1014	737	1037
2088	977	1051	4249	2963	4666	4865	1014	737	1038
2089	977	1052	4250	2963	4669	4869	1015	737	1039
2090	977	1053	4252	2963	4672	4872	1015	737	1039
2091	977	1055	4253	2964	4675	4876	1016	737	1040
2092	977	1057	4255	2964	4678	4879	1016	737	1040
2093	977	1058	4256	2965	4681	4882	1017	737	1041
2094	977	1060	4257	2965	4684	4885	1017	737	1041
2095	977	1062	4259	2965	4686	4888	1018	737	1042
2096	977	1063	4260	2966	4689	4891	1018	737	1042
2097	977	1065	4261	2966	4692	4894	1019	737	1043
2098	977	1066	4262	2967	4694	4897	1019	737	1043
2099	977	1068	4264	2967	4697	4900	1019	737	1044
2100	977	1069	4265	2967	4699	4903	1020	738	1044
2101	977	1071	4266	2968	4701	4905	1020	738	1045
2102	977	1073	4267	2968	4704	4908	1020	738	1045
2103	977	1074	4268	2969	4706	4911	1021	738	1046
2104	977	1076	4270	2969	4708	4913	1021	738	1046
2105	977	1078	4271	2969	4710	4915	1022	738	1046
2106	977	1080	4272	2970	4712	4918	1022	738	1047
2107	977	1081	4273	2970	4714	4920	1022	738	1047
2108	977	1083	4274	2970	4716	4922	1023	738	1048
2109	977	1084	4275	2971	4718	4925	1023	738	1048
2110	977	1086	4276	2971	4720	4927	1023	738	1048
2111	977	1088	4277	2971	4722	4929	1023	738	1049

B-2b. Modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong for all scenarios (Part4/4)









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

B-3 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN LOXTON

- 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

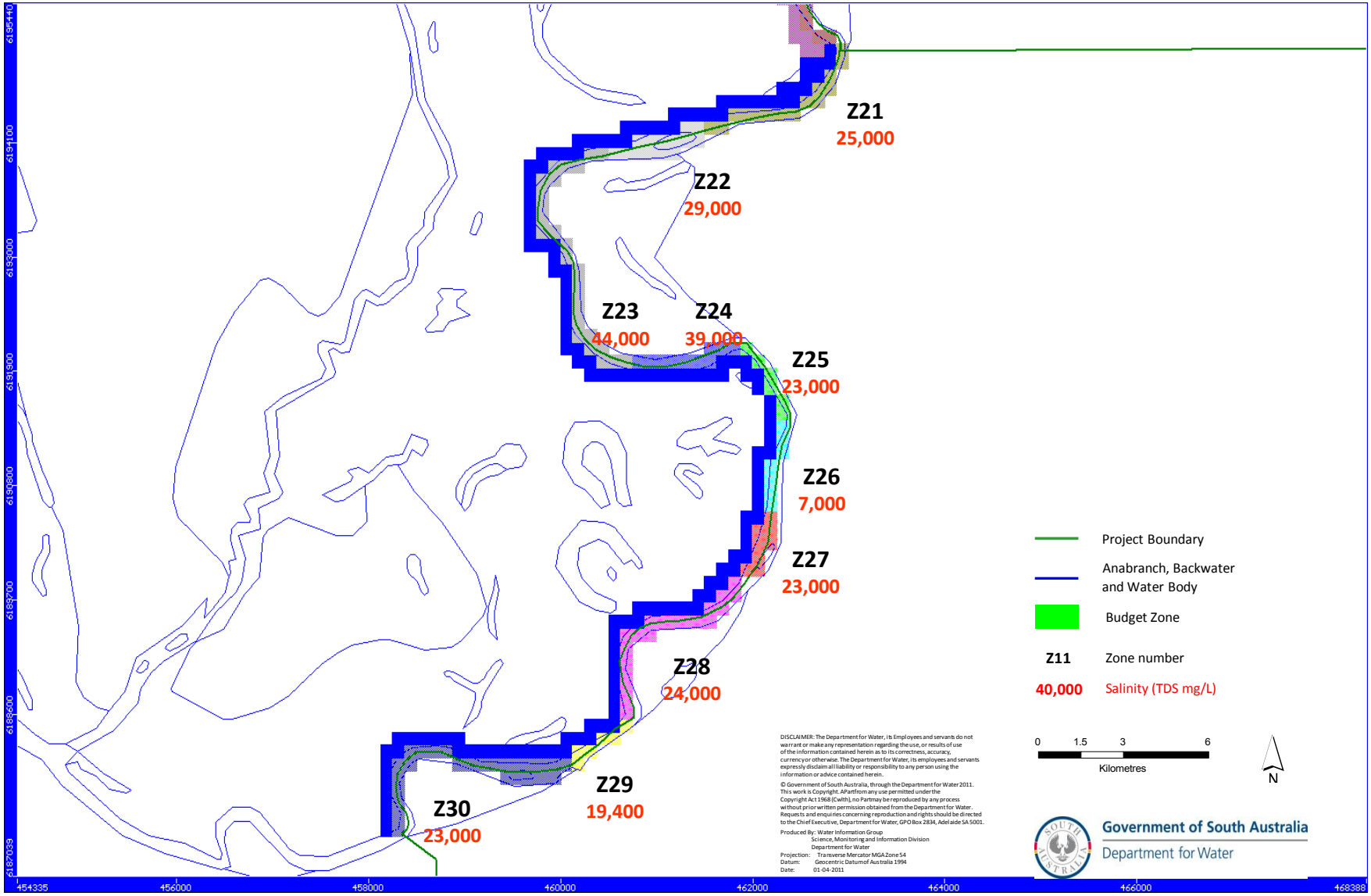
Scenario	Name	Years simulated	Irrigation development area	IIP[1] & RH[2]	SIS[3]
Calibrated model	Historical irrigation, RH, IIP & SIS	1920-2010	Irrigation history	Yes	Yes
Scenario-1	Natural System (Steady State since 1920)	Steady-state	None	-	-
Scenario-2	Mallee Clearance	1920-2110	None	-	-
Scenario-3a	Irrigation Pre-1988, no IIP, no RH	1988-2110	Pre-1988	No	No
Scenario-3c	Irrigation Pre-1988, with IIP & RH	1988-2110	Pre-1988	Yes	No
Scenario-4	Current irrigation (business as usual)	1988-2110	Pre-1988 + Post-1988	Yes	No
Scenario-5	Current plus future irrigation	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	No
Scenario-8a	Current irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988	Yes	Yes
Scenario-8b	Pre-1988, with IIP & RH plus constructed SIS	1988-2110	Pre-1988	Yes	Yes
Scenario-8c	Current plus future irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP[1] Improved Irrigation Practices
See Glossary for definition

RH[2] Rehabilitation

SIS[3] Salt Interception Scheme

B-3. Model scenario conditions



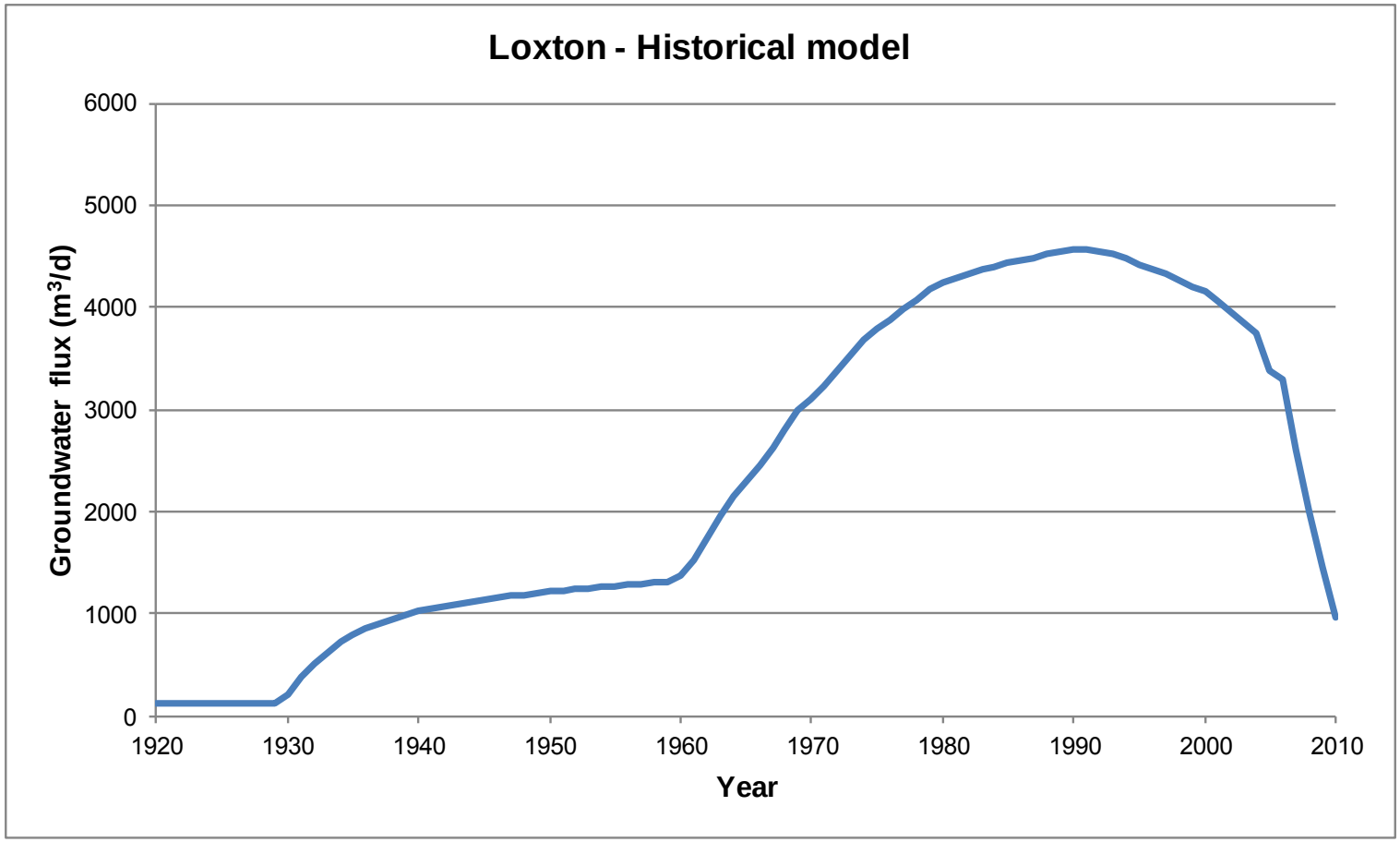
B-3. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Loxton area

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154

B-3a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Historical model) (Part1/2)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	825	1285	424	188	105	4148
29586	29951	2001	2002	310	108	0	66	803	803	1260	418	190	107	4065
29951	30316	2002	2003	301	103	0	64	783	776	1225	408	191	109	3960
30316	30681	2003	2004	294	100	0	62	761	745	1186	398	192	111	3849
30681	31047	2004	2005	288	98	0	60	742	720	1149	387	192	113	3748
31047	31412	2005	2006	272	99	0	61	721	445	1101	374	192	114	3377
31412	31777	2006	2007	261	95	0	60	706	433	1066	360	191	115	3286
31777	32142	2007	2008	223	0	0	22	685	417	926	38	180	116	2607
32142	32508	2008	2009	215	0	0	18	664	396	556	0	134	23	2006
32508	32873	2009	2010	207	0	0	16	383	287	510	0	43	5	1451
32873	33238	2010	2011	198	0	0	12	204	221	274	0	50	15	975

B-3a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Historical model) (Part2/2)



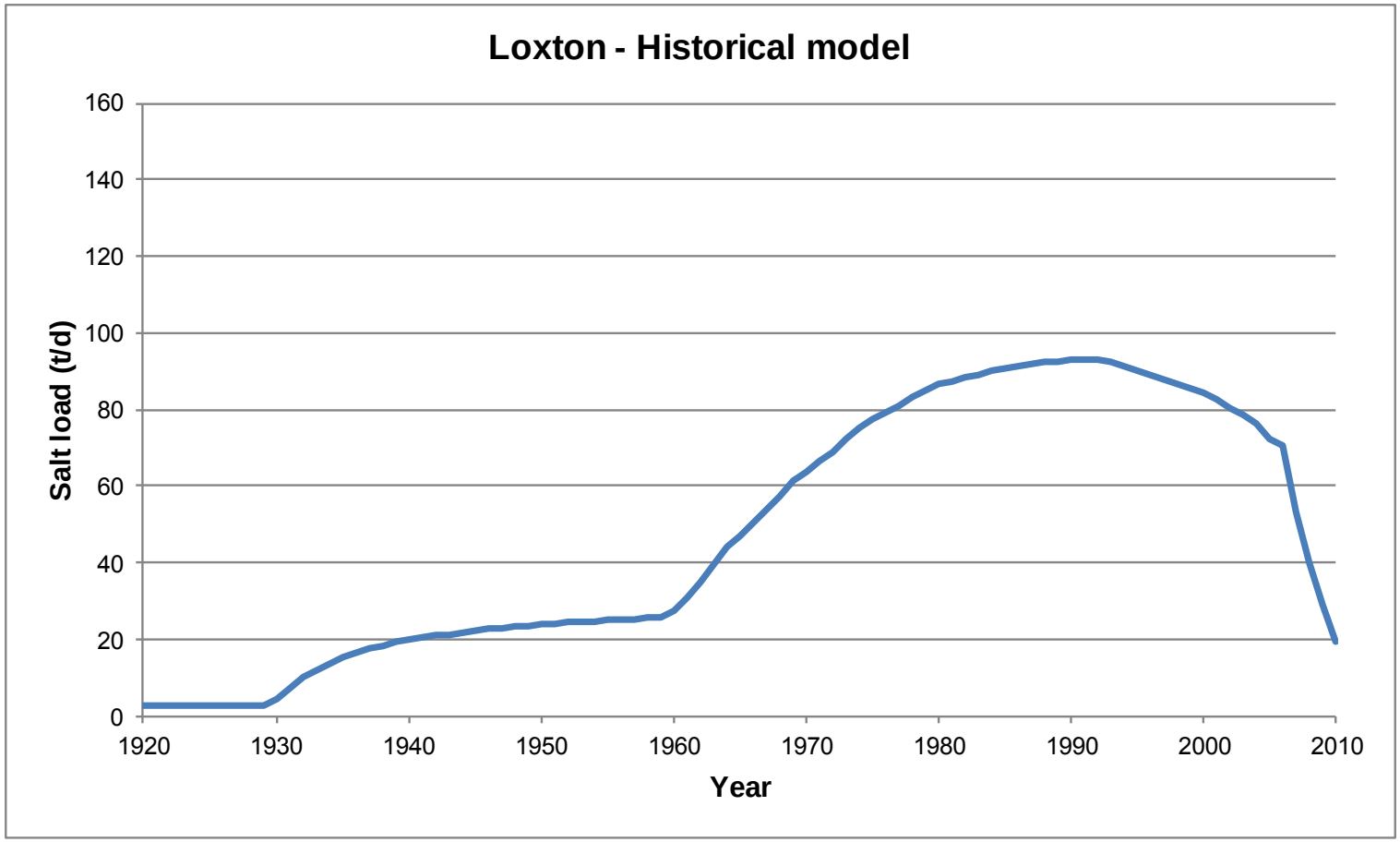
B-3a (Historical model). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Loxton (Historical model)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Historical model) (Part1/2)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.8	3.1	0.0	2.6	18.5	5.6	29.0	10.0	3.7	2.5	82.7
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.0	5.4	28.2	9.8	3.7	2.5	80.6
30316	30681	2003	2004	7.3	2.9	0.0	2.4	17.5	5.2	27.3	9.6	3.7	2.6	78.5
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.1	5.0	26.4	9.3	3.7	2.6	76.5
31047	31412	2005	2006	6.8	2.9	0.0	2.4	16.6	3.1	25.3	9.0	3.7	2.6	72.4
31412	31777	2006	2007	6.5	2.8	0.0	2.3	16.2	3.0	24.5	8.6	3.7	2.7	70.4
31777	32142	2007	2008	5.6	0.0	0.0	0.8	15.8	2.9	21.3	0.9	3.5	2.7	53.5
32142	32508	2008	2009	5.4	0.0	0.0	0.7	15.3	2.8	12.8	0.0	2.6	0.5	40.0
32508	32873	2009	2010	5.2	0.0	0.0	0.6	8.8	2.0	11.7	0.0	0.8	0.1	29.3
32873	33238	2010	2011	5.0	0.0	0.0	0.5	4.7	1.5	6.3	0.0	1.0	0.3	19.3
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Historical model) (Part2/2)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	5	0	0	0	31	8	56	7	7	17	132
4018	4383	1931	1932	5	0	0	0	31	8	56	7	7	17	132
4383	4749	1932	1933	5	0	0	0	31	8	56	7	7	17	132
4749	5114	1933	1934	5	0	0	0	31	8	56	7	7	17	132
5114	5479	1934	1935	5	0	0	0	31	8	56	7	7	17	132
5479	5844	1935	1936	5	0	0	0	31	8	56	7	7	17	132
5844	6210	1936	1937	5	0	0	0	31	8	56	7	7	17	132
6210	6575	1937	1938	5	0	0	0	31	8	56	7	7	17	132
6575	6940	1938	1939	5	0	0	0	31	8	56	7	7	17	132
6940	7305	1939	1940	5	0	0	0	31	8	56	7	7	17	132
7305	7671	1940	1941	5	0	0	0	31	8	56	7	7	17	132
7671	8036	1941	1942	5	0	0	0	31	8	56	7	7	17	132
8036	8401	1942	1943	5	0	0	0	31	8	56	7	7	17	132
8401	8766	1943	1944	5	0	0	0	31	8	56	7	7	17	132
8766	9132	1944	1945	5	0	0	0	31	8	56	7	7	17	132
9132	9497	1945	1946	5	0	0	0	31	8	56	7	7	17	132
9497	9862	1946	1947	5	0	0	0	31	8	56	7	7	17	132
9862	10227	1947	1948	5	0	0	0	31	8	56	7	7	17	132
10227	10593	1948	1949	5	0	0	0	31	8	56	7	7	17	133
10593	10958	1949	1950	5	0	0	0	31	8	56	7	7	17	133
10958	11323	1950	1951	6	0	0	0	31	8	56	7	7	17	133
11323	11688	1951	1952	6	0	0	0	31	8	56	7	7	17	133
11688	12054	1952	1953	6	0	0	0	31	8	56	7	7	17	133
12054	12419	1953	1954	6	0	0	0	31	8	56	7	7	17	133
12419	12784	1954	1955	6	0	0	0	31	8	57	8	7	17	133
12784	13149	1955	1956	6	0	0	0	31	8	57	8	7	17	133
13149	13515	1956	1957	6	0	0	0	31	8	57	8	7	17	134
13515	13880	1957	1958	6	0	0	0	31	8	57	8	8	17	134
13880	14245	1958	1959	6	0	0	0	31	8	57	8	8	17	134
14245	14610	1959	1960	6	0	0	0	31	8	57	8	8	17	134
14610	14976	1960	1961	6	0	0	0	31	8	57	8	8	17	134
14976	15341	1961	1962	6	0	0	0	31	8	57	8	8	18	134
15341	15706	1962	1963	6	0	0	0	31	8	57	8	8	18	134
15706	16071	1963	1964	6	0	0	0	31	8	57	8	8	18	135
16071	16437	1964	1965	6	0	0	0	31	8	57	8	8	18	135
16437	16802	1965	1966	6	0	0	0	31	8	57	8	8	18	135
16802	17167	1966	1967	6	0	0	0	31	8	57	8	8	18	135

B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	6	0	0	0	31	8	57	8	8	18	135
17532	17898	1968	1969	6	0	0	0	31	8	57	8	8	18	136
17898	18263	1969	1970	6	0	0	0	31	8	58	8	8	18	136
18263	18628	1970	1971	6	0	0	0	31	8	58	8	8	18	136
18628	18993	1971	1972	6	0	0	0	31	8	58	8	8	18	136
18993	19359	1972	1973	6	0	0	0	31	8	58	8	8	18	137
19359	19724	1973	1974	6	0	0	0	31	8	58	8	8	18	137
19724	20089	1974	1975	6	0	0	0	31	9	58	8	8	18	137
20089	20454	1975	1976	6	0	0	0	32	9	58	8	8	18	138
20454	20820	1976	1977	6	0	0	0	32	9	59	8	8	18	138
20820	21185	1977	1978	6	0	0	0	32	9	59	8	8	18	138
21185	21550	1978	1979	6	0	0	0	32	9	59	8	8	18	139
21550	21915	1979	1980	6	0	0	0	32	9	59	8	8	18	139
21915	22281	1980	1981	6	0	0	0	32	9	59	8	8	18	139
22281	22646	1981	1982	6	0	0	0	32	9	59	8	8	18	140
22646	23011	1982	1983	6	0	0	0	32	9	60	8	8	18	141
23011	23376	1983	1984	6	0	0	0	32	9	60	8	8	18	141
23376	23742	1984	1985	6	0	0	0	32	9	60	8	8	18	142
23742	24107	1985	1986	6	0	0	0	32	9	60	8	8	18	142
24107	24472	1986	1987	6	0	0	0	32	9	61	8	8	18	143
24472	24837	1987	1988	6	0	0	0	33	9	61	9	8	18	143
24837	25203	1988	1989	6	0	0	0	33	9	61	9	8	18	144
25203	25568	1989	1990	6	0	0	0	33	9	61	9	8	18	144
25568	25933	1990	1991	6	0	0	0	33	10	62	9	8	18	145
25933	26298	1991	1992	6	0	0	0	33	10	62	9	8	18	146
26298	26664	1992	1993	6	0	0	0	33	10	62	9	8	18	147
26664	27029	1993	1994	6	0	0	0	33	10	63	9	8	18	148
27029	27394	1994	1995	6	0	0	0	33	10	63	9	8	18	148
27394	27759	1995	1996	6	0	0	0	34	10	63	9	8	19	149
27759	28125	1996	1997	6	0	0	0	34	10	64	9	8	19	150
28125	28490	1997	1998	6	0	0	0	34	10	64	9	8	19	151
28490	28855	1998	1999	6	0	0	0	34	10	64	9	8	19	152
28855	29220	1999	2000	6	0	0	0	34	11	65	9	8	19	152
29220	29586	2000	2001	6	0	0	0	34	11	65	10	9	19	153
29586	29951	2001	2002	7	0	0	0	35	11	65	10	9	19	154
29951	30316	2002	2003	7	0	0	0	35	11	66	10	9	19	155
30316	30681	2003	2004	7	0	0	0	35	11	66	10	9	19	156
30681	31047	2004	2005	7	0	0	0	35	11	66	10	9	19	157
31047	31412	2005	2006	7	0	0	0	35	11	67	10	9	19	158
31412	31777	2006	2007	7	0	0	0	36	11	67	10	9	19	159
31777	32142	2007	2008	7	0	0	0	36	12	67	10	9	20	160
32142	32508	2008	2009	7	0	0	0	36	12	68	10	9	20	161
32508	32873	2009	2010	7	0	0	0	36	12	68	10	9	20	162
32873	33238	2010	2011	7	0	0	0	36	12	69	10	9	20	164
33238	33603	2011	2012	7	0	0	0	37	12	69	11	9	20	165
33603	33969	2012	2013	7	0	0	0	37	12	69	11	9	20	166
33969	34334	2013	2014	7	0	0	0	37	13	70	11	10	20	167
34334	34699	2014	2015	7	0	0	0	37	13	70	11	10	20	168

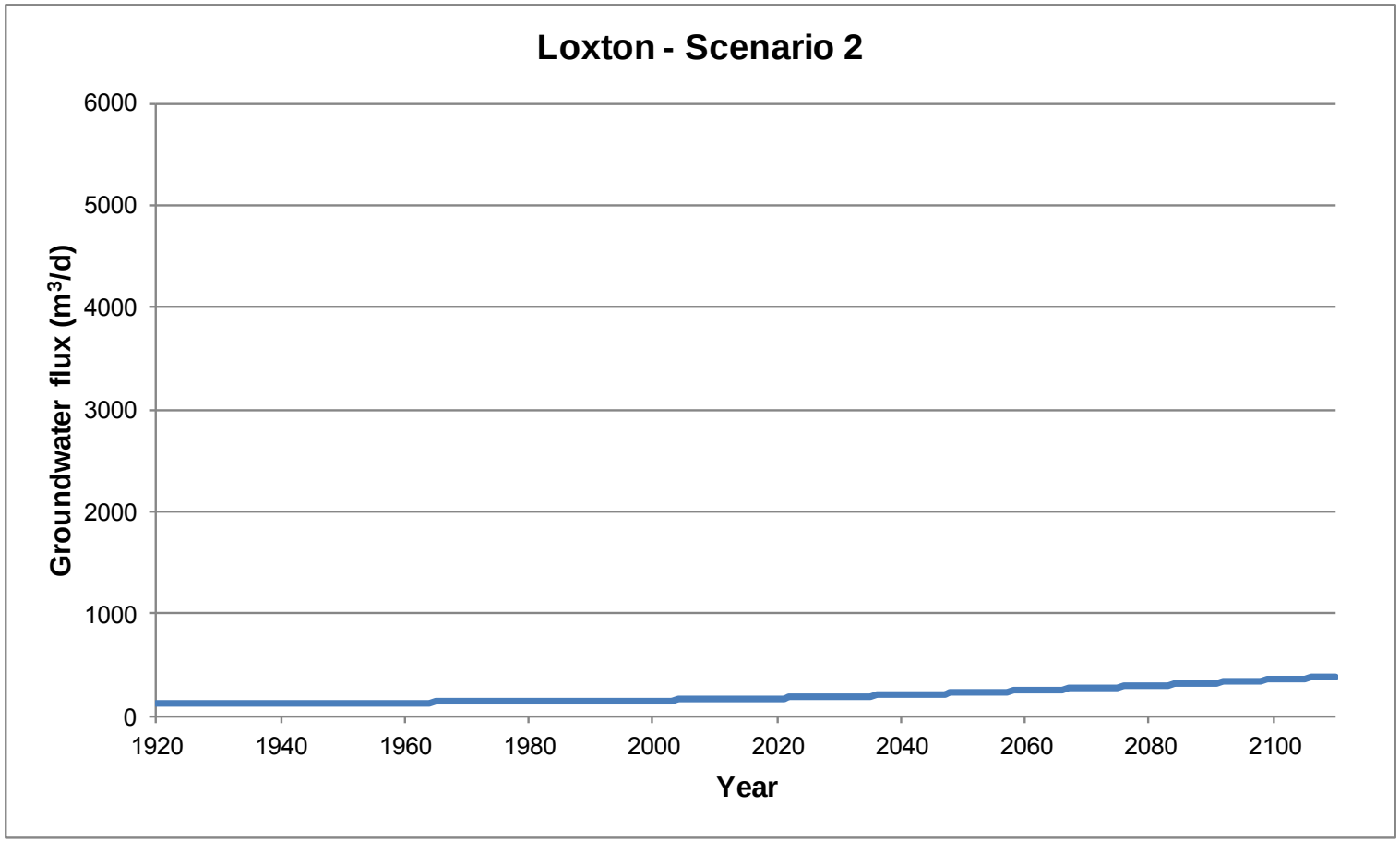
B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	7	0	0	0	38	13	71	11	10	20	170
35064	35430	2016	2017	7	0	0	0	38	13	71	11	10	20	171
35430	35795	2017	2018	7	0	0	0	38	13	71	12	10	21	172
35795	36160	2018	2019	7	0	0	0	38	13	72	12	10	21	173
36160	36525	2019	2020	7	0	0	0	39	14	72	12	10	21	174
36525	36891	2020	2021	7	0	0	0	39	14	73	12	10	21	176
36891	37256	2021	2022	7	0	0	0	39	14	73	12	10	21	177
37256	37621	2022	2023	8	0	0	0	39	14	74	12	10	21	179
37621	37986	2023	2024	8	0	0	0	40	14	74	13	10	21	180
37986	38352	2024	2025	8	0	0	0	40	14	74	13	11	21	182
38352	38717	2025	2026	8	0	0	0	40	15	75	13	11	22	183
38717	39082	2026	2027	8	0	0	0	41	15	75	13	11	22	184
39082	39447	2027	2028	8	0	0	0	41	15	76	13	11	22	186
39447	39813	2028	2029	8	0	0	0	41	15	76	13	11	22	187
39813	40178	2029	2030	8	0	0	0	42	15	77	14	11	22	189
40178	40543	2030	2031	8	0	0	0	42	16	77	14	11	22	190
40543	40908	2031	2032	8	0	0	0	42	16	78	14	11	22	192
40908	41274	2032	2033	8	0	0	0	42	16	78	14	11	23	193
41274	41639	2033	2034	9	0	0	0	43	16	79	14	11	23	195
41639	42004	2034	2035	9	0	0	0	43	17	79	15	11	23	197
42004	42369	2035	2036	9	0	0	0	43	17	80	15	12	23	198
42369	42735	2036	2037	9	0	0	0	44	17	80	15	12	23	200
42735	43100	2037	2038	9	0	0	0	44	17	80	15	12	23	201
43100	43465	2038	2039	9	0	0	0	44	17	81	15	12	23	203
43465	43830	2039	2040	9	0	0	0	45	18	81	15	12	24	205
43830	44196	2040	2041	9	0	0	0	45	18	82	16	12	24	207
44196	44561	2041	2042	10	0	0	0	46	18	83	16	12	24	209
44561	44926	2042	2043	10	0	0	0	46	18	83	16	12	24	210
44926	45291	2043	2044	10	1	0	0	46	19	84	16	12	24	212
45291	45657	2044	2045	10	1	0	0	47	19	85	17	13	25	214
45657	46022	2045	2046	10	1	0	0	47	19	85	17	13	25	216
46022	46387	2046	2047	10	1	0	0	47	19	86	17	13	25	218
46387	46752	2047	2048	10	1	0	0	48	19	86	17	13	25	220
46752	47118	2048	2049	11	1	0	0	48	20	87	17	13	25	222
47118	47483	2049	2050	11	1	0	0	48	20	88	18	13	26	224
47483	47848	2050	2051	11	1	0	0	49	20	88	18	14	26	226
47848	48213	2051	2052	11	1	0	0	49	21	89	18	14	26	228
48213	48579	2052	2053	11	1	0	0	50	21	90	18	14	26	230
48579	48944	2053	2054	11	1	0	0	50	21	90	18	14	26	233
48944	49309	2054	2055	11	1	0	0	50	21	91	19	14	27	235
49309	49674	2055	2056	12	1	0	0	51	22	92	19	14	27	237
49674	50040	2056	2057	12	1	0	0	51	22	92	19	15	27	239
50040	50405	2057	2058	12	1	0	0	52	22	93	19	15	27	241
50405	50770	2058	2059	12	1	0	0	52	22	94	20	15	28	243
50770	51135	2059	2060	12	1	0	0	52	23	94	20	15	28	245
51135	51501	2060	2061	12	1	0	0	53	23	95	20	15	28	248
51501	51866	2061	2062	12	1	0	0	53	23	96	20	16	28	250
51866	52231	2062	2063	13	1	0	0	54	24	96	21	16	29	253

B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	13	1	0	0	54	24	97	21	16	29	255
52596	52962	2064	2065	13	1	0	0	55	24	98	21	16	29	257
52962	53327	2065	2066	13	1	0	0	55	24	98	21	17	30	260
53327	53692	2066	2067	13	1	0	0	56	25	99	22	17	30	262
53692	54057	2067	2068	13	1	0	0	56	25	100	22	17	30	264
54057	54423	2068	2069	14	1	0	0	56	25	101	22	17	30	267
54423	54788	2069	2070	14	1	0	0	57	25	101	22	17	31	269
54788	55153	2070	2071	14	1	0	0	57	26	102	23	18	31	272
55153	55518	2071	2072	14	1	0	0	58	26	103	23	18	31	274
55518	55884	2072	2073	14	1	0	0	58	26	104	23	18	32	277
55884	56249	2073	2074	14	1	0	0	59	27	104	23	18	32	280
56249	56614	2074	2075	15	2	0	0	59	27	105	24	19	32	282
56614	56979	2075	2076	15	2	0	0	60	27	106	24	19	33	285
56979	57345	2076	2077	15	2	0	0	60	28	107	24	19	33	287
57345	57710	2077	2078	15	2	0	0	61	28	108	24	19	33	290
57710	58075	2078	2079	15	2	0	0	61	28	108	25	20	34	292
58075	58440	2079	2080	15	2	0	0	61	29	109	25	20	34	295
58440	58806	2080	2081	16	2	0	0	62	29	110	25	20	34	298
58806	59171	2081	2082	16	2	0	0	63	29	111	26	20	35	301
59171	59536	2082	2083	16	2	0	0	63	30	112	26	21	35	303
59536	59901	2083	2084	16	2	0	0	64	30	112	26	21	35	306
59901	60267	2084	2085	16	2	0	0	64	30	113	26	21	36	309
60267	60632	2085	2086	16	2	0	0	64	31	114	27	21	36	311
60632	60997	2086	2087	17	2	0	0	65	31	115	27	22	36	314
60997	61362	2087	2088	17	2	0	0	65	31	116	27	22	37	317
61362	61728	2088	2089	17	2	0	0	66	31	117	28	22	37	320
61728	62093	2089	2090	17	2	0	0	66	32	117	28	22	37	322
62093	62458	2090	2091	17	2	0	0	67	32	118	28	23	38	325
62458	62823	2091	2092	17	2	0	0	67	33	119	28	23	38	328
62823	63189	2092	2093	17	2	0	0	68	33	120	29	23	38	331
63189	63554	2093	2094	18	2	0	0	68	33	121	29	24	39	334
63554	63919	2094	2095	18	2	0	0	69	34	122	29	24	39	337
63919	64284	2095	2096	18	2	0	0	69	34	123	30	24	40	340
64284	64650	2096	2097	18	2	0	0	70	34	124	30	25	40	343
64650	65015	2097	2098	18	2	0	0	70	35	125	30	25	40	346
65015	65380	2098	2099	18	2	0	0	71	35	126	31	25	41	349
65380	65745	2099	2100	19	2	0	0	71	35	126	31	26	41	352
65745	66110	2100	2101	19	2	0	0	72	36	127	31	26	41	355
66110	66475	2101	2102	19	2	0	0	72	36	128	32	27	42	358
66475	66840	2102	2103	19	2	0	0	73	36	129	32	27	42	361
66840	67205	2103	2104	19	2	0	0	73	37	130	32	27	42	364
67205	67571	2104	2105	19	3	0	0	74	37	132	32	28	43	368
67571	67936	2105	2106	20	3	0	0	75	37	133	33	28	43	371
67936	68301	2106	2107	20	3	0	0	75	38	134	33	28	44	374
68301	68666	2107	2108	20	3	0	0	76	38	135	33	29	44	377
68666	69032	2108	2109	20	3	0	0	76	38	136	34	29	44	381
69032	69397	2109	2110	20	3	0	0	77	39	137	34	30	45	384
69397	69762	2110	2111	20	3	0	0	77	39	138	34	30	45	387

B-3a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
4018	4383	1931	1932	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
4383	4749	1932	1933	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
4749	5114	1933	1934	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
5114	5479	1934	1935	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
5479	5844	1935	1936	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
5844	6210	1936	1937	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
6210	6575	1937	1938	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
6575	6940	1938	1939	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
6940	7305	1939	1940	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
7305	7671	1940	1941	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
7671	8036	1941	1942	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
8036	8401	1942	1943	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
8401	8766	1943	1944	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
8766	9132	1944	1945	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
9132	9497	1945	1946	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
9497	9862	1946	1947	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
9862	10227	1947	1948	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
10227	10593	1948	1949	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
10593	10958	1949	1950	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
10958	11323	1950	1951	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
11323	11688	1951	1952	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
11688	12054	1952	1953	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
12054	12419	1953	1954	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
12419	12784	1954	1955	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
12784	13149	1955	1956	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
13149	13515	1956	1957	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
13515	13880	1957	1958	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
13880	14245	1958	1959	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
14245	14610	1959	1960	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
14610	14976	1960	1961	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
14976	15341	1961	1962	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
15341	15706	1962	1963	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
15706	16071	1963	1964	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
16071	16437	1964	1965	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
16437	16802	1965	1966	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
16802	17167	1966	1967	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
17532	17898	1968	1969	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
17898	18263	1969	1970	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
18263	18628	1970	1971	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
18628	18993	1971	1972	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
18993	19359	1972	1973	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
19359	19724	1973	1974	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
19724	20089	1974	1975	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
20089	20454	1975	1976	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
20454	20820	1976	1977	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
20820	21185	1977	1978	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	3.0
21185	21550	1978	1979	0.1	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.1	0.4	3.0
21550	21915	1979	1980	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.1	0.4	3.0
21915	22281	1980	1981	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.1	0.4	3.1
22281	22646	1981	1982	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.1	0.4	3.1
22646	23011	1982	1983	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.1	0.4	3.1
23011	23376	1983	1984	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.1	0.4	3.1
23376	23742	1984	1985	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.2	0.4	3.1
23742	24107	1985	1986	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.2	0.4	3.1
24107	24472	1986	1987	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.2	0.4	3.1
24472	24837	1987	1988	0.2	0.0	0.0	0.0	0.7	0.1	1.4	0.2	0.2	0.4	3.1
24837	25203	1988	1989	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
25203	25568	1989	1990	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
25568	25933	1990	1991	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
25933	26298	1991	1992	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
26298	26664	1992	1993	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
26664	27029	1993	1994	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
27029	27394	1994	1995	0.2	0.0	0.0	0.0	0.8	0.1	1.4	0.2	0.2	0.4	3.2
27394	27759	1995	1996	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.3
27759	28125	1996	1997	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.3
28125	28490	1997	1998	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.3
28490	28855	1998	1999	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.3
28855	29220	1999	2000	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.3
29220	29586	2000	2001	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.4
29586	29951	2001	2002	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.4
29951	30316	2002	2003	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.4
30316	30681	2003	2004	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.4
30681	31047	2004	2005	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.4
31047	31412	2005	2006	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.5
31412	31777	2006	2007	0.2	0.0	0.0	0.0	0.8	0.1	1.5	0.2	0.2	0.4	3.5
31777	32142	2007	2008	0.2	0.0	0.0	0.0	0.8	0.1	1.6	0.2	0.2	0.4	3.5
32142	32508	2008	2009	0.2	0.0	0.0	0.0	0.8	0.1	1.6	0.2	0.2	0.5	3.5
32508	32873	2009	2010	0.2	0.0	0.0	0.0	0.8	0.1	1.6	0.2	0.2	0.5	3.5
32873	33238	2010	2011	0.2	0.0	0.0	0.0	0.8	0.1	1.6	0.3	0.2	0.5	3.6
33238	33603	2011	2012	0.2	0.0	0.0	0.0	0.8	0.1	1.6	0.3	0.2	0.5	3.6
33603	33969	2012	2013	0.2	0.0	0.0	0.0	0.8	0.1	1.6	0.3	0.2	0.5	3.6
33969	34334	2013	2014	0.2	0.0	0.0	0.0	0.9	0.1	1.6	0.3	0.2	0.5	3.6
34334	34699	2014	2015	0.2	0.0	0.0	0.0	0.9	0.1	1.6	0.3	0.2	0.5	3.7
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

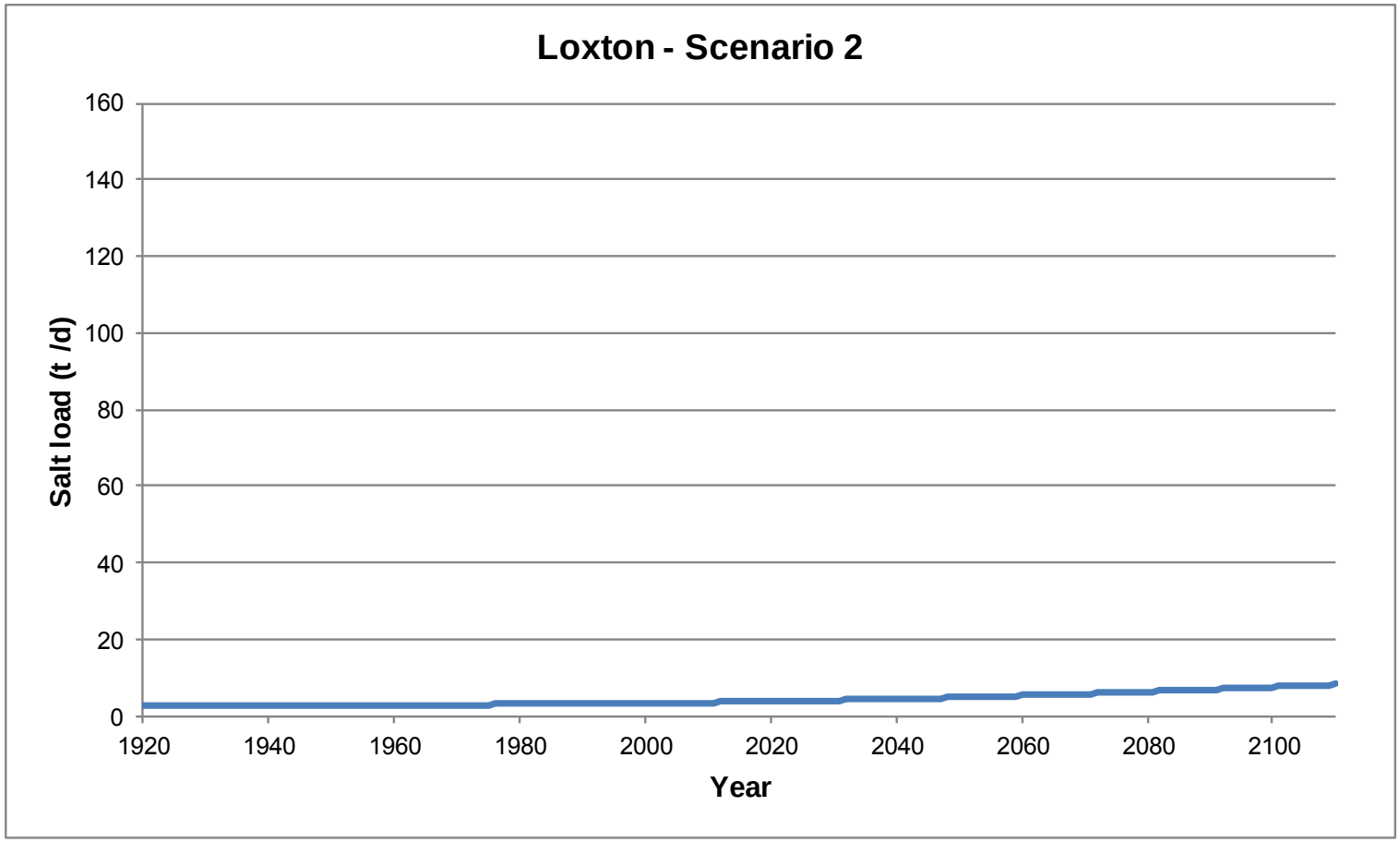
B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	0.2	0.0	0.0	0.0	0.9	0.1	1.6	0.3	0.2	0.5	3.7
35064	35430	2016	2017	0.2	0.0	0.0	0.0	0.9	0.1	1.6	0.3	0.2	0.5	3.7
35430	35795	2017	2018	0.2	0.0	0.0	0.0	0.9	0.1	1.6	0.3	0.2	0.5	3.7
35795	36160	2018	2019	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.8
36160	36525	2019	2020	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.8
36525	36891	2020	2021	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.8
36891	37256	2021	2022	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.8
37256	37621	2022	2023	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.9
37621	37986	2023	2024	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.9
37986	38352	2024	2025	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	3.9
38352	38717	2025	2026	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	4.0
38717	39082	2026	2027	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	4.0
39082	39447	2027	2028	0.2	0.0	0.0	0.0	0.9	0.1	1.7	0.3	0.2	0.5	4.0
39447	39813	2028	2029	0.2	0.0	0.0	0.0	0.9	0.1	1.8	0.3	0.2	0.5	4.1
39813	40178	2029	2030	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.3	0.2	0.5	4.1
40178	40543	2030	2031	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.3	0.2	0.5	4.1
40543	40908	2031	2032	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.3	0.2	0.5	4.1
40908	41274	2032	2033	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.3	0.2	0.5	4.2
41274	41639	2033	2034	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.3	0.2	0.5	4.2
41639	42004	2034	2035	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.3	0.2	0.5	4.3
42004	42369	2035	2036	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.4	0.2	0.5	4.3
42369	42735	2036	2037	0.2	0.0	0.0	0.0	1.0	0.1	1.8	0.4	0.2	0.5	4.3
42735	43100	2037	2038	0.2	0.0	0.0	0.0	1.0	0.1	1.9	0.4	0.2	0.5	4.4
43100	43465	2038	2039	0.2	0.0	0.0	0.0	1.0	0.1	1.9	0.4	0.2	0.5	4.4
43465	43830	2039	2040	0.2	0.0	0.0	0.0	1.0	0.1	1.9	0.4	0.2	0.5	4.4
43830	44196	2040	2041	0.2	0.0	0.0	0.0	1.0	0.1	1.9	0.4	0.2	0.5	4.5
44196	44561	2041	2042	0.2	0.0	0.0	0.0	1.0	0.1	1.9	0.4	0.2	0.6	4.5
44561	44926	2042	2043	0.2	0.0	0.0	0.0	1.1	0.1	1.9	0.4	0.2	0.6	4.5
44926	45291	2043	2044	0.2	0.0	0.0	0.0	1.1	0.1	1.9	0.4	0.2	0.6	4.6
45291	45657	2044	2045	0.2	0.0	0.0	0.0	1.1	0.1	1.9	0.4	0.2	0.6	4.6
45657	46022	2045	2046	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.2	0.6	4.7
46022	46387	2046	2047	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.2	0.6	4.7
46387	46752	2047	2048	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.3	0.6	4.7
46752	47118	2048	2049	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.3	0.6	4.8
47118	47483	2049	2050	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.3	0.6	4.8
47483	47848	2050	2051	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.3	0.6	4.9
47848	48213	2051	2052	0.3	0.0	0.0	0.0	1.1	0.1	2.0	0.4	0.3	0.6	4.9
48213	48579	2052	2053	0.3	0.0	0.0	0.0	1.1	0.1	2.1	0.4	0.3	0.6	5.0
48579	48944	2053	2054	0.3	0.0	0.0	0.0	1.2	0.1	2.1	0.4	0.3	0.6	5.0
48944	49309	2054	2055	0.3	0.0	0.0	0.0	1.2	0.1	2.1	0.4	0.3	0.6	5.1
49309	49674	2055	2056	0.3	0.0	0.0	0.0	1.2	0.2	2.1	0.5	0.3	0.6	5.1
49674	50040	2056	2057	0.3	0.0	0.0	0.0	1.2	0.2	2.1	0.5	0.3	0.6	5.1
50040	50405	2057	2058	0.3	0.0	0.0	0.0	1.2	0.2	2.1	0.5	0.3	0.6	5.2
50405	50770	2058	2059	0.3	0.0	0.0	0.0	1.2	0.2	2.2	0.5	0.3	0.6	5.2
50770	51135	2059	2060	0.3	0.0	0.0	0.0	1.2	0.2	2.2	0.5	0.3	0.6	5.3
51135	51501	2060	2061	0.3	0.0	0.0	0.0	1.2	0.2	2.2	0.5	0.3	0.6	5.3
51501	51866	2061	2062	0.3	0.0	0.0	0.0	1.2	0.2	2.2	0.5	0.3	0.7	5.4
51866	52231	2062	2063	0.3	0.0	0.0	0.0	1.2	0.2	2.2	0.5	0.3	0.7	5.4
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	0.3	0.0	0.0	0.0	1.2	0.2	2.2	0.5	0.3	0.7	5.5
52596	52962	2064	2065	0.3	0.0	0.0	0.0	1.3	0.2	2.2	0.5	0.3	0.7	5.5
52962	53327	2065	2066	0.3	0.0	0.0	0.0	1.3	0.2	2.3	0.5	0.3	0.7	5.6
53327	53692	2066	2067	0.3	0.0	0.0	0.0	1.3	0.2	2.3	0.5	0.3	0.7	5.6
53692	54057	2067	2068	0.3	0.0	0.0	0.0	1.3	0.2	2.3	0.5	0.3	0.7	5.7
54057	54423	2068	2069	0.3	0.0	0.0	0.0	1.3	0.2	2.3	0.5	0.3	0.7	5.7
54423	54788	2069	2070	0.3	0.0	0.0	0.0	1.3	0.2	2.3	0.5	0.3	0.7	5.8
54788	55153	2070	2071	0.3	0.0	0.0	0.0	1.3	0.2	2.3	0.5	0.3	0.7	5.8
55153	55518	2071	2072	0.4	0.0	0.0	0.0	1.3	0.2	2.4	0.5	0.3	0.7	5.9
55518	55884	2072	2073	0.4	0.0	0.0	0.0	1.3	0.2	2.4	0.6	0.4	0.7	5.9
55884	56249	2073	2074	0.4	0.0	0.0	0.0	1.4	0.2	2.4	0.6	0.4	0.7	6.0
56249	56614	2074	2075	0.4	0.0	0.0	0.0	1.4	0.2	2.4	0.6	0.4	0.7	6.1
56614	56979	2075	2076	0.4	0.0	0.0	0.0	1.4	0.2	2.4	0.6	0.4	0.7	6.1
56979	57345	2076	2077	0.4	0.0	0.0	0.0	1.4	0.2	2.5	0.6	0.4	0.8	6.2
57345	57710	2077	2078	0.4	0.0	0.0	0.0	1.4	0.2	2.5	0.6	0.4	0.8	6.2
57710	58075	2078	2079	0.4	0.0	0.0	0.0	1.4	0.2	2.5	0.6	0.4	0.8	6.3
58075	58440	2079	2080	0.4	0.0	0.0	0.0	1.4	0.2	2.5	0.6	0.4	0.8	6.3
58440	58806	2080	2081	0.4	0.0	0.0	0.0	1.4	0.2	2.5	0.6	0.4	0.8	6.4
58806	59171	2081	2082	0.4	0.1	0.0	0.0	1.4	0.2	2.5	0.6	0.4	0.8	6.4
59171	59536	2082	2083	0.4	0.1	0.0	0.0	1.5	0.2	2.6	0.6	0.4	0.8	6.5
59536	59901	2083	2084	0.4	0.1	0.0	0.0	1.5	0.2	2.6	0.6	0.4	0.8	6.6
59901	60267	2084	2085	0.4	0.1	0.0	0.0	1.5	0.2	2.6	0.6	0.4	0.8	6.6
60267	60632	2085	2086	0.4	0.1	0.0	0.0	1.5	0.2	2.6	0.6	0.4	0.8	6.7
60632	60997	2086	2087	0.4	0.1	0.0	0.0	1.5	0.2	2.6	0.6	0.4	0.8	6.7
60997	61362	2087	2088	0.4	0.1	0.0	0.0	1.5	0.2	2.7	0.7	0.4	0.8	6.8
61362	61728	2088	2089	0.4	0.1	0.0	0.0	1.5	0.2	2.7	0.7	0.4	0.9	6.8
61728	62093	2089	2090	0.4	0.1	0.0	0.0	1.5	0.2	2.7	0.7	0.4	0.9	6.9
62093	62458	2090	2091	0.4	0.1	0.0	0.0	1.5	0.2	2.7	0.7	0.4	0.9	7.0
62458	62823	2091	2092	0.4	0.1	0.0	0.0	1.6	0.2	2.7	0.7	0.4	0.9	7.0
62823	63189	2092	2093	0.4	0.1	0.0	0.0	1.6	0.2	2.8	0.7	0.5	0.9	7.1
63189	63554	2093	2094	0.4	0.1	0.0	0.0	1.6	0.2	2.8	0.7	0.5	0.9	7.1
63554	63919	2094	2095	0.4	0.1	0.0	0.0	1.6	0.2	2.8	0.7	0.5	0.9	7.2
63919	64284	2095	2096	0.4	0.1	0.0	0.0	1.6	0.2	2.8	0.7	0.5	0.9	7.3
64284	64650	2096	2097	0.5	0.1	0.0	0.0	1.6	0.2	2.8	0.7	0.5	0.9	7.3
64650	65015	2097	2098	0.5	0.1	0.0	0.0	1.6	0.2	2.9	0.7	0.5	0.9	7.4
65015	65380	2098	2099	0.5	0.1	0.0	0.0	1.6	0.2	2.9	0.7	0.5	0.9	7.5
65380	65745	2099	2100	0.5	0.1	0.0	0.0	1.6	0.2	2.9	0.7	0.5	0.9	7.5
65745	66110	2100	2101	0.5	0.1	0.0	0.0	1.7	0.2	2.9	0.7	0.5	1.0	7.6
66110	66475	2101	2102	0.5	0.1	0.0	0.0	1.7	0.3	3.0	0.8	0.5	1.0	7.6
66475	66840	2102	2103	0.5	0.1	0.0	0.0	1.7	0.3	3.0	0.8	0.5	1.0	7.7
66840	67205	2103	2104	0.5	0.1	0.0	0.0	1.7	0.3	3.0	0.8	0.5	1.0	7.8
67205	67571	2104	2105	0.5	0.1	0.0	0.0	1.7	0.3	3.0	0.8	0.5	1.0	7.8
67571	67936	2105	2106	0.5	0.1	0.0	0.0	1.7	0.3	3.1	0.8	0.5	1.0	7.9
67936	68301	2106	2107	0.5	0.1	0.0	0.0	1.7	0.3	3.1	0.8	0.6	1.0	8.0
68301	68666	2107	2108	0.5	0.1	0.0	0.0	1.7	0.3	3.1	0.8	0.6	1.0	8.1
68666	69032	2108	2109	0.5	0.1	0.0	0.0	1.8	0.3	3.1	0.8	0.6	1.0	8.1
69032	69397	2109	2110	0.5	0.1	0.0	0.0	1.8	0.3	3.2	0.8	0.6	1.0	8.2
69397	69762	2110	2111	0.5	0.1	0.0	0.0	1.8	0.3	3.2	0.8	0.6	1.0	8.3
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 2) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1336	384	146	73	4541
25568	25933	1990	1991	429	158	0	95	990	933	1345	392	151	77	4569
25933	26298	1991	1992	429	158	0	95	991	936	1354	399	156	80	4599
26298	26664	1992	1993	430	158	0	95	993	940	1363	406	160	83	4628
26664	27029	1993	1994	430	158	0	95	994	944	1373	414	165	86	4659
27029	27394	1994	1995	431	158	0	95	997	949	1382	420	169	89	4689
27394	27759	1995	1996	432	158	0	95	999	953	1391	426	173	92	4720
27759	28125	1996	1997	433	158	0	95	1002	958	1401	433	177	95	4751
28125	28490	1997	1998	434	158	0	95	1004	963	1409	438	180	98	4780
28490	28855	1998	1999	436	159	0	95	1007	967	1418	444	184	100	4811
28855	29220	1999	2000	439	159	0	96	1010	972	1427	450	187	103	4842
29220	29586	2000	2001	442	159	0	96	1012	976	1435	455	191	105	4872
29586	29951	2001	2002	445	159	0	96	1015	981	1443	461	194	108	4901
29951	30316	2002	2003	448	160	0	96	1018	985	1451	466	197	110	4930
30316	30681	2003	2004	450	160	0	97	1021	990	1459	471	200	112	4959
30681	31047	2004	2005	453	160	0	97	1024	994	1467	475	204	114	4988
31047	31412	2005	2006	455	161	0	97	1027	998	1474	480	207	116	5014
31412	31777	2006	2007	457	161	0	97	1030	1003	1481	484	210	118	5041
31777	32142	2007	2008	459	161	0	98	1032	1007	1488	489	212	120	5066
32142	32508	2008	2009	461	161	0	98	1035	1011	1494	493	215	122	5090
32508	32873	2009	2010	462	162	0	98	1038	1014	1500	497	218	124	5112
32873	33238	2010	2011	464	162	0	98	1040	1017	1505	500	220	126	5133
33238	33603	2011	2012	466	162	0	98	1042	1020	1510	504	223	127	5153
33603	33969	2012	2013	467	163	0	99	1045	1023	1515	507	225	129	5172
33969	34334	2013	2014	469	163	0	99	1047	1026	1519	510	227	131	5190
34334	34699	2014	2015	470	163	0	99	1049	1028	1523	513	230	132	5206

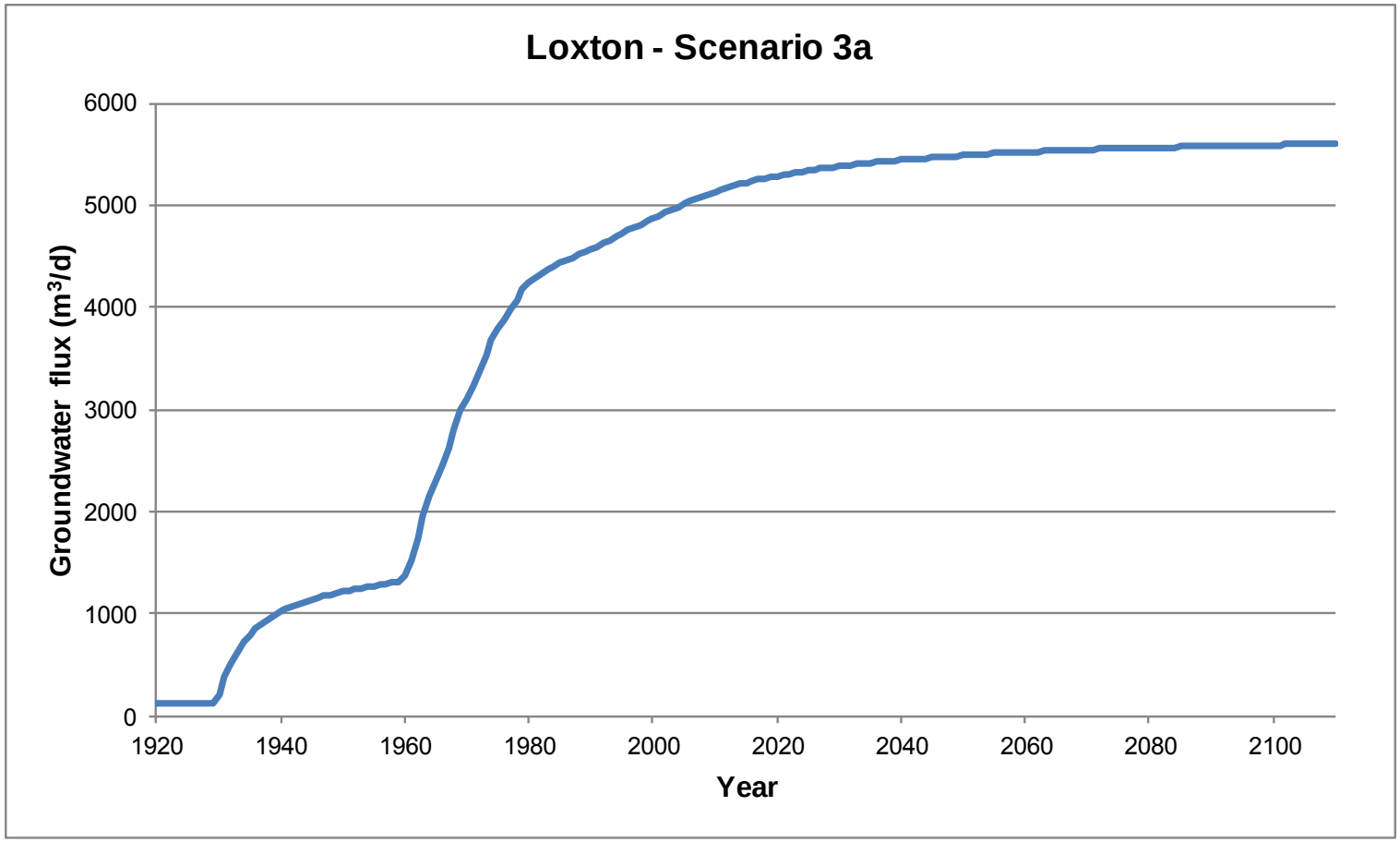
B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	471	163	0	99	1050	1030	1526	516	232	134	5222
35064	35430	2016	2017	473	164	0	100	1052	1032	1529	518	234	135	5236
35430	35795	2017	2018	474	164	0	100	1054	1034	1532	521	236	136	5251
35795	36160	2018	2019	475	164	0	100	1055	1036	1535	523	238	138	5263
36160	36525	2019	2020	476	164	0	100	1057	1038	1538	525	239	139	5276
36525	36891	2020	2021	477	164	0	100	1058	1039	1540	527	241	140	5288
36891	37256	2021	2022	478	165	0	100	1059	1041	1543	529	243	141	5299
37256	37621	2022	2023	479	165	0	101	1061	1042	1545	531	244	142	5310
37621	37986	2023	2024	480	165	0	101	1062	1044	1547	533	246	144	5320
37986	38352	2024	2025	481	165	0	101	1063	1045	1549	535	247	145	5330
38352	38717	2025	2026	482	165	0	101	1064	1046	1551	537	249	146	5339
38717	39082	2026	2027	483	165	0	101	1065	1047	1552	538	250	147	5348
39082	39447	2027	2028	483	166	0	101	1066	1048	1554	540	251	147	5357
39447	39813	2028	2029	484	166	0	101	1067	1049	1556	541	253	148	5365
39813	40178	2029	2030	485	166	0	101	1068	1050	1557	543	254	149	5373
40178	40543	2030	2031	486	166	0	101	1068	1051	1559	544	255	150	5380
40543	40908	2031	2032	486	166	0	102	1069	1052	1560	545	256	151	5387
40908	41274	2032	2033	487	166	0	102	1070	1053	1561	546	257	152	5394
41274	41639	2033	2034	487	166	0	102	1071	1054	1563	548	259	153	5401
41639	42004	2034	2035	488	166	0	102	1071	1055	1564	549	260	153	5408
42004	42369	2035	2036	489	167	0	102	1072	1055	1565	550	261	154	5414
42369	42735	2036	2037	489	167	0	102	1073	1056	1566	551	262	155	5420
42735	43100	2037	2038	490	167	0	102	1073	1057	1567	552	263	156	5426
43100	43465	2038	2039	490	167	0	102	1074	1057	1568	553	263	157	5432
43465	43830	2039	2040	491	167	0	102	1075	1058	1569	554	264	157	5437
43830	44196	2040	2041	491	167	0	102	1075	1059	1570	555	265	158	5443
44196	44561	2041	2042	492	167	0	102	1076	1059	1571	556	266	159	5448
44561	44926	2042	2043	492	167	0	102	1076	1060	1572	557	267	160	5453
44926	45291	2043	2044	492	167	0	102	1077	1060	1573	558	268	160	5457
45291	45657	2044	2045	493	167	0	102	1077	1061	1573	559	269	161	5462
45657	46022	2045	2046	493	167	0	103	1078	1061	1574	560	269	162	5467
46022	46387	2046	2047	494	167	0	103	1078	1062	1575	560	270	162	5471
46387	46752	2047	2048	494	168	0	103	1079	1062	1576	561	271	163	5476
46752	47118	2048	2049	494	168	0	103	1079	1063	1576	562	272	163	5480
47118	47483	2049	2050	495	168	0	103	1079	1063	1577	563	272	164	5484
47483	47848	2050	2051	495	168	0	103	1080	1064	1578	564	273	165	5488
47848	48213	2051	2052	496	168	0	103	1080	1064	1578	564	274	165	5492
48213	48579	2052	2053	496	168	0	103	1081	1064	1579	565	274	166	5495
48579	48944	2053	2054	496	168	0	103	1081	1065	1580	566	275	166	5499
48944	49309	2054	2055	496	168	0	103	1081	1065	1580	566	275	167	5503
49309	49674	2055	2056	497	168	0	103	1082	1066	1581	567	276	167	5506
49674	50040	2056	2057	497	168	0	103	1082	1066	1581	568	277	168	5509
50040	50405	2057	2058	497	168	0	103	1082	1066	1582	568	277	168	5512
50405	50770	2058	2059	498	168	0	103	1083	1067	1582	569	278	169	5515
50770	51135	2059	2060	498	168	0	103	1083	1067	1583	569	278	169	5518
51135	51501	2060	2061	498	168	0	103	1083	1067	1583	570	279	170	5521
51501	51866	2061	2062	498	168	0	103	1084	1068	1584	570	279	170	5524
51866	52231	2062	2063	499	168	0	103	1084	1068	1584	571	280	171	5527

B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	499	168	0	103	1084	1068	1584	571	280	171	5529
52596	52962	2064	2065	499	168	0	103	1084	1068	1585	572	280	171	5532
52962	53327	2065	2066	499	169	0	103	1085	1069	1585	572	281	172	5534
53327	53692	2066	2067	500	169	0	103	1085	1069	1585	572	281	172	5537
53692	54057	2067	2068	500	169	0	104	1085	1069	1586	573	282	172	5539
54057	54423	2068	2069	500	169	0	104	1085	1070	1586	573	282	173	5541
54423	54788	2069	2070	500	169	0	104	1086	1070	1586	573	282	173	5543
54788	55153	2070	2071	500	169	0	104	1086	1070	1587	574	283	174	5545
55153	55518	2071	2072	501	169	0	104	1086	1070	1587	574	283	174	5547
55518	55884	2072	2073	501	169	0	104	1086	1070	1587	574	283	174	5549
55884	56249	2073	2074	501	169	0	104	1087	1071	1588	575	284	175	5551
56249	56614	2074	2075	501	169	0	104	1087	1071	1588	575	284	175	5553
56614	56979	2075	2076	501	169	0	104	1087	1071	1588	575	284	175	5555
56979	57345	2076	2077	502	169	0	104	1087	1071	1589	576	285	175	5557
57345	57710	2077	2078	502	169	0	104	1087	1072	1589	576	285	176	5559
57710	58075	2078	2079	502	169	0	104	1088	1072	1589	576	285	176	5560
58075	58440	2079	2080	502	169	0	104	1088	1072	1589	576	285	176	5562
58440	58806	2080	2081	502	169	0	104	1088	1072	1590	577	286	177	5564
58806	59171	2081	2082	503	169	0	104	1088	1072	1590	577	286	177	5565
59171	59536	2082	2083	503	169	0	104	1088	1072	1590	577	286	177	5567
59536	59901	2083	2084	503	169	0	104	1088	1073	1590	577	286	177	5568
59901	60267	2084	2085	503	169	0	104	1089	1073	1590	578	287	178	5570
60267	60632	2085	2086	503	169	0	104	1089	1073	1591	578	287	178	5571
60632	60997	2086	2087	503	169	0	104	1089	1073	1591	578	287	178	5573
60997	61362	2087	2088	503	169	0	104	1089	1073	1591	578	287	178	5574
61362	61728	2088	2089	504	169	0	104	1089	1073	1591	579	288	178	5576
61728	62093	2089	2090	504	169	0	104	1089	1074	1592	579	288	179	5577
62093	62458	2090	2091	504	169	0	104	1090	1074	1592	579	288	179	5578
62458	62823	2091	2092	504	169	0	104	1090	1074	1592	579	288	179	5580
62823	63189	2092	2093	504	169	0	104	1090	1074	1592	579	289	179	5581
63189	63554	2093	2094	504	169	0	104	1090	1074	1592	580	289	180	5582
63554	63919	2094	2095	504	170	0	104	1090	1074	1592	580	289	180	5583
63919	64284	2095	2096	505	170	0	104	1090	1074	1593	580	289	180	5585
64284	64650	2096	2097	505	170	0	104	1090	1075	1593	580	289	180	5586
64650	65015	2097	2098	505	170	0	104	1091	1075	1593	580	289	180	5587
65015	65380	2098	2099	505	170	0	104	1091	1075	1593	581	290	180	5588
65380	65745	2099	2100	505	170	0	104	1091	1075	1593	581	290	181	5589
65745	66110	2100	2101	505	170	0	104	1091	1075	1593	581	290	181	5590
66110	66475	2101	2102	505	170	0	104	1091	1075	1594	581	290	181	5591
66475	66840	2102	2103	505	170	0	104	1091	1075	1594	581	290	181	5592
66840	67205	2103	2104	505	170	0	104	1091	1076	1594	581	291	181	5593
67205	67571	2104	2105	506	170	0	104	1091	1076	1594	582	291	182	5594
67571	67936	2105	2106	506	170	0	104	1092	1076	1594	582	291	182	5595
67936	68301	2106	2107	506	170	0	104	1092	1076	1594	582	291	182	5596
68301	68666	2107	2108	506	170	0	104	1092	1076	1595	582	291	182	5597
68666	69032	2108	2109	506	170	0	104	1092	1076	1595	582	291	182	5598
69032	69397	2109	2110	506	170	0	104	1092	1076	1595	582	291	182	5599
69397	69762	2110	2111	506	170	0	104	1092	1076	1595	582	292	182	5600

B-3a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part4/4)



B-3a (S3a). Graph of modelled groundwater flux ($m^{3/d}$) entering the River Murray in Loxton (Scenario 3a)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.8
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.3
25933	26298	1991	1992	10.7	4.6	0.0	3.7	22.8	6.6	31.1	9.6	3.0	1.8	94.0
26298	26664	1992	1993	10.7	4.6	0.0	3.7	22.8	6.6	31.4	9.8	3.1	1.9	94.6
26664	27029	1993	1994	10.8	4.6	0.0	3.7	22.9	6.6	31.6	9.9	3.2	2.0	95.2
27029	27394	1994	1995	10.8	4.6	0.0	3.7	22.9	6.6	31.8	10.1	3.3	2.1	95.8
27394	27759	1995	1996	10.8	4.6	0.0	3.7	23.0	6.7	32.0	10.2	3.4	2.1	96.4
27759	28125	1996	1997	10.8	4.6	0.0	3.7	23.0	6.7	32.2	10.4	3.4	2.2	97.1
28125	28490	1997	1998	10.9	4.6	0.0	3.7	23.1	6.7	32.4	10.5	3.5	2.2	97.7
28490	28855	1998	1999	10.9	4.6	0.0	3.7	23.2	6.8	32.6	10.7	3.6	2.3	98.3
28855	29220	1999	2000	11.0	4.6	0.0	3.7	23.2	6.8	32.8	10.8	3.6	2.4	98.9
29220	29586	2000	2001	11.1	4.6	0.0	3.7	23.3	6.8	33.0	10.9	3.7	2.4	99.6
29586	29951	2001	2002	11.1	4.6	0.0	3.7	23.3	6.9	33.2	11.1	3.8	2.5	100.2
29951	30316	2002	2003	11.2	4.6	0.0	3.8	23.4	6.9	33.4	11.2	3.8	2.5	100.8
30316	30681	2003	2004	11.3	4.6	0.0	3.8	23.5	6.9	33.5	11.3	3.9	2.6	101.4
30681	31047	2004	2005	11.3	4.6	0.0	3.8	23.5	7.0	33.7	11.4	3.9	2.6	102.0
31047	31412	2005	2006	11.4	4.7	0.0	3.8	23.6	7.0	33.9	11.5	4.0	2.7	102.5
31412	31777	2006	2007	11.4	4.7	0.0	3.8	23.7	7.0	34.1	11.6	4.1	2.7	103.1
31777	32142	2007	2008	11.5	4.7	0.0	3.8	23.7	7.0	34.2	11.7	4.1	2.8	103.6
32142	32508	2008	2009	11.5	4.7	0.0	3.8	23.8	7.1	34.4	11.8	4.2	2.8	104.1
32508	32873	2009	2010	11.6	4.7	0.0	3.8	23.9	7.1	34.5	11.9	4.2	2.8	104.5
32873	33238	2010	2011	11.6	4.7	0.0	3.8	23.9	7.1	34.6	12.0	4.3	2.9	105.0
33238	33603	2011	2012	11.6	4.7	0.0	3.8	24.0	7.1	34.7	12.1	4.3	2.9	105.4
33603	33969	2012	2013	11.7	4.7	0.0	3.9	24.0	7.2	34.8	12.2	4.4	3.0	105.8
33969	34334	2013	2014	11.7	4.7	0.0	3.9	24.1	7.2	34.9	12.2	4.4	3.0	106.1
34334	34699	2014	2015	11.7	4.7	0.0	3.9	24.1	7.2	35.0	12.3	4.5	3.0	106.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

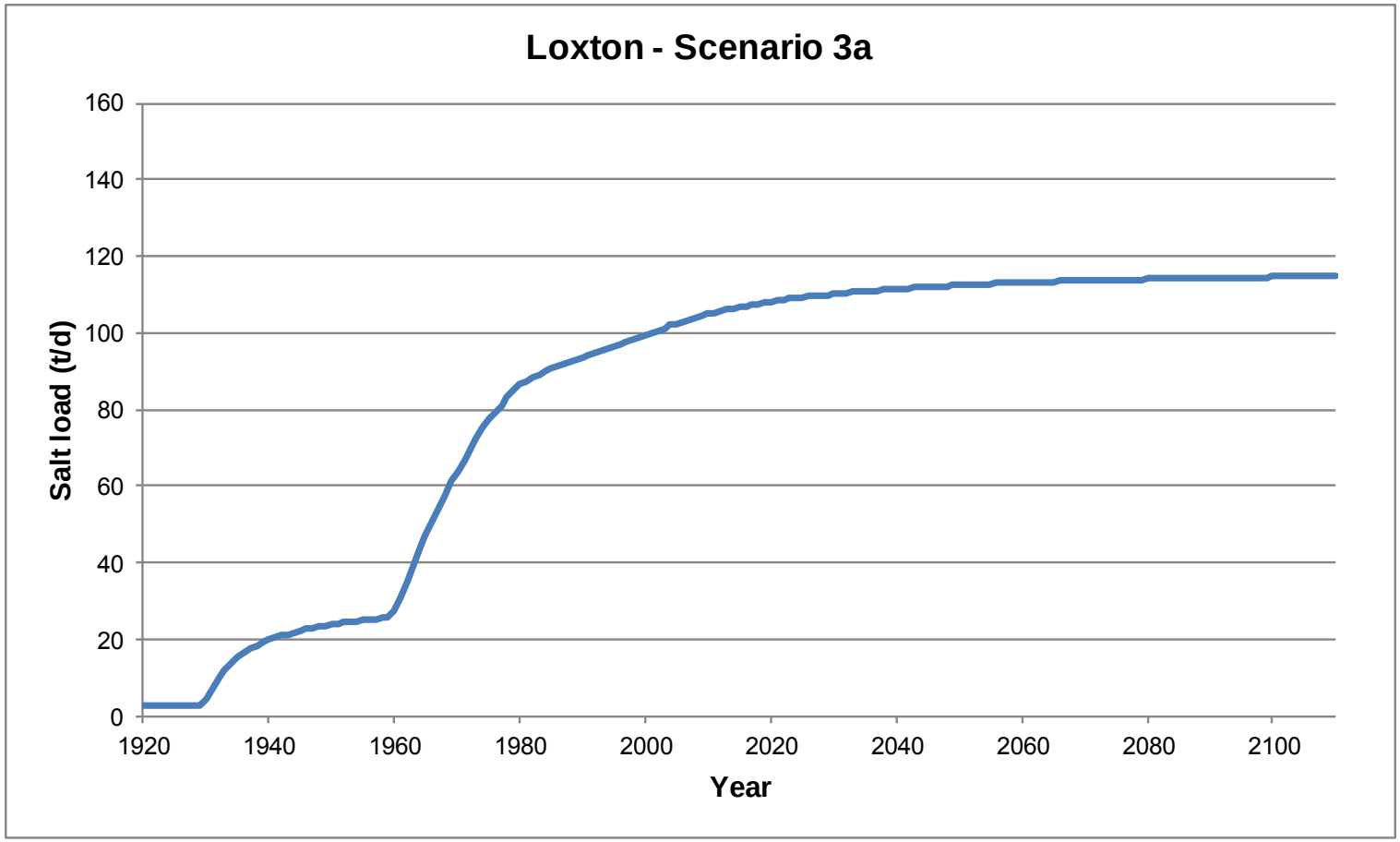
B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	11.8	4.7	0.0	3.9	24.2	7.2	35.1	12.4	4.5	3.1	106.8
35064	35430	2016	2017	11.8	4.7	0.0	3.9	24.2	7.2	35.2	12.4	4.5	3.1	107.1
35430	35795	2017	2018	11.8	4.7	0.0	3.9	24.2	7.2	35.2	12.5	4.6	3.1	107.4
35795	36160	2018	2019	11.9	4.8	0.0	3.9	24.3	7.3	35.3	12.6	4.6	3.2	107.7
36160	36525	2019	2020	11.9	4.8	0.0	3.9	24.3	7.3	35.4	12.6	4.6	3.2	107.9
36525	36891	2020	2021	11.9	4.8	0.0	3.9	24.3	7.3	35.4	12.7	4.7	3.2	108.2
36891	37256	2021	2022	12.0	4.8	0.0	3.9	24.4	7.3	35.5	12.7	4.7	3.3	108.4
37256	37621	2022	2023	12.0	4.8	0.0	3.9	24.4	7.3	35.5	12.8	4.7	3.3	108.7
37621	37986	2023	2024	12.0	4.8	0.0	3.9	24.4	7.3	35.6	12.8	4.8	3.3	108.9
37986	38352	2024	2025	12.0	4.8	0.0	3.9	24.4	7.3	35.6	12.8	4.8	3.3	109.1
38352	38717	2025	2026	12.0	4.8	0.0	3.9	24.5	7.3	35.7	12.9	4.8	3.3	109.3
38717	39082	2026	2027	12.1	4.8	0.0	3.9	24.5	7.3	35.7	12.9	4.9	3.4	109.5
39082	39447	2027	2028	12.1	4.8	0.0	3.9	24.5	7.3	35.7	13.0	4.9	3.4	109.6
39447	39813	2028	2029	12.1	4.8	0.0	3.9	24.5	7.3	35.8	13.0	4.9	3.4	109.8
39813	40178	2029	2030	12.1	4.8	0.0	4.0	24.6	7.4	35.8	13.0	4.9	3.4	110.0
40178	40543	2030	2031	12.1	4.8	0.0	4.0	24.6	7.4	35.8	13.1	5.0	3.5	110.1
40543	40908	2031	2032	12.2	4.8	0.0	4.0	24.6	7.4	35.9	13.1	5.0	3.5	110.3
40908	41274	2032	2033	12.2	4.8	0.0	4.0	24.6	7.4	35.9	13.1	5.0	3.5	110.4
41274	41639	2033	2034	12.2	4.8	0.0	4.0	24.6	7.4	35.9	13.1	5.0	3.5	110.6
41639	42004	2034	2035	12.2	4.8	0.0	4.0	24.6	7.4	36.0	13.2	5.0	3.5	110.7
42004	42369	2035	2036	12.2	4.8	0.0	4.0	24.7	7.4	36.0	13.2	5.1	3.5	110.9
42369	42735	2036	2037	12.2	4.8	0.0	4.0	24.7	7.4	36.0	13.2	5.1	3.6	111.0
42735	43100	2037	2038	12.2	4.8	0.0	4.0	24.7	7.4	36.0	13.3	5.1	3.6	111.1
43100	43465	2038	2039	12.3	4.8	0.0	4.0	24.7	7.4	36.1	13.3	5.1	3.6	111.2
43465	43830	2039	2040	12.3	4.8	0.0	4.0	24.7	7.4	36.1	13.3	5.1	3.6	111.3
43830	44196	2040	2041	12.3	4.8	0.0	4.0	24.7	7.4	36.1	13.3	5.1	3.6	111.5
44196	44561	2041	2042	12.3	4.8	0.0	4.0	24.7	7.4	36.1	13.3	5.2	3.7	111.6
44561	44926	2042	2043	12.3	4.8	0.0	4.0	24.8	7.4	36.1	13.4	5.2	3.7	111.7
44926	45291	2043	2044	12.3	4.8	0.0	4.0	24.8	7.4	36.2	13.4	5.2	3.7	111.8
45291	45657	2044	2045	12.3	4.9	0.0	4.0	24.8	7.4	36.2	13.4	5.2	3.7	111.9
45657	46022	2045	2046	12.3	4.9	0.0	4.0	24.8	7.4	36.2	13.4	5.2	3.7	112.0
46022	46387	2046	2047	12.3	4.9	0.0	4.0	24.8	7.4	36.2	13.5	5.2	3.7	112.1
46387	46752	2047	2048	12.4	4.9	0.0	4.0	24.8	7.4	36.2	13.5	5.3	3.7	112.2
46752	47118	2048	2049	12.4	4.9	0.0	4.0	24.8	7.4	36.3	13.5	5.3	3.8	112.3
47118	47483	2049	2050	12.4	4.9	0.0	4.0	24.8	7.4	36.3	13.5	5.3	3.8	112.3
47483	47848	2050	2051	12.4	4.9	0.0	4.0	24.8	7.4	36.3	13.5	5.3	3.8	112.4
47848	48213	2051	2052	12.4	4.9	0.0	4.0	24.8	7.4	36.3	13.5	5.3	3.8	112.5
48213	48579	2052	2053	12.4	4.9	0.0	4.0	24.9	7.5	36.3	13.6	5.3	3.8	112.6
48579	48944	2053	2054	12.4	4.9	0.0	4.0	24.9	7.5	36.3	13.6	5.3	3.8	112.7
48944	49309	2054	2055	12.4	4.9	0.0	4.0	24.9	7.5	36.3	13.6	5.3	3.8	112.7
49309	49674	2055	2056	12.4	4.9	0.0	4.0	24.9	7.5	36.4	13.6	5.4	3.8	112.8
49674	50040	2056	2057	12.4	4.9	0.0	4.0	24.9	7.5	36.4	13.6	5.4	3.9	112.9
50040	50405	2057	2058	12.4	4.9	0.0	4.0	24.9	7.5	36.4	13.6	5.4	3.9	112.9
50405	50770	2058	2059	12.4	4.9	0.0	4.0	24.9	7.5	36.4	13.6	5.4	3.9	113.0
50770	51135	2059	2060	12.4	4.9	0.0	4.0	24.9	7.5	36.4	13.7	5.4	3.9	113.1
51135	51501	2060	2061	12.5	4.9	0.0	4.0	24.9	7.5	36.4	13.7	5.4	3.9	113.1
51501	51866	2061	2062	12.5	4.9	0.0	4.0	24.9	7.5	36.4	13.7	5.4	3.9	113.2
51866	52231	2062	2063	12.5	4.9	0.0	4.0	24.9	7.5	36.4	13.7	5.4	3.9	113.3
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	12.5	4.9	0.0	4.0	24.9	7.5	36.4	13.7	5.4	3.9	113.3
52596	52962	2064	2065	12.5	4.9	0.0	4.0	24.9	7.5	36.4	13.7	5.4	3.9	113.4
52962	53327	2065	2066	12.5	4.9	0.0	4.0	24.9	7.5	36.5	13.7	5.4	3.9	113.4
53327	53692	2066	2067	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.7	5.5	4.0	113.5
53692	54057	2067	2068	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.7	5.5	4.0	113.5
54057	54423	2068	2069	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.6
54423	54788	2069	2070	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.6
54788	55153	2070	2071	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.7
55153	55518	2071	2072	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.7
55518	55884	2072	2073	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.7
55884	56249	2073	2074	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.8
56249	56614	2074	2075	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.8
56614	56979	2075	2076	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.9
56979	57345	2076	2077	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.9
57345	57710	2077	2078	12.5	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	113.9
57710	58075	2078	2079	12.6	4.9	0.0	4.0	25.0	7.5	36.5	13.8	5.5	4.0	114.0
58075	58440	2079	2080	12.6	4.9	0.0	4.0	25.0	7.5	36.6	13.8	5.5	4.1	114.0
58440	58806	2080	2081	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.8	5.5	4.1	114.0
58806	59171	2081	2082	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.8	5.5	4.1	114.1
59171	59536	2082	2083	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.9	5.6	4.1	114.1
59536	59901	2083	2084	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.9	5.6	4.1	114.1
59901	60267	2084	2085	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.9	5.6	4.1	114.2
60267	60632	2085	2086	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.9	5.6	4.1	114.2
60632	60997	2086	2087	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.9	5.6	4.1	114.2
60997	61362	2087	2088	12.6	4.9	0.0	4.1	25.0	7.5	36.6	13.9	5.6	4.1	114.3
61362	61728	2088	2089	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.3
61728	62093	2089	2090	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.3
62093	62458	2090	2091	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.4
62458	62823	2091	2092	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.4
62823	63189	2092	2093	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.4
63189	63554	2093	2094	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.4
63554	63919	2094	2095	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.5
63919	64284	2095	2096	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.5
64284	64650	2096	2097	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.5
64650	65015	2097	2098	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.1	114.5
65015	65380	2098	2099	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.2	114.6
65380	65745	2099	2100	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.2	114.6
65745	66110	2100	2101	12.6	4.9	0.0	4.1	25.1	7.5	36.6	13.9	5.6	4.2	114.6
66110	66475	2101	2102	12.6	4.9	0.0	4.1	25.1	7.5	36.7	13.9	5.6	4.2	114.6
66475	66840	2102	2103	12.6	4.9	0.0	4.1	25.1	7.5	36.7	13.9	5.6	4.2	114.7
66840	67205	2103	2104	12.6	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.6	4.2	114.7
67205	67571	2104	2105	12.6	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.6	4.2	114.7
67571	67936	2105	2106	12.6	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.6	4.2	114.7
67936	68301	2106	2107	12.6	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.6	4.2	114.7
68301	68666	2107	2108	12.6	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.6	4.2	114.8
68666	69032	2108	2109	12.6	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.7	4.2	114.8
69032	69397	2109	2110	12.7	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.7	4.2	114.8
69397	69762	2110	2111	12.7	4.9	0.0	4.1	25.1	7.5	36.7	14.0	5.7	4.2	114.8
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	824	1284	424	188	105	4147
29586	29951	2001	2002	310	108	0	66	808	811	1263	418	190	107	4081
29951	30316	2002	2003	301	103	0	64	796	797	1236	409	191	109	4006
30316	30681	2003	2004	294	100	0	62	784	783	1207	399	192	111	3933
30681	31047	2004	2005	288	98	0	61	774	768	1180	390	192	113	3864
31047	31412	2005	2006	283	97	0	60	764	754	1156	382	192	114	3802
31412	31777	2006	2007	279	95	0	59	756	742	1133	373	192	115	3743
31777	32142	2007	2008	275	94	0	58	747	729	1111	365	191	116	3686
32142	32508	2008	2009	272	93	0	57	739	718	1090	357	189	117	3633
32508	32873	2009	2010	269	92	0	56	732	707	1072	349	188	117	3583
32873	33238	2010	2011	266	92	0	56	725	698	1056	342	186	118	3538
33238	33603	2011	2012	263	91	0	55	719	688	1041	336	184	118	3495
33603	33969	2012	2013	261	91	0	54	713	680	1028	330	182	118	3456
33969	34334	2013	2014	259	90	0	54	708	673	1015	325	180	118	3421
34334	34699	2014	2015	257	90	0	53	702	666	1004	320	178	117	3387

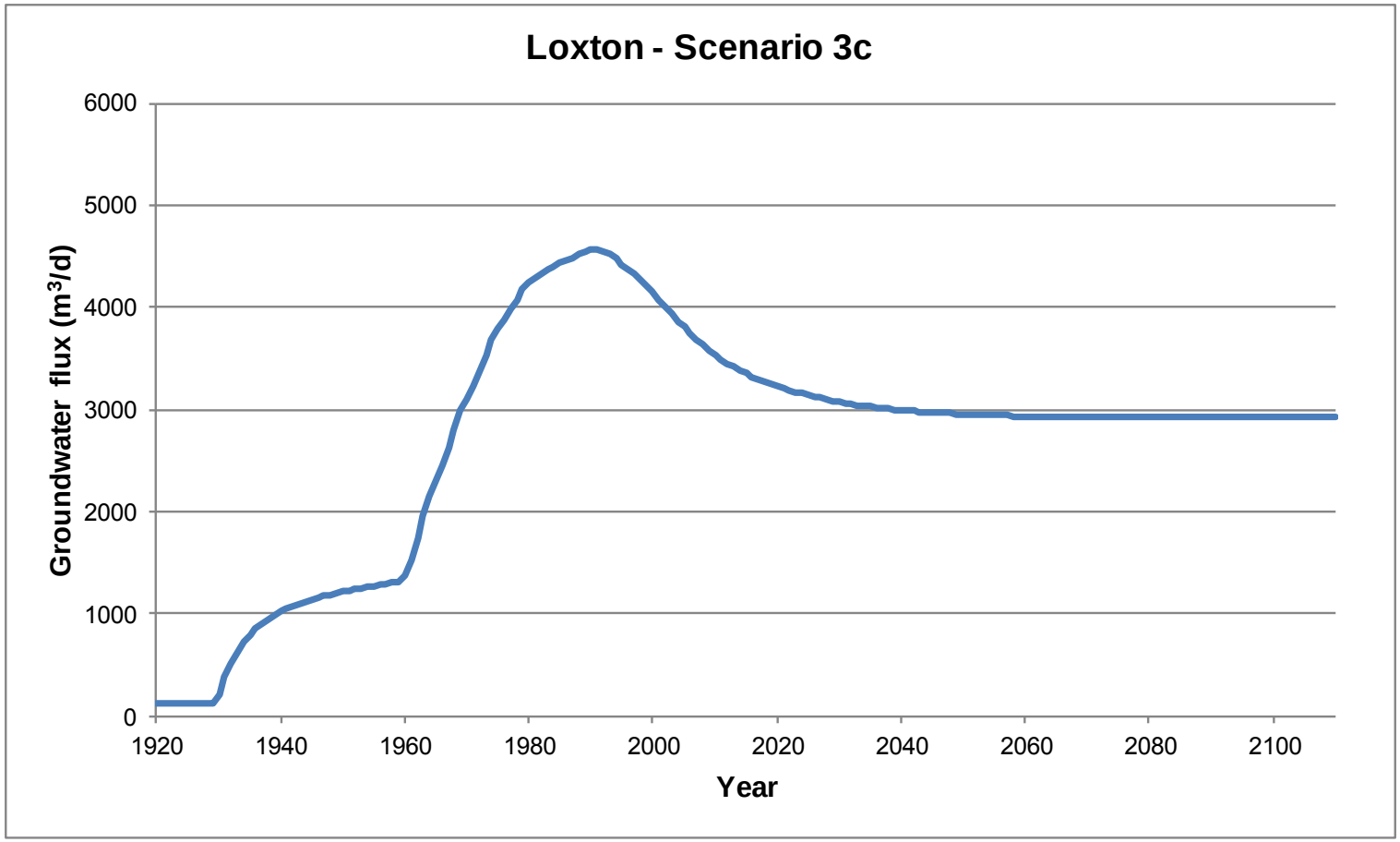
B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	255	89	0	53	698	659	993	316	175	117	3355
35064	35430	2016	2017	253	89	0	52	693	653	983	311	174	117	3326
35430	35795	2017	2018	252	88	0	52	689	648	975	308	172	116	3300
35795	36160	2018	2019	250	88	0	52	686	643	966	304	170	116	3274
36160	36525	2019	2020	249	88	0	51	682	638	959	301	168	115	3251
36525	36891	2020	2021	247	87	0	51	679	634	952	297	167	115	3229
36891	37256	2021	2022	246	87	0	51	676	630	945	295	165	114	3208
37256	37621	2022	2023	245	87	0	50	673	626	939	292	164	114	3189
37621	37986	2023	2024	244	86	0	50	670	623	933	289	163	113	3172
37986	38352	2024	2025	243	86	0	50	668	619	928	287	161	113	3155
38352	38717	2025	2026	242	86	0	50	665	616	923	285	160	112	3140
38717	39082	2026	2027	241	86	0	49	663	613	919	283	159	112	3125
39082	39447	2027	2028	240	86	0	49	661	611	914	281	158	111	3111
39447	39813	2028	2029	239	85	0	49	659	608	910	279	158	111	3099
39813	40178	2029	2030	238	85	0	49	657	606	907	278	157	111	3087
40178	40543	2030	2031	237	85	0	49	656	604	903	276	156	110	3076
40543	40908	2031	2032	237	85	0	49	654	601	900	275	155	110	3065
40908	41274	2032	2033	236	85	0	48	652	600	897	274	155	110	3055
41274	41639	2033	2034	235	85	0	48	651	598	894	272	154	109	3046
41639	42004	2034	2035	235	84	0	48	650	596	891	271	153	109	3038
42004	42369	2035	2036	234	84	0	48	648	594	889	270	153	109	3030
42369	42735	2036	2037	234	84	0	48	647	593	886	269	152	108	3022
42735	43100	2037	2038	233	84	0	48	646	592	884	268	152	108	3015
43100	43465	2038	2039	233	84	0	48	645	590	882	267	151	108	3008
43465	43830	2039	2040	232	84	0	48	644	589	880	267	151	108	3002
43830	44196	2040	2041	232	84	0	47	643	588	878	266	151	108	2996
44196	44561	2041	2042	231	84	0	47	642	587	877	265	150	107	2991
44561	44926	2042	2043	231	84	0	47	641	586	875	265	150	107	2986
44926	45291	2043	2044	231	84	0	47	641	585	874	264	150	107	2981
45291	45657	2044	2045	230	83	0	47	640	584	872	263	149	107	2976
45657	46022	2045	2046	230	83	0	47	639	583	871	263	149	107	2972
46022	46387	2046	2047	230	83	0	47	639	582	870	262	149	107	2968
46387	46752	2047	2048	230	83	0	47	638	581	869	262	149	107	2965
46752	47118	2048	2049	229	83	0	47	637	581	868	261	148	107	2961
47118	47483	2049	2050	229	83	0	47	637	580	867	261	148	106	2958
47483	47848	2050	2051	229	83	0	47	636	579	866	261	148	106	2955
47848	48213	2051	2052	229	83	0	47	636	579	865	260	148	106	2952
48213	48579	2052	2053	228	83	0	47	635	578	864	260	148	106	2950
48579	48944	2053	2054	228	83	0	47	635	578	863	260	148	106	2947
48944	49309	2054	2055	228	83	0	47	635	577	862	260	147	106	2945
49309	49674	2055	2056	228	83	0	47	634	577	862	259	147	106	2943
49674	50040	2056	2057	228	83	0	47	634	576	861	259	147	106	2941
50040	50405	2057	2058	228	83	0	46	634	576	861	259	147	106	2939
50405	50770	2058	2059	227	83	0	46	633	576	860	259	147	106	2937
50770	51135	2059	2060	227	83	0	46	633	575	860	258	147	106	2936
51135	51501	2060	2061	227	83	0	46	633	575	859	258	147	106	2934
51501	51866	2061	2062	227	83	0	46	632	575	859	258	147	106	2933
51866	52231	2062	2063	227	83	0	46	632	575	858	258	147	106	2932

B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	227	83	0	46	632	574	858	258	147	106	2931
52596	52962	2064	2065	227	83	0	46	632	574	858	258	147	106	2930
52962	53327	2065	2066	227	83	0	46	632	574	857	258	147	106	2929
53327	53692	2066	2067	227	83	0	46	632	574	857	258	147	106	2928
53692	54057	2067	2068	227	83	0	46	631	573	857	258	147	106	2927
54057	54423	2068	2069	227	83	0	46	631	573	857	258	147	106	2927
54423	54788	2069	2070	227	83	0	46	631	573	856	258	147	106	2926
54788	55153	2070	2071	226	83	0	46	631	573	856	257	147	106	2926
55153	55518	2071	2072	226	83	0	46	631	573	856	257	147	106	2925
55518	55884	2072	2073	226	83	0	46	631	573	856	257	147	106	2925
55884	56249	2073	2074	226	83	0	46	631	573	856	257	147	106	2924
56249	56614	2074	2075	226	83	0	46	631	573	856	257	147	106	2924
56614	56979	2075	2076	226	83	0	46	631	573	856	257	147	106	2924
56979	57345	2076	2077	226	83	0	46	630	573	856	257	147	106	2924
57345	57710	2077	2078	226	83	0	46	630	572	856	257	147	106	2924
57710	58075	2078	2079	226	83	0	46	630	572	856	257	147	106	2924
58075	58440	2079	2080	226	83	0	46	630	572	856	258	147	106	2924
58440	58806	2080	2081	226	83	0	46	630	572	856	258	147	106	2924
58806	59171	2081	2082	226	83	0	46	630	572	856	258	147	106	2924
59171	59536	2082	2083	226	83	0	46	630	572	856	258	147	106	2924
59536	59901	2083	2084	226	83	0	46	630	572	856	258	147	106	2924
59901	60267	2084	2085	226	83	0	46	630	572	856	258	147	106	2924
60267	60632	2085	2086	226	83	0	46	630	572	856	258	147	106	2924
60632	60997	2086	2087	226	83	0	46	630	572	856	258	147	106	2924
60997	61362	2087	2088	226	83	0	46	630	572	856	258	147	106	2925
61362	61728	2088	2089	226	83	0	46	630	572	856	258	147	106	2925
61728	62093	2089	2090	226	83	0	46	630	572	856	258	147	107	2925
62093	62458	2090	2091	226	83	0	46	630	573	856	258	147	107	2926
62458	62823	2091	2092	226	83	0	46	630	573	856	258	147	107	2926
62823	63189	2092	2093	226	83	0	46	630	573	856	258	147	107	2926
63189	63554	2093	2094	226	83	0	46	630	573	856	258	147	107	2927
63554	63919	2094	2095	226	83	0	46	630	573	857	258	148	107	2927
63919	64284	2095	2096	226	83	0	46	631	573	857	258	148	107	2928
64284	64650	2096	2097	226	83	0	46	631	573	857	259	148	107	2928
64650	65015	2097	2098	226	83	0	46	631	573	857	259	148	107	2929
65015	65380	2098	2099	226	83	0	46	631	573	857	259	148	107	2929
65380	65745	2099	2100	226	83	0	46	631	573	857	259	148	107	2930
65745	66110	2100	2101	226	83	0	46	631	573	857	259	148	107	2930
66110	66475	2101	2102	226	83	0	46	631	573	858	259	148	107	2931
66475	66840	2102	2103	226	83	0	46	631	573	858	259	148	107	2931
66840	67205	2103	2104	226	83	0	46	631	573	858	259	148	107	2932
67205	67571	2104	2105	226	83	0	46	631	574	858	259	148	107	2933
67571	67936	2105	2106	227	83	0	46	631	574	858	259	148	107	2933
67936	68301	2106	2107	227	83	0	46	631	574	858	260	148	107	2934
68301	68666	2107	2108	227	83	0	46	631	574	859	260	148	107	2934
68666	69032	2108	2109	227	83	0	46	631	574	859	260	148	107	2935
69032	69397	2109	2110	227	83	0	46	631	574	859	260	148	108	2936
69397	69762	2110	2111	227	83	0	46	631	574	859	260	149	108	2936

B-3a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.7	3.1	0.0	2.6	18.6	5.7	29.1	10.0	3.7	2.5	83.0
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.3	5.6	28.4	9.8	3.7	2.5	81.4
30316	30681	2003	2004	7.3	2.9	0.0	2.4	18.0	5.5	27.8	9.6	3.7	2.6	79.8
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.8	5.4	27.1	9.4	3.7	2.6	78.4
31047	31412	2005	2006	7.1	2.8	0.0	2.3	17.6	5.3	26.6	9.2	3.7	2.6	77.2
31412	31777	2006	2007	7.0	2.8	0.0	2.3	17.4	5.2	26.0	9.0	3.7	2.7	76.0
31777	32142	2007	2008	6.9	2.7	0.0	2.3	17.2	5.1	25.5	8.8	3.7	2.7	74.8
32142	32508	2008	2009	6.8	2.7	0.0	2.2	17.0	5.0	25.1	8.6	3.7	2.7	73.8
32508	32873	2009	2010	6.7	2.7	0.0	2.2	16.8	4.9	24.7	8.4	3.6	2.7	72.8
32873	33238	2010	2011	6.6	2.7	0.0	2.2	16.7	4.9	24.3	8.2	3.6	2.7	71.9
33238	33603	2011	2012	6.6	2.6	0.0	2.1	16.5	4.8	23.9	8.1	3.6	2.7	71.0
33603	33969	2012	2013	6.5	2.6	0.0	2.1	16.4	4.8	23.6	7.9	3.5	2.7	70.2
33969	34334	2013	2014	6.5	2.6	0.0	2.1	16.3	4.7	23.3	7.8	3.5	2.7	69.5
34334	34699	2014	2015	6.4	2.6	0.0	2.1	16.2	4.7	23.1	7.7	3.4	2.7	68.8
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

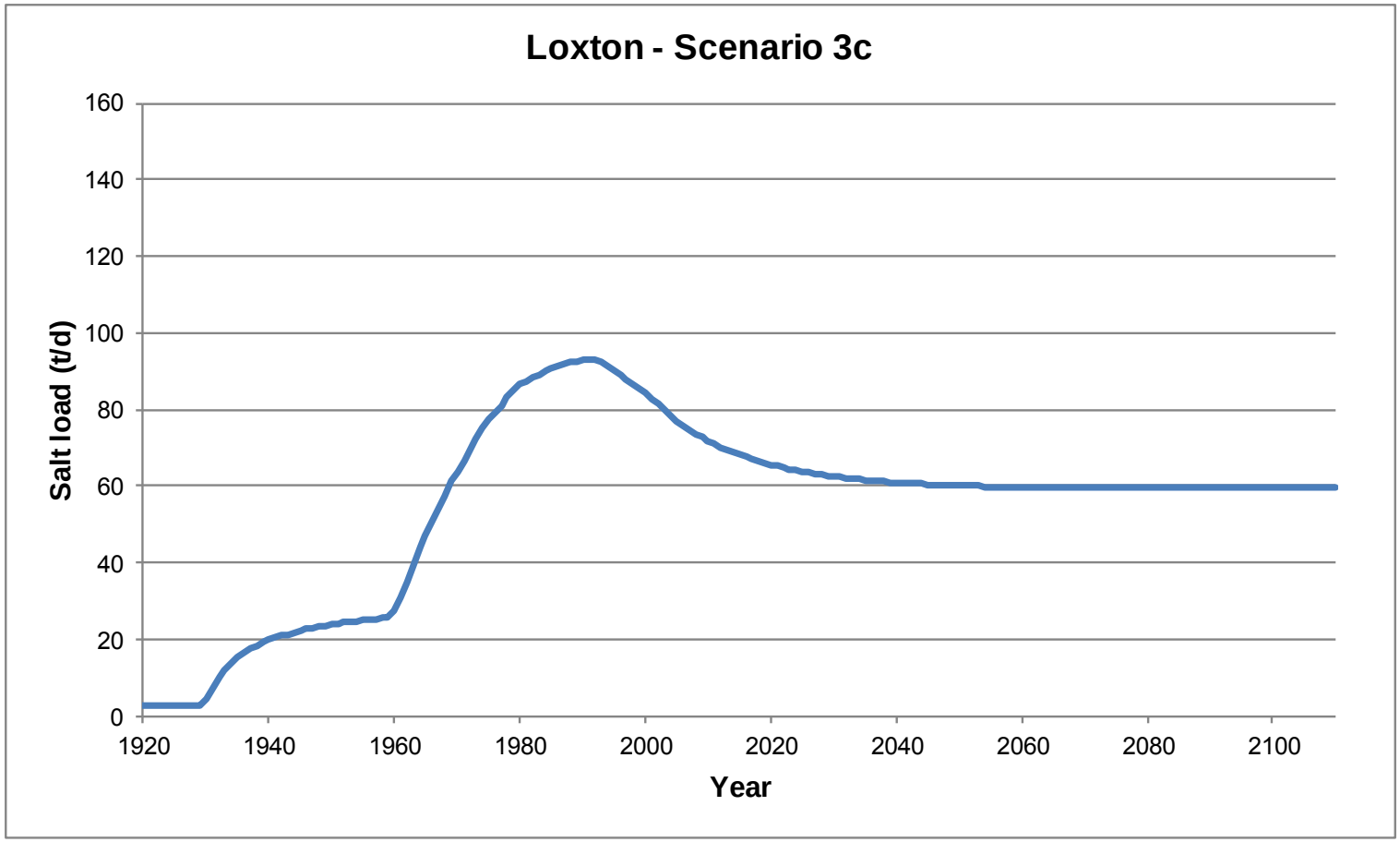
B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	6.4	2.6	0.0	2.1	16.0	4.6	22.8	7.6	3.4	2.7	68.2
35064	35430	2016	2017	6.3	2.6	0.0	2.0	15.9	4.6	22.6	7.5	3.4	2.7	67.6
35430	35795	2017	2018	6.3	2.6	0.0	2.0	15.9	4.5	22.4	7.4	3.3	2.7	67.1
35795	36160	2018	2019	6.3	2.6	0.0	2.0	15.8	4.5	22.2	7.3	3.3	2.7	66.6
36160	36525	2019	2020	6.2	2.5	0.0	2.0	15.7	4.5	22.1	7.2	3.3	2.6	66.1
36525	36891	2020	2021	6.2	2.5	0.0	2.0	15.6	4.4	21.9	7.1	3.2	2.6	65.7
36891	37256	2021	2022	6.2	2.5	0.0	2.0	15.5	4.4	21.7	7.1	3.2	2.6	65.2
37256	37621	2022	2023	6.1	2.5	0.0	2.0	15.5	4.4	21.6	7.0	3.2	2.6	64.9
37621	37986	2023	2024	6.1	2.5	0.0	2.0	15.4	4.4	21.5	6.9	3.2	2.6	64.5
37986	38352	2024	2025	6.1	2.5	0.0	1.9	15.4	4.3	21.3	6.9	3.1	2.6	64.2
38352	38717	2025	2026	6.0	2.5	0.0	1.9	15.3	4.3	21.2	6.8	3.1	2.6	63.9
38717	39082	2026	2027	6.0	2.5	0.0	1.9	15.3	4.3	21.1	6.8	3.1	2.6	63.6
39082	39447	2027	2028	6.0	2.5	0.0	1.9	15.2	4.3	21.0	6.7	3.1	2.6	63.3
39447	39813	2028	2029	6.0	2.5	0.0	1.9	15.2	4.3	20.9	6.7	3.1	2.6	63.0
39813	40178	2029	2030	6.0	2.5	0.0	1.9	15.1	4.2	20.9	6.7	3.0	2.5	62.8
40178	40543	2030	2031	5.9	2.5	0.0	1.9	15.1	4.2	20.8	6.6	3.0	2.5	62.6
40543	40908	2031	2032	5.9	2.5	0.0	1.9	15.0	4.2	20.7	6.6	3.0	2.5	62.4
40908	41274	2032	2033	5.9	2.5	0.0	1.9	15.0	4.2	20.6	6.6	3.0	2.5	62.2
41274	41639	2033	2034	5.9	2.5	0.0	1.9	15.0	4.2	20.6	6.5	3.0	2.5	62.0
41639	42004	2034	2035	5.9	2.4	0.0	1.9	14.9	4.2	20.5	6.5	3.0	2.5	61.8
42004	42369	2035	2036	5.9	2.4	0.0	1.9	14.9	4.2	20.4	6.5	3.0	2.5	61.6
42369	42735	2036	2037	5.8	2.4	0.0	1.9	14.9	4.2	20.4	6.5	3.0	2.5	61.5
42735	43100	2037	2038	5.8	2.4	0.0	1.9	14.9	4.1	20.3	6.4	2.9	2.5	61.3
43100	43465	2038	2039	5.8	2.4	0.0	1.9	14.8	4.1	20.3	6.4	2.9	2.5	61.2
43465	43830	2039	2040	5.8	2.4	0.0	1.9	14.8	4.1	20.2	6.4	2.9	2.5	61.1
43830	44196	2040	2041	5.8	2.4	0.0	1.9	14.8	4.1	20.2	6.4	2.9	2.5	61.0
44196	44561	2041	2042	5.8	2.4	0.0	1.8	14.8	4.1	20.2	6.4	2.9	2.5	60.9
44561	44926	2042	2043	5.8	2.4	0.0	1.8	14.8	4.1	20.1	6.3	2.9	2.5	60.7
44926	45291	2043	2044	5.8	2.4	0.0	1.8	14.7	4.1	20.1	6.3	2.9	2.5	60.7
45291	45657	2044	2045	5.8	2.4	0.0	1.8	14.7	4.1	20.1	6.3	2.9	2.5	60.6
45657	46022	2045	2046	5.8	2.4	0.0	1.8	14.7	4.1	20.0	6.3	2.9	2.5	60.5
46022	46387	2046	2047	5.7	2.4	0.0	1.8	14.7	4.1	20.0	6.3	2.9	2.5	60.4
46387	46752	2047	2048	5.7	2.4	0.0	1.8	14.7	4.1	20.0	6.3	2.9	2.5	60.3
46752	47118	2048	2049	5.7	2.4	0.0	1.8	14.7	4.1	20.0	6.3	2.9	2.4	60.3
47118	47483	2049	2050	5.7	2.4	0.0	1.8	14.6	4.1	19.9	6.3	2.9	2.4	60.2
47483	47848	2050	2051	5.7	2.4	0.0	1.8	14.6	4.1	19.9	6.3	2.9	2.4	60.1
47848	48213	2051	2052	5.7	2.4	0.0	1.8	14.6	4.1	19.9	6.2	2.9	2.4	60.1
48213	48579	2052	2053	5.7	2.4	0.0	1.8	14.6	4.0	19.9	6.2	2.9	2.4	60.0
48579	48944	2053	2054	5.7	2.4	0.0	1.8	14.6	4.0	19.9	6.2	2.9	2.4	60.0
48944	49309	2054	2055	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.9
49309	49674	2055	2056	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.9
49674	50040	2056	2057	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.8
50040	50405	2057	2058	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.8
50405	50770	2058	2059	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.8
50770	51135	2059	2060	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.7
51135	51501	2060	2061	5.7	2.4	0.0	1.8	14.6	4.0	19.8	6.2	2.9	2.4	59.7
51501	51866	2061	2062	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.7
51866	52231	2062	2063	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.7
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.6
52596	52962	2064	2065	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.6
52962	53327	2065	2066	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.6
53327	53692	2066	2067	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.6
53692	54057	2067	2068	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.6
54057	54423	2068	2069	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.6
54423	54788	2069	2070	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
54788	55153	2070	2071	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
55153	55518	2071	2072	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
55518	55884	2072	2073	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
55884	56249	2073	2074	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
56249	56614	2074	2075	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
56614	56979	2075	2076	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
56979	57345	2076	2077	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
57345	57710	2077	2078	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
57710	58075	2078	2079	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
58075	58440	2079	2080	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
58440	58806	2080	2081	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
58806	59171	2081	2082	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
59171	59536	2082	2083	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.8	2.4	59.5
59536	59901	2083	2084	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
59901	60267	2084	2085	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
60267	60632	2085	2086	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
60632	60997	2086	2087	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
60997	61362	2087	2088	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
61362	61728	2088	2089	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
61728	62093	2089	2090	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.4	59.5
62093	62458	2090	2091	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.5
62458	62823	2091	2092	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
62823	63189	2092	2093	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
63189	63554	2093	2094	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
63554	63919	2094	2095	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
63919	64284	2095	2096	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
64284	64650	2096	2097	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
64650	65015	2097	2098	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
65015	65380	2098	2099	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
65380	65745	2099	2100	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
65745	66110	2100	2101	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.6
66110	66475	2101	2102	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
66475	66840	2102	2103	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
66840	67205	2103	2104	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
67205	67571	2104	2105	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
67571	67936	2105	2106	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
67936	68301	2106	2107	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
68301	68666	2107	2108	5.7	2.4	0.0	1.8	14.5	4.0	19.7	6.2	2.9	2.5	59.7
68666	69032	2108	2109	5.7	2.4	0.0	1.8	14.5	4.0	19.8	6.2	2.9	2.5	59.7
69032	69397	2109	2110	5.7	2.4	0.0	1.8	14.5	4.0	19.8	6.2	2.9	2.5	59.8
69397	69762	2110	2111	5.7	2.4	0.0	1.8	14.5	4.0	19.8	6.2	2.9	2.5	59.8
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 3c) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	825	1285	424	188	105	4148
29586	29951	2001	2002	310	108	0	66	808	812	1263	418	190	107	4082
29951	30316	2002	2003	301	103	0	64	796	797	1236	409	191	109	4007
30316	30681	2003	2004	294	100	0	63	785	783	1207	399	192	111	3933
30681	31047	2004	2005	288	98	0	61	774	768	1180	390	192	113	3865
31047	31412	2005	2006	284	99	0	62	766	755	1156	382	192	114	3809
31412	31777	2006	2007	280	99	0	62	758	742	1133	374	192	115	3756
31777	32142	2007	2008	277	99	0	64	753	731	1113	366	191	116	3710
32142	32508	2008	2009	274	100	0	65	748	720	1095	359	191	117	3669
32508	32873	2009	2010	272	100	0	65	743	711	1078	353	190	118	3629
32873	33238	2010	2011	271	99	0	65	737	702	1064	347	189	118	3593
33238	33603	2011	2012	269	99	0	65	732	694	1051	342	188	119	3558
33603	33969	2012	2013	267	99	0	65	728	687	1039	337	186	119	3526
33969	34334	2013	2014	266	99	0	64	723	681	1028	332	184	119	3497
34334	34699	2014	2015	265	98	0	64	720	675	1020	329	183	119	3472

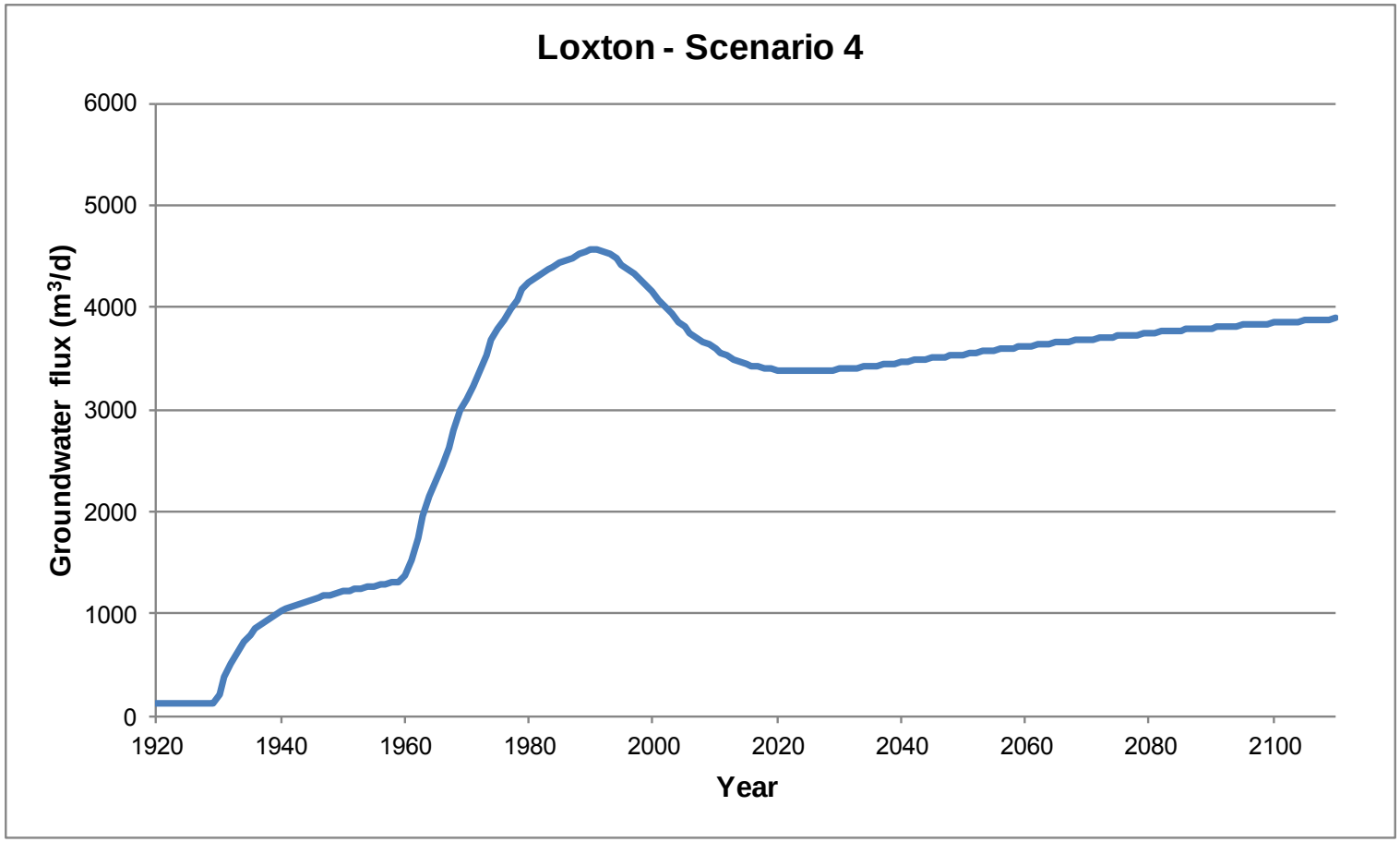
B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	266	98	0	64	716	671	1013	325	181	119	3452
35064	35430	2016	2017	267	98	0	63	713	666	1006	322	180	119	3434
35430	35795	2017	2018	267	98	0	63	710	663	1001	319	179	119	3419
35795	36160	2018	2019	268	97	0	63	708	660	996	317	177	119	3406
36160	36525	2019	2020	268	97	0	63	706	658	993	315	176	118	3396
36525	36891	2020	2021	269	97	0	63	705	656	991	314	175	118	3387
36891	37256	2021	2022	269	97	0	62	703	655	989	313	175	118	3382
37256	37621	2022	2023	270	97	0	62	703	654	988	312	174	118	3378
37621	37986	2023	2024	270	97	0	62	702	654	988	312	174	118	3376
37986	38352	2024	2025	271	97	0	62	702	653	988	311	173	118	3376
38352	38717	2025	2026	272	97	0	62	701	654	989	311	173	118	3376
38717	39082	2026	2027	272	97	0	62	701	654	990	311	173	117	3378
39082	39447	2027	2028	273	97	0	62	702	654	991	312	173	117	3381
39447	39813	2028	2029	274	97	0	62	702	655	992	312	173	118	3385
39813	40178	2029	2030	275	97	0	62	702	656	994	313	173	118	3389
40178	40543	2030	2031	276	97	0	62	703	657	996	313	173	118	3394
40543	40908	2031	2032	276	97	0	62	704	658	998	314	173	118	3400
40908	41274	2032	2033	277	97	0	62	704	659	1000	315	174	118	3406
41274	41639	2033	2034	278	97	0	62	705	660	1002	315	174	118	3412
41639	42004	2034	2035	279	97	0	63	706	662	1004	316	174	118	3419
42004	42369	2035	2036	280	97	0	63	707	663	1006	317	174	118	3426
42369	42735	2036	2037	281	97	0	63	708	664	1008	318	175	119	3433
42735	43100	2037	2038	282	98	0	63	709	666	1011	319	175	119	3440
43100	43465	2038	2039	283	98	0	63	710	667	1013	320	176	119	3448
43465	43830	2039	2040	283	98	0	63	711	669	1015	321	176	119	3456
43830	44196	2040	2041	284	98	0	63	713	670	1018	322	177	120	3463
44196	44561	2041	2042	285	98	0	63	714	672	1020	322	177	120	3471
44561	44926	2042	2043	286	98	0	63	715	673	1022	323	178	120	3479
44926	45291	2043	2044	287	98	0	63	716	675	1025	324	178	120	3487
45291	45657	2044	2045	288	98	0	64	717	676	1027	325	179	121	3495
45657	46022	2045	2046	289	99	0	64	718	678	1029	326	179	121	3503
46022	46387	2046	2047	289	99	0	64	720	679	1032	327	180	121	3511
46387	46752	2047	2048	290	99	0	64	721	681	1034	328	180	122	3519
46752	47118	2048	2049	291	99	0	64	722	682	1036	329	181	122	3527
47118	47483	2049	2050	292	99	0	64	723	684	1039	330	181	122	3534
47483	47848	2050	2051	293	99	0	64	724	685	1041	331	182	123	3542
47848	48213	2051	2052	294	99	0	64	725	687	1043	332	182	123	3550
48213	48579	2052	2053	294	99	0	64	727	688	1046	333	183	123	3558
48579	48944	2053	2054	295	100	0	64	728	690	1048	334	183	124	3565
48944	49309	2054	2055	296	100	0	65	729	691	1050	335	184	124	3573
49309	49674	2055	2056	297	100	0	65	730	693	1052	336	184	124	3581
49674	50040	2056	2057	297	100	0	65	731	694	1055	337	185	125	3588
50040	50405	2057	2058	298	100	0	65	732	695	1057	338	185	125	3595
50405	50770	2058	2059	299	100	0	65	733	697	1059	339	186	125	3603
50770	51135	2059	2060	300	100	0	65	734	698	1061	340	186	126	3610
51135	51501	2060	2061	300	100	0	65	735	700	1063	341	187	126	3617
51501	51866	2061	2062	301	100	0	65	737	701	1065	342	187	126	3625
51866	52231	2062	2063	302	101	0	65	738	702	1067	343	188	127	3632

B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	302	101	0	66	739	704	1069	344	188	127	3639
52596	52962	2064	2065	303	101	0	66	740	705	1071	345	189	127	3646
52962	53327	2065	2066	303	101	0	66	741	706	1073	346	189	127	3653
53327	53692	2066	2067	304	101	0	66	742	707	1075	347	190	128	3660
53692	54057	2067	2068	305	101	0	66	743	709	1077	348	190	128	3666
54057	54423	2068	2069	305	101	0	66	743	710	1079	349	191	128	3673
54423	54788	2069	2070	306	101	0	66	744	711	1081	350	191	129	3680
54788	55153	2070	2071	306	101	0	66	745	712	1083	351	192	129	3686
55153	55518	2071	2072	307	102	0	66	746	713	1085	352	192	129	3692
55518	55884	2072	2073	308	102	0	66	747	715	1087	353	193	130	3699
55884	56249	2073	2074	308	102	0	66	748	716	1088	354	193	130	3705
56249	56614	2074	2075	309	102	0	67	749	717	1090	355	194	130	3711
56614	56979	2075	2076	309	102	0	67	750	718	1092	356	194	131	3718
56979	57345	2076	2077	310	102	0	67	751	719	1094	356	195	131	3724
57345	57710	2077	2078	310	102	0	67	751	720	1095	357	195	131	3730
57710	58075	2078	2079	311	102	0	67	752	721	1097	358	196	132	3736
58075	58440	2079	2080	311	102	0	67	753	722	1099	359	196	132	3741
58440	58806	2080	2081	311	102	0	67	754	723	1100	360	197	132	3747
58806	59171	2081	2082	312	102	0	67	755	724	1102	361	197	133	3753
59171	59536	2082	2083	312	102	0	67	755	725	1104	362	198	133	3759
59536	59901	2083	2084	313	103	0	67	756	726	1105	362	198	133	3764
59901	60267	2084	2085	313	103	0	67	757	727	1107	363	199	134	3770
60267	60632	2085	2086	314	103	0	67	758	728	1109	364	199	134	3775
60632	60997	2086	2087	314	103	0	67	758	729	1110	365	200	134	3780
60997	61362	2087	2088	314	103	0	67	759	730	1112	365	200	134	3786
61362	61728	2088	2089	315	103	0	68	760	731	1113	366	200	135	3791
61728	62093	2089	2090	315	103	0	68	760	732	1115	367	201	135	3796
62093	62458	2090	2091	316	103	0	68	761	733	1116	368	201	135	3801
62458	62823	2091	2092	316	103	0	68	762	734	1118	369	202	136	3806
62823	63189	2092	2093	316	103	0	68	763	735	1119	369	202	136	3811
63189	63554	2093	2094	317	103	0	68	763	736	1120	370	203	136	3816
63554	63919	2094	2095	317	103	0	68	764	737	1122	371	203	137	3821
63919	64284	2095	2096	317	103	0	68	764	737	1123	371	203	137	3826
64284	64650	2096	2097	318	103	0	68	765	738	1125	372	204	137	3830
64650	65015	2097	2098	318	103	0	68	766	739	1126	373	204	137	3835
65015	65380	2098	2099	318	104	0	68	766	740	1127	374	205	138	3840
65380	65745	2099	2100	319	104	0	68	767	741	1129	374	205	138	3844
65745	66110	2100	2101	319	104	0	68	767	742	1130	375	206	138	3849
66110	66475	2101	2102	319	104	0	68	768	742	1131	376	206	138	3853
66475	66840	2102	2103	320	104	0	68	769	743	1133	376	206	139	3857
66840	67205	2103	2104	320	104	0	68	769	744	1134	377	207	139	3862
67205	67571	2104	2105	320	104	0	68	770	745	1135	378	207	139	3866
67571	67936	2105	2106	321	104	0	69	770	745	1136	378	208	140	3870
67936	68301	2106	2107	321	104	0	69	771	746	1138	379	208	140	3875
68301	68666	2107	2108	321	104	0	69	771	747	1139	379	208	140	3879
68666	69032	2108	2109	321	104	0	69	772	748	1140	380	209	140	3883
69032	69397	2109	2110	322	104	0	69	772	748	1141	381	209	141	3887
69397	69762	2110	2111	322	104	0	69	773	749	1142	381	209	141	3891

B-3a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.8	3.1	0.0	2.6	18.6	5.7	29.1	10.0	3.7	2.5	83.0
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.3	5.6	28.4	9.8	3.7	2.5	81.4
30316	30681	2003	2004	7.4	2.9	0.0	2.4	18.0	5.5	27.8	9.6	3.7	2.6	79.8
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.8	5.4	27.1	9.4	3.7	2.6	78.4
31047	31412	2005	2006	7.1	2.9	0.0	2.4	17.6	5.3	26.6	9.2	3.7	2.6	77.4
31412	31777	2006	2007	7.0	2.9	0.0	2.4	17.4	5.2	26.1	9.0	3.7	2.7	76.3
31777	32142	2007	2008	6.9	2.9	0.0	2.5	17.3	5.1	25.6	8.8	3.7	2.7	75.5
32142	32508	2008	2009	6.9	2.9	0.0	2.5	17.2	5.0	25.2	8.6	3.7	2.7	74.7
32508	32873	2009	2010	6.8	2.9	0.0	2.5	17.1	5.0	24.8	8.5	3.7	2.7	74.0
32873	33238	2010	2011	6.8	2.9	0.0	2.5	17.0	4.9	24.5	8.3	3.7	2.7	73.2
33238	33603	2011	2012	6.7	2.9	0.0	2.5	16.8	4.9	24.2	8.2	3.6	2.7	72.6
33603	33969	2012	2013	6.7	2.9	0.0	2.5	16.7	4.8	23.9	8.1	3.6	2.7	71.9
33969	34334	2013	2014	6.6	2.9	0.0	2.5	16.6	4.8	23.7	8.0	3.6	2.7	71.4
34334	34699	2014	2015	6.6	2.9	0.0	2.5	16.5	4.7	23.5	7.9	3.5	2.7	70.9
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

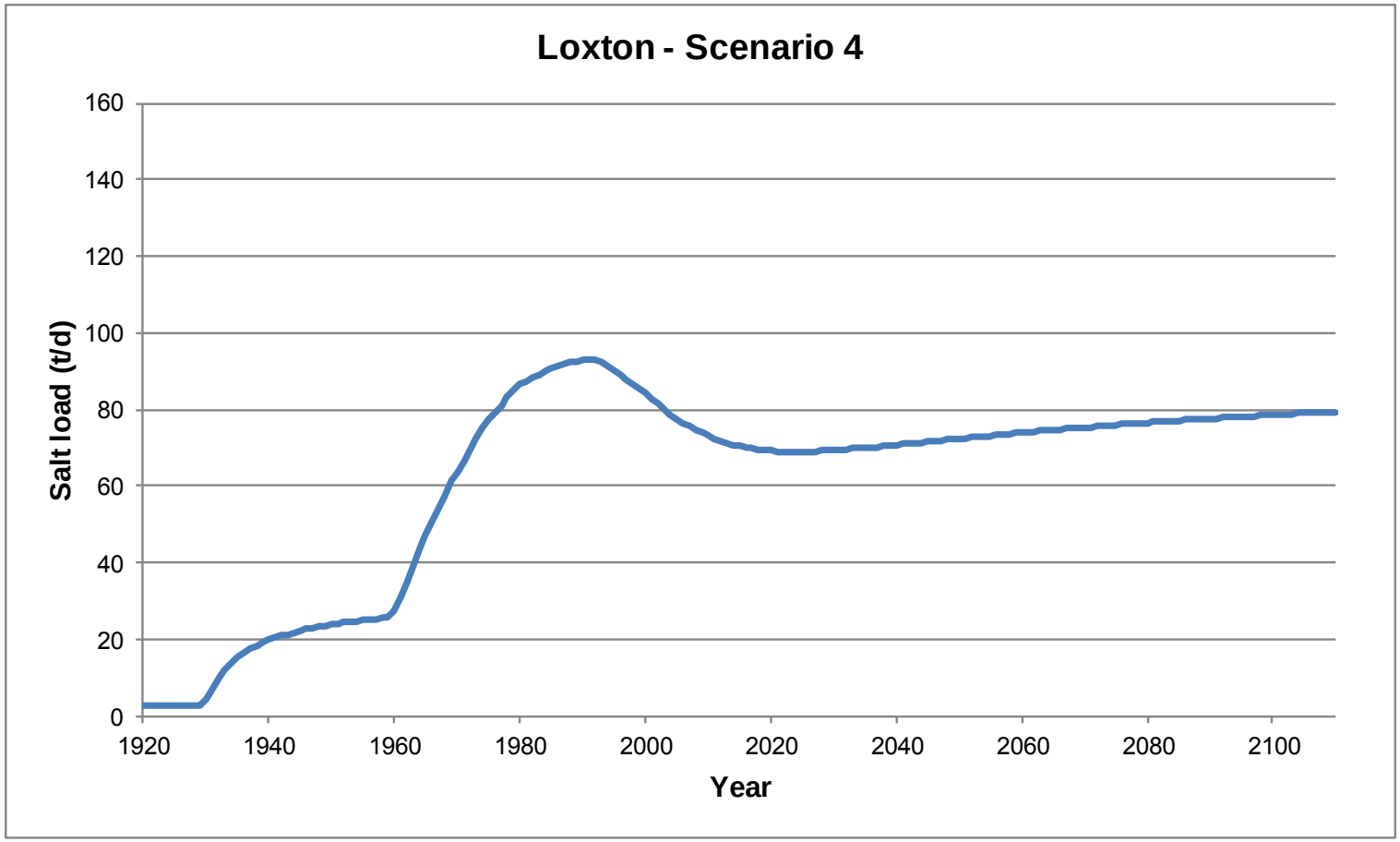
B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	6.6	2.8	0.0	2.5	16.5	4.7	23.3	7.8	3.5	2.7	70.5
35064	35430	2016	2017	6.7	2.8	0.0	2.5	16.4	4.7	23.1	7.7	3.5	2.7	70.1
35430	35795	2017	2018	6.7	2.8	0.0	2.5	16.3	4.6	23.0	7.7	3.5	2.7	69.8
35795	36160	2018	2019	6.7	2.8	0.0	2.5	16.3	4.6	22.9	7.6	3.4	2.7	69.6
36160	36525	2019	2020	6.7	2.8	0.0	2.4	16.2	4.6	22.8	7.6	3.4	2.7	69.4
36525	36891	2020	2021	6.7	2.8	0.0	2.4	16.2	4.6	22.8	7.5	3.4	2.7	69.2
36891	37256	2021	2022	6.7	2.8	0.0	2.4	16.2	4.6	22.8	7.5	3.4	2.7	69.1
37256	37621	2022	2023	6.7	2.8	0.0	2.4	16.2	4.6	22.7	7.5	3.4	2.7	69.0
37621	37986	2023	2024	6.8	2.8	0.0	2.4	16.1	4.6	22.7	7.5	3.4	2.7	69.0
37986	38352	2024	2025	6.8	2.8	0.0	2.4	16.1	4.6	22.7	7.5	3.4	2.7	69.0
38352	38717	2025	2026	6.8	2.8	0.0	2.4	16.1	4.6	22.7	7.5	3.4	2.7	69.0
38717	39082	2026	2027	6.8	2.8	0.0	2.4	16.1	4.6	22.8	7.5	3.4	2.7	69.0
39082	39447	2027	2028	6.8	2.8	0.0	2.4	16.1	4.6	22.8	7.5	3.4	2.7	69.1
39447	39813	2028	2029	6.8	2.8	0.0	2.4	16.1	4.6	22.8	7.5	3.4	2.7	69.2
39813	40178	2029	2030	6.9	2.8	0.0	2.4	16.2	4.6	22.9	7.5	3.4	2.7	69.3
40178	40543	2030	2031	6.9	2.8	0.0	2.4	16.2	4.6	22.9	7.5	3.4	2.7	69.4
40543	40908	2031	2032	6.9	2.8	0.0	2.4	16.2	4.6	22.9	7.5	3.4	2.7	69.5
40908	41274	2032	2033	6.9	2.8	0.0	2.4	16.2	4.6	23.0	7.5	3.4	2.7	69.6
41274	41639	2033	2034	7.0	2.8	0.0	2.4	16.2	4.6	23.0	7.6	3.4	2.7	69.7
41639	42004	2034	2035	7.0	2.8	0.0	2.4	16.2	4.6	23.1	7.6	3.4	2.7	69.9
42004	42369	2035	2036	7.0	2.8	0.0	2.4	16.3	4.6	23.1	7.6	3.4	2.7	70.0
42369	42735	2036	2037	7.0	2.8	0.0	2.4	16.3	4.7	23.2	7.6	3.4	2.7	70.2
42735	43100	2037	2038	7.0	2.8	0.0	2.4	16.3	4.7	23.2	7.6	3.4	2.7	70.3
43100	43465	2038	2039	7.1	2.8	0.0	2.5	16.3	4.7	23.3	7.7	3.4	2.7	70.5
43465	43830	2039	2040	7.1	2.8	0.0	2.5	16.4	4.7	23.3	7.7	3.4	2.7	70.6
43830	44196	2040	2041	7.1	2.8	0.0	2.5	16.4	4.7	23.4	7.7	3.4	2.8	70.8
44196	44561	2041	2042	7.1	2.8	0.0	2.5	16.4	4.7	23.5	7.7	3.4	2.8	70.9
44561	44926	2042	2043	7.2	2.8	0.0	2.5	16.4	4.7	23.5	7.8	3.4	2.8	71.1
44926	45291	2043	2044	7.2	2.9	0.0	2.5	16.5	4.7	23.6	7.8	3.5	2.8	71.3
45291	45657	2044	2045	7.2	2.9	0.0	2.5	16.5	4.7	23.6	7.8	3.5	2.8	71.4
45657	46022	2045	2046	7.2	2.9	0.0	2.5	16.5	4.7	23.7	7.8	3.5	2.8	71.6
46022	46387	2046	2047	7.2	2.9	0.0	2.5	16.5	4.8	23.7	7.9	3.5	2.8	71.7
46387	46752	2047	2048	7.3	2.9	0.0	2.5	16.6	4.8	23.8	7.9	3.5	2.8	71.9
46752	47118	2048	2049	7.3	2.9	0.0	2.5	16.6	4.8	23.8	7.9	3.5	2.8	72.1
47118	47483	2049	2050	7.3	2.9	0.0	2.5	16.6	4.8	23.9	7.9	3.5	2.8	72.2
47483	47848	2050	2051	7.3	2.9	0.0	2.5	16.7	4.8	23.9	7.9	3.5	2.8	72.4
47848	48213	2051	2052	7.3	2.9	0.0	2.5	16.7	4.8	24.0	8.0	3.5	2.8	72.5
48213	48579	2052	2053	7.4	2.9	0.0	2.5	16.7	4.8	24.0	8.0	3.5	2.8	72.7
48579	48944	2053	2054	7.4	2.9	0.0	2.5	16.7	4.8	24.1	8.0	3.6	2.8	72.9
48944	49309	2054	2055	7.4	2.9	0.0	2.5	16.8	4.8	24.2	8.0	3.6	2.9	73.0
49309	49674	2055	2056	7.4	2.9	0.0	2.5	16.8	4.8	24.2	8.1	3.6	2.9	73.2
49674	50040	2056	2057	7.4	2.9	0.0	2.5	16.8	4.9	24.3	8.1	3.6	2.9	73.3
50040	50405	2057	2058	7.5	2.9	0.0	2.5	16.8	4.9	24.3	8.1	3.6	2.9	73.5
50405	50770	2058	2059	7.5	2.9	0.0	2.5	16.9	4.9	24.4	8.1	3.6	2.9	73.6
50770	51135	2059	2060	7.5	2.9	0.0	2.5	16.9	4.9	24.4	8.2	3.6	2.9	73.8
51135	51501	2060	2061	7.5	2.9	0.0	2.5	16.9	4.9	24.4	8.2	3.6	2.9	73.9
51501	51866	2061	2062	7.5	2.9	0.0	2.5	16.9	4.9	24.5	8.2	3.6	2.9	74.1
51866	52231	2062	2063	7.5	2.9	0.0	2.6	17.0	4.9	24.5	8.2	3.6	2.9	74.2
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	7.6	2.9	0.0	2.6	17.0	4.9	24.6	8.3	3.7	2.9	74.4
52596	52962	2064	2065	7.6	2.9	0.0	2.6	17.0	4.9	24.6	8.3	3.7	2.9	74.5
52962	53327	2065	2066	7.6	2.9	0.0	2.6	17.0	4.9	24.7	8.3	3.7	2.9	74.6
53327	53692	2066	2067	7.6	2.9	0.0	2.6	17.1	5.0	24.7	8.3	3.7	2.9	74.8
53692	54057	2067	2068	7.6	2.9	0.0	2.6	17.1	5.0	24.8	8.4	3.7	2.9	74.9
54057	54423	2068	2069	7.6	2.9	0.0	2.6	17.1	5.0	24.8	8.4	3.7	3.0	75.1
54423	54788	2069	2070	7.6	2.9	0.0	2.6	17.1	5.0	24.9	8.4	3.7	3.0	75.2
54788	55153	2070	2071	7.7	2.9	0.0	2.6	17.1	5.0	24.9	8.4	3.7	3.0	75.3
55153	55518	2071	2072	7.7	2.9	0.0	2.6	17.2	5.0	24.9	8.4	3.7	3.0	75.5
55518	55884	2072	2073	7.7	2.9	0.0	2.6	17.2	5.0	25.0	8.5	3.7	3.0	75.6
55884	56249	2073	2074	7.7	2.9	0.0	2.6	17.2	5.0	25.0	8.5	3.7	3.0	75.7
56249	56614	2074	2075	7.7	3.0	0.0	2.6	17.2	5.0	25.1	8.5	3.8	3.0	75.8
56614	56979	2075	2076	7.7	3.0	0.0	2.6	17.2	5.0	25.1	8.5	3.8	3.0	76.0
56979	57345	2076	2077	7.7	3.0	0.0	2.6	17.3	5.0	25.2	8.6	3.8	3.0	76.1
57345	57710	2077	2078	7.8	3.0	0.0	2.6	17.3	5.0	25.2	8.6	3.8	3.0	76.2
57710	58075	2078	2079	7.8	3.0	0.0	2.6	17.3	5.0	25.2	8.6	3.8	3.0	76.3
58075	58440	2079	2080	7.8	3.0	0.0	2.6	17.3	5.1	25.3	8.6	3.8	3.0	76.5
58440	58806	2080	2081	7.8	3.0	0.0	2.6	17.3	5.1	25.3	8.6	3.8	3.0	76.6
58806	59171	2081	2082	7.8	3.0	0.0	2.6	17.4	5.1	25.3	8.7	3.8	3.1	76.7
59171	59536	2082	2083	7.8	3.0	0.0	2.6	17.4	5.1	25.4	8.7	3.8	3.1	76.8
59536	59901	2083	2084	7.8	3.0	0.0	2.6	17.4	5.1	25.4	8.7	3.8	3.1	76.9
59901	60267	2084	2085	7.8	3.0	0.0	2.6	17.4	5.1	25.5	8.7	3.9	3.1	77.0
60267	60632	2085	2086	7.8	3.0	0.0	2.6	17.4	5.1	25.5	8.7	3.9	3.1	77.1
60632	60997	2086	2087	7.9	3.0	0.0	2.6	17.4	5.1	25.5	8.8	3.9	3.1	77.2
60997	61362	2087	2088	7.9	3.0	0.0	2.6	17.5	5.1	25.6	8.8	3.9	3.1	77.4
61362	61728	2088	2089	7.9	3.0	0.0	2.6	17.5	5.1	25.6	8.8	3.9	3.1	77.5
61728	62093	2089	2090	7.9	3.0	0.0	2.6	17.5	5.1	25.6	8.8	3.9	3.1	77.6
62093	62458	2090	2091	7.9	3.0	0.0	2.6	17.5	5.1	25.7	8.8	3.9	3.1	77.7
62458	62823	2091	2092	7.9	3.0	0.0	2.6	17.5	5.1	25.7	8.8	3.9	3.1	77.8
62823	63189	2092	2093	7.9	3.0	0.0	2.6	17.5	5.1	25.7	8.9	3.9	3.1	77.9
63189	63554	2093	2094	7.9	3.0	0.0	2.6	17.6	5.2	25.8	8.9	3.9	3.1	78.0
63554	63919	2094	2095	7.9	3.0	0.0	2.6	17.6	5.2	25.8	8.9	3.9	3.1	78.1
63919	64284	2095	2096	7.9	3.0	0.0	2.7	17.6	5.2	25.8	8.9	3.9	3.1	78.2
64284	64650	2096	2097	7.9	3.0	0.0	2.7	17.6	5.2	25.9	8.9	4.0	3.2	78.3
64650	65015	2097	2098	8.0	3.0	0.0	2.7	17.6	5.2	25.9	8.9	4.0	3.2	78.4
65015	65380	2098	2099	8.0	3.0	0.0	2.7	17.6	5.2	25.9	9.0	4.0	3.2	78.5
65380	65745	2099	2100	8.0	3.0	0.0	2.7	17.6	5.2	26.0	9.0	4.0	3.2	78.5
65745	66110	2100	2101	8.0	3.0	0.0	2.7	17.7	5.2	26.0	9.0	4.0	3.2	78.6
66110	66475	2101	2102	8.0	3.0	0.0	2.7	17.7	5.2	26.0	9.0	4.0	3.2	78.7
66475	66840	2102	2103	8.0	3.0	0.0	2.7	17.7	5.2	26.0	9.0	4.0	3.2	78.8
66840	67205	2103	2104	8.0	3.0	0.0	2.7	17.7	5.2	26.1	9.0	4.0	3.2	78.9
67205	67571	2104	2105	8.0	3.0	0.0	2.7	17.7	5.2	26.1	9.1	4.0	3.2	79.0
67571	67936	2105	2106	8.0	3.0	0.0	2.7	17.7	5.2	26.1	9.1	4.0	3.2	79.1
67936	68301	2106	2107	8.0	3.0	0.0	2.7	17.7	5.2	26.2	9.1	4.0	3.2	79.2
68301	68666	2107	2108	8.0	3.0	0.0	2.7	17.7	5.2	26.2	9.1	4.0	3.2	79.3
68666	69032	2108	2109	8.0	3.0	0.0	2.7	17.8	5.2	26.2	9.1	4.0	3.2	79.3
69032	69397	2109	2110	8.0	3.0	0.0	2.7	17.8	5.2	26.2	9.1	4.1	3.2	79.4
69397	69762	2110	2111	8.0	3.0	0.0	2.7	17.8	5.2	26.3	9.2	4.1	3.2	79.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 4) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	825	1285	424	188	105	4148
29586	29951	2001	2002	310	108	0	66	808	812	1263	418	190	107	4082
29951	30316	2002	2003	301	103	0	64	796	797	1236	409	191	109	4007
30316	30681	2003	2004	294	100	0	63	785	783	1207	399	192	111	3933
30681	31047	2004	2005	288	98	0	61	774	768	1180	390	192	113	3865
31047	31412	2005	2006	284	99	0	62	766	755	1156	382	192	114	3809
31412	31777	2006	2007	280	99	0	62	758	742	1133	374	192	115	3756
31777	32142	2007	2008	277	99	0	64	753	731	1113	366	191	116	3710
32142	32508	2008	2009	274	100	0	65	748	720	1095	359	191	117	3669
32508	32873	2009	2010	272	100	0	65	743	711	1078	353	190	118	3629
32873	33238	2010	2011	271	99	0	65	737	702	1064	347	189	118	3593
33238	33603	2011	2012	269	99	0	65	732	694	1051	342	188	119	3558
33603	33969	2012	2013	267	99	0	65	728	687	1039	337	186	119	3526
33969	34334	2013	2014	266	99	0	64	723	681	1028	332	184	119	3497
34334	34699	2014	2015	265	98	0	64	720	675	1020	329	183	119	3472

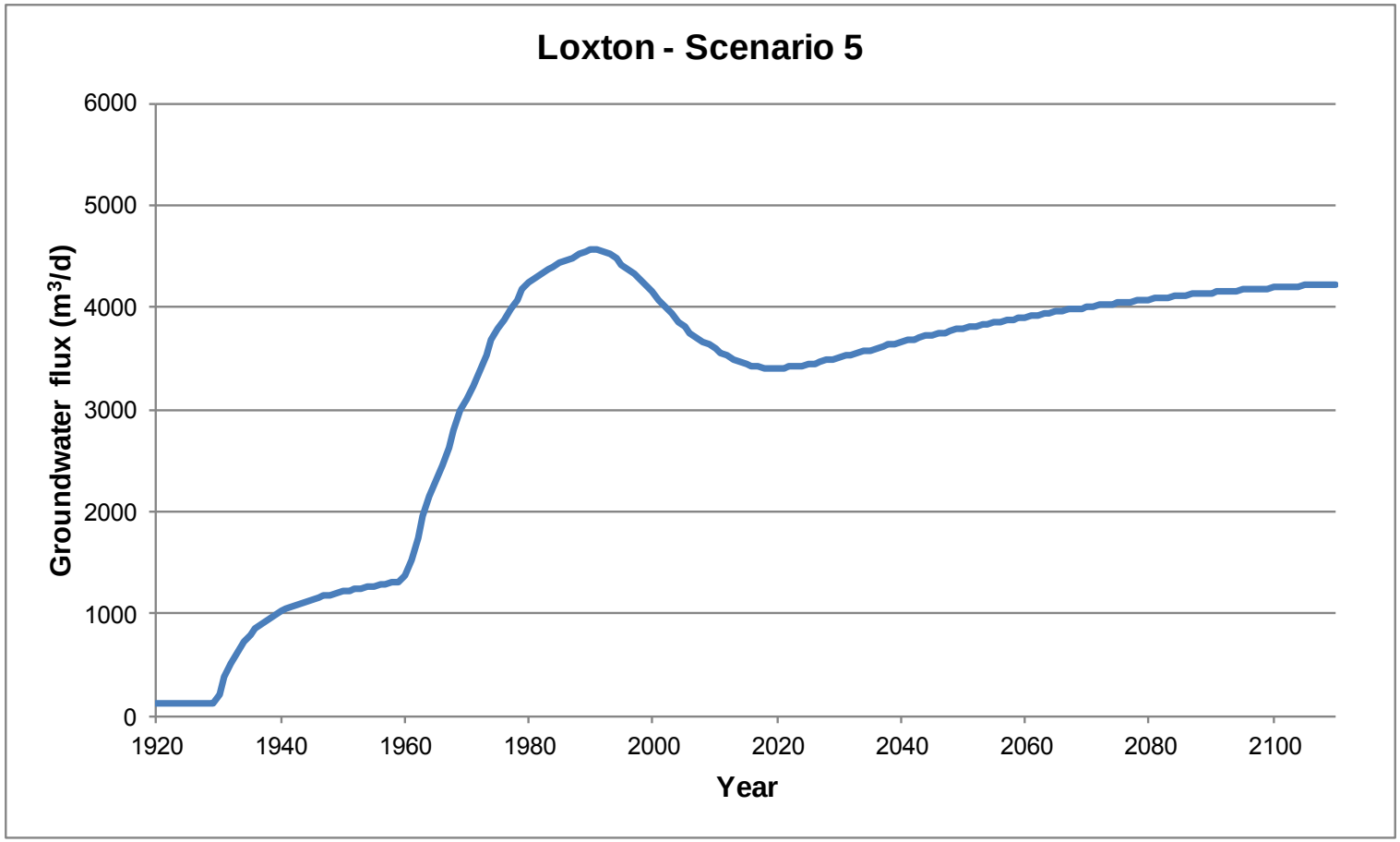
B-3a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	266	98	0	64	716	671	1013	325	181	119	3452
35064	35430	2016	2017	267	98	0	63	713	666	1006	322	180	119	3435
35430	35795	2017	2018	268	98	0	63	711	663	1001	320	179	119	3421
35795	36160	2018	2019	270	98	0	63	710	661	998	317	177	119	3413
36160	36525	2019	2020	272	98	0	63	709	660	996	316	176	118	3408
36525	36891	2020	2021	273	98	0	63	709	660	995	315	176	118	3407
36891	37256	2021	2022	275	98	0	63	710	661	996	314	175	118	3409
37256	37621	2022	2023	277	98	0	63	711	662	998	314	174	118	3415
37621	37986	2023	2024	279	98	0	63	712	663	1000	314	174	118	3422
37986	38352	2024	2025	282	98	0	63	714	666	1003	315	174	118	3432
38352	38717	2025	2026	284	98	0	63	715	668	1006	316	174	118	3442
38717	39082	2026	2027	286	98	0	64	717	670	1010	317	174	118	3455
39082	39447	2027	2028	288	99	0	64	720	673	1014	318	175	118	3467
39447	39813	2028	2029	290	99	0	64	722	676	1018	319	175	118	3481
39813	40178	2029	2030	292	99	0	64	724	679	1023	320	175	119	3495
40178	40543	2030	2031	294	99	0	64	727	682	1027	322	176	119	3510
40543	40908	2031	2032	296	100	0	65	729	685	1032	323	176	119	3525
40908	41274	2032	2033	298	100	0	65	732	688	1036	325	177	119	3540
41274	41639	2033	2034	300	100	0	65	734	691	1041	326	178	120	3555
41639	42004	2034	2035	302	100	0	65	736	694	1045	328	178	120	3570
42004	42369	2035	2036	304	101	0	66	739	697	1050	330	179	120	3585
42369	42735	2036	2037	305	101	0	66	741	700	1054	331	180	121	3600
42735	43100	2037	2038	307	101	0	66	744	703	1059	333	181	121	3615
43100	43465	2038	2039	309	101	0	66	746	706	1063	335	181	122	3630
43465	43830	2039	2040	311	102	0	66	748	709	1068	337	182	122	3645
43830	44196	2040	2041	312	102	0	67	751	712	1072	338	183	123	3659
44196	44561	2041	2042	314	102	0	67	753	715	1076	340	184	123	3673
44561	44926	2042	2043	315	102	0	67	755	717	1080	342	184	124	3688
44926	45291	2043	2044	317	103	0	67	757	720	1084	344	185	124	3702
45291	45657	2044	2045	318	103	0	68	760	723	1088	346	186	124	3716
45657	46022	2045	2046	320	103	0	68	762	725	1092	347	187	125	3730
46022	46387	2046	2047	321	103	0	68	764	728	1096	349	188	125	3743
46387	46752	2047	2048	323	104	0	68	766	730	1100	351	189	126	3756
46752	47118	2048	2049	324	104	0	68	768	733	1104	353	189	126	3769
47118	47483	2049	2050	325	104	0	68	770	735	1107	355	190	127	3782
47483	47848	2050	2051	327	104	0	69	771	738	1111	356	191	127	3794
47848	48213	2051	2052	328	104	0	69	773	740	1115	358	192	128	3807
48213	48579	2052	2053	329	105	0	69	775	742	1118	360	193	128	3818
48579	48944	2053	2054	330	105	0	69	777	745	1121	361	194	129	3831
48944	49309	2054	2055	331	105	0	69	779	747	1125	363	194	129	3842
49309	49674	2055	2056	332	105	0	70	780	749	1128	364	195	130	3853
49674	50040	2056	2057	334	105	0	70	782	751	1131	366	196	130	3865
50040	50405	2057	2058	335	105	0	70	784	753	1135	367	197	131	3876
50405	50770	2058	2059	336	106	0	70	785	755	1138	369	198	131	3886
50770	51135	2059	2060	337	106	0	70	787	757	1141	370	199	132	3897
51135	51501	2060	2061	338	106	0	70	788	759	1144	372	199	132	3908
51501	51866	2061	2062	338	106	0	70	790	761	1147	373	200	133	3918
51866	52231	2062	2063	339	106	0	71	791	763	1149	375	201	133	3928

B-3a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	340	106	0	71	792	764	1152	376	202	134	3938
52596	52962	2064	2065	341	107	0	71	794	766	1155	377	202	134	3947
52962	53327	2065	2066	342	107	0	71	795	768	1158	379	203	135	3957
53327	53692	2066	2067	343	107	0	71	796	770	1161	380	204	135	3966
53692	54057	2067	2068	343	107	0	71	798	771	1163	381	205	136	3975
54057	54423	2068	2069	344	107	0	71	799	773	1166	383	205	136	3984
54423	54788	2069	2070	345	107	0	71	800	775	1168	384	206	136	3993
54788	55153	2070	2071	346	107	0	72	801	776	1171	385	207	137	4002
55153	55518	2071	2072	346	108	0	72	802	778	1173	387	208	137	4011
55518	55884	2072	2073	347	108	0	72	804	779	1176	388	208	138	4019
55884	56249	2073	2074	348	108	0	72	805	781	1178	389	209	138	4028
56249	56614	2074	2075	348	108	0	72	806	782	1181	390	210	139	4036
56614	56979	2075	2076	349	108	0	72	807	784	1183	391	210	139	4044
56979	57345	2076	2077	350	108	0	72	808	785	1185	393	211	140	4052
57345	57710	2077	2078	350	108	0	72	809	786	1188	394	212	140	4059
57710	58075	2078	2079	351	108	0	72	810	788	1190	395	212	141	4067
58075	58440	2079	2080	351	109	0	72	811	789	1192	396	213	141	4074
58440	58806	2080	2081	352	109	0	73	812	790	1194	397	214	141	4081
58806	59171	2081	2082	352	109	0	73	813	792	1196	398	214	142	4088
59171	59536	2082	2083	353	109	0	73	814	793	1198	399	215	142	4095
59536	59901	2083	2084	354	109	0	73	815	794	1200	400	216	143	4102
59901	60267	2084	2085	354	109	0	73	816	795	1202	401	216	143	4109
60267	60632	2085	2086	355	109	0	73	816	796	1204	402	217	143	4115
60632	60997	2086	2087	355	109	0	73	817	798	1205	403	217	144	4121
60997	61362	2087	2088	355	109	0	73	818	799	1207	404	218	144	4127
61362	61728	2088	2089	356	109	0	73	819	800	1209	405	218	145	4133
61728	62093	2089	2090	356	110	0	73	820	801	1210	405	219	145	4139
62093	62458	2090	2091	357	110	0	73	820	802	1212	406	220	145	4145
62458	62823	2091	2092	357	110	0	73	821	803	1213	407	220	146	4150
62823	63189	2092	2093	358	110	0	73	822	803	1215	408	221	146	4155
63189	63554	2093	2094	358	110	0	74	822	804	1216	409	221	146	4161
63554	63919	2094	2095	358	110	0	74	823	805	1218	409	222	147	4166
63919	64284	2095	2096	359	110	0	74	824	806	1219	410	222	147	4171
64284	64650	2096	2097	359	110	0	74	824	807	1220	411	223	147	4175
64650	65015	2097	2098	360	110	0	74	825	808	1222	411	223	148	4180
65015	65380	2098	2099	360	110	0	74	826	808	1223	412	223	148	4184
65380	65745	2099	2100	360	110	0	74	826	809	1224	413	224	148	4189
65745	66110	2100	2101	361	110	0	74	827	810	1225	413	224	149	4193
66110	66475	2101	2102	361	110	0	74	827	811	1226	414	225	149	4197
66475	66840	2102	2103	361	111	0	74	828	811	1227	415	225	149	4201
66840	67205	2103	2104	362	111	0	74	828	812	1228	415	226	150	4205
67205	67571	2104	2105	362	111	0	74	829	813	1229	416	226	150	4209
67571	67936	2105	2106	362	111	0	74	829	813	1230	416	226	150	4213
67936	68301	2106	2107	363	111	0	74	830	814	1231	417	227	150	4216
68301	68666	2107	2108	363	111	0	74	830	814	1232	417	227	151	4220
68666	69032	2108	2109	363	111	0	74	831	815	1233	418	228	151	4223
69032	69397	2109	2110	363	111	0	74	831	816	1234	418	228	151	4227
69397	69762	2110	2111	364	111	0	74	831	816	1235	419	228	152	4230

B-3a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part4/4)



B-3a (S5). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Loxton (Scenario 5)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.8	3.1	0.0	2.6	18.6	5.7	29.1	10.0	3.7	2.5	83.0
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.3	5.6	28.4	9.8	3.7	2.5	81.4
30316	30681	2003	2004	7.4	2.9	0.0	2.4	18.0	5.5	27.8	9.6	3.7	2.6	79.8
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.8	5.4	27.1	9.4	3.7	2.6	78.4
31047	31412	2005	2006	7.1	2.9	0.0	2.4	17.6	5.3	26.6	9.2	3.7	2.6	77.4
31412	31777	2006	2007	7.0	2.9	0.0	2.4	17.4	5.2	26.1	9.0	3.7	2.7	76.3
31777	32142	2007	2008	6.9	2.9	0.0	2.5	17.3	5.1	25.6	8.8	3.7	2.7	75.5
32142	32508	2008	2009	6.9	2.9	0.0	2.5	17.2	5.0	25.2	8.6	3.7	2.7	74.7
32508	32873	2009	2010	6.8	2.9	0.0	2.5	17.1	5.0	24.8	8.5	3.7	2.7	74.0
32873	33238	2010	2011	6.8	2.9	0.0	2.5	17.0	4.9	24.5	8.3	3.7	2.7	73.2
33238	33603	2011	2012	6.7	2.9	0.0	2.5	16.8	4.9	24.2	8.2	3.6	2.7	72.6
33603	33969	2012	2013	6.7	2.9	0.0	2.5	16.7	4.8	23.9	8.1	3.6	2.7	71.9
33969	34334	2013	2014	6.6	2.9	0.0	2.5	16.6	4.8	23.7	8.0	3.6	2.7	71.4
34334	34699	2014	2015	6.6	2.9	0.0	2.5	16.5	4.7	23.5	7.9	3.5	2.7	70.9
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

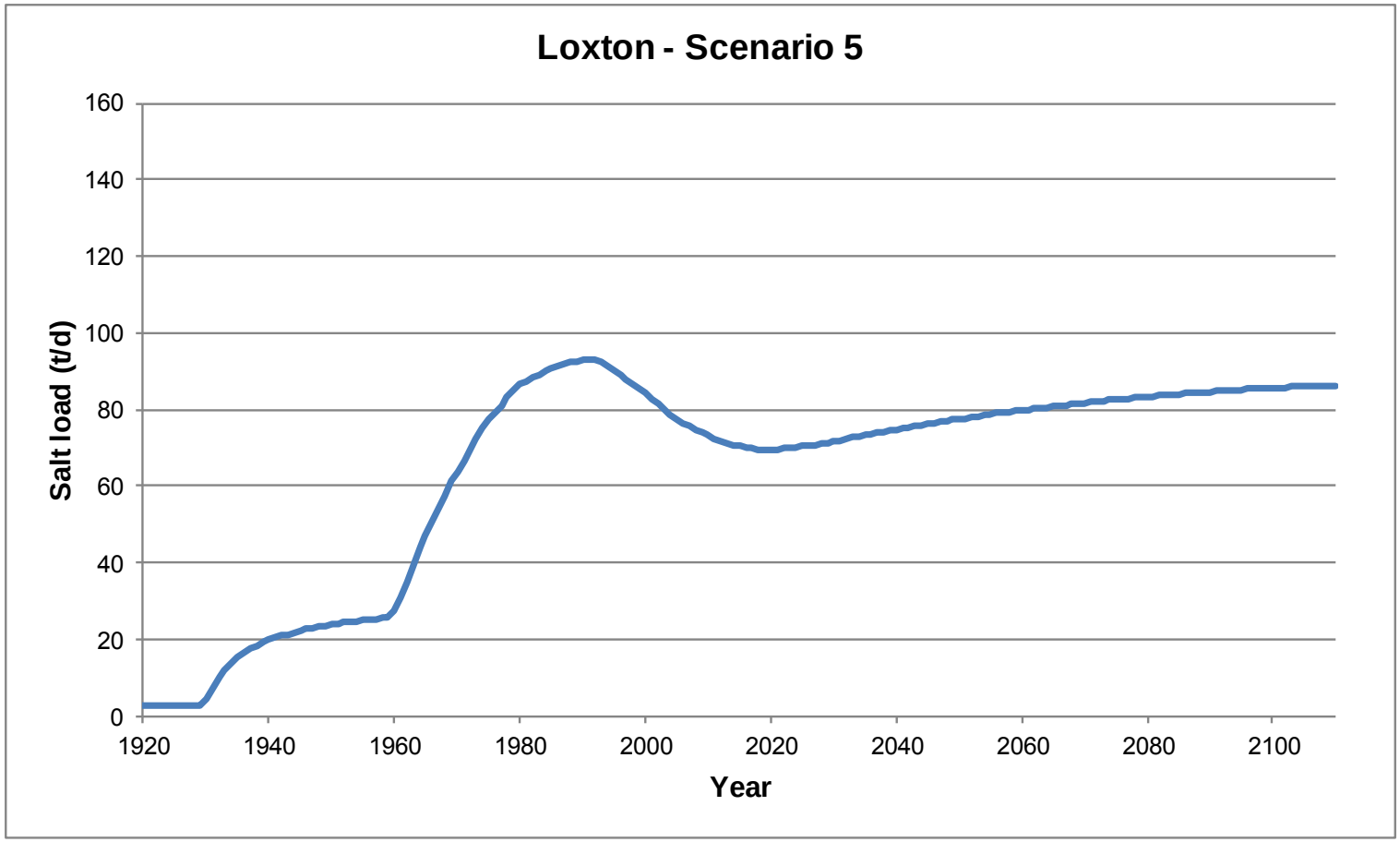
B-3b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	6.6	2.8	0.0	2.5	16.5	4.7	23.3	7.8	3.5	2.7	70.5
35064	35430	2016	2017	6.7	2.8	0.0	2.5	16.4	4.7	23.1	7.7	3.5	2.7	70.1
35430	35795	2017	2018	6.7	2.8	0.0	2.5	16.4	4.6	23.0	7.7	3.5	2.7	69.9
35795	36160	2018	2019	6.7	2.8	0.0	2.5	16.3	4.6	22.9	7.6	3.4	2.7	69.7
36160	36525	2019	2020	6.8	2.8	0.0	2.5	16.3	4.6	22.9	7.6	3.4	2.7	69.6
36525	36891	2020	2021	6.8	2.8	0.0	2.5	16.3	4.6	22.9	7.6	3.4	2.7	69.6
36891	37256	2021	2022	6.9	2.8	0.0	2.5	16.3	4.6	22.9	7.5	3.4	2.7	69.7
37256	37621	2022	2023	6.9	2.8	0.0	2.5	16.3	4.6	22.9	7.5	3.4	2.7	69.8
37621	37986	2023	2024	7.0	2.8	0.0	2.5	16.4	4.6	23.0	7.5	3.4	2.7	69.9
37986	38352	2024	2025	7.0	2.8	0.0	2.5	16.4	4.7	23.1	7.6	3.4	2.7	70.1
38352	38717	2025	2026	7.1	2.8	0.0	2.5	16.5	4.7	23.1	7.6	3.4	2.7	70.3
38717	39082	2026	2027	7.1	2.9	0.0	2.5	16.5	4.7	23.2	7.6	3.4	2.7	70.6
39082	39447	2027	2028	7.2	2.9	0.0	2.5	16.6	4.7	23.3	7.6	3.4	2.7	70.9
39447	39813	2028	2029	7.2	2.9	0.0	2.5	16.6	4.7	23.4	7.7	3.4	2.7	71.1
39813	40178	2029	2030	7.3	2.9	0.0	2.5	16.7	4.8	23.5	7.7	3.4	2.7	71.4
40178	40543	2030	2031	7.3	2.9	0.0	2.5	16.7	4.8	23.6	7.7	3.4	2.7	71.7
40543	40908	2031	2032	7.4	2.9	0.0	2.5	16.8	4.8	23.7	7.8	3.4	2.7	72.0
40908	41274	2032	2033	7.4	2.9	0.0	2.5	16.8	4.8	23.8	7.8	3.4	2.7	72.3
41274	41639	2033	2034	7.5	2.9	0.0	2.5	16.9	4.8	23.9	7.8	3.4	2.8	72.6
41639	42004	2034	2035	7.5	2.9	0.0	2.5	16.9	4.9	24.0	7.9	3.5	2.8	72.9
42004	42369	2035	2036	7.6	2.9	0.0	2.6	17.0	4.9	24.1	7.9	3.5	2.8	73.2
42369	42735	2036	2037	7.6	2.9	0.0	2.6	17.1	4.9	24.3	7.9	3.5	2.8	73.5
42735	43100	2037	2038	7.7	2.9	0.0	2.6	17.1	4.9	24.4	8.0	3.5	2.8	73.9
43100	43465	2038	2039	7.7	2.9	0.0	2.6	17.2	4.9	24.5	8.0	3.5	2.8	74.2
43465	43830	2039	2040	7.8	2.9	0.0	2.6	17.2	5.0	24.6	8.1	3.5	2.8	74.5
43830	44196	2040	2041	7.8	3.0	0.0	2.6	17.3	5.0	24.7	8.1	3.5	2.8	74.7
44196	44561	2041	2042	7.8	3.0	0.0	2.6	17.3	5.0	24.7	8.2	3.6	2.8	75.0
44561	44926	2042	2043	7.9	3.0	0.0	2.6	17.4	5.0	24.8	8.2	3.6	2.8	75.3
44926	45291	2043	2044	7.9	3.0	0.0	2.6	17.4	5.0	24.9	8.3	3.6	2.9	75.6
45291	45657	2044	2045	8.0	3.0	0.0	2.6	17.5	5.1	25.0	8.3	3.6	2.9	75.9
45657	46022	2045	2046	8.0	3.0	0.0	2.6	17.5	5.1	25.1	8.3	3.6	2.9	76.2
46022	46387	2046	2047	8.0	3.0	0.0	2.6	17.6	5.1	25.2	8.4	3.6	2.9	76.5
46387	46752	2047	2048	8.1	3.0	0.0	2.7	17.6	5.1	25.3	8.4	3.7	2.9	76.7
46752	47118	2048	2049	8.1	3.0	0.0	2.7	17.7	5.1	25.4	8.5	3.7	2.9	77.0
47118	47483	2049	2050	8.1	3.0	0.0	2.7	17.7	5.1	25.5	8.5	3.7	2.9	77.3
47483	47848	2050	2051	8.2	3.0	0.0	2.7	17.7	5.2	25.6	8.6	3.7	2.9	77.5
47848	48213	2051	2052	8.2	3.0	0.0	2.7	17.8	5.2	25.6	8.6	3.7	2.9	77.8
48213	48579	2052	2053	8.2	3.0	0.0	2.7	17.8	5.2	25.7	8.6	3.7	3.0	78.0
48579	48944	2053	2054	8.3	3.0	0.0	2.7	17.9	5.2	25.8	8.7	3.8	3.0	78.3
48944	49309	2054	2055	8.3	3.0	0.0	2.7	17.9	5.2	25.9	8.7	3.8	3.0	78.5
49309	49674	2055	2056	8.3	3.0	0.0	2.7	17.9	5.2	25.9	8.7	3.8	3.0	78.7
49674	50040	2056	2057	8.3	3.1	0.0	2.7	18.0	5.3	26.0	8.8	3.8	3.0	78.9
50040	50405	2057	2058	8.4	3.1	0.0	2.7	18.0	5.3	26.1	8.8	3.8	3.0	79.2
50405	50770	2058	2059	8.4	3.1	0.0	2.7	18.1	5.3	26.2	8.9	3.8	3.0	79.4
50770	51135	2059	2060	8.4	3.1	0.0	2.7	18.1	5.3	26.2	8.9	3.9	3.0	79.6
51135	51501	2060	2061	8.4	3.1	0.0	2.7	18.1	5.3	26.3	8.9	3.9	3.0	79.8
51501	51866	2061	2062	8.5	3.1	0.0	2.7	18.2	5.3	26.4	9.0	3.9	3.0	80.0
51866	52231	2062	2063	8.5	3.1	0.0	2.8	18.2	5.3	26.4	9.0	3.9	3.1	80.2
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	8.5	3.1	0.0	2.8	18.2	5.4	26.5	9.0	3.9	3.1	80.4
52596	52962	2064	2065	8.5	3.1	0.0	2.8	18.3	5.4	26.6	9.1	3.9	3.1	80.6
52962	53327	2065	2066	8.5	3.1	0.0	2.8	18.3	5.4	26.6	9.1	3.9	3.1	80.8
53327	53692	2066	2067	8.6	3.1	0.0	2.8	18.3	5.4	26.7	9.1	4.0	3.1	81.0
53692	54057	2067	2068	8.6	3.1	0.0	2.8	18.3	5.4	26.8	9.2	4.0	3.1	81.2
54057	54423	2068	2069	8.6	3.1	0.0	2.8	18.4	5.4	26.8	9.2	4.0	3.1	81.4
54423	54788	2069	2070	8.6	3.1	0.0	2.8	18.4	5.4	26.9	9.2	4.0	3.1	81.6
54788	55153	2070	2071	8.6	3.1	0.0	2.8	18.4	5.4	26.9	9.2	4.0	3.1	81.8
55153	55518	2071	2072	8.7	3.1	0.0	2.8	18.5	5.4	27.0	9.3	4.0	3.2	81.9
55518	55884	2072	2073	8.7	3.1	0.0	2.8	18.5	5.5	27.0	9.3	4.0	3.2	82.1
55884	56249	2073	2074	8.7	3.1	0.0	2.8	18.5	5.5	27.1	9.3	4.1	3.2	82.3
56249	56614	2074	2075	8.7	3.1	0.0	2.8	18.5	5.5	27.2	9.4	4.1	3.2	82.4
56614	56979	2075	2076	8.7	3.1	0.0	2.8	18.6	5.5	27.2	9.4	4.1	3.2	82.6
56979	57345	2076	2077	8.7	3.1	0.0	2.8	18.6	5.5	27.3	9.4	4.1	3.2	82.8
57345	57710	2077	2078	8.8	3.1	0.0	2.8	18.6	5.5	27.3	9.4	4.1	3.2	82.9
57710	58075	2078	2079	8.8	3.1	0.0	2.8	18.6	5.5	27.4	9.5	4.1	3.2	83.1
58075	58440	2079	2080	8.8	3.1	0.0	2.8	18.7	5.5	27.4	9.5	4.1	3.2	83.2
58440	58806	2080	2081	8.8	3.2	0.0	2.8	18.7	5.5	27.5	9.5	4.1	3.3	83.4
58806	59171	2081	2082	8.8	3.2	0.0	2.8	18.7	5.5	27.5	9.6	4.2	3.3	83.5
59171	59536	2082	2083	8.8	3.2	0.0	2.8	18.7	5.6	27.6	9.6	4.2	3.3	83.7
59536	59901	2083	2084	8.8	3.2	0.0	2.8	18.7	5.6	27.6	9.6	4.2	3.3	83.8
59901	60267	2084	2085	8.9	3.2	0.0	2.8	18.8	5.6	27.6	9.6	4.2	3.3	83.9
60267	60632	2085	2086	8.9	3.2	0.0	2.8	18.8	5.6	27.7	9.6	4.2	3.3	84.1
60632	60997	2086	2087	8.9	3.2	0.0	2.8	18.8	5.6	27.7	9.7	4.2	3.3	84.2
60997	61362	2087	2088	8.9	3.2	0.0	2.9	18.8	5.6	27.8	9.7	4.2	3.3	84.3
61362	61728	2088	2089	8.9	3.2	0.0	2.9	18.8	5.6	27.8	9.7	4.2	3.3	84.4
61728	62093	2089	2090	8.9	3.2	0.0	2.9	18.8	5.6	27.8	9.7	4.2	3.3	84.5
62093	62458	2090	2091	8.9	3.2	0.0	2.9	18.9	5.6	27.9	9.7	4.3	3.3	84.7
62458	62823	2091	2092	8.9	3.2	0.0	2.9	18.9	5.6	27.9	9.8	4.3	3.4	84.8
62823	63189	2092	2093	8.9	3.2	0.0	2.9	18.9	5.6	27.9	9.8	4.3	3.4	84.9
63189	63554	2093	2094	9.0	3.2	0.0	2.9	18.9	5.6	28.0	9.8	4.3	3.4	85.0
63554	63919	2094	2095	9.0	3.2	0.0	2.9	18.9	5.6	28.0	9.8	4.3	3.4	85.1
63919	64284	2095	2096	9.0	3.2	0.0	2.9	18.9	5.6	28.0	9.8	4.3	3.4	85.2
64284	64650	2096	2097	9.0	3.2	0.0	2.9	19.0	5.6	28.1	9.9	4.3	3.4	85.3
64650	65015	2097	2098	9.0	3.2	0.0	2.9	19.0	5.7	28.1	9.9	4.3	3.4	85.4
65015	65380	2098	2099	9.0	3.2	0.0	2.9	19.0	5.7	28.1	9.9	4.3	3.4	85.5
65380	65745	2099	2100	9.0	3.2	0.0	2.9	19.0	5.7	28.1	9.9	4.3	3.4	85.6
65745	66110	2100	2101	9.0	3.2	0.0	2.9	19.0	5.7	28.2	9.9	4.4	3.4	85.7
66110	66475	2101	2102	9.0	3.2	0.0	2.9	19.0	5.7	28.2	9.9	4.4	3.4	85.7
66475	66840	2102	2103	9.0	3.2	0.0	2.9	19.0	5.7	28.2	9.9	4.4	3.4	85.8
66840	67205	2103	2104	9.0	3.2	0.0	2.9	19.0	5.7	28.2	10.0	4.4	3.4	85.9
67205	67571	2104	2105	9.1	3.2	0.0	2.9	19.1	5.7	28.3	10.0	4.4	3.4	86.0
67571	67936	2105	2106	9.1	3.2	0.0	2.9	19.1	5.7	28.3	10.0	4.4	3.5	86.1
67936	68301	2106	2107	9.1	3.2	0.0	2.9	19.1	5.7	28.3	10.0	4.4	3.5	86.1
68301	68666	2107	2108	9.1	3.2	0.0	2.9	19.1	5.7	28.3	10.0	4.4	3.5	86.2
68666	69032	2108	2109	9.1	3.2	0.0	2.9	19.1	5.7	28.4	10.0	4.4	3.5	86.3
69032	69397	2109	2110	9.1	3.2	0.0	2.9	19.1	5.7	28.4	10.0	4.4	3.5	86.3
69397	69762	2110	2111	9.1	3.2	0.0	2.9	19.1	5.7	28.4	10.1	4.4	3.5	86.4
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 5) (Part4/4)



B-3b (S5). Graph of modelled salt load (t/d) entering the River Murray in Loxton (Scenario 5)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	825	1285	424	188	105	4148
29586	29951	2001	2002	310	108	0	66	808	812	1263	418	190	107	4082
29951	30316	2002	2003	301	103	0	64	796	797	1236	409	191	109	4007
30316	30681	2003	2004	294	100	0	63	785	783	1207	399	192	111	3933
30681	31047	2004	2005	288	98	0	61	774	768	1180	390	192	113	3865
31047	31412	2005	2006	264	99	0	62	758	478	1144	382	192	114	3492
31412	31777	2006	2007	259	99	0	62	751	471	1122	373	192	115	3445
31777	32142	2007	2008	226	0	0	27	743	426	296	2	183	116	2019
32142	32508	2008	2009	222	0	0	26	736	414	282	2	139	0	1821
32508	32873	2009	2010	219	0	0	24	398	292	272	0	50	0	1256
32873	33238	2010	2011	217	0	0	17	274	274	262	0	48	0	1092
33238	33603	2011	2012	186	0	0	13	261	264	254	0	47	0	1025
33603	33969	2012	2013	159	0	0	12	256	257	247	0	46	0	978
33969	34334	2013	2014	145	0	0	11	254	252	242	0	45	0	950
34334	34699	2014	2015	137	0	0	11	252	249	238	0	45	0	931

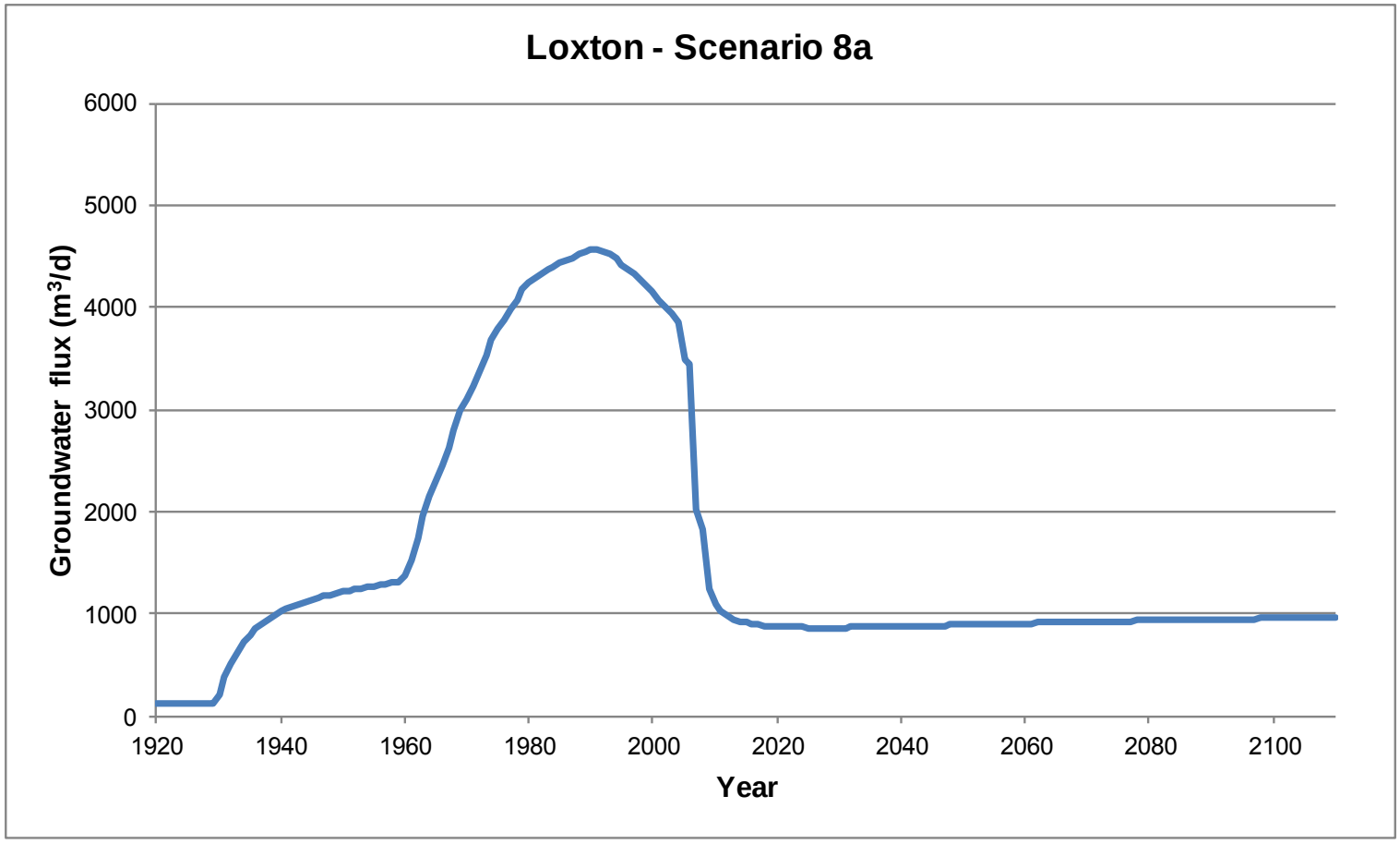
B-3a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	132	0	0	10	251	245	234	0	44	0	917
35064	35430	2016	2017	129	0	0	10	249	243	231	0	43	0	906
35430	35795	2017	2018	126	0	0	10	249	241	229	0	43	0	897
35795	36160	2018	2019	124	0	0	10	248	239	227	0	42	0	890
36160	36525	2019	2020	123	0	0	10	247	238	225	0	42	0	884
36525	36891	2020	2021	121	0	0	9	247	236	224	0	41	0	879
36891	37256	2021	2022	120	0	0	9	246	236	223	0	41	0	875
37256	37621	2022	2023	119	0	0	9	246	235	222	0	41	0	872
37621	37986	2023	2024	119	0	0	9	246	234	222	0	41	0	870
37986	38352	2024	2025	118	0	0	9	246	234	221	0	41	0	869
38352	38717	2025	2026	118	0	0	9	245	234	221	0	40	0	868
38717	39082	2026	2027	117	0	0	9	245	234	221	0	40	0	867
39082	39447	2027	2028	117	0	0	9	245	234	221	0	40	0	867
39447	39813	2028	2029	117	0	0	9	245	234	221	0	40	0	867
39813	40178	2029	2030	117	0	0	9	245	234	222	0	40	0	867
40178	40543	2030	2031	117	0	0	9	245	234	222	0	40	0	867
40543	40908	2031	2032	117	0	0	9	245	234	222	0	40	0	868
40908	41274	2032	2033	117	0	0	9	245	235	223	0	40	0	869
41274	41639	2033	2034	117	0	0	9	245	235	223	0	41	0	870
41639	42004	2034	2035	117	0	0	9	245	235	223	0	41	0	871
42004	42369	2035	2036	118	0	0	9	245	236	224	0	41	0	872
42369	42735	2036	2037	118	0	0	9	245	236	224	0	41	0	873
42735	43100	2037	2038	118	0	0	9	245	236	225	0	41	0	874
43100	43465	2038	2039	118	0	0	9	246	237	225	0	41	0	876
43465	43830	2039	2040	118	0	0	9	246	237	226	0	41	0	877
43830	44196	2040	2041	119	0	0	9	246	238	227	0	41	0	878
44196	44561	2041	2042	119	0	0	9	246	238	227	0	41	0	880
44561	44926	2042	2043	119	0	0	9	246	239	228	0	41	0	881
44926	45291	2043	2044	119	0	0	9	246	239	228	0	42	0	883
45291	45657	2044	2045	119	0	0	9	246	239	229	0	42	0	885
45657	46022	2045	2046	120	0	0	9	246	240	229	0	42	0	886
46022	46387	2046	2047	120	0	0	9	246	240	230	0	42	0	888
46387	46752	2047	2048	120	0	0	9	246	241	231	0	42	0	889
46752	47118	2048	2049	120	0	0	9	247	241	231	0	42	0	891
47118	47483	2049	2050	121	0	0	9	247	242	232	0	42	0	892
47483	47848	2050	2051	121	0	0	9	247	242	232	0	42	0	894
47848	48213	2051	2052	121	0	0	9	247	243	233	0	43	0	895
48213	48579	2052	2053	121	0	0	9	247	243	234	0	43	0	897
48579	48944	2053	2054	122	0	0	9	247	244	234	0	43	0	899
48944	49309	2054	2055	122	0	0	9	247	244	235	0	43	0	900
49309	49674	2055	2056	122	0	0	9	247	244	235	0	43	0	902
49674	50040	2056	2057	122	0	0	9	248	245	236	0	43	0	903
50040	50405	2057	2058	123	0	0	9	248	245	236	0	43	0	905
50405	50770	2058	2059	123	0	0	9	248	246	237	0	44	0	906
50770	51135	2059	2060	123	0	0	9	248	246	238	0	44	0	908
51135	51501	2060	2061	123	0	0	9	248	247	238	0	44	0	909
51501	51866	2061	2062	124	0	0	9	248	247	239	0	44	0	911
51866	52231	2062	2063	124	0	0	9	248	248	239	0	44	0	912

B-3a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	124	0	0	9	248	248	240	0	44	0	914
52596	52962	2064	2065	124	0	0	9	248	248	240	0	44	0	915
52962	53327	2065	2066	124	0	0	9	249	249	241	0	44	0	916
53327	53692	2066	2067	125	0	0	9	249	249	241	0	45	0	918
53692	54057	2067	2068	125	0	0	9	249	250	242	0	45	0	919
54057	54423	2068	2069	125	0	0	9	249	250	242	0	45	0	921
54423	54788	2069	2070	125	0	0	9	249	250	243	0	45	0	922
54788	55153	2070	2071	125	0	0	9	249	251	243	0	45	0	923
55153	55518	2071	2072	126	0	0	9	249	251	244	0	45	0	925
55518	55884	2072	2073	126	0	0	9	249	252	244	0	45	0	926
55884	56249	2073	2074	126	0	0	9	249	252	245	0	46	0	927
56249	56614	2074	2075	126	0	0	9	249	252	245	0	46	0	928
56614	56979	2075	2076	126	0	0	9	250	253	246	0	46	0	930
56979	57345	2076	2077	127	0	0	9	250	253	246	0	46	0	931
57345	57710	2077	2078	127	0	0	10	250	253	247	0	46	0	932
57710	58075	2078	2079	127	0	0	10	250	254	247	0	46	0	933
58075	58440	2079	2080	127	0	0	10	250	254	248	0	46	0	935
58440	58806	2080	2081	127	0	0	10	250	255	248	0	46	0	936
58806	59171	2081	2082	127	0	0	10	250	255	249	0	46	0	937
59171	59536	2082	2083	128	0	0	10	250	255	249	0	47	0	938
59536	59901	2083	2084	128	0	0	10	250	256	249	0	47	0	939
59901	60267	2084	2085	128	0	0	10	250	256	250	0	47	0	940
60267	60632	2085	2086	128	0	0	10	250	256	250	0	47	0	941
60632	60997	2086	2087	128	0	0	10	250	257	251	0	47	0	943
60997	61362	2087	2088	128	0	0	10	251	257	251	0	47	0	944
61362	61728	2088	2089	129	0	0	10	251	257	251	0	47	0	945
61728	62093	2089	2090	129	0	0	10	251	258	252	0	47	0	946
62093	62458	2090	2091	129	0	0	10	251	258	252	0	47	0	947
62458	62823	2091	2092	129	0	0	10	251	258	253	0	48	0	948
62823	63189	2092	2093	129	0	0	10	251	258	253	0	48	0	949
63189	63554	2093	2094	129	0	0	10	251	259	253	0	48	0	950
63554	63919	2094	2095	129	0	0	10	251	259	254	0	48	0	951
63919	64284	2095	2096	129	0	0	10	251	259	254	0	48	0	952
64284	64650	2096	2097	130	0	0	10	251	260	255	0	48	0	953
64650	65015	2097	2098	130	0	0	10	251	260	255	0	48	0	954
65015	65380	2098	2099	130	0	0	10	251	260	255	0	48	0	955
65380	65745	2099	2100	130	0	0	10	251	260	256	0	48	0	956
65745	66110	2100	2101	130	0	0	10	251	261	256	0	48	0	957
66110	66475	2101	2102	130	0	0	10	252	261	256	0	49	0	958
66475	66840	2102	2103	130	0	0	10	252	261	257	0	49	0	959
66840	67205	2103	2104	130	0	0	10	252	262	257	0	49	0	960
67205	67571	2104	2105	131	0	0	10	252	262	257	0	49	0	960
67571	67936	2105	2106	131	0	0	10	252	262	258	0	49	0	961
67936	68301	2106	2107	131	0	0	10	252	262	258	0	49	0	962
68301	68666	2107	2108	131	0	0	10	252	263	258	0	49	0	963
68666	69032	2108	2109	131	0	0	10	252	263	259	0	49	0	964
69032	69397	2109	2110	131	0	0	10	252	263	259	0	49	0	965
69397	69762	2110	2111	131	0	0	10	252	263	259	0	49	0	966

B-3a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.8	3.1	0.0	2.6	18.6	5.7	29.1	10.0	3.7	2.5	83.0
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.3	5.6	28.4	9.8	3.7	2.5	81.4
30316	30681	2003	2004	7.4	2.9	0.0	2.4	18.0	5.5	27.8	9.6	3.7	2.6	79.8
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.8	5.4	27.1	9.4	3.7	2.6	78.4
31047	31412	2005	2006	6.6	2.9	0.0	2.4	17.4	3.3	26.3	9.2	3.7	2.6	74.5
31412	31777	2006	2007	6.5	2.9	0.0	2.4	17.3	3.3	25.8	9.0	3.7	2.7	73.5
31777	32142	2007	2008	5.6	0.0	0.0	1.1	17.1	3.0	6.8	0.1	3.5	2.7	39.9
32142	32508	2008	2009	5.6	0.0	0.0	1.0	16.9	2.9	6.5	0.0	2.7	0.0	35.6
32508	32873	2009	2010	5.5	0.0	0.0	0.9	9.1	2.0	6.3	0.0	1.0	0.0	24.9
32873	33238	2010	2011	5.4	0.0	0.0	0.7	6.3	1.9	6.0	0.0	0.9	0.0	21.3
33238	33603	2011	2012	4.7	0.0	0.0	0.5	6.0	1.8	5.8	0.0	0.9	0.0	19.8
33603	33969	2012	2013	4.0	0.0	0.0	0.5	5.9	1.8	5.7	0.0	0.9	0.0	18.7
33969	34334	2013	2014	3.6	0.0	0.0	0.4	5.8	1.8	5.6	0.0	0.9	0.0	18.1
34334	34699	2014	2015	3.4	0.0	0.0	0.4	5.8	1.7	5.5	0.0	0.9	0.0	17.7
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

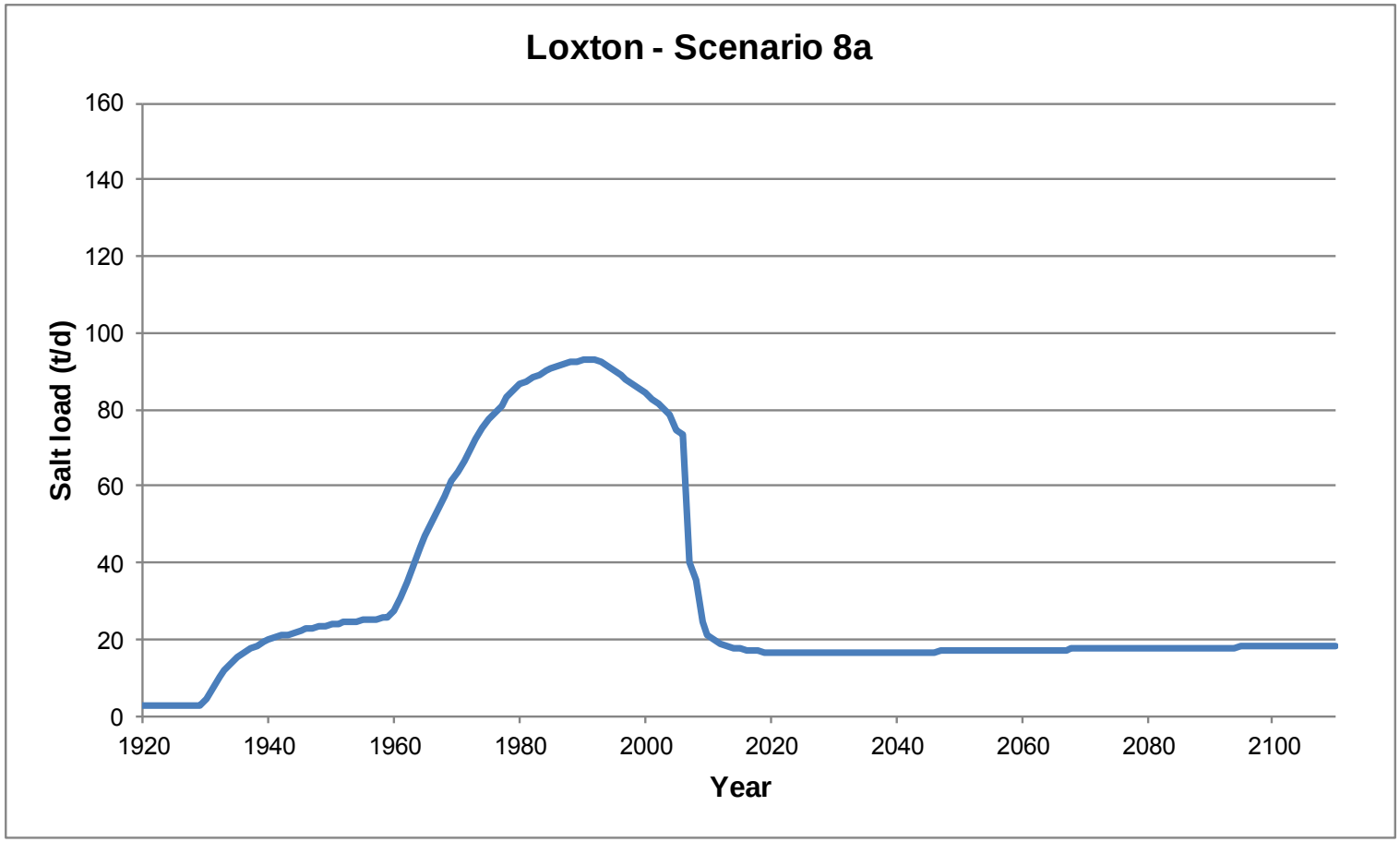
B-3b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	3.3	0.0	0.0	0.4	5.8	1.7	5.4	0.0	0.9	0.0	17.4
35064	35430	2016	2017	3.2	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	17.2
35430	35795	2017	2018	3.2	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	17.0
35795	36160	2018	2019	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.9
36160	36525	2019	2020	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.8
36525	36891	2020	2021	3.0	0.0	0.0	0.4	5.7	1.7	5.1	0.0	0.8	0.0	16.7
36891	37256	2021	2022	3.0	0.0	0.0	0.4	5.7	1.6	5.1	0.0	0.8	0.0	16.6
37256	37621	2022	2023	3.0	0.0	0.0	0.4	5.7	1.6	5.1	0.0	0.8	0.0	16.5
37621	37986	2023	2024	3.0	0.0	0.0	0.4	5.7	1.6	5.1	0.0	0.8	0.0	16.5
37986	38352	2024	2025	3.0	0.0	0.0	0.4	5.6	1.6	5.1	0.0	0.8	0.0	16.5
38352	38717	2025	2026	2.9	0.0	0.0	0.4	5.6	1.6	5.1	0.0	0.8	0.0	16.4
38717	39082	2026	2027	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.4
39082	39447	2027	2028	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.4
39447	39813	2028	2029	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.4
39813	40178	2029	2030	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.4
40178	40543	2030	2031	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.4
40543	40908	2031	2032	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.4
40908	41274	2032	2033	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.5
41274	41639	2033	2034	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.5
41639	42004	2034	2035	2.9	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.5
42004	42369	2035	2036	2.9	0.0	0.0	0.3	5.6	1.6	5.2	0.0	0.8	0.0	16.5
42369	42735	2036	2037	2.9	0.0	0.0	0.3	5.6	1.7	5.2	0.0	0.8	0.0	16.5
42735	43100	2037	2038	2.9	0.0	0.0	0.3	5.6	1.7	5.2	0.0	0.8	0.0	16.6
43100	43465	2038	2039	3.0	0.0	0.0	0.3	5.6	1.7	5.2	0.0	0.8	0.0	16.6
43465	43830	2039	2040	3.0	0.0	0.0	0.3	5.6	1.7	5.2	0.0	0.8	0.0	16.6
43830	44196	2040	2041	3.0	0.0	0.0	0.3	5.7	1.7	5.2	0.0	0.8	0.0	16.6
44196	44561	2041	2042	3.0	0.0	0.0	0.3	5.7	1.7	5.2	0.0	0.8	0.0	16.7
44561	44926	2042	2043	3.0	0.0	0.0	0.3	5.7	1.7	5.2	0.0	0.8	0.0	16.7
44926	45291	2043	2044	3.0	0.0	0.0	0.3	5.7	1.7	5.3	0.0	0.8	0.0	16.7
45291	45657	2044	2045	3.0	0.0	0.0	0.3	5.7	1.7	5.3	0.0	0.8	0.0	16.7
45657	46022	2045	2046	3.0	0.0	0.0	0.3	5.7	1.7	5.3	0.0	0.8	0.0	16.8
46022	46387	2046	2047	3.0	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.8
46387	46752	2047	2048	3.0	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.8
46752	47118	2048	2049	3.0	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.9
47118	47483	2049	2050	3.0	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.9
47483	47848	2050	2051	3.0	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.9
47848	48213	2051	2052	3.0	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	16.9
48213	48579	2052	2053	3.0	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.0
48579	48944	2053	2054	3.0	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.0
48944	49309	2054	2055	3.0	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.0
49309	49674	2055	2056	3.1	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.1
49674	50040	2056	2057	3.1	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.1
50040	50405	2057	2058	3.1	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.1
50405	50770	2058	2059	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.8	0.0	17.1
50770	51135	2059	2060	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.8	0.0	17.2
51135	51501	2060	2061	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.9	0.0	17.2
51501	51866	2061	2062	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.9	0.0	17.2
51866	52231	2062	2063	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.9	0.0	17.3
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.9	0.0	17.3
52596	52962	2064	2065	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.9	0.0	17.3
52962	53327	2065	2066	3.1	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.9	0.0	17.3
53327	53692	2066	2067	3.1	0.0	0.0	0.4	5.7	1.7	5.6	0.0	0.9	0.0	17.4
53692	54057	2067	2068	3.1	0.0	0.0	0.4	5.7	1.7	5.6	0.0	0.9	0.0	17.4
54057	54423	2068	2069	3.1	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.4
54423	54788	2069	2070	3.1	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.4
54788	55153	2070	2071	3.1	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.5
55153	55518	2071	2072	3.1	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.5
55518	55884	2072	2073	3.1	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.5
55884	56249	2073	2074	3.2	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.5
56249	56614	2074	2075	3.2	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.9	0.0	17.6
56614	56979	2075	2076	3.2	0.0	0.0	0.4	5.7	1.8	5.7	0.0	0.9	0.0	17.6
56979	57345	2076	2077	3.2	0.0	0.0	0.4	5.7	1.8	5.7	0.0	0.9	0.0	17.6
57345	57710	2077	2078	3.2	0.0	0.0	0.4	5.7	1.8	5.7	0.0	0.9	0.0	17.6
57710	58075	2078	2079	3.2	0.0	0.0	0.4	5.7	1.8	5.7	0.0	0.9	0.0	17.6
58075	58440	2079	2080	3.2	0.0	0.0	0.4	5.7	1.8	5.7	0.0	0.9	0.0	17.7
58440	58806	2080	2081	3.2	0.0	0.0	0.4	5.7	1.8	5.7	0.0	0.9	0.0	17.7
58806	59171	2081	2082	3.2	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.7
59171	59536	2082	2083	3.2	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.7
59536	59901	2083	2084	3.2	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.8
59901	60267	2084	2085	3.2	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.8
60267	60632	2085	2086	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.8
60632	60997	2086	2087	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.8
60997	61362	2087	2088	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.8
61362	61728	2088	2089	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
61728	62093	2089	2090	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
62093	62458	2090	2091	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
62458	62823	2091	2092	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
62823	63189	2092	2093	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
63189	63554	2093	2094	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
63554	63919	2094	2095	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	18.0
63919	64284	2095	2096	3.2	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	18.0
64284	64650	2096	2097	3.2	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.0
64650	65015	2097	2098	3.2	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.0
65015	65380	2098	2099	3.2	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.0
65380	65745	2099	2100	3.2	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
65745	66110	2100	2101	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
66110	66475	2101	2102	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
66475	66840	2102	2103	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
66840	67205	2103	2104	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
67205	67571	2104	2105	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
67571	67936	2105	2106	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.2
67936	68301	2106	2107	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	1.0	0.0	18.2
68301	68666	2107	2108	3.3	0.0	0.0	0.4	5.8	1.8	5.9	0.0	1.0	0.0	18.2
68666	69032	2108	2109	3.3	0.0	0.0	0.4	5.8	1.8	6.0	0.0	1.0	0.0	18.2
69032	69397	2109	2110	3.3	0.0	0.0	0.4	5.8	1.8	6.0	0.0	1.0	0.0	18.2
69397	69762	2110	2111	3.3	0.0	0.0	0.4	5.8	1.8	6.0	0.0	1.0	0.0	18.2
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	824	1284	424	188	105	4147
29586	29951	2001	2002	310	108	0	66	808	811	1263	418	190	107	4081
29951	30316	2002	2003	301	103	0	64	796	797	1236	409	191	109	4006
30316	30681	2003	2004	294	100	0	62	784	783	1207	399	192	111	3933
30681	31047	2004	2005	288	98	0	61	774	768	1180	390	192	113	3864
31047	31412	2005	2006	264	97	0	60	756	478	1143	382	192	114	3485
31412	31777	2006	2007	258	95	0	59	748	470	1121	373	192	115	3432
31777	32142	2007	2008	225	0	0	24	737	425	295	2	182	116	2007
32142	32508	2008	2009	221	0	0	22	727	412	281	1	138	0	1803
32508	32873	2009	2010	218	0	0	19	390	291	270	0	49	0	1237
32873	33238	2010	2011	214	0	0	13	268	272	260	0	47	0	1074
33238	33603	2011	2012	183	0	0	10	255	262	251	0	46	0	1007
33603	33969	2012	2013	156	0	0	9	250	255	244	0	45	0	959
33969	34334	2013	2014	142	0	0	8	247	250	238	0	44	0	929
34334	34699	2014	2015	134	0	0	8	246	245	233	0	43	0	908

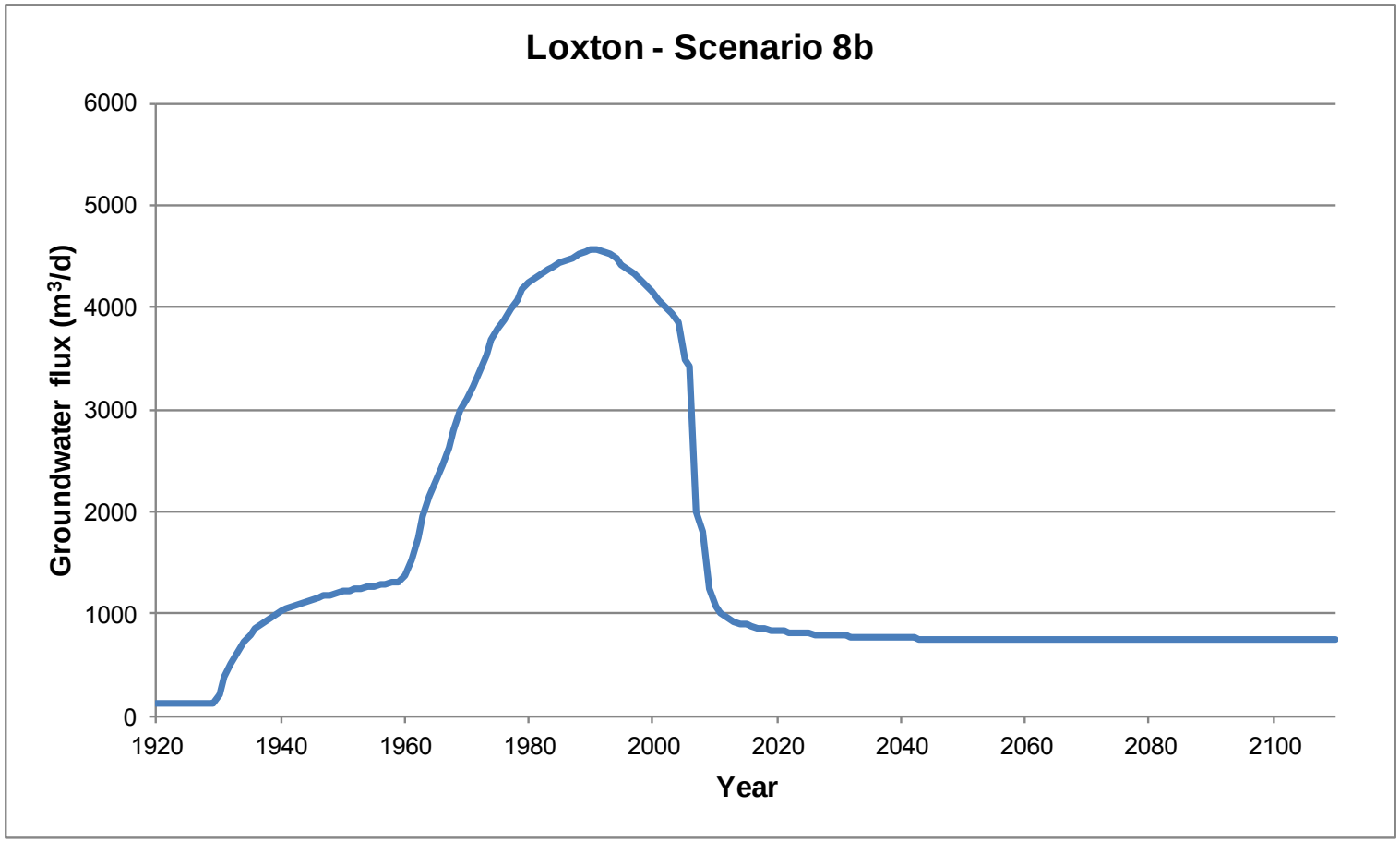
B-3a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	128	0	0	7	244	241	229	0	42	0	891
35064	35430	2016	2017	123	0	0	7	243	238	225	0	41	0	877
35430	35795	2017	2018	120	0	0	7	242	235	221	0	40	0	865
35795	36160	2018	2019	117	0	0	7	241	233	218	0	40	0	855
36160	36525	2019	2020	115	0	0	6	240	230	215	0	39	0	846
36525	36891	2020	2021	113	0	0	6	239	228	213	0	38	0	838
36891	37256	2021	2022	111	0	0	6	238	226	210	0	38	0	830
37256	37621	2022	2023	110	0	0	6	238	225	208	0	37	0	824
37621	37986	2023	2024	109	0	0	6	237	223	206	0	37	0	818
37986	38352	2024	2025	108	0	0	6	237	221	204	0	37	0	812
38352	38717	2025	2026	107	0	0	6	237	220	202	0	36	0	807
38717	39082	2026	2027	106	0	0	6	236	219	201	0	36	0	803
39082	39447	2027	2028	105	0	0	6	236	218	199	0	36	0	799
39447	39813	2028	2029	104	0	0	5	236	216	198	0	35	0	795
39813	40178	2029	2030	104	0	0	5	235	215	197	0	35	0	791
40178	40543	2030	2031	103	0	0	5	235	214	195	0	35	0	788
40543	40908	2031	2032	103	0	0	5	235	213	194	0	34	0	785
40908	41274	2032	2033	102	0	0	5	234	213	193	0	34	0	782
41274	41639	2033	2034	102	0	0	5	234	212	192	0	34	0	779
41639	42004	2034	2035	101	0	0	5	234	211	191	0	34	0	776
42004	42369	2035	2036	101	0	0	5	234	210	190	0	34	0	774
42369	42735	2036	2037	101	0	0	5	233	210	190	0	33	0	772
42735	43100	2037	2038	100	0	0	5	233	209	189	0	33	0	770
43100	43465	2038	2039	100	0	0	5	233	209	188	0	33	0	768
43465	43830	2039	2040	100	0	0	5	233	208	188	0	33	0	766
43830	44196	2040	2041	99	0	0	5	233	208	187	0	33	0	764
44196	44561	2041	2042	99	0	0	5	232	207	186	0	33	0	763
44561	44926	2042	2043	99	0	0	5	232	207	186	0	33	0	761
44926	45291	2043	2044	99	0	0	5	232	206	185	0	32	0	760
45291	45657	2044	2045	99	0	0	5	232	206	185	0	32	0	759
45657	46022	2045	2046	98	0	0	5	232	205	184	0	32	0	757
46022	46387	2046	2047	98	0	0	5	232	205	184	0	32	0	756
46387	46752	2047	2048	98	0	0	5	232	205	184	0	32	0	755
46752	47118	2048	2049	98	0	0	5	232	204	183	0	32	0	754
47118	47483	2049	2050	98	0	0	5	232	204	183	0	32	0	753
47483	47848	2050	2051	98	0	0	5	231	204	182	0	32	0	752
47848	48213	2051	2052	98	0	0	5	231	204	182	0	32	0	751
48213	48579	2052	2053	98	0	0	5	231	203	182	0	32	0	751
48579	48944	2053	2054	97	0	0	5	231	203	182	0	32	0	750
48944	49309	2054	2055	97	0	0	5	231	203	181	0	32	0	749
49309	49674	2055	2056	97	0	0	5	231	203	181	0	32	0	749
49674	50040	2056	2057	97	0	0	5	231	203	181	0	32	0	748
50040	50405	2057	2058	97	0	0	5	231	202	181	0	32	0	747
50405	50770	2058	2059	97	0	0	5	231	202	180	0	32	0	747
50770	51135	2059	2060	97	0	0	5	231	202	180	0	32	0	746
51135	51501	2060	2061	97	0	0	5	231	202	180	0	31	0	746
51501	51866	2061	2062	97	0	0	5	231	202	180	0	31	0	746
51866	52231	2062	2063	97	0	0	5	231	202	180	0	31	0	745

B-3a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	97	0	0	5	231	202	180	0	31	0	745
52596	52962	2064	2065	97	0	0	5	231	202	179	0	31	0	744
52962	53327	2065	2066	97	0	0	5	231	201	179	0	31	0	744
53327	53692	2066	2067	96	0	0	5	231	201	179	0	31	0	744
53692	54057	2067	2068	96	0	0	5	231	201	179	0	31	0	744
54057	54423	2068	2069	96	0	0	5	231	201	179	0	31	0	743
54423	54788	2069	2070	96	0	0	5	231	201	179	0	31	0	743
54788	55153	2070	2071	96	0	0	5	231	201	179	0	31	0	743
55153	55518	2071	2072	96	0	0	5	231	201	179	0	31	0	743
55518	55884	2072	2073	96	0	0	5	231	201	179	0	31	0	742
55884	56249	2073	2074	96	0	0	5	230	201	179	0	31	0	742
56249	56614	2074	2075	96	0	0	5	230	201	179	0	31	0	742
56614	56979	2075	2076	96	0	0	5	230	201	179	0	31	0	742
56979	57345	2076	2077	96	0	0	5	230	201	179	0	31	0	742
57345	57710	2077	2078	96	0	0	5	230	201	178	0	31	0	742
57710	58075	2078	2079	96	0	0	5	230	201	178	0	31	0	742
58075	58440	2079	2080	96	0	0	5	230	201	178	0	31	0	742
58440	58806	2080	2081	96	0	0	5	230	201	178	0	31	0	742
58806	59171	2081	2082	96	0	0	5	230	201	178	0	31	0	741
59171	59536	2082	2083	96	0	0	5	230	201	178	0	31	0	741
59536	59901	2083	2084	96	0	0	5	230	201	178	0	31	0	741
59901	60267	2084	2085	96	0	0	5	230	201	178	0	31	0	741
60267	60632	2085	2086	96	0	0	5	230	201	178	0	31	0	741
60632	60997	2086	2087	96	0	0	5	230	201	178	0	31	0	741
60997	61362	2087	2088	96	0	0	5	230	201	178	0	31	0	741
61362	61728	2088	2089	96	0	0	5	230	201	178	0	31	0	741
61728	62093	2089	2090	96	0	0	5	230	201	178	0	31	0	741
62093	62458	2090	2091	96	0	0	5	230	201	178	0	31	0	741
62458	62823	2091	2092	96	0	0	5	230	201	178	0	31	0	741
62823	63189	2092	2093	96	0	0	5	230	201	178	0	31	0	741
63189	63554	2093	2094	96	0	0	5	230	201	178	0	31	0	741
63554	63919	2094	2095	96	0	0	5	230	201	178	0	31	0	741
63919	64284	2095	2096	96	0	0	5	230	201	178	0	31	0	741
64284	64650	2096	2097	96	0	0	5	230	201	178	0	31	0	741
64650	65015	2097	2098	96	0	0	5	230	201	178	0	31	0	742
65015	65380	2098	2099	96	0	0	5	230	201	178	0	31	0	742
65380	65745	2099	2100	96	0	0	5	230	201	178	0	31	0	742
65745	66110	2100	2101	96	0	0	5	230	201	178	0	31	0	742
66110	66475	2101	2102	96	0	0	5	230	201	178	0	31	0	742
66475	66840	2102	2103	96	0	0	5	230	201	179	0	31	0	742
66840	67205	2103	2104	96	0	0	5	230	201	179	0	31	0	742
67205	67571	2104	2105	96	0	0	5	230	201	179	0	31	0	742
67571	67936	2105	2106	96	0	0	5	230	201	179	0	32	0	742
67936	68301	2106	2107	96	0	0	5	230	201	179	0	32	0	742
68301	68666	2107	2108	96	0	0	5	230	201	179	0	32	0	742
68666	69032	2108	2109	96	0	0	5	230	201	179	0	32	0	742
69032	69397	2109	2110	96	0	0	5	231	201	179	0	32	0	743
69397	69762	2110	2111	96	0	0	5	231	201	179	0	32	0	743

B-3a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.7	3.1	0.0	2.6	18.6	5.7	29.1	10.0	3.7	2.5	83.0
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.3	5.6	28.4	9.8	3.7	2.5	81.4
30316	30681	2003	2004	7.3	2.9	0.0	2.4	18.0	5.5	27.8	9.6	3.7	2.6	79.8
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.8	5.4	27.1	9.4	3.7	2.6	78.4
31047	31412	2005	2006	6.6	2.8	0.0	2.3	17.4	3.3	26.3	9.2	3.7	2.6	74.3
31412	31777	2006	2007	6.5	2.8	0.0	2.3	17.2	3.3	25.8	9.0	3.7	2.7	73.1
31777	32142	2007	2008	5.6	0.0	0.0	0.9	17.0	3.0	6.8	0.1	3.5	2.7	39.5
32142	32508	2008	2009	5.5	0.0	0.0	0.9	16.7	2.9	6.5	0.0	2.7	0.0	35.2
32508	32873	2009	2010	5.4	0.0	0.0	0.8	9.0	2.0	6.2	0.0	1.0	0.0	24.4
32873	33238	2010	2011	5.4	0.0	0.0	0.5	6.2	1.9	6.0	0.0	0.9	0.0	20.8
33238	33603	2011	2012	4.6	0.0	0.0	0.4	5.9	1.8	5.8	0.0	0.9	0.0	19.3
33603	33969	2012	2013	3.9	0.0	0.0	0.4	5.8	1.8	5.6	0.0	0.9	0.0	18.3
33969	34334	2013	2014	3.6	0.0	0.0	0.3	5.7	1.7	5.5	0.0	0.8	0.0	17.6
34334	34699	2014	2015	3.3	0.0	0.0	0.3	5.6	1.7	5.4	0.0	0.8	0.0	17.2
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

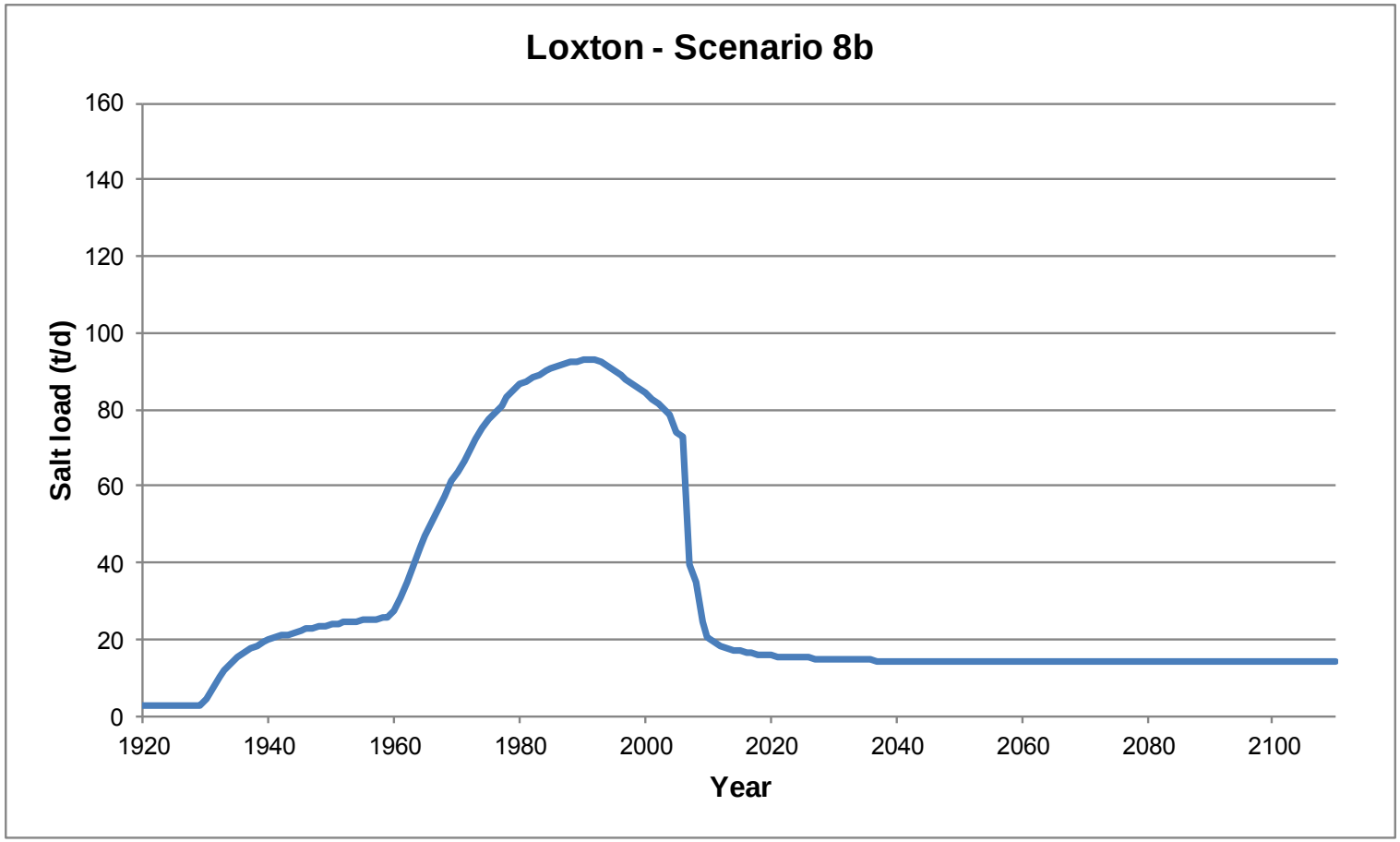
B-3b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	3.2	0.0	0.0	0.3	5.6	1.7	5.3	0.0	0.8	0.0	16.9
35064	35430	2016	2017	3.1	0.0	0.0	0.3	5.6	1.7	5.2	0.0	0.8	0.0	16.6
35430	35795	2017	2018	3.0	0.0	0.0	0.3	5.6	1.6	5.1	0.0	0.8	0.0	16.3
35795	36160	2018	2019	2.9	0.0	0.0	0.3	5.5	1.6	5.0	0.0	0.8	0.0	16.1
36160	36525	2019	2020	2.9	0.0	0.0	0.2	5.5	1.6	5.0	0.0	0.8	0.0	16.0
36525	36891	2020	2021	2.8	0.0	0.0	0.2	5.5	1.6	4.9	0.0	0.7	0.0	15.8
36891	37256	2021	2022	2.8	0.0	0.0	0.2	5.5	1.6	4.8	0.0	0.7	0.0	15.7
37256	37621	2022	2023	2.7	0.0	0.0	0.2	5.5	1.6	4.8	0.0	0.7	0.0	15.5
37621	37986	2023	2024	2.7	0.0	0.0	0.2	5.5	1.6	4.7	0.0	0.7	0.0	15.4
37986	38352	2024	2025	2.7	0.0	0.0	0.2	5.4	1.5	4.7	0.0	0.7	0.0	15.3
38352	38717	2025	2026	2.7	0.0	0.0	0.2	5.4	1.5	4.7	0.0	0.7	0.0	15.2
38717	39082	2026	2027	2.6	0.0	0.0	0.2	5.4	1.5	4.6	0.0	0.7	0.0	15.1
39082	39447	2027	2028	2.6	0.0	0.0	0.2	5.4	1.5	4.6	0.0	0.7	0.0	15.1
39447	39813	2028	2029	2.6	0.0	0.0	0.2	5.4	1.5	4.6	0.0	0.7	0.0	15.0
39813	40178	2029	2030	2.6	0.0	0.0	0.2	5.4	1.5	4.5	0.0	0.7	0.0	14.9
40178	40543	2030	2031	2.6	0.0	0.0	0.2	5.4	1.5	4.5	0.0	0.7	0.0	14.9
40543	40908	2031	2032	2.6	0.0	0.0	0.2	5.4	1.5	4.5	0.0	0.7	0.0	14.8
40908	41274	2032	2033	2.6	0.0	0.0	0.2	5.4	1.5	4.4	0.0	0.7	0.0	14.7
41274	41639	2033	2034	2.5	0.0	0.0	0.2	5.4	1.5	4.4	0.0	0.7	0.0	14.7
41639	42004	2034	2035	2.5	0.0	0.0	0.2	5.4	1.5	4.4	0.0	0.7	0.0	14.6
42004	42369	2035	2036	2.5	0.0	0.0	0.2	5.4	1.5	4.4	0.0	0.7	0.0	14.6
42369	42735	2036	2037	2.5	0.0	0.0	0.2	5.4	1.5	4.4	0.0	0.6	0.0	14.6
42735	43100	2037	2038	2.5	0.0	0.0	0.2	5.4	1.5	4.3	0.0	0.6	0.0	14.5
43100	43465	2038	2039	2.5	0.0	0.0	0.2	5.4	1.5	4.3	0.0	0.6	0.0	14.5
43465	43830	2039	2040	2.5	0.0	0.0	0.2	5.4	1.5	4.3	0.0	0.6	0.0	14.5
43830	44196	2040	2041	2.5	0.0	0.0	0.2	5.4	1.5	4.3	0.0	0.6	0.0	14.4
44196	44561	2041	2042	2.5	0.0	0.0	0.2	5.3	1.4	4.3	0.0	0.6	0.0	14.4
44561	44926	2042	2043	2.5	0.0	0.0	0.2	5.3	1.4	4.3	0.0	0.6	0.0	14.4
44926	45291	2043	2044	2.5	0.0	0.0	0.2	5.3	1.4	4.3	0.0	0.6	0.0	14.3
45291	45657	2044	2045	2.5	0.0	0.0	0.2	5.3	1.4	4.3	0.0	0.6	0.0	14.3
45657	46022	2045	2046	2.5	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.3
46022	46387	2046	2047	2.5	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.3
46387	46752	2047	2048	2.5	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.3
46752	47118	2048	2049	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.2
47118	47483	2049	2050	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.2
47483	47848	2050	2051	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.2
47848	48213	2051	2052	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.2
48213	48579	2052	2053	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.2
48579	48944	2053	2054	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.2
48944	49309	2054	2055	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.1
49309	49674	2055	2056	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.1
49674	50040	2056	2057	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.1
50040	50405	2057	2058	2.4	0.0	0.0	0.2	5.3	1.4	4.2	0.0	0.6	0.0	14.1
50405	50770	2058	2059	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
50770	51135	2059	2060	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
51135	51501	2060	2061	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
51501	51866	2061	2062	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
51866	52231	2062	2063	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
52596	52962	2064	2065	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.1
52962	53327	2065	2066	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
53327	53692	2066	2067	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
53692	54057	2067	2068	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
54057	54423	2068	2069	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
54423	54788	2069	2070	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
54788	55153	2070	2071	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
55153	55518	2071	2072	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
55518	55884	2072	2073	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
55884	56249	2073	2074	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
56249	56614	2074	2075	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
56614	56979	2075	2076	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
56979	57345	2076	2077	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
57345	57710	2077	2078	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
57710	58075	2078	2079	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
58075	58440	2079	2080	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
58440	58806	2080	2081	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
58806	59171	2081	2082	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
59171	59536	2082	2083	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
59536	59901	2083	2084	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
59901	60267	2084	2085	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
60267	60632	2085	2086	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
60632	60997	2086	2087	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
60997	61362	2087	2088	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
61362	61728	2088	2089	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
61728	62093	2089	2090	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
62093	62458	2090	2091	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
62458	62823	2091	2092	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
62823	63189	2092	2093	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
63189	63554	2093	2094	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
63554	63919	2094	2095	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
63919	64284	2095	2096	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
64284	64650	2096	2097	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
64650	65015	2097	2098	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
65015	65380	2098	2099	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
65380	65745	2099	2100	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
65745	66110	2100	2101	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
66110	66475	2101	2102	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
66475	66840	2102	2103	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
66840	67205	2103	2104	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
67205	67571	2104	2105	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
67571	67936	2105	2106	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
67936	68301	2106	2107	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
68301	68666	2107	2108	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
68666	69032	2108	2109	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
69032	69397	2109	2110	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
69397	69762	2110	2111	2.4	0.0	0.0	0.2	5.3	1.4	4.1	0.0	0.6	0.0	14.0
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8b) (Part4/4)



B-3b (S8b). Graph of modelled salt load (t/d) entering the River Murray in Loxton (Scenario 8b)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
0	1	1920	1920	5	0	0	0	31	8	56	7	7	17	132
1	366	1920	1921	5	0	0	0	31	8	56	7	7	17	132
366	731	1921	1922	5	0	0	0	31	8	56	7	7	17	132
731	1096	1922	1923	5	0	0	0	31	8	56	7	7	17	132
1096	1461	1923	1924	5	0	0	0	31	8	56	7	7	17	132
1461	1827	1924	1925	5	0	0	0	31	8	56	7	7	17	132
1827	2192	1925	1926	5	0	0	0	31	8	56	7	7	17	132
2192	2557	1926	1927	5	0	0	0	31	8	56	7	7	17	132
2557	2922	1927	1928	5	0	0	0	31	8	56	7	7	17	132
2922	3288	1928	1929	5	0	0	0	31	8	56	7	7	17	132
3288	3653	1929	1930	5	0	0	0	31	8	56	7	7	17	132
3653	4018	1930	1931	6	21	0	0	61	39	62	7	7	17	220
4018	4383	1931	1932	14	46	0	0	105	89	89	8	7	17	374
4383	4749	1932	1933	20	62	0	0	143	140	119	8	7	17	515
4749	5114	1933	1934	24	73	0	1	176	179	145	8	7	17	631
5114	5479	1934	1935	28	81	0	3	203	207	166	9	7	17	721
5479	5844	1935	1936	31	86	0	4	226	227	185	11	7	17	795
5844	6210	1936	1937	35	90	0	5	246	244	200	12	7	17	857
6210	6575	1937	1938	39	93	0	7	261	256	213	13	7	17	907
6575	6940	1938	1939	43	95	0	9	275	267	224	14	8	17	951
6940	7305	1939	1940	46	97	0	10	287	276	233	15	8	17	989
7305	7671	1940	1941	49	99	0	12	297	284	241	16	8	17	1023
7671	8036	1941	1942	52	100	0	13	306	291	248	16	8	17	1051
8036	8401	1942	1943	55	102	0	13	314	297	254	17	8	17	1077
8401	8766	1943	1944	58	103	0	15	321	302	259	18	8	17	1100
8766	9132	1944	1945	61	104	0	16	327	307	264	19	8	17	1121
9132	9497	1945	1946	63	105	0	16	332	311	269	19	8	17	1140
9497	9862	1946	1947	65	105	0	17	337	315	273	20	8	18	1158
9862	10227	1947	1948	68	106	0	18	342	318	276	20	8	18	1174
10227	10593	1948	1949	70	107	0	19	346	321	280	21	8	18	1189
10593	10958	1949	1950	72	107	0	19	350	324	283	21	8	18	1202
10958	11323	1950	1951	74	108	0	20	353	327	286	22	8	18	1216
11323	11688	1951	1952	75	109	0	20	356	330	289	22	8	18	1228
11688	12054	1952	1953	77	109	0	21	359	332	292	23	8	18	1239
12054	12419	1953	1954	79	109	0	21	362	334	295	23	8	18	1249
12419	12784	1954	1955	80	110	0	21	364	336	297	24	8	18	1260
12784	13149	1955	1956	82	110	0	22	367	339	300	24	8	18	1270
13149	13515	1956	1957	83	110	0	22	369	341	303	25	9	18	1280
13515	13880	1957	1958	84	111	0	22	372	343	306	25	9	18	1290
13880	14245	1958	1959	85	111	0	23	374	345	309	26	9	18	1300
14245	14610	1959	1960	87	111	0	23	376	348	312	26	9	18	1311
14610	14976	1960	1961	92	110	0	25	413	351	326	31	9	19	1376
14976	15341	1961	1962	110	115	0	32	470	371	366	42	11	19	1535
15341	15706	1962	1963	138	124	0	41	527	403	418	55	12	19	1737
15706	16071	1963	1964	170	134	0	51	582	441	472	67	13	19	1949
16071	16437	1964	1965	202	144	0	59	633	480	525	78	14	19	2154
16437	16802	1965	1966	223	144	0	66	669	503	573	87	15	20	2300
16802	17167	1966	1967	247	148	0	71	704	533	620	97	16	20	2454

B-3a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
17167	17532	1967	1968	271	152	0	75	741	570	672	107	18	20	2627
17532	17898	1968	1969	295	157	0	79	780	611	728	117	20	21	2807
17898	18263	1969	1970	317	162	0	83	819	654	786	130	22	21	2993
18263	18628	1970	1971	327	157	0	86	842	676	835	143	24	22	3111
18628	18993	1971	1972	339	156	0	87	862	700	883	159	27	23	3237
18993	19359	1972	1973	352	156	0	89	884	729	934	177	31	23	3377
19359	19724	1973	1974	366	158	0	91	907	760	987	196	37	25	3526
19724	20089	1974	1975	379	160	0	93	931	791	1039	216	44	26	3677
20089	20454	1975	1976	387	158	0	94	945	812	1080	231	51	27	3784
20454	20820	1976	1977	394	158	0	94	957	831	1113	245	59	29	3880
20820	21185	1977	1978	402	158	0	95	970	851	1145	260	67	31	3978
21185	21550	1978	1979	409	159	0	96	983	871	1176	275	75	33	4077
21550	21915	1979	1980	417	160	0	97	997	890	1207	290	82	37	4176
21915	22281	1980	1981	423	161	0	98	1001	899	1228	301	90	40	4239
22281	22646	1981	1982	427	161	0	98	1004	906	1242	311	97	43	4290
22646	23011	1982	1983	431	162	0	98	1004	906	1254	320	104	47	4326
23011	23376	1983	1984	435	162	0	98	1004	909	1267	330	111	51	4367
23376	23742	1984	1985	436	162	0	98	1000	914	1281	340	117	55	4402
23742	24107	1985	1986	434	161	0	97	995	917	1295	349	123	58	4431
24107	24472	1986	1987	433	160	0	96	992	921	1307	358	129	62	4459
24472	24837	1987	1988	431	160	0	96	991	924	1318	367	135	66	4486
24837	25203	1988	1989	430	159	0	95	990	927	1327	375	140	70	4513
25203	25568	1989	1990	430	158	0	95	990	929	1335	384	146	73	4539
25568	25933	1990	1991	429	158	0	95	990	931	1342	391	151	77	4564
25933	26298	1991	1992	425	156	0	94	980	928	1347	399	156	80	4563
26298	26664	1992	1993	417	153	0	92	966	924	1352	406	160	83	4554
26664	27029	1993	1994	406	149	0	90	950	916	1356	412	165	86	4530
27029	27394	1994	1995	393	142	0	87	930	900	1352	418	169	89	4479
27394	27759	1995	1996	377	133	0	83	911	886	1345	423	173	92	4423
27759	28125	1996	1997	364	127	0	80	892	874	1337	427	176	95	4372
28125	28490	1997	1998	351	123	0	77	874	863	1330	430	180	98	4326
28490	28855	1998	1999	340	119	0	74	855	851	1317	428	183	100	4267
28855	29220	1999	2000	329	115	0	71	837	838	1300	426	186	103	4204
29220	29586	2000	2001	320	112	0	69	821	825	1285	424	188	105	4148
29586	29951	2001	2002	310	108	0	66	808	812	1263	418	190	107	4082
29951	30316	2002	2003	301	103	0	64	796	797	1236	409	191	109	4007
30316	30681	2003	2004	294	100	0	63	785	783	1207	399	192	111	3933
30681	31047	2004	2005	288	98	0	61	774	768	1180	390	192	113	3865
31047	31412	2005	2006	264	99	0	62	758	478	1144	382	192	114	3492
31412	31777	2006	2007	259	99	0	62	751	471	1122	373	192	115	3445
31777	32142	2007	2008	226	0	0	27	743	426	296	2	183	116	2019
32142	32508	2008	2009	222	0	0	26	736	414	282	2	139	0	1821
32508	32873	2009	2010	219	0	0	24	398	292	272	0	50	0	1256
32873	33238	2010	2011	217	0	0	17	274	274	262	0	48	0	1092
33238	33603	2011	2012	186	0	0	13	261	264	254	0	47	0	1025
33603	33969	2012	2013	159	0	0	12	256	257	247	0	46	0	978
33969	34334	2013	2014	145	0	0	11	254	252	242	0	45	0	950
34334	34699	2014	2015	137	0	0	11	252	249	238	0	45	0	931

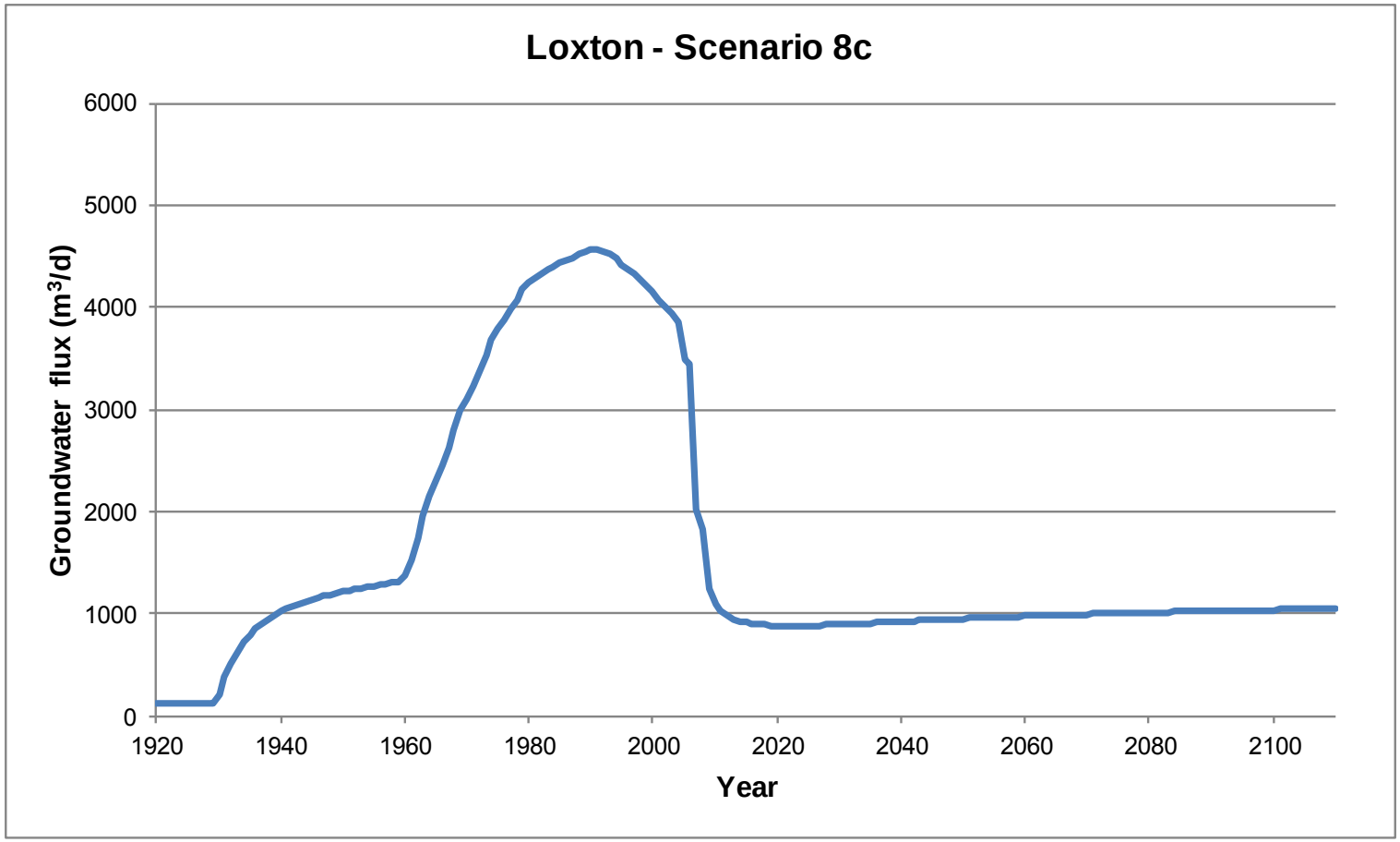
B-3a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
34699	35064	2015	2016	132	0	0	10	251	245	234	0	44	0	917
35064	35430	2016	2017	129	0	0	10	249	243	231	0	43	0	906
35430	35795	2017	2018	127	0	0	10	249	241	229	0	43	0	898
35795	36160	2018	2019	125	0	0	10	248	239	227	0	42	0	891
36160	36525	2019	2020	124	0	0	10	248	238	226	0	42	0	887
36525	36891	2020	2021	123	0	0	9	247	238	225	0	42	0	884
36891	37256	2021	2022	123	0	0	9	247	237	225	0	41	0	883
37256	37621	2022	2023	122	0	0	9	247	237	225	0	41	0	882
37621	37986	2023	2024	122	0	0	9	247	238	225	0	41	0	882
37986	38352	2024	2025	122	0	0	9	247	238	226	0	41	0	883
38352	38717	2025	2026	123	0	0	9	247	239	227	0	41	0	885
38717	39082	2026	2027	123	0	0	9	247	239	227	0	41	0	886
39082	39447	2027	2028	123	0	0	9	247	240	228	0	41	0	889
39447	39813	2028	2029	123	0	0	9	247	241	229	0	41	0	891
39813	40178	2029	2030	124	0	0	9	247	242	230	0	41	0	894
40178	40543	2030	2031	124	0	0	9	248	242	231	0	41	0	896
40543	40908	2031	2032	125	0	0	9	248	243	233	0	41	0	899
40908	41274	2032	2033	125	0	0	9	248	244	234	0	42	0	902
41274	41639	2033	2034	126	0	0	9	248	245	235	0	42	0	905
41639	42004	2034	2035	126	0	0	9	248	246	236	0	42	0	908
42004	42369	2035	2036	127	0	0	9	249	247	237	0	42	0	911
42369	42735	2036	2037	127	0	0	9	249	248	238	0	42	0	914
42735	43100	2037	2038	128	0	0	10	249	249	239	0	43	0	917
43100	43465	2038	2039	128	0	0	10	249	250	241	0	43	0	920
43465	43830	2039	2040	129	0	0	10	250	251	242	0	43	0	923
43830	44196	2040	2041	129	0	0	10	250	251	243	0	43	0	926
44196	44561	2041	2042	130	0	0	10	250	252	244	0	43	0	929
44561	44926	2042	2043	130	0	0	10	250	253	245	0	44	0	932
44926	45291	2043	2044	131	0	0	10	250	254	246	0	44	0	935
45291	45657	2044	2045	131	0	0	10	251	255	247	0	44	0	938
45657	46022	2045	2046	132	0	0	10	251	256	248	0	44	0	941
46022	46387	2046	2047	132	0	0	10	251	257	249	0	45	0	943
46387	46752	2047	2048	133	0	0	10	251	257	250	0	45	0	946
46752	47118	2048	2049	133	0	0	10	251	258	251	0	45	0	949
47118	47483	2049	2050	134	0	0	10	252	259	252	0	45	0	952
47483	47848	2050	2051	134	0	0	10	252	260	253	0	45	0	954
47848	48213	2051	2052	135	0	0	10	252	260	254	0	46	0	957
48213	48579	2052	2053	135	0	0	10	252	261	255	0	46	0	959
48579	48944	2053	2054	135	0	0	10	252	262	256	0	46	0	962
48944	49309	2054	2055	136	0	0	10	253	263	257	0	46	0	964
49309	49674	2055	2056	136	0	0	10	253	263	258	0	46	0	966
49674	50040	2056	2057	136	0	0	10	253	264	259	0	47	0	969
50040	50405	2057	2058	137	0	0	10	253	265	259	0	47	0	971
50405	50770	2058	2059	137	0	0	10	253	265	260	0	47	0	973
50770	51135	2059	2060	137	0	0	10	253	266	261	0	47	0	975
51135	51501	2060	2061	138	0	0	10	254	267	262	0	47	0	978
51501	51866	2061	2062	138	0	0	10	254	267	263	0	48	0	980
51866	52231	2062	2063	138	0	0	10	254	268	264	0	48	0	982

B-3a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Flux (m^3/d)
52231	52596	2063	2064	139	0	0	10	254	268	264	0	48	0	984
52596	52962	2064	2065	139	0	0	10	254	269	265	0	48	0	986
52962	53327	2065	2066	139	0	0	10	254	270	266	0	48	0	988
53327	53692	2066	2067	140	0	0	10	254	270	267	0	49	0	990
53692	54057	2067	2068	140	0	0	10	255	271	267	0	49	0	992
54057	54423	2068	2069	140	0	0	10	255	271	268	0	49	0	994
54423	54788	2069	2070	140	0	0	10	255	272	269	0	49	0	996
54788	55153	2070	2071	141	0	0	10	255	272	269	0	49	0	998
55153	55518	2071	2072	141	0	0	10	255	273	270	1	50	0	999
55518	55884	2072	2073	141	0	0	10	255	273	271	1	50	0	1001
55884	56249	2073	2074	141	0	0	11	255	274	271	1	50	0	1003
56249	56614	2074	2075	142	0	0	11	255	274	272	1	50	0	1005
56614	56979	2075	2076	142	0	0	11	256	275	273	1	50	0	1006
56979	57345	2076	2077	142	0	0	11	256	275	273	1	50	0	1008
57345	57710	2077	2078	142	0	0	11	256	276	274	1	51	0	1010
57710	58075	2078	2079	142	0	0	11	256	276	274	1	51	0	1011
58075	58440	2079	2080	143	0	0	11	256	277	275	1	51	0	1013
58440	58806	2080	2081	143	0	0	11	256	277	276	1	51	0	1015
58806	59171	2081	2082	143	0	0	11	256	278	276	1	51	0	1016
59171	59536	2082	2083	143	0	0	11	256	278	277	1	51	0	1018
59536	59901	2083	2084	143	0	0	11	256	279	277	1	51	0	1019
59901	60267	2084	2085	144	0	0	11	257	279	278	1	52	0	1021
60267	60632	2085	2086	144	0	0	11	257	279	278	1	52	0	1022
60632	60997	2086	2087	144	0	0	11	257	280	279	1	52	0	1023
60997	61362	2087	2088	144	0	0	11	257	280	280	1	52	0	1025
61362	61728	2088	2089	144	0	0	11	257	281	280	1	52	0	1026
61728	62093	2089	2090	144	0	0	11	257	281	280	1	52	0	1027
62093	62458	2090	2091	145	0	0	11	257	281	281	2	52	0	1029
62458	62823	2091	2092	145	0	0	11	257	282	281	2	53	0	1030
62823	63189	2092	2093	145	0	0	11	257	282	282	2	53	0	1031
63189	63554	2093	2094	145	0	0	11	257	282	282	2	53	0	1032
63554	63919	2094	2095	145	0	0	11	257	283	283	2	53	0	1034
63919	64284	2095	2096	145	0	0	11	257	283	283	2	53	0	1035
64284	64650	2096	2097	146	0	0	11	258	283	284	2	53	0	1036
64650	65015	2097	2098	146	0	0	11	258	284	284	2	53	0	1037
65015	65380	2098	2099	146	0	0	11	258	284	284	2	53	0	1038
65380	65745	2099	2100	146	0	0	11	258	284	285	2	54	0	1039
65745	66110	2100	2101	146	0	0	11	258	285	285	2	54	0	1040
66110	66475	2101	2102	146	0	0	11	258	285	285	2	54	0	1041
66475	66840	2102	2103	146	0	0	11	258	285	286	2	54	0	1042
66840	67205	2103	2104	146	0	0	11	258	285	286	2	54	0	1043
67205	67571	2104	2105	147	0	0	11	258	286	286	2	54	0	1044
67571	67936	2105	2106	147	0	0	11	258	286	287	2	54	0	1045
67936	68301	2106	2107	147	0	0	11	258	286	287	2	54	0	1045
68301	68666	2107	2108	147	0	0	11	258	286	287	2	54	0	1046
68666	69032	2108	2109	147	0	0	11	258	286	288	2	55	0	1047
69032	69397	2109	2110	147	0	0	11	258	287	288	2	55	0	1048
69397	69762	2110	2111	147	0	0	11	258	287	288	2	55	0	1049

B-3a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part4/4)



B-3a (S8c). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Loxton (Scenario 8c)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
0	1	1920	1920	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1	366	1920	1921	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
366	731	1921	1922	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
731	1096	1922	1923	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1096	1461	1923	1924	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1461	1827	1924	1925	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
1827	2192	1925	1926	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2192	2557	1926	1927	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2557	2922	1927	1928	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
2922	3288	1928	1929	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3288	3653	1929	1930	0.1	0.0	0.0	0.0	0.7	0.1	1.3	0.2	0.1	0.4	2.9
3653	4018	1930	1931	0.1	0.6	0.0	0.0	1.4	0.3	1.4	0.2	0.1	0.4	4.6
4018	4383	1931	1932	0.4	1.3	0.0	0.0	2.4	0.6	2.0	0.2	0.1	0.4	7.5
4383	4749	1932	1933	0.5	1.8	0.0	0.0	3.3	1.0	2.7	0.2	0.1	0.4	10.0
4749	5114	1933	1934	0.6	2.1	0.0	0.0	4.0	1.3	3.3	0.2	0.1	0.4	12.1
5114	5479	1934	1935	0.7	2.4	0.0	0.1	4.7	1.4	3.8	0.2	0.1	0.4	13.9
5479	5844	1935	1936	0.8	2.5	0.0	0.2	5.2	1.6	4.3	0.3	0.1	0.4	15.3
5844	6210	1936	1937	0.9	2.6	0.0	0.2	5.6	1.7	4.6	0.3	0.1	0.4	16.5
6210	6575	1937	1938	1.0	2.7	0.0	0.3	6.0	1.8	4.9	0.3	0.1	0.4	17.5
6575	6940	1938	1939	1.1	2.8	0.0	0.3	6.3	1.9	5.1	0.3	0.1	0.4	18.4
6940	7305	1939	1940	1.2	2.8	0.0	0.4	6.6	1.9	5.4	0.4	0.1	0.4	19.2
7305	7671	1940	1941	1.2	2.9	0.0	0.4	6.8	2.0	5.5	0.4	0.1	0.4	19.8
7671	8036	1941	1942	1.3	2.9	0.0	0.5	7.0	2.0	5.7	0.4	0.1	0.4	20.4
8036	8401	1942	1943	1.4	2.9	0.0	0.5	7.2	2.1	5.8	0.4	0.1	0.4	20.9
8401	8766	1943	1944	1.4	3.0	0.0	0.6	7.4	2.1	6.0	0.4	0.1	0.4	21.4
8766	9132	1944	1945	1.5	3.0	0.0	0.6	7.5	2.1	6.1	0.4	0.1	0.4	21.9
9132	9497	1945	1946	1.6	3.0	0.0	0.6	7.6	2.2	6.2	0.5	0.1	0.4	22.3
9497	9862	1946	1947	1.6	3.1	0.0	0.7	7.8	2.2	6.3	0.5	0.2	0.4	22.6
9862	10227	1947	1948	1.7	3.1	0.0	0.7	7.9	2.2	6.4	0.5	0.2	0.4	23.0
10227	10593	1948	1949	1.7	3.1	0.0	0.7	8.0	2.2	6.4	0.5	0.2	0.4	23.3
10593	10958	1949	1950	1.8	3.1	0.0	0.7	8.0	2.3	6.5	0.5	0.2	0.4	23.6
10958	11323	1950	1951	1.8	3.1	0.0	0.8	8.1	2.3	6.6	0.5	0.2	0.4	23.8
11323	11688	1951	1952	1.9	3.1	0.0	0.8	8.2	2.3	6.7	0.5	0.2	0.4	24.1
11688	12054	1952	1953	1.9	3.2	0.0	0.8	8.3	2.3	6.7	0.5	0.2	0.4	24.3
12054	12419	1953	1954	2.0	3.2	0.0	0.8	8.3	2.3	6.8	0.6	0.2	0.4	24.5
12419	12784	1954	1955	2.0	3.2	0.0	0.8	8.4	2.4	6.8	0.6	0.2	0.4	24.7
12784	13149	1955	1956	2.0	3.2	0.0	0.8	8.4	2.4	6.9	0.6	0.2	0.4	25.0
13149	13515	1956	1957	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.2
13515	13880	1957	1958	2.1	3.2	0.0	0.9	8.5	2.4	7.0	0.6	0.2	0.4	25.4
13880	14245	1958	1959	2.1	3.2	0.0	0.9	8.6	2.4	7.1	0.6	0.2	0.4	25.6
14245	14610	1959	1960	2.2	3.2	0.0	0.9	8.6	2.4	7.2	0.6	0.2	0.4	25.8
14610	14976	1960	1961	2.3	3.2	0.0	1.0	9.5	2.5	7.5	0.7	0.2	0.4	27.3
14976	15341	1961	1962	2.8	3.3	0.0	1.3	10.8	2.6	8.4	1.0	0.2	0.4	30.8
15341	15706	1962	1963	3.5	3.6	0.0	1.6	12.1	2.8	9.6	1.3	0.2	0.4	35.2
15706	16071	1963	1964	4.3	3.9	0.0	2.0	13.4	3.1	10.9	1.6	0.2	0.4	39.7
16071	16437	1964	1965	5.1	4.2	0.0	2.3	14.6	3.4	12.1	1.9	0.3	0.4	44.1
16437	16802	1965	1966	5.6	4.2	0.0	2.6	15.4	3.5	13.2	2.1	0.3	0.4	47.2
16802	17167	1966	1967	6.2	4.3	0.0	2.8	16.2	3.7	14.3	2.3	0.3	0.5	50.5
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
17167	17532	1967	1968	6.8	4.4	0.0	2.9	17.0	4.0	15.5	2.6	0.3	0.5	54.0
17532	17898	1968	1969	7.4	4.6	0.0	3.1	17.9	4.3	16.7	2.8	0.4	0.5	57.6
17898	18263	1969	1970	7.9	4.7	0.0	3.2	18.8	4.6	18.1	3.1	0.4	0.5	61.4
18263	18628	1970	1971	8.2	4.5	0.0	3.3	19.4	4.7	19.2	3.4	0.5	0.5	63.8
18628	18993	1971	1972	8.5	4.5	0.0	3.4	19.8	4.9	20.3	3.8	0.5	0.5	66.3
18993	19359	1972	1973	8.8	4.5	0.0	3.5	20.3	5.1	21.5	4.2	0.6	0.5	69.1
19359	19724	1973	1974	9.1	4.6	0.0	3.5	20.9	5.3	22.7	4.7	0.7	0.6	72.1
19724	20089	1974	1975	9.5	4.6	0.0	3.6	21.4	5.5	23.9	5.2	0.8	0.6	75.2
20089	20454	1975	1976	9.7	4.6	0.0	3.7	21.7	5.7	24.8	5.5	1.0	0.6	77.3
20454	20820	1976	1977	9.8	4.6	0.0	3.7	22.0	5.8	25.6	5.9	1.1	0.7	79.2
20820	21185	1977	1978	10.0	4.6	0.0	3.7	22.3	6.0	26.3	6.2	1.3	0.7	81.2
21185	21550	1978	1979	10.2	4.6	0.0	3.7	22.6	6.1	27.1	6.6	1.5	0.8	83.2
21550	21915	1979	1980	10.4	4.6	0.0	3.8	22.9	6.2	27.8	7.0	1.6	0.8	85.2
21915	22281	1980	1981	10.6	4.7	0.0	3.8	23.0	6.3	28.2	7.2	1.7	0.9	86.5
22281	22646	1981	1982	10.7	4.7	0.0	3.8	23.1	6.3	28.6	7.5	1.9	1.0	87.5
22646	23011	1982	1983	10.8	4.7	0.0	3.8	23.1	6.3	28.8	7.7	2.0	1.1	88.3
23011	23376	1983	1984	10.9	4.7	0.0	3.8	23.1	6.4	29.1	7.9	2.1	1.2	89.2
23376	23742	1984	1985	10.9	4.7	0.0	3.8	23.0	6.4	29.5	8.2	2.3	1.3	90.0
23742	24107	1985	1986	10.9	4.7	0.0	3.8	22.9	6.4	29.8	8.4	2.4	1.3	90.5
24107	24472	1986	1987	10.8	4.7	0.0	3.8	22.8	6.4	30.1	8.6	2.5	1.4	91.1
24472	24837	1987	1988	10.8	4.6	0.0	3.7	22.8	6.5	30.3	8.8	2.6	1.5	91.6
24837	25203	1988	1989	10.8	4.6	0.0	3.7	22.8	6.5	30.5	9.0	2.7	1.6	92.2
25203	25568	1989	1990	10.7	4.6	0.0	3.7	22.8	6.5	30.7	9.2	2.8	1.7	92.7
25568	25933	1990	1991	10.7	4.6	0.0	3.7	22.8	6.5	30.9	9.4	2.9	1.8	93.2
25933	26298	1991	1992	10.6	4.5	0.0	3.7	22.5	6.5	31.0	9.6	3.0	1.8	93.2
26298	26664	1992	1993	10.4	4.4	0.0	3.6	22.2	6.5	31.1	9.7	3.1	1.9	93.0
26664	27029	1993	1994	10.2	4.3	0.0	3.5	21.9	6.4	31.2	9.9	3.2	2.0	92.5
27029	27394	1994	1995	9.8	4.1	0.0	3.4	21.4	6.3	31.1	10.0	3.3	2.1	91.5
27394	27759	1995	1996	9.4	3.9	0.0	3.3	20.9	6.2	30.9	10.1	3.3	2.1	90.2
27759	28125	1996	1997	9.1	3.7	0.0	3.1	20.5	6.1	30.8	10.2	3.4	2.2	89.1
28125	28490	1997	1998	8.8	3.6	0.0	3.0	20.1	6.0	30.6	10.3	3.5	2.2	88.1
28490	28855	1998	1999	8.5	3.4	0.0	2.9	19.7	6.0	30.3	10.3	3.5	2.3	86.9
28855	29220	1999	2000	8.2	3.3	0.0	2.8	19.2	5.9	29.9	10.2	3.6	2.4	85.5
29220	29586	2000	2001	8.0	3.2	0.0	2.7	18.9	5.8	29.5	10.2	3.6	2.4	84.4
29586	29951	2001	2002	7.8	3.1	0.0	2.6	18.6	5.7	29.1	10.0	3.7	2.5	83.0
29951	30316	2002	2003	7.5	3.0	0.0	2.5	18.3	5.6	28.4	9.8	3.7	2.5	81.4
30316	30681	2003	2004	7.4	2.9	0.0	2.4	18.0	5.5	27.8	9.6	3.7	2.6	79.8
30681	31047	2004	2005	7.2	2.8	0.0	2.4	17.8	5.4	27.1	9.4	3.7	2.6	78.4
31047	31412	2005	2006	6.6	2.9	0.0	2.4	17.4	3.3	26.3	9.2	3.7	2.6	74.5
31412	31777	2006	2007	6.5	2.9	0.0	2.4	17.3	3.3	25.8	9.0	3.7	2.7	73.5
31777	32142	2007	2008	5.6	0.0	0.0	1.1	17.1	3.0	6.8	0.1	3.5	2.7	39.9
32142	32508	2008	2009	5.6	0.0	0.0	1.0	16.9	2.9	6.5	0.0	2.7	0.0	35.6
32508	32873	2009	2010	5.5	0.0	0.0	0.9	9.1	2.0	6.3	0.0	1.0	0.0	24.9
32873	33238	2010	2011	5.4	0.0	0.0	0.7	6.3	1.9	6.0	0.0	0.9	0.0	21.3
33238	33603	2011	2012	4.7	0.0	0.0	0.5	6.0	1.8	5.8	0.0	0.9	0.0	19.8
33603	33969	2012	2013	4.0	0.0	0.0	0.5	5.9	1.8	5.7	0.0	0.9	0.0	18.7
33969	34334	2013	2014	3.6	0.0	0.0	0.4	5.8	1.8	5.6	0.0	0.9	0.0	18.1
34334	34699	2014	2015	3.4	0.0	0.0	0.4	5.8	1.7	5.5	0.0	0.9	0.0	17.7
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

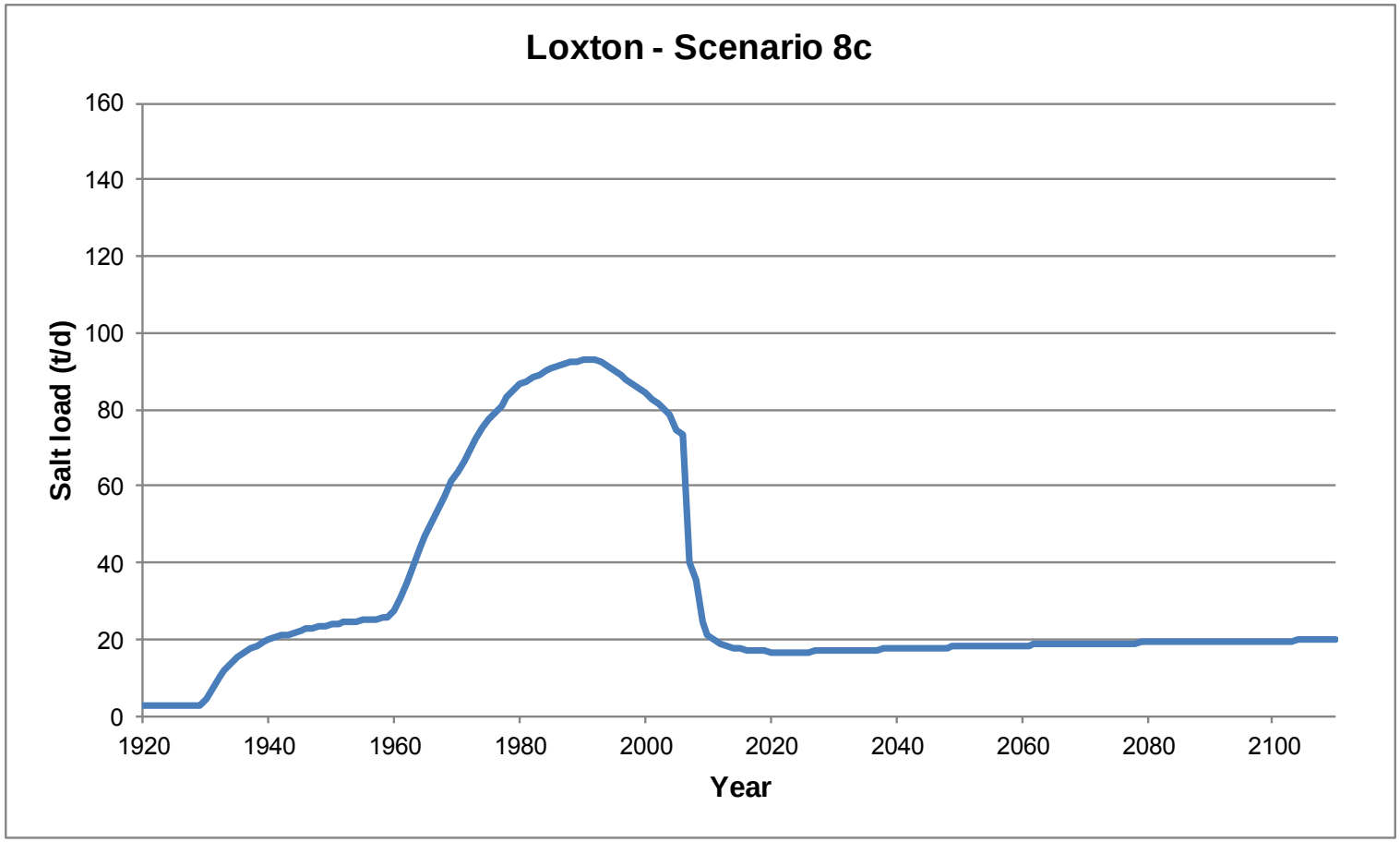
B-3b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
34699	35064	2015	2016	3.3	0.0	0.0	0.4	5.8	1.7	5.4	0.0	0.9	0.0	17.4
35064	35430	2016	2017	3.2	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	17.2
35430	35795	2017	2018	3.2	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	17.1
35795	36160	2018	2019	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.9
36160	36525	2019	2020	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.8
36525	36891	2020	2021	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.8
36891	37256	2021	2022	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.7
37256	37621	2022	2023	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.7
37621	37986	2023	2024	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.7
37986	38352	2024	2025	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.8
38352	38717	2025	2026	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.8
38717	39082	2026	2027	3.1	0.0	0.0	0.4	5.7	1.7	5.2	0.0	0.8	0.0	16.8
39082	39447	2027	2028	3.1	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.8
39447	39813	2028	2029	3.1	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.9
39813	40178	2029	2030	3.1	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	16.9
40178	40543	2030	2031	3.1	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	17.0
40543	40908	2031	2032	3.1	0.0	0.0	0.4	5.7	1.7	5.3	0.0	0.8	0.0	17.0
40908	41274	2032	2033	3.1	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.1
41274	41639	2033	2034	3.1	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.1
41639	42004	2034	2035	3.2	0.0	0.0	0.4	5.7	1.7	5.4	0.0	0.8	0.0	17.2
42004	42369	2035	2036	3.2	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.8	0.0	17.3
42369	42735	2036	2037	3.2	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.8	0.0	17.3
42735	43100	2037	2038	3.2	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.8	0.0	17.4
43100	43465	2038	2039	3.2	0.0	0.0	0.4	5.7	1.7	5.5	0.0	0.8	0.0	17.4
43465	43830	2039	2040	3.2	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.8	0.0	17.5
43830	44196	2040	2041	3.2	0.0	0.0	0.4	5.7	1.8	5.6	0.0	0.8	0.0	17.5
44196	44561	2041	2042	3.2	0.0	0.0	0.4	5.8	1.8	5.6	0.0	0.8	0.0	17.6
44561	44926	2042	2043	3.3	0.0	0.0	0.4	5.8	1.8	5.6	0.0	0.8	0.0	17.6
44926	45291	2043	2044	3.3	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.7
45291	45657	2044	2045	3.3	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.8
45657	46022	2045	2046	3.3	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.8
46022	46387	2046	2047	3.3	0.0	0.0	0.4	5.8	1.8	5.7	0.0	0.9	0.0	17.9
46387	46752	2047	2048	3.3	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	17.9
46752	47118	2048	2049	3.3	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	18.0
47118	47483	2049	2050	3.3	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	18.0
47483	47848	2050	2051	3.4	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	18.1
47848	48213	2051	2052	3.4	0.0	0.0	0.4	5.8	1.8	5.8	0.0	0.9	0.0	18.1
48213	48579	2052	2053	3.4	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.1
48579	48944	2053	2054	3.4	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.2
48944	49309	2054	2055	3.4	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.2
49309	49674	2055	2056	3.4	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.3
49674	50040	2056	2057	3.4	0.0	0.0	0.4	5.8	1.8	5.9	0.0	0.9	0.0	18.3
50040	50405	2057	2058	3.4	0.0	0.0	0.4	5.8	1.9	6.0	0.0	0.9	0.0	18.4
50405	50770	2058	2059	3.4	0.0	0.0	0.4	5.8	1.9	6.0	0.0	0.9	0.0	18.4
50770	51135	2059	2060	3.4	0.0	0.0	0.4	5.8	1.9	6.0	0.0	0.9	0.0	18.4
51135	51501	2060	2061	3.4	0.0	0.0	0.4	5.8	1.9	6.0	0.0	0.9	0.0	18.5
51501	51866	2061	2062	3.5	0.0	0.0	0.4	5.8	1.9	6.0	0.0	0.9	0.0	18.5
51866	52231	2062	2063	3.5	0.0	0.0	0.4	5.8	1.9	6.1	0.0	0.9	0.0	18.6
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Total Salt Load (t/d)
52231	52596	2063	2064	3.5	0.0	0.0	0.4	5.8	1.9	6.1	0.0	0.9	0.0	18.6
52596	52962	2064	2065	3.5	0.0	0.0	0.4	5.8	1.9	6.1	0.0	0.9	0.0	18.6
52962	53327	2065	2066	3.5	0.0	0.0	0.4	5.8	1.9	6.1	0.0	0.9	0.0	18.7
53327	53692	2066	2067	3.5	0.0	0.0	0.4	5.9	1.9	6.1	0.0	0.9	0.0	18.7
53692	54057	2067	2068	3.5	0.0	0.0	0.4	5.9	1.9	6.1	0.0	0.9	0.0	18.8
54057	54423	2068	2069	3.5	0.0	0.0	0.4	5.9	1.9	6.2	0.0	1.0	0.0	18.8
54423	54788	2069	2070	3.5	0.0	0.0	0.4	5.9	1.9	6.2	0.0	1.0	0.0	18.8
54788	55153	2070	2071	3.5	0.0	0.0	0.4	5.9	1.9	6.2	0.0	1.0	0.0	18.9
55153	55518	2071	2072	3.5	0.0	0.0	0.4	5.9	1.9	6.2	0.0	1.0	0.0	18.9
55518	55884	2072	2073	3.5	0.0	0.0	0.4	5.9	1.9	6.2	0.0	1.0	0.0	18.9
55884	56249	2073	2074	3.5	0.0	0.0	0.4	5.9	1.9	6.2	0.0	1.0	0.0	19.0
56249	56614	2074	2075	3.5	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.0
56614	56979	2075	2076	3.5	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.0
56979	57345	2076	2077	3.6	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.1
57345	57710	2077	2078	3.6	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.1
57710	58075	2078	2079	3.6	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.1
58075	58440	2079	2080	3.6	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.1
58440	58806	2080	2081	3.6	0.0	0.0	0.4	5.9	1.9	6.3	0.0	1.0	0.0	19.2
58806	59171	2081	2082	3.6	0.0	0.0	0.4	5.9	1.9	6.4	0.0	1.0	0.0	19.2
59171	59536	2082	2083	3.6	0.0	0.0	0.4	5.9	1.9	6.4	0.0	1.0	0.0	19.2
59536	59901	2083	2084	3.6	0.0	0.0	0.4	5.9	1.9	6.4	0.0	1.0	0.0	19.3
59901	60267	2084	2085	3.6	0.0	0.0	0.4	5.9	2.0	6.4	0.0	1.0	0.0	19.3
60267	60632	2085	2086	3.6	0.0	0.0	0.4	5.9	2.0	6.4	0.0	1.0	0.0	19.3
60632	60997	2086	2087	3.6	0.0	0.0	0.4	5.9	2.0	6.4	0.0	1.0	0.0	19.3
60997	61362	2087	2088	3.6	0.0	0.0	0.4	5.9	2.0	6.4	0.0	1.0	0.0	19.4
61362	61728	2088	2089	3.6	0.0	0.0	0.4	5.9	2.0	6.4	0.0	1.0	0.0	19.4
61728	62093	2089	2090	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.4
62093	62458	2090	2091	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.4
62458	62823	2091	2092	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.5
62823	63189	2092	2093	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.5
63189	63554	2093	2094	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.5
63554	63919	2094	2095	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.5
63919	64284	2095	2096	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.5
64284	64650	2096	2097	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.6
64650	65015	2097	2098	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.6
65015	65380	2098	2099	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.6
65380	65745	2099	2100	3.6	0.0	0.0	0.4	5.9	2.0	6.5	0.0	1.0	0.0	19.6
65745	66110	2100	2101	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.0	1.0	0.0	19.6
66110	66475	2101	2102	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.0	1.0	0.0	19.7
66475	66840	2102	2103	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.0	1.0	0.0	19.7
66840	67205	2103	2104	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.0	1.0	0.0	19.7
67205	67571	2104	2105	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.0	1.1	0.0	19.7
67571	67936	2105	2106	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.1	1.1	0.0	19.7
67936	68301	2106	2107	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.1	1.1	0.0	19.7
68301	68666	2107	2108	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.1	1.1	0.0	19.8
68666	69032	2108	2109	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.1	1.1	0.0	19.8
69032	69397	2109	2110	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.1	1.1	0.0	19.8
69397	69762	2110	2111	3.7	0.0	0.0	0.4	5.9	2.0	6.6	0.1	1.1	0.0	19.8
Salinity (mg/L)				*25000*	*29000*	*44000*	*39000*	*23000*	*7000*	*23000*	*24000*	*19400*	*23000*	

B-3b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Loxton (Scenario 8c) (Part4/4)



B-3b (S8c). Graph of modelled salt load (t/d) entering the River Murray in Loxton (Scenario 8c)

B-4 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN BOOKPURNONG

- 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

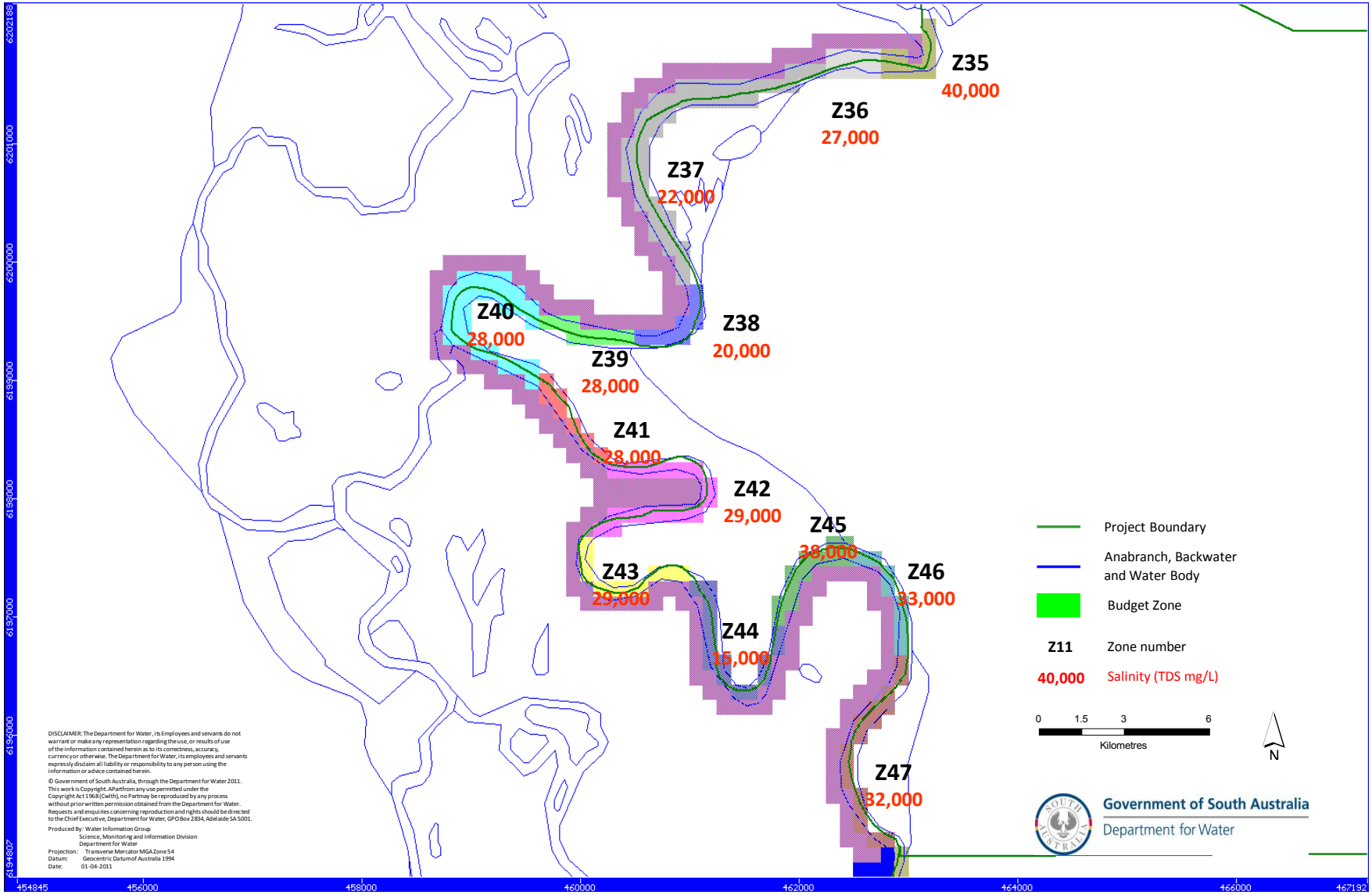
Scenario	Name	Years simulated	Irrigation development area	IIP[1] & RH[2]	SIS[3]
Calibrated model	Historical irrigation, RH, IIP & SIS	1920-2010	Irrigation history	Yes	Yes
Scenario-1	Natural System (Steady State since 1920)	Steady-state	None	-	-
Scenario-2	Mallee Clearance	1920-2110	None	-	-
Scenario-3a	Irrigation Pre-1988, no IIP, no RH	1988-2110	Pre-1988	No	No
Scenario-3c	Irrigation Pre-1988, with IIP & RH	1988-2110	Pre-1988	Yes	No
Scenario-4	Current irrigation (business as usual)	1988-2110	Pre-1988 + Post-1988	Yes	No
Scenario-5	Current plus future irrigation	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	No
Scenario-8a	Current irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988	Yes	Yes
Scenario-8b	Pre-1988, with IIP & RH plus constructed SIS	1988-2110	Pre-1988	Yes	Yes
Scenario-8c	Current plus future irrigation plus constructed SIS	1988-2110	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP[1] Improved Irrigation Practices
See Glossary for definition

RH[2] Rehabilitation

SIS[3] Salt Interception Scheme

B-4. Model scenario conditions



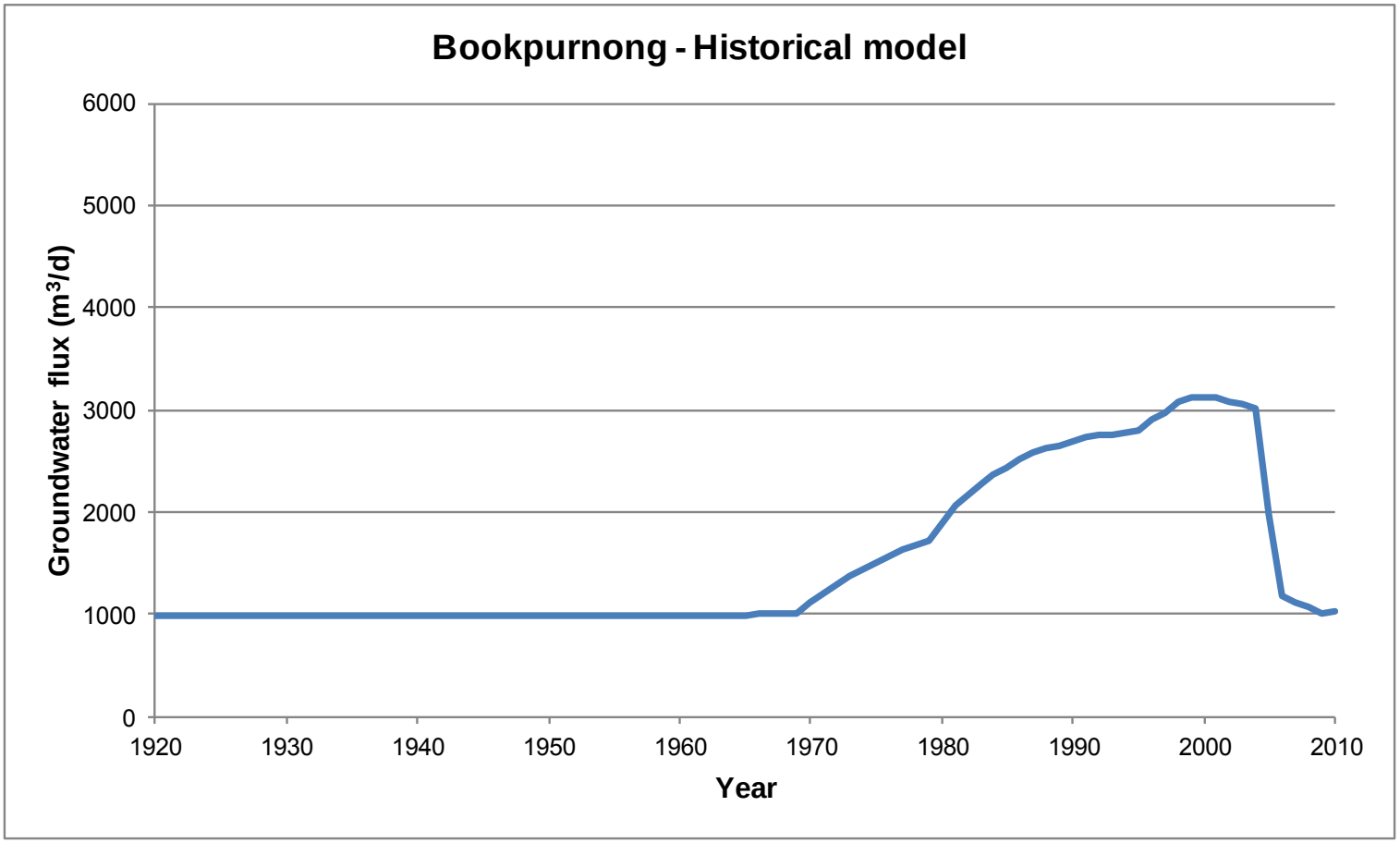
B-4. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Bookpurnong area

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/d)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994

B-4a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Historical model) (Part1/2)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/d)
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	70	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1038	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	171	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	467	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3133
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	333	241	243	3114
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	333	246	253	3083
30316	30681	2003	2004	283	90	404	1072	55	111	0	183	0	0	335	251	261	3047
30681	31047	2004	2005	279	87	383	1059	55	111	0	183	0	0	337	256	268	3019
31047	31412	2005	2006	273	84	361	1005	28	111	0	2	0	0	9	0	96	1969
31412	31777	2006	2007	232	2	5	756	15	111	0	0	0	0	0	0	52	1173
31777	32142	2007	2008	212	0	1	722	24	111	0	0	0	0	0	0	50	1121
32142	32508	2008	2009	197	0	0	687	23	111	0	0	0	0	0	0	53	1072
32508	32873	2009	2010	185	0	0	658	13	111	0	0	0	0	0	0	50	1018
32873	33238	2010	2011	167	0	0	689	13	111	0	0	0	0	0	0	54	1034

B-4a (Historical model). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Historical model) (Part2/2)



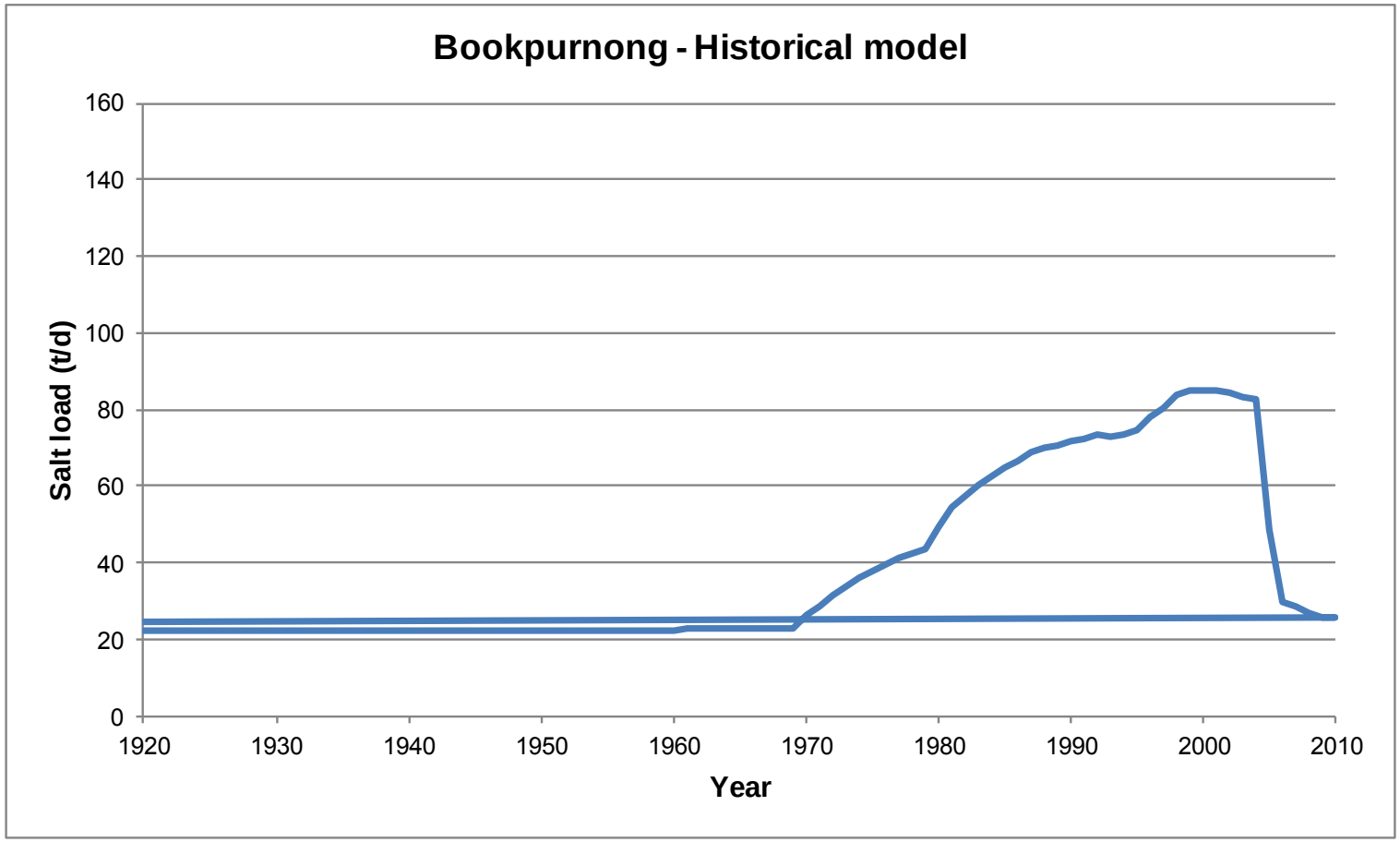
B-4a (Historical model). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong (Historical model)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/d)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Historical model) (Part1/2)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/d)
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.1	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.4	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.8
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.7	8.1	8.1	84.2
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.7	8.3	8.4	83.5
30681	31047	2004	2005	11.2	2.4	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.8	8.5	8.6	82.9
31047	31412	2005	2006	10.9	2.3	7.9	20.1	0.8	3.1	0.0	0.1	0.0	0.0	0.3	0.0	3.1	48.6
31412	31777	2006	2007	9.3	0.1	0.1	15.1	0.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	29.8
31777	32142	2007	2008	8.5	0.0	0.0	14.4	0.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	28.3
32142	32508	2008	2009	7.9	0.0	0.0	13.7	0.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	27.1
32508	32873	2009	2010	7.4	0.0	0.0	13.2	0.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	25.6
32873	33238	2010	2011	6.7	0.0	0.0	13.8	0.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	25.7
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (Historical model). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Historical model) (Part2/2)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/d)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	725	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	725	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	725	31	109	0	0	0	0	28	31	54	977
4749	5114	1933	1934	0	0	0	725	31	109	0	0	0	0	28	31	54	977
5114	5479	1934	1935	0	0	0	725	31	109	0	0	0	0	28	31	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	31	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	31	54	978
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	31	54	978
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	31	54	978
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	31	54	978
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	31	54	978
7671	8036	1941	1942	0	0	0	726	32	109	0	0	0	0	28	31	54	979
8036	8401	1942	1943	0	0	0	726	32	109	0	0	0	0	28	31	54	979
8401	8766	1943	1944	0	0	0	726	32	109	0	0	0	0	28	31	54	979
8766	9132	1944	1945	0	0	0	726	32	109	0	0	0	0	28	31	54	979
9132	9497	1945	1946	0	0	0	726	32	109	0	0	0	0	28	31	54	979
9497	9862	1946	1947	0	0	0	726	32	109	0	0	0	0	28	31	54	979
9862	10227	1947	1948	0	0	0	726	32	109	0	0	0	0	28	31	54	979
10227	10593	1948	1949	0	0	0	726	32	109	0	0	0	0	28	31	54	979
10593	10958	1949	1950	0	0	0	726	32	109	0	0	0	0	28	31	54	979
10958	11323	1950	1951	0	0	0	727	32	109	0	0	0	0	28	31	54	980
11323	11688	1951	1952	0	0	0	727	32	109	0	0	0	0	28	31	54	980
11688	12054	1952	1953	0	0	0	727	32	109	0	0	0	0	28	31	54	980
12054	12419	1953	1954	0	0	0	727	32	109	0	0	0	0	28	31	54	980
12419	12784	1954	1955	0	0	0	727	32	109	0	0	0	0	28	31	54	980
12784	13149	1955	1956	0	0	0	727	32	109	0	0	0	0	28	31	54	980
13149	13515	1956	1957	0	0	0	727	32	109	0	0	0	0	28	31	54	980
13515	13880	1957	1958	0	0	0	727	32	109	0	0	0	0	28	31	54	980
13880	14245	1958	1959	0	0	0	727	32	109	0	0	0	0	28	31	54	980
14245	14610	1959	1960	0	0	0	727	32	109	0	0	0	0	28	31	54	980
14610	14976	1960	1961	0	0	0	727	32	109	0	0	0	0	28	31	54	981
14976	15341	1961	1962	0	0	0	727	32	109	0	0	0	0	28	31	54	981
15341	15706	1962	1963	0	0	0	727	32	109	0	0	0	0	28	31	54	981
15706	16071	1963	1964	0	0	0	727	32	109	0	0	0	0	28	31	54	981
16071	16437	1964	1965	0	0	0	727	32	109	0	0	0	0	28	31	54	981
16437	16802	1965	1966	0	0	0	727	32	109	0	0	0	0	28	31	54	981
16802	17167	1966	1967	0	0	0	727	32	109	0	0	0	0	28	31	54	981

B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/d)
17167	17532	1967	1968	0	0	0	727	32	109	0	0	0	0	28	32	54	981
17532	17898	1968	1969	0	0	0	727	32	109	0	0	0	0	28	32	54	981
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	28	32	54	981
18263	18628	1970	1971	0	0	0	727	32	109	0	0	0	0	28	32	54	981
18628	18993	1971	1972	0	0	0	727	32	109	0	0	0	0	28	32	54	981
18993	19359	1972	1973	0	0	0	727	32	109	0	0	0	0	28	32	54	982
19359	19724	1973	1974	0	0	0	727	32	109	0	0	0	0	28	32	54	982
19724	20089	1974	1975	0	0	0	727	32	109	0	0	0	0	28	32	55	982
20089	20454	1975	1976	0	0	0	727	32	109	0	0	0	0	28	32	55	982
20454	20820	1976	1977	0	0	0	727	32	109	0	0	0	0	28	32	55	982
20820	21185	1977	1978	0	0	0	727	32	109	0	0	0	0	28	32	55	982
21185	21550	1978	1979	0	0	0	727	32	109	0	0	0	0	28	32	55	982
21550	21915	1979	1980	0	0	0	727	32	109	0	0	0	0	28	32	55	982
21915	22281	1980	1981	0	0	0	728	32	109	0	0	0	0	28	32	55	982
22281	22646	1981	1982	0	0	0	728	32	109	0	0	0	0	28	32	55	982
22646	23011	1982	1983	0	0	0	728	32	109	0	0	0	0	28	32	55	982
23011	23376	1983	1984	0	0	0	728	32	109	0	0	0	0	28	32	55	982
23376	23742	1984	1985	0	0	0	728	32	109	0	0	0	0	28	32	55	982
23742	24107	1985	1986	0	0	0	728	32	109	0	0	0	0	28	32	55	982
24107	24472	1986	1987	0	0	0	728	32	109	0	0	0	0	28	32	55	983
24472	24837	1987	1988	0	0	0	728	32	109	0	0	0	0	28	32	55	983
24837	25203	1988	1989	0	0	0	728	32	109	0	0	0	0	28	32	55	983
25203	25568	1989	1990	0	0	0	728	32	109	0	0	0	0	28	32	55	983
25568	25933	1990	1991	0	0	0	728	32	109	0	0	0	0	28	32	55	983
25933	26298	1991	1992	0	0	0	728	32	109	0	0	0	0	28	32	55	983
26298	26664	1992	1993	0	0	0	728	32	109	0	0	0	0	28	32	55	983
26664	27029	1993	1994	0	0	0	728	32	109	0	0	0	0	28	32	55	984
27029	27394	1994	1995	0	0	0	728	32	109	0	0	0	0	28	32	55	984
27394	27759	1995	1996	0	0	0	728	32	109	0	0	0	0	28	32	55	984
27759	28125	1996	1997	0	0	0	728	32	109	0	0	0	0	28	32	55	984
28125	28490	1997	1998	0	0	0	728	32	109	0	0	0	0	28	32	55	984
28490	28855	1998	1999	0	0	0	728	32	109	0	0	0	0	28	32	55	984
28855	29220	1999	2000	0	0	0	728	32	109	0	0	0	0	28	32	55	984
29220	29586	2000	2001	0	0	0	728	32	109	0	0	0	0	28	32	56	985
29586	29951	2001	2002	0	0	0	728	32	109	0	0	0	0	28	32	56	985
29951	30316	2002	2003	0	0	0	728	32	109	0	0	0	0	28	33	56	985
30316	30681	2003	2004	0	0	0	728	32	109	0	0	0	0	28	33	56	985
30681	31047	2004	2005	0	0	0	728	32	109	0	0	0	0	28	33	56	985
31047	31412	2005	2006	0	0	0	728	32	109	0	0	0	0	28	33	56	986
31412	31777	2006	2007	0	0	0	728	32	109	0	0	0	0	28	33	56	986
31777	32142	2007	2008	0	0	0	728	32	109	0	0	0	0	28	33	56	986
32142	32508	2008	2009	0	0	0	728	32	109	0	0	0	0	29	33	56	986
32508	32873	2009	2010	0	0	0	728	32	109	0	0	0	0	29	33	56	986
32873	33238	2010	2011	0	0	0	728	32	109	0	0	0	0	29	33	56	987
33238	33603	2011	2012	0	0	0	728	32	109	0	0	0	0	29	33	56	987
33603	33969	2012	2013	0	0	0	729	32	109	0	0	0	0	29	33	57	988
33969	34334	2013	2014	0	0	0	729	32	109	0	0	0	0	29	33	57	988
34334	34699	2014	2015	0	0	0	729	32	109	0	0	0	0	29	33	57	988

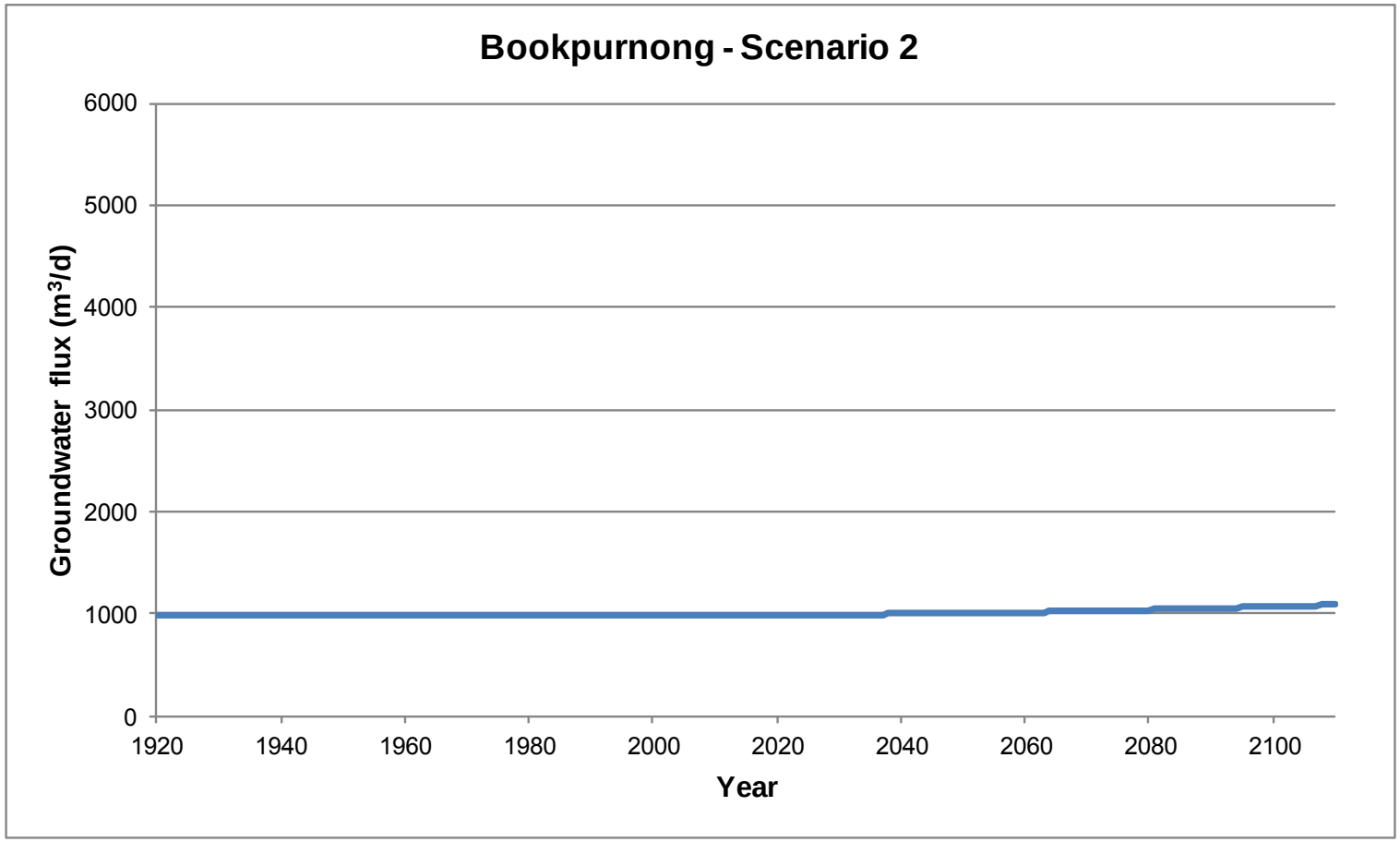
B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/d)
34699	35064	2015	2016	0	0	0	729	32	109	0	0	0	0	29	33	57	988
35064	35430	2016	2017	0	0	0	729	32	109	0	0	0	0	29	33	57	988
35430	35795	2017	2018	0	0	0	729	32	109	0	0	0	0	29	33	57	989
35795	36160	2018	2019	0	0	0	729	32	109	0	0	0	0	29	33	57	989
36160	36525	2019	2020	0	0	0	729	32	109	0	0	0	0	29	34	57	989
36525	36891	2020	2021	0	0	0	729	32	109	0	0	0	0	29	34	57	990
36891	37256	2021	2022	0	0	0	729	32	109	0	0	0	0	29	34	57	990
37256	37621	2022	2023	0	0	0	729	32	109	0	0	0	0	29	34	58	991
37621	37986	2023	2024	0	0	0	729	32	109	0	0	0	0	29	34	58	991
37986	38352	2024	2025	0	0	0	730	32	109	0	0	0	0	29	34	58	992
38352	38717	2025	2026	0	0	0	730	32	109	0	0	0	0	29	34	58	992
38717	39082	2026	2027	0	0	0	730	32	109	0	0	0	0	29	34	58	992
39082	39447	2027	2028	0	0	0	730	32	109	0	0	0	0	29	34	58	992
39447	39813	2028	2029	0	0	0	730	32	109	0	0	0	0	29	34	58	993
39813	40178	2029	2030	0	0	0	730	32	109	0	0	0	0	30	34	58	993
40178	40543	2030	2031	0	0	0	730	32	109	0	0	0	0	30	35	59	994
40543	40908	2031	2032	0	0	0	730	32	109	0	0	0	0	30	35	59	995
40908	41274	2032	2033	0	0	0	731	32	109	0	0	0	0	30	35	59	995
41274	41639	2033	2034	0	0	0	731	32	109	0	0	0	0	30	35	59	996
41639	42004	2034	2035	0	0	0	731	32	109	0	0	0	0	30	35	59	996
42004	42369	2035	2036	0	0	0	731	32	109	0	0	0	0	30	35	59	997
42369	42735	2036	2037	0	0	0	731	32	109	0	0	0	0	30	35	60	997
42735	43100	2037	2038	0	0	0	731	32	109	0	0	0	0	30	36	60	998
43100	43465	2038	2039	0	0	0	731	32	109	0	0	0	0	30	36	60	998
43465	43830	2039	2040	0	0	0	731	32	109	0	0	0	0	30	36	60	998
43830	44196	2040	2041	0	0	0	732	32	109	0	0	0	0	30	36	60	999
44196	44561	2041	2042	0	0	0	732	32	109	0	0	0	0	30	36	61	1000
44561	44926	2042	2043	0	0	0	732	32	109	0	0	0	0	31	36	61	1001
44926	45291	2043	2044	0	0	0	732	32	109	0	0	0	0	31	37	61	1002
45291	45657	2044	2045	0	0	0	732	32	109	0	0	0	0	31	37	61	1002
45657	46022	2045	2046	0	0	0	732	32	109	0	0	0	0	31	37	62	1003
46022	46387	2046	2047	0	0	0	732	32	109	0	0	0	0	31	37	62	1004
46387	46752	2047	2048	0	0	0	733	32	109	0	0	0	0	31	37	62	1004
46752	47118	2048	2049	0	0	0	733	32	109	0	0	0	0	31	37	62	1005
47118	47483	2049	2050	0	0	0	733	32	109	0	0	0	0	31	37	63	1005
47483	47848	2050	2051	0	0	0	733	32	109	0	0	0	0	31	38	63	1007
47848	48213	2051	2052	0	0	0	733	32	109	0	0	0	0	31	38	63	1008
48213	48579	2052	2053	0	0	0	734	32	109	0	0	0	0	32	38	64	1009
48579	48944	2053	2054	0	0	0	734	32	109	0	0	0	0	32	39	64	1010
48944	49309	2054	2055	0	0	0	734	32	109	0	0	0	0	32	39	64	1010
49309	49674	2055	2056	0	0	0	734	32	109	0	0	0	0	32	39	65	1011
49674	50040	2056	2057	0	0	0	734	32	109	0	0	0	0	32	39	65	1012
50040	50405	2057	2058	0	0	0	734	32	109	0	0	0	0	32	39	65	1013
50405	50770	2058	2059	0	0	0	734	32	109	0	0	0	0	32	40	66	1014
50770	51135	2059	2060	0	0	0	734	32	109	0	0	0	0	32	40	66	1014
51135	51501	2060	2061	0	0	0	735	32	109	0	0	0	0	32	40	67	1016
51501	51866	2061	2062	0	0	0	735	32	110	0	0	0	0	33	40	67	1017
51866	52231	2062	2063	0	0	0	735	32	110	0	0	0	0	33	41	67	1018

B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/d)
52231	52596	2063	2064	0	0	0	735	32	110	0	0	0	0	33	41	68	1019
52596	52962	2064	2065	0	0	0	736	32	110	0	0	0	0	33	41	68	1020
52962	53327	2065	2066	0	0	0	736	32	110	0	0	0	0	33	42	69	1021
53327	53692	2066	2067	0	0	0	736	32	110	0	0	0	0	33	42	69	1022
53692	54057	2067	2068	0	0	0	736	32	110	0	0	0	0	33	42	70	1023
54057	54423	2068	2069	0	0	0	736	32	110	0	0	0	0	33	43	70	1024
54423	54788	2069	2070	0	0	0	736	32	110	0	0	0	0	34	43	71	1025
54788	55153	2070	2071	0	0	0	736	32	110	0	0	0	0	34	43	71	1027
55153	55518	2071	2072	0	0	0	737	32	110	0	0	0	0	34	44	72	1028
55518	55884	2072	2073	0	0	0	737	33	110	0	0	0	0	34	44	72	1030
55884	56249	2073	2074	0	0	0	737	33	110	0	0	0	0	34	44	73	1031
56249	56614	2074	2075	0	0	0	737	33	110	0	0	0	0	34	45	74	1032
56614	56979	2075	2076	0	0	0	737	33	110	0	0	0	0	35	45	74	1034
56979	57345	2076	2077	0	0	0	738	33	110	0	0	0	0	35	45	75	1035
57345	57710	2077	2078	0	0	0	738	33	110	0	0	0	0	35	46	75	1036
57710	58075	2078	2079	0	0	0	738	33	110	0	0	0	0	35	46	76	1037
58075	58440	2079	2080	0	0	0	738	33	110	0	0	0	0	35	47	76	1038
58440	58806	2080	2081	0	0	0	738	33	110	0	0	0	0	35	47	77	1040
58806	59171	2081	2082	0	0	0	738	33	110	0	0	0	0	35	47	78	1042
59171	59536	2082	2083	0	0	0	739	33	110	0	0	0	0	36	48	78	1043
59536	59901	2083	2084	0	0	0	739	33	110	0	0	0	0	36	48	79	1045
59901	60267	2084	2085	0	0	0	739	33	110	0	0	0	0	36	49	80	1046
60267	60632	2085	2086	0	0	0	739	33	110	0	0	0	0	36	49	81	1048
60632	60997	2086	2087	0	0	0	739	33	110	0	0	0	0	36	50	81	1049
60997	61362	2087	2088	0	0	0	739	33	110	0	0	0	0	36	50	82	1051
61362	61728	2088	2089	0	0	0	740	33	110	0	0	0	0	37	50	82	1052
61728	62093	2089	2090	0	0	0	740	33	110	0	0	0	0	37	51	83	1053
62093	62458	2090	2091	0	0	0	740	33	110	0	0	0	0	37	51	84	1055
62458	62823	2091	2092	0	0	0	740	33	110	0	0	0	0	37	52	85	1057
62823	63189	2092	2093	0	0	0	740	33	110	0	0	0	0	37	52	85	1058
63189	63554	2093	2094	0	0	0	741	33	110	0	0	0	0	38	53	86	1060
63554	63919	2094	2095	0	0	0	741	33	110	0	0	0	0	38	53	87	1062
63919	64284	2095	2096	0	0	0	741	33	110	0	0	0	0	38	54	87	1063
64284	64650	2096	2097	0	0	0	741	33	110	0	0	0	0	38	54	88	1065
64650	65015	2097	2098	0	0	0	741	33	110	0	0	0	0	38	55	89	1066
65015	65380	2098	2099	0	0	0	741	33	110	0	0	0	0	38	55	90	1068
65380	65745	2099	2100	0	0	0	742	33	110	0	0	0	0	38	56	90	1069
65745	66110	2100	2101	0	0	0	742	33	110	0	0	0	0	39	56	91	1071
66110	66475	2101	2102	0	0	0	742	33	110	0	0	0	0	39	57	92	1073
66475	66840	2102	2103	0	0	0	742	33	110	0	0	0	0	39	57	93	1074
66840	67205	2103	2104	0	0	0	742	33	110	0	0	0	0	39	58	93	1076
67205	67571	2104	2105	0	0	0	743	33	110	0	0	0	0	39	58	94	1078
67571	67936	2105	2106	0	0	0	743	33	110	0	0	0	0	40	59	95	1080
67936	68301	2106	2107	0	0	0	743	33	110	0	0	0	0	40	59	96	1081
68301	68666	2107	2108	0	0	0	743	33	111	0	0	0	0	40	60	96	1083
68666	69032	2108	2109	0	0	0	743	33	111	0	0	0	0	40	60	97	1084
69032	69397	2109	2110	0	0	0	743	33	111	0	0	0	0	40	61	98	1086
69397	69762	2110	2111	0	0	0	743	33	111	0	0	0	0	40	61	99	1088

B-4a (S2). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/d)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/d)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
18263	18628	1970	1971	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
18628	18993	1971	1972	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
18993	19359	1972	1973	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
19359	19724	1973	1974	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
19724	20089	1974	1975	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
20089	20454	1975	1976	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
20454	20820	1976	1977	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
20820	21185	1977	1978	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
21185	21550	1978	1979	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
21550	21915	1979	1980	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
21915	22281	1980	1981	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
22281	22646	1981	1982	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
22646	23011	1982	1983	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
23011	23376	1983	1984	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
23376	23742	1984	1985	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
23742	24107	1985	1986	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
24107	24472	1986	1987	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
24472	24837	1987	1988	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.8	22.3
24837	25203	1988	1989	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
25203	25568	1989	1990	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
25568	25933	1990	1991	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
25933	26298	1991	1992	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
26298	26664	1992	1993	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
26664	27029	1993	1994	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
27029	27394	1994	1995	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
27394	27759	1995	1996	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
27759	28125	1996	1997	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
28125	28490	1997	1998	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
28490	28855	1998	1999	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
28855	29220	1999	2000	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
29220	29586	2000	2001	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
29586	29951	2001	2002	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
29951	30316	2002	2003	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
30316	30681	2003	2004	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
30681	31047	2004	2005	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
31047	31412	2005	2006	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
31412	31777	2006	2007	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
31777	32142	2007	2008	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
32142	32508	2008	2009	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
32508	32873	2009	2010	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
32873	33238	2010	2011	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
33238	33603	2011	2012	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
33603	33969	2012	2013	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
33969	34334	2013	2014	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
34334	34699	2014	2015	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

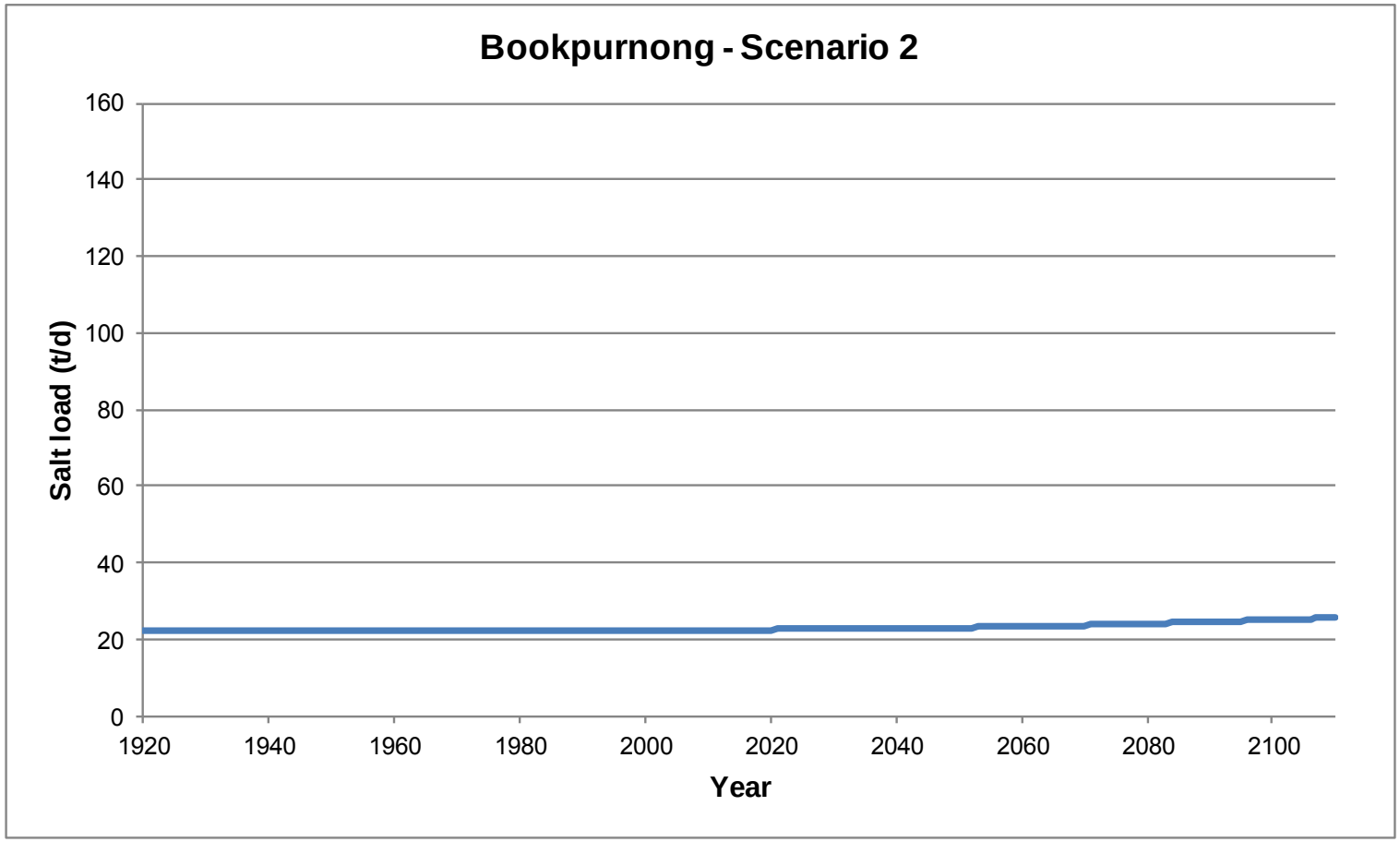
B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/d)
34699	35064	2015	2016	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
35064	35430	2016	2017	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
35430	35795	2017	2018	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
35795	36160	2018	2019	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
36160	36525	2019	2020	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.5
36525	36891	2020	2021	0.0	0.0	0.0	14.6	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.6
36891	37256	2021	2022	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.6
37256	37621	2022	2023	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.6
37621	37986	2023	2024	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.6
37986	38352	2024	2025	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.6
38352	38717	2025	2026	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
38717	39082	2026	2027	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
39082	39447	2027	2028	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
39447	39813	2028	2029	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.7
39813	40178	2029	2030	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.7
40178	40543	2030	2031	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.7
40543	40908	2031	2032	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.7
40908	41274	2032	2033	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.7
41274	41639	2033	2034	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.7
41639	42004	2034	2035	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.8
42004	42369	2035	2036	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.8
42369	42735	2036	2037	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.8
42735	43100	2037	2038	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.8
43100	43465	2038	2039	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.8
43465	43830	2039	2040	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	1.9	22.8
43830	44196	2040	2041	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	1.9	22.9
44196	44561	2041	2042	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	1.9	22.9
44561	44926	2042	2043	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	1.9	22.9
44926	45291	2043	2044	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	22.9
45291	45657	2044	2045	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	22.9
45657	46022	2045	2046	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	23.0
46022	46387	2046	2047	0.0	0.0	0.0	14.6	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	23.0
46387	46752	2047	2048	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	23.0
46752	47118	2048	2049	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	23.0
47118	47483	2049	2050	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	23.0
47483	47848	2050	2051	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.2	2.0	23.1
47848	48213	2051	2052	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.0	23.1
48213	48579	2052	2053	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.0	23.1
48579	48944	2053	2054	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.2
48944	49309	2054	2055	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.2
49309	49674	2055	2056	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.2
49674	50040	2056	2057	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.2
50040	50405	2057	2058	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.3
50405	50770	2058	2059	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.3
50770	51135	2059	2060	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.3
51135	51501	2060	2061	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.3
51501	51866	2061	2062	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.1	23.4
51866	52231	2062	2063	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.3	2.2	23.4
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/d)
52231	52596	2063	2064	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.2	1.4	2.2	23.5
52596	52962	2064	2065	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.2	23.5
52962	53327	2065	2066	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.2	23.5
53327	53692	2066	2067	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.2	23.6
53692	54057	2067	2068	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.2	23.6
54057	54423	2068	2069	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.2	23.6
54423	54788	2069	2070	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.3	23.6
54788	55153	2070	2071	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.3	23.7
55153	55518	2071	2072	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.4	2.3	23.7
55518	55884	2072	2073	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.3	23.8
55884	56249	2073	2074	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.3	23.8
56249	56614	2074	2075	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.4	23.9
56614	56979	2075	2076	0.0	0.0	0.0	14.7	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.4	23.9
56979	57345	2076	2077	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.4	23.9
57345	57710	2077	2078	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.4	24.0
57710	58075	2078	2079	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.4	24.0
58075	58440	2079	2080	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.4	24.1
58440	58806	2080	2081	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.5	2.5	24.1
58806	59171	2081	2082	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.3	1.6	2.5	24.2
59171	59536	2082	2083	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.6	2.5	24.2
59536	59901	2083	2084	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.6	2.5	24.3
59901	60267	2084	2085	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.6	2.6	24.3
60267	60632	2085	2086	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.6	2.6	24.4
60632	60997	2086	2087	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.6	2.6	24.4
60997	61362	2087	2088	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.6	24.4
61362	61728	2088	2089	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.6	24.5
61728	62093	2089	2090	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.7	24.5
62093	62458	2090	2091	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.7	24.6
62458	62823	2091	2092	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.7	24.6
62823	63189	2092	2093	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.7	24.7
63189	63554	2093	2094	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.7	2.8	24.7
63554	63919	2094	2095	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.8	2.8	24.8
63919	64284	2095	2096	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.8	2.8	24.8
64284	64650	2096	2097	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.4	1.8	2.8	24.9
64650	65015	2097	2098	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.8	2.8	24.9
65015	65380	2098	2099	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.8	2.9	25.0
65380	65745	2099	2100	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.8	2.9	25.0
65745	66110	2100	2101	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.9	2.9	25.1
66110	66475	2101	2102	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.9	2.9	25.1
66475	66840	2102	2103	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.9	3.0	25.2
66840	67205	2103	2104	0.0	0.0	0.0	14.8	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.9	3.0	25.3
67205	67571	2104	2105	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.9	3.0	25.3
67571	67936	2105	2106	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	1.9	3.0	25.4
67936	68301	2106	2107	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	2.0	3.1	25.4
68301	68666	2107	2108	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	2.0	3.1	25.5
68666	69032	2108	2109	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	2.0	3.1	25.5
69032	69397	2109	2110	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	2.0	3.1	25.6
69397	69762	2110	2111	0.0	0.0	0.0	14.9	0.9	3.1	0.0	0.0	0.0	0.0	1.5	2.0	3.2	25.6
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S2). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 2) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	70	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1038	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	285	80	364	1087	61	111	0	149	0	0	223	156	160	2676
25568	25933	1990	1991	295	85	398	1092	61	111	0	151	0	0	226	160	164	2745
25933	26298	1991	1992	310	92	436	1102	61	111	0	154	0	0	229	163	168	2827
26298	26664	1992	1993	323	97	461	1109	61	111	0	157	0	0	233	167	172	2891
26664	27029	1993	1994	333	101	481	1118	62	111	0	160	0	0	237	171	176	2949
27029	27394	1994	1995	342	104	495	1136	62	111	0	164	0	0	241	174	179	3010
27394	27759	1995	1996	350	106	507	1144	63	111	0	169	0	0	245	178	183	3056
27759	28125	1996	1997	357	108	516	1149	63	111	0	177	0	0	295	203	186	3167
28125	28490	1997	1998	363	110	525	1154	64	111	0	189	0	0	333	226	190	3264
28490	28855	1998	1999	398	117	569	1160	64	111	0	198	0	0	354	242	202	3413
28855	29220	1999	2000	415	121	585	1165	64	111	0	204	0	0	368	255	222	3509
29220	29586	2000	2001	425	124	597	1170	65	111	0	209	0	0	377	265	240	3583
29586	29951	2001	2002	433	126	607	1174	65	111	0	212	0	0	384	274	256	3642
29951	30316	2002	2003	440	128	614	1177	65	111	0	215	0	0	390	282	268	3690
30316	30681	2003	2004	446	129	621	1179	65	112	0	217	0	0	395	288	279	3731
30681	31047	2004	2005	451	130	626	1182	66	112	0	219	0	0	398	294	289	3767
31047	31412	2005	2006	456	131	631	1183	66	112	0	221	0	0	401	299	297	3796
31412	31777	2006	2007	460	132	635	1185	66	112	0	222	0	0	404	304	304	3823
31777	32142	2007	2008	463	133	638	1186	66	112	0	223	0	0	406	308	311	3846
32142	32508	2008	2009	467	134	641	1187	66	112	0	224	0	0	408	311	317	3866
32508	32873	2009	2010	470	135	644	1188	66	112	0	225	0	0	410	314	322	3885
32873	33238	2010	2011	472	135	647	1189	66	112	0	225	0	0	411	317	327	3901
33238	33603	2011	2012	475	136	649	1189	66	112	0	226	0	0	412	320	331	3916
33603	33969	2012	2013	477	136	651	1190	66	112	0	226	0	0	414	322	336	3931
33969	34334	2013	2014	480	137	653	1191	66	112	0	227	0	0	415	325	340	3944
34334	34699	2014	2015	482	137	655	1191	66	112	0	227	0	0	416	327	343	3956

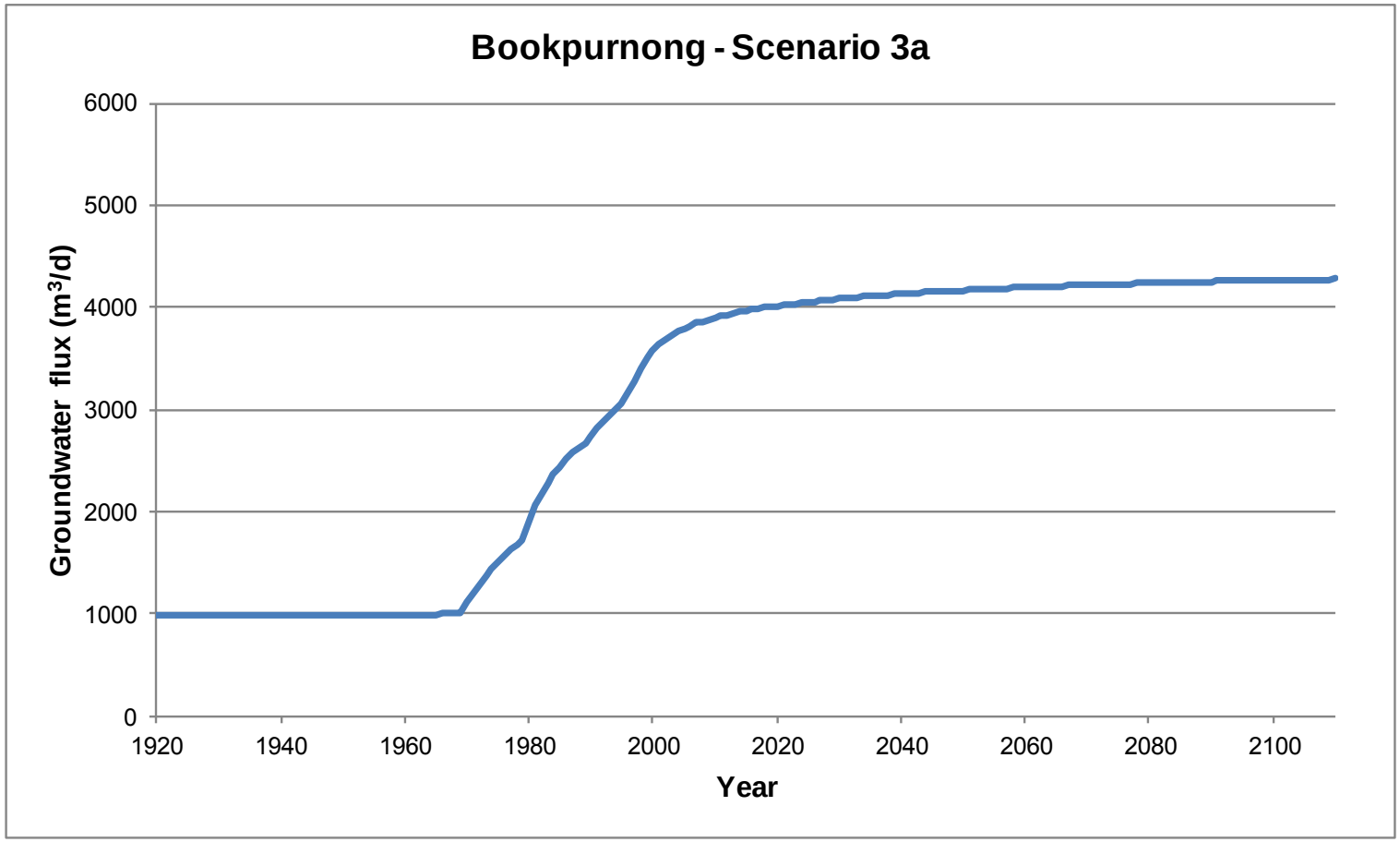
B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	484	137	656	1192	66	112	0	228	0	0	417	329	347	3967
35064	35430	2016	2017	486	138	658	1192	66	112	0	228	0	0	417	330	350	3978
35430	35795	2017	2018	487	138	659	1193	66	112	0	229	0	0	418	332	353	3988
35795	36160	2018	2019	489	139	660	1193	66	112	0	229	0	0	419	334	356	3997
36160	36525	2019	2020	491	139	662	1194	66	112	0	229	0	0	420	335	359	4007
36525	36891	2020	2021	492	139	663	1194	66	112	0	230	0	0	420	337	362	4015
36891	37256	2021	2022	494	139	664	1194	67	112	0	230	0	0	421	338	365	4023
37256	37621	2022	2023	495	140	665	1195	67	112	0	230	0	0	422	339	367	4031
37621	37986	2023	2024	496	140	666	1195	67	112	0	230	0	0	422	341	369	4039
37986	38352	2024	2025	498	140	667	1195	67	112	0	231	0	0	423	342	372	4046
38352	38717	2025	2026	499	140	668	1195	67	112	0	231	0	0	423	343	374	4053
38717	39082	2026	2027	500	141	669	1196	67	112	0	231	0	0	424	344	376	4059
39082	39447	2027	2028	501	141	670	1196	67	112	0	231	0	0	424	345	378	4066
39447	39813	2028	2029	502	141	671	1196	67	112	0	232	0	0	425	346	380	4072
39813	40178	2029	2030	503	141	672	1197	67	112	0	232	0	0	425	347	382	4078
40178	40543	2030	2031	504	142	673	1197	67	112	0	232	0	0	425	348	384	4084
40543	40908	2031	2032	505	142	673	1197	67	112	0	232	0	0	426	349	386	4089
40908	41274	2032	2033	506	142	674	1197	67	112	0	232	0	0	426	350	388	4094
41274	41639	2033	2034	507	142	675	1197	67	112	0	233	0	0	427	351	389	4100
41639	42004	2034	2035	508	142	676	1198	67	112	0	233	0	0	427	352	391	4105
42004	42369	2035	2036	509	142	676	1198	67	112	0	233	0	0	427	352	392	4110
42369	42735	2036	2037	510	143	677	1198	67	112	0	233	0	0	428	353	394	4114
42735	43100	2037	2038	511	143	678	1198	67	112	0	233	0	0	428	354	395	4119
43100	43465	2038	2039	512	143	678	1198	67	112	0	233	0	0	428	355	397	4123
43465	43830	2039	2040	512	143	679	1199	67	112	0	233	0	0	429	355	398	4128
43830	44196	2040	2041	513	143	679	1199	67	112	0	234	0	0	429	356	400	4132
44196	44561	2041	2042	514	143	680	1199	67	112	0	234	0	0	429	357	401	4136
44561	44926	2042	2043	515	144	680	1199	67	112	0	234	0	0	429	357	402	4140
44926	45291	2043	2044	515	144	681	1199	67	112	0	234	0	0	430	358	403	4144
45291	45657	2044	2045	516	144	682	1199	67	112	0	234	0	0	430	359	405	4148
45657	46022	2045	2046	517	144	682	1200	67	112	0	234	0	0	430	359	406	4151
46022	46387	2046	2047	518	144	683	1200	67	112	0	234	0	0	430	360	407	4155
46387	46752	2047	2048	518	144	683	1200	67	112	0	235	0	0	431	360	408	4158
46752	47118	2048	2049	519	144	684	1200	67	112	0	235	0	0	431	361	409	4162
47118	47483	2049	2050	519	144	684	1200	67	112	0	235	0	0	431	361	410	4165
47483	47848	2050	2051	520	145	684	1200	67	112	0	235	0	0	431	362	411	4168
47848	48213	2051	2052	521	145	685	1200	67	112	0	235	0	0	432	363	412	4171
48213	48579	2052	2053	521	145	685	1201	67	112	0	235	0	0	432	363	413	4174
48579	48944	2053	2054	522	145	686	1201	67	112	0	235	0	0	432	364	414	4177
48944	49309	2054	2055	522	145	686	1201	67	112	0	235	0	0	432	364	415	4180
49309	49674	2055	2056	523	145	687	1201	67	112	0	235	0	0	432	364	416	4183
49674	50040	2056	2057	523	145	687	1201	67	113	0	236	0	0	433	365	417	4186
50040	50405	2057	2058	524	145	687	1201	67	113	0	236	0	0	433	365	418	4189
50405	50770	2058	2059	524	145	688	1201	67	113	0	236	0	0	433	366	418	4191
50770	51135	2059	2060	525	145	688	1201	67	113	0	236	0	0	433	366	419	4194
51135	51501	2060	2061	525	146	689	1202	67	113	0	236	0	0	433	367	420	4197
51501	51866	2061	2062	526	146	689	1202	67	113	0	236	0	0	434	367	421	4199
51866	52231	2062	2063	526	146	689	1202	67	113	0	236	0	0	434	367	422	4202

B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	527	146	690	1202	67	113	0	236	0	0	434	368	422	4204
52596	52962	2064	2065	527	146	690	1202	67	113	0	236	0	0	434	368	423	4206
52962	53327	2065	2066	528	146	690	1202	67	113	0	236	0	0	434	369	424	4209
53327	53692	2066	2067	528	146	691	1202	67	113	0	236	0	0	434	369	425	4211
53692	54057	2067	2068	528	146	691	1202	67	113	0	236	0	0	435	369	425	4213
54057	54423	2068	2069	529	146	691	1202	67	113	0	237	0	0	435	370	426	4215
54423	54788	2069	2070	529	146	692	1202	67	113	0	237	0	0	435	370	427	4217
54788	55153	2070	2071	530	146	692	1202	67	113	0	237	0	0	435	370	427	4219
55153	55518	2071	2072	530	146	692	1203	67	113	0	237	0	0	435	371	428	4221
55518	55884	2072	2073	530	147	692	1203	67	113	0	237	0	0	435	371	428	4223
55884	56249	2073	2074	531	147	693	1203	67	113	0	237	0	0	435	371	429	4225
56249	56614	2074	2075	531	147	693	1203	67	113	0	237	0	0	436	372	430	4227
56614	56979	2075	2076	532	147	693	1203	67	113	0	237	0	0	436	372	430	4229
56979	57345	2076	2077	532	147	693	1203	67	113	0	237	0	0	436	372	431	4231
57345	57710	2077	2078	532	147	694	1203	67	113	0	237	0	0	436	372	431	4233
57710	58075	2078	2079	533	147	694	1203	67	113	0	237	0	0	436	373	432	4235
58075	58440	2079	2080	533	147	694	1203	67	113	0	237	0	0	436	373	432	4236
58440	58806	2080	2081	533	147	695	1203	67	113	0	237	0	0	436	373	433	4238
58806	59171	2081	2082	534	147	695	1203	67	113	0	237	0	0	436	374	433	4240
59171	59536	2082	2083	534	147	695	1203	67	113	0	237	0	0	437	374	434	4241
59536	59901	2083	2084	534	147	695	1203	67	113	0	237	0	0	437	374	434	4243
59901	60267	2084	2085	534	147	695	1204	67	113	0	238	0	0	437	374	435	4244
60267	60632	2085	2086	535	147	696	1204	67	113	0	238	0	0	437	375	435	4246
60632	60997	2086	2087	535	147	696	1204	67	113	0	238	0	0	437	375	436	4247
60997	61362	2087	2088	535	147	696	1204	67	113	0	238	0	0	437	375	436	4249
61362	61728	2088	2089	536	148	696	1204	67	113	0	238	0	0	437	375	437	4250
61728	62093	2089	2090	536	148	697	1204	67	113	0	238	0	0	437	376	437	4252
62093	62458	2090	2091	536	148	697	1204	67	113	0	238	0	0	437	376	438	4253
62458	62823	2091	2092	536	148	697	1204	67	113	0	238	0	0	438	376	438	4255
62823	63189	2092	2093	537	148	697	1204	67	113	0	238	0	0	438	376	438	4256
63189	63554	2093	2094	537	148	697	1204	67	113	0	238	0	0	438	376	439	4257
63554	63919	2094	2095	537	148	698	1204	67	113	0	238	0	0	438	377	439	4259
63919	64284	2095	2096	537	148	698	1204	67	113	0	238	0	0	438	377	440	4260
64284	64650	2096	2097	538	148	698	1204	67	113	0	238	0	0	438	377	440	4261
64650	65015	2097	2098	538	148	698	1204	67	113	0	238	0	0	438	377	440	4262
65015	65380	2098	2099	538	148	698	1204	67	113	0	238	0	0	438	377	441	4264
65380	65745	2099	2100	538	148	698	1204	67	113	0	238	0	0	438	378	441	4265
65745	66110	2100	2101	539	148	699	1204	67	113	0	238	0	0	438	378	442	4266
66110	66475	2101	2102	539	148	699	1205	67	113	0	238	0	0	438	378	442	4267
66475	66840	2102	2103	539	148	699	1205	67	113	0	238	0	0	439	378	442	4268
66840	67205	2103	2104	539	148	699	1205	67	113	0	238	0	0	439	378	443	4270
67205	67571	2104	2105	540	148	699	1205	67	113	0	238	0	0	439	379	443	4271
67571	67936	2105	2106	540	148	699	1205	67	113	0	239	0	0	439	379	443	4272
67936	68301	2106	2107	540	148	700	1205	67	113	0	239	0	0	439	379	444	4273
68301	68666	2107	2108	540	148	700	1205	67	113	0	239	0	0	439	379	444	4274
68666	69032	2108	2109	540	148	700	1205	67	113	0	239	0	0	439	379	444	4275
69032	69397	2109	2110	541	148	700	1205	67	113	0	239	0	0	439	379	445	4276
69397	69762	2110	2111	541	148	700	1205	67	113	0	239	0	0	439	380	445	4277

B-4a (S3a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.1	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.4	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.4	2.2	8.0	21.7	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	71.2
25568	25933	1990	1991	11.8	2.3	8.8	21.8	1.7	3.1	0.0	4.4	0.0	0.0	8.6	5.3	5.3	73.0
25933	26298	1991	1992	12.4	2.5	9.6	22.0	1.7	3.1	0.0	4.5	0.0	0.0	8.7	5.4	5.4	75.3
26298	26664	1992	1993	12.9	2.6	10.1	22.2	1.7	3.1	0.0	4.5	0.0	0.0	8.9	5.5	5.5	77.1
26664	27029	1993	1994	13.3	2.7	10.6	22.4	1.7	3.1	0.0	4.6	0.0	0.0	9.0	5.6	5.6	78.7
27029	27394	1994	1995	13.7	2.8	10.9	22.7	1.7	3.1	0.0	4.8	0.0	0.0	9.2	5.7	5.7	80.4
27394	27759	1995	1996	14.0	2.9	11.2	22.9	1.8	3.1	0.0	4.9	0.0	0.0	9.3	5.9	5.9	81.7
27759	28125	1996	1997	14.3	2.9	11.4	23.0	1.8	3.1	0.0	5.1	0.0	0.0	11.2	6.7	6.0	85.4
28125	28490	1997	1998	14.5	3.0	11.5	23.1	1.8	3.1	0.0	5.5	0.0	0.0	12.6	7.5	6.1	88.7
28490	28855	1998	1999	15.9	3.1	12.5	23.2	1.8	3.1	0.0	5.7	0.0	0.0	13.4	8.0	6.5	93.3
28855	29220	1999	2000	16.6	3.3	12.9	23.3	1.8	3.1	0.0	5.9	0.0	0.0	14.0	8.4	7.1	96.3
29220	29586	2000	2001	17.0	3.3	13.1	23.4	1.8	3.1	0.0	6.1	0.0	0.0	14.3	8.7	7.7	98.6
29586	29951	2001	2002	17.3	3.4	13.3	23.5	1.8	3.1	0.0	6.2	0.0	0.0	14.6	9.0	8.2	100.5
29951	30316	2002	2003	17.6	3.4	13.5	23.5	1.8	3.1	0.0	6.2	0.0	0.0	14.8	9.3	8.6	102.0
30316	30681	2003	2004	17.8	3.5	13.7	23.6	1.8	3.1	0.0	6.3	0.0	0.0	15.0	9.5	8.9	103.3
30681	31047	2004	2005	18.0	3.5	13.8	23.6	1.8	3.1	0.0	6.4	0.0	0.0	15.1	9.7	9.2	104.4
31047	31412	2005	2006	18.2	3.5	13.9	23.7	1.8	3.1	0.0	6.4	0.0	0.0	15.2	9.9	9.5	105.3
31412	31777	2006	2007	18.4	3.6	14.0	23.7	1.8	3.1	0.0	6.4	0.0	0.0	15.3	10.0	9.7	106.1
31777	32142	2007	2008	18.5	3.6	14.0	23.7	1.8	3.1	0.0	6.5	0.0	0.0	15.4	10.2	9.9	106.9
32142	32508	2008	2009	18.7	3.6	14.1	23.7	1.8	3.1	0.0	6.5	0.0	0.0	15.5	10.3	10.1	107.5
32508	32873	2009	2010	18.8	3.6	14.2	23.8	1.8	3.1	0.0	6.5	0.0	0.0	15.6	10.4	10.3	108.1
32873	33238	2010	2011	18.9	3.6	14.2	23.8	1.9	3.1	0.0	6.5	0.0	0.0	15.6	10.5	10.5	108.6
33238	33603	2011	2012	19.0	3.7	14.3	23.8	1.9	3.1	0.0	6.6	0.0	0.0	15.7	10.6	10.6	109.1
33603	33969	2012	2013	19.1	3.7	14.3	23.8	1.9	3.1	0.0	6.6	0.0	0.0	15.7	10.6	10.7	109.5
33969	34334	2013	2014	19.2	3.7	14.4	23.8	1.9	3.1	0.0	6.6	0.0	0.0	15.8	10.7	10.9	110.0
34334	34699	2014	2015	19.3	3.7	14.4	23.8	1.9	3.1	0.0	6.6	0.0	0.0	15.8	10.8	11.0	110.3
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

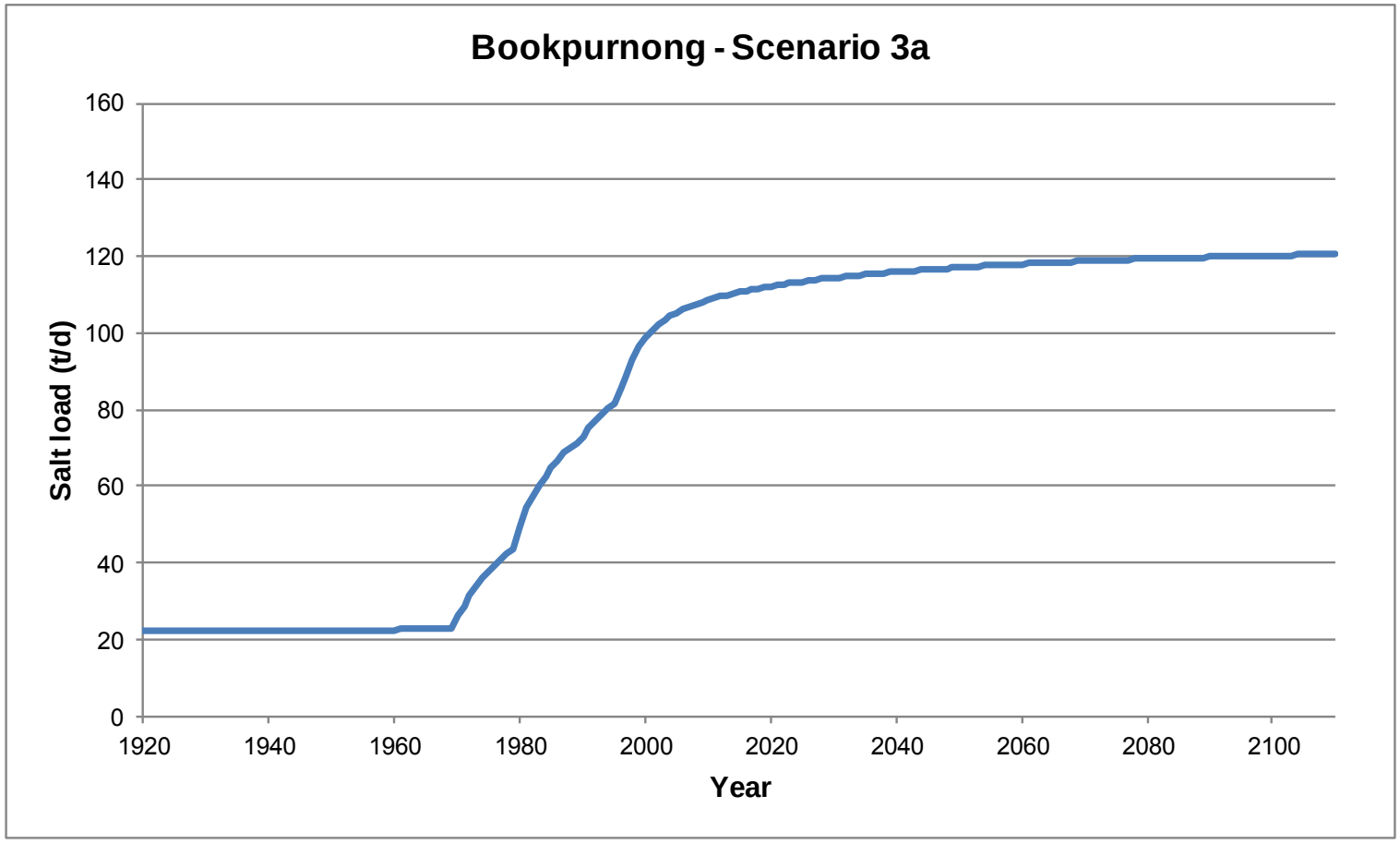
B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	19.3	3.7	14.4	23.8	1.9	3.1	0.0	6.6	0.0	0.0	15.8	10.8	11.1	110.7
35064	35430	2016	2017	19.4	3.7	14.5	23.8	1.9	3.1	0.0	6.6	0.0	0.0	15.9	10.9	11.2	111.0
35430	35795	2017	2018	19.5	3.7	14.5	23.9	1.9	3.1	0.0	6.6	0.0	0.0	15.9	11.0	11.3	111.4
35795	36160	2018	2019	19.6	3.7	14.5	23.9	1.9	3.1	0.0	6.6	0.0	0.0	15.9	11.0	11.4	111.7
36160	36525	2019	2020	19.6	3.7	14.6	23.9	1.9	3.1	0.0	6.6	0.0	0.0	15.9	11.1	11.5	112.0
36525	36891	2020	2021	19.7	3.8	14.6	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.0	11.1	11.6	112.2
36891	37256	2021	2022	19.7	3.8	14.6	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.0	11.2	11.7	112.5
37256	37621	2022	2023	19.8	3.8	14.6	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.0	11.2	11.7	112.7
37621	37986	2023	2024	19.9	3.8	14.7	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.0	11.2	11.8	113.0
37986	38352	2024	2025	19.9	3.8	14.7	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.1	11.3	11.9	113.2
38352	38717	2025	2026	20.0	3.8	14.7	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.1	11.3	12.0	113.4
38717	39082	2026	2027	20.0	3.8	14.7	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.1	11.4	12.0	113.6
39082	39447	2027	2028	20.0	3.8	14.7	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.1	11.4	12.1	113.8
39447	39813	2028	2029	20.1	3.8	14.8	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.1	11.4	12.2	114.0
39813	40178	2029	2030	20.1	3.8	14.8	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.1	11.5	12.2	114.2
40178	40543	2030	2031	20.2	3.8	14.8	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.2	11.5	12.3	114.4
40543	40908	2031	2032	20.2	3.8	14.8	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.2	11.5	12.3	114.6
40908	41274	2032	2033	20.3	3.8	14.8	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.2	11.5	12.4	114.8
41274	41639	2033	2034	20.3	3.8	14.8	23.9	1.9	3.1	0.0	6.7	0.0	0.0	16.2	11.6	12.5	114.9
41639	42004	2034	2035	20.3	3.8	14.9	24.0	1.9	3.1	0.0	6.7	0.0	0.0	16.2	11.6	12.5	115.1
42004	42369	2035	2036	20.4	3.8	14.9	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.2	11.6	12.6	115.2
42369	42735	2036	2037	20.4	3.9	14.9	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.2	11.7	12.6	115.4
42735	43100	2037	2038	20.4	3.9	14.9	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.7	12.7	115.5
43100	43465	2038	2039	20.5	3.9	14.9	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.7	12.7	115.7
43465	43830	2039	2040	20.5	3.9	14.9	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.7	12.7	115.8
43830	44196	2040	2041	20.5	3.9	14.9	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.8	12.8	115.9
44196	44561	2041	2042	20.6	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.8	12.8	116.1
44561	44926	2042	2043	20.6	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.8	12.9	116.2
44926	45291	2043	2044	20.6	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.8	12.9	116.3
45291	45657	2044	2045	20.6	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.8	12.9	116.4
45657	46022	2045	2046	20.7	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.3	11.9	13.0	116.6
46022	46387	2046	2047	20.7	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	11.9	13.0	116.7
46387	46752	2047	2048	20.7	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	11.9	13.1	116.8
46752	47118	2048	2049	20.8	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	11.9	13.1	116.9
47118	47483	2049	2050	20.8	3.9	15.0	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	11.9	13.1	117.0
47483	47848	2050	2051	20.8	3.9	15.1	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	11.9	13.2	117.1
47848	48213	2051	2052	20.8	3.9	15.1	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	12.0	13.2	117.2
48213	48579	2052	2053	20.8	3.9	15.1	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	12.0	13.2	117.3
48579	48944	2053	2054	20.9	3.9	15.1	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	12.0	13.3	117.4
48944	49309	2054	2055	20.9	3.9	15.1	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	12.0	13.3	117.5
49309	49674	2055	2056	20.9	3.9	15.1	24.0	1.9	3.1	0.0	6.8	0.0	0.0	16.4	12.0	13.3	117.6
49674	50040	2056	2057	20.9	3.9	15.1	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.4	12.0	13.3	117.7
50040	50405	2057	2058	21.0	3.9	15.1	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.4	12.1	13.4	117.8
50405	50770	2058	2059	21.0	3.9	15.1	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.1	13.4	117.8
50770	51135	2059	2060	21.0	3.9	15.1	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.1	13.4	117.9
51135	51501	2060	2061	21.0	3.9	15.1	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.1	13.4	118.0
51501	51866	2061	2062	21.0	3.9	15.2	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.1	13.5	118.1
51866	52231	2062	2063	21.1	3.9	15.2	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.1	13.5	118.2
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	21.1	3.9	15.2	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.1	13.5	118.2
52596	52962	2064	2065	21.1	3.9	15.2	24.0	1.9	3.2	0.0	6.8	0.0	0.0	16.5	12.2	13.5	118.3
52962	53327	2065	2066	21.1	3.9	15.2	24.0	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.6	118.4
53327	53692	2066	2067	21.1	3.9	15.2	24.0	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.6	118.5
53692	54057	2067	2068	21.1	3.9	15.2	24.0	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.6	118.5
54057	54423	2068	2069	21.2	3.9	15.2	24.0	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.6	118.6
54423	54788	2069	2070	21.2	4.0	15.2	24.0	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.6	118.7
54788	55153	2070	2071	21.2	4.0	15.2	24.0	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.7	118.7
55153	55518	2071	2072	21.2	4.0	15.2	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.7	118.8
55518	55884	2072	2073	21.2	4.0	15.2	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.2	13.7	118.9
55884	56249	2073	2074	21.2	4.0	15.2	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.5	12.3	13.7	118.9
56249	56614	2074	2075	21.2	4.0	15.2	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.7	119.0
56614	56979	2075	2076	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.8	119.0
56979	57345	2076	2077	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.8	119.1
57345	57710	2077	2078	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.8	119.2
57710	58075	2078	2079	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.8	119.2
58075	58440	2079	2080	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.8	119.3
58440	58806	2080	2081	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.9	119.3
58806	59171	2081	2082	21.3	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.9	119.4
59171	59536	2082	2083	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.9	119.4
59536	59901	2083	2084	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.3	13.9	119.5
59901	60267	2084	2085	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	13.9	119.5
60267	60632	2085	2086	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	13.9	119.6
60632	60997	2086	2087	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	13.9	119.6
60997	61362	2087	2088	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.7
61362	61728	2088	2089	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.7
61728	62093	2089	2090	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.8
62093	62458	2090	2091	21.4	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.8
62458	62823	2091	2092	21.5	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.9
62823	63189	2092	2093	21.5	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.9
63189	63554	2093	2094	21.5	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.0	119.9
63554	63919	2094	2095	21.5	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.1	120.0
63919	64284	2095	2096	21.5	4.0	15.3	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.1	120.0
64284	64650	2096	2097	21.5	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.4	14.1	120.1
64650	65015	2097	2098	21.5	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.6	12.5	14.1	120.1
65015	65380	2098	2099	21.5	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.1	120.1
65380	65745	2099	2100	21.5	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.1	120.2
65745	66110	2100	2101	21.5	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.1	120.2
66110	66475	2101	2102	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.1	120.3
66475	66840	2102	2103	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.3
66840	67205	2103	2104	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.3
67205	67571	2104	2105	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.4
67571	67936	2105	2106	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.4
67936	68301	2106	2107	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.4
68301	68666	2107	2108	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.5
68666	69032	2108	2109	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.5
69032	69397	2109	2110	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.5
69397	69762	2110	2111	21.6	4.0	15.4	24.1	1.9	3.2	0.0	6.9	0.0	0.0	16.7	12.5	14.2	120.6
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S3a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	70	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1038	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	171	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	467	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3132
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	332	239	242	3110
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	331	242	252	3074
30316	30681	2003	2004	283	90	404	1072	55	111	0	182	0	0	331	245	258	3031
30681	31047	2004	2005	278	87	382	1058	55	111	0	181	0	0	331	247	263	2993
31047	31412	2005	2006	271	84	359	1044	55	111	0	181	0	0	332	249	266	2951
31412	31777	2006	2007	266	81	346	1037	54	111	0	180	0	0	326	247	269	2919
31777	32142	2007	2008	263	80	339	1034	54	111	0	179	0	0	319	244	272	2895
32142	32508	2008	2009	261	79	335	1032	54	111	0	178	0	0	316	243	274	2883
32508	32873	2009	2010	260	78	331	1031	54	111	0	179	0	0	315	242	276	2878
32873	33238	2010	2011	258	78	328	1029	54	111	0	181	0	0	317	242	277	2876
33238	33603	2011	2012	258	77	326	1029	54	111	0	183	0	0	318	242	279	2876
33603	33969	2012	2013	257	77	325	1029	54	111	0	183	0	0	318	242	280	2878
33969	34334	2013	2014	257	77	324	1029	54	111	0	184	0	0	318	243	281	2879
34334	34699	2014	2015	257	77	324	1029	54	111	0	184	0	0	318	243	282	2880

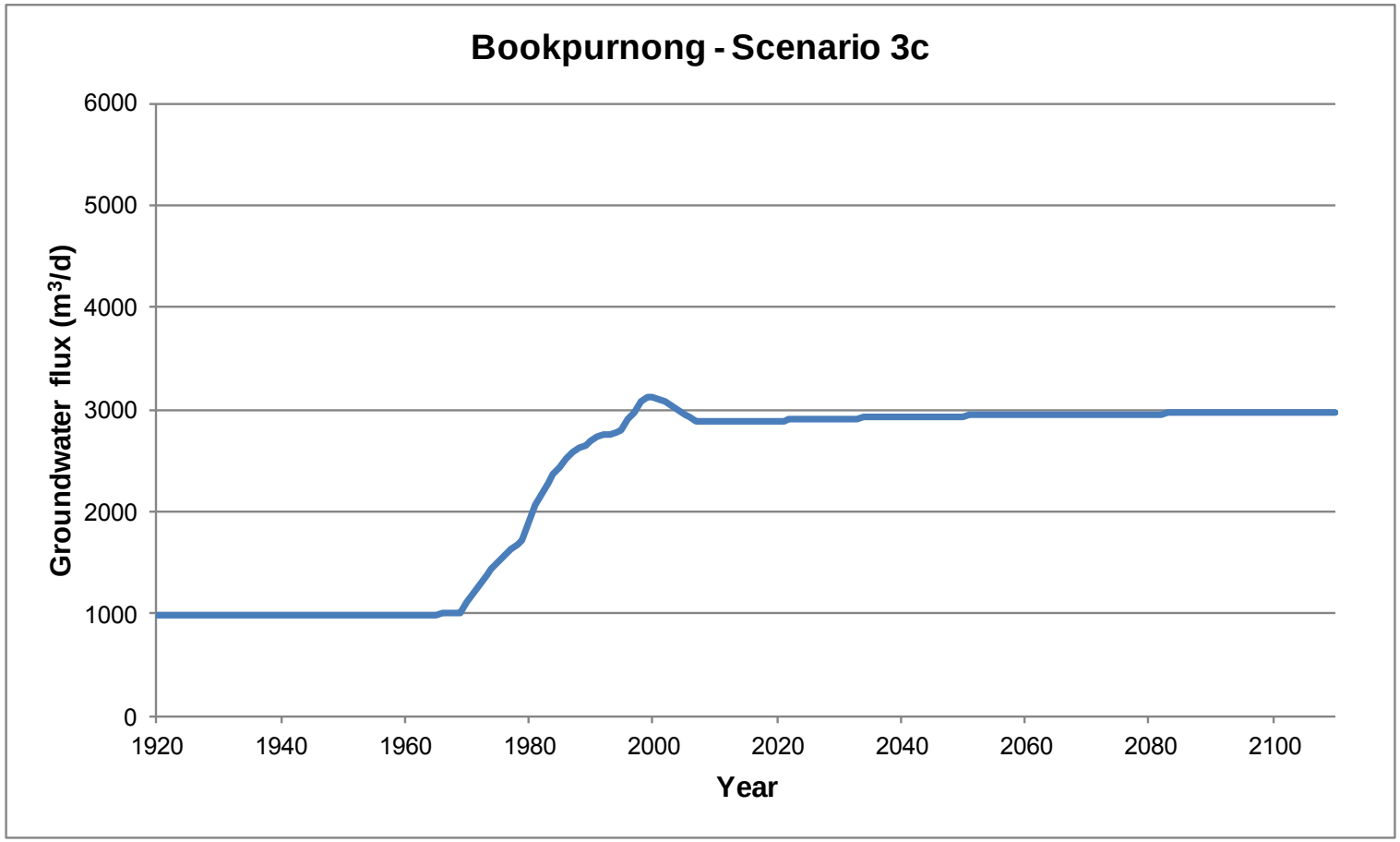
B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	257	77	324	1029	54	111	0	184	0	0	318	243	283	2882
35064	35430	2016	2017	258	77	324	1029	54	111	0	184	0	0	318	244	284	2884
35430	35795	2017	2018	258	77	324	1029	54	111	0	184	0	0	318	244	285	2885
35795	36160	2018	2019	259	77	325	1029	54	111	0	184	0	0	318	245	286	2888
36160	36525	2019	2020	259	77	325	1029	54	111	0	184	0	0	318	245	286	2890
36525	36891	2020	2021	260	77	325	1029	54	111	0	184	0	0	319	245	287	2892
36891	37256	2021	2022	260	77	325	1029	54	111	0	184	0	0	319	246	288	2894
37256	37621	2022	2023	261	77	326	1030	54	111	0	184	0	0	319	246	288	2896
37621	37986	2023	2024	261	78	326	1030	54	111	0	184	0	0	319	247	289	2898
37986	38352	2024	2025	262	78	326	1030	54	111	0	184	0	0	319	247	289	2900
38352	38717	2025	2026	262	78	327	1030	54	111	0	184	0	0	319	247	289	2902
38717	39082	2026	2027	263	78	327	1030	54	111	0	184	0	0	319	248	290	2904
39082	39447	2027	2028	263	78	327	1030	54	111	0	184	0	0	320	248	290	2906
39447	39813	2028	2029	264	78	328	1030	54	111	0	184	0	0	320	248	291	2908
39813	40178	2029	2030	264	78	328	1030	54	111	0	184	0	0	320	249	291	2910
40178	40543	2030	2031	265	78	328	1030	54	111	0	184	0	0	320	249	291	2912
40543	40908	2031	2032	265	78	329	1030	54	111	0	184	0	0	320	249	292	2913
40908	41274	2032	2033	265	78	329	1030	54	111	0	184	0	0	320	250	292	2915
41274	41639	2033	2034	266	78	329	1030	54	111	0	184	0	0	320	250	292	2917
41639	42004	2034	2035	266	78	329	1031	54	111	0	184	0	0	320	250	293	2918
42004	42369	2035	2036	267	79	330	1031	54	111	0	185	0	0	321	250	293	2920
42369	42735	2036	2037	267	79	330	1031	54	111	0	185	0	0	321	251	293	2921
42735	43100	2037	2038	268	79	330	1031	54	111	0	185	0	0	321	251	293	2923
43100	43465	2038	2039	268	79	331	1031	54	111	0	185	0	0	321	251	294	2924
43465	43830	2039	2040	268	79	331	1031	54	111	0	185	0	0	321	251	294	2926
43830	44196	2040	2041	269	79	331	1031	54	111	0	185	0	0	321	251	294	2927
44196	44561	2041	2042	269	79	331	1031	54	111	0	185	0	0	321	252	294	2928
44561	44926	2042	2043	269	79	331	1031	55	111	0	185	0	0	321	252	294	2929
44926	45291	2043	2044	270	79	332	1031	55	111	0	185	0	0	322	252	295	2931
45291	45657	2044	2045	270	79	332	1031	55	111	0	185	0	0	322	252	295	2932
45657	46022	2045	2046	270	79	332	1031	55	111	0	185	0	0	322	252	295	2933
46022	46387	2046	2047	271	79	332	1031	55	111	0	185	0	0	322	253	295	2934
46387	46752	2047	2048	271	79	332	1031	55	111	0	185	0	0	322	253	295	2935
46752	47118	2048	2049	271	79	333	1031	55	111	0	185	0	0	322	253	296	2936
47118	47483	2049	2050	271	79	333	1031	55	111	0	185	0	0	322	253	296	2937
47483	47848	2050	2051	272	79	333	1032	55	111	0	185	0	0	322	253	296	2938
47848	48213	2051	2052	272	80	333	1032	55	111	0	185	0	0	322	253	296	2939
48213	48579	2052	2053	272	80	333	1032	55	111	0	185	0	0	322	254	296	2940
48579	48944	2053	2054	272	80	334	1032	55	111	0	185	0	0	322	254	297	2941
48944	49309	2054	2055	273	80	334	1032	55	111	0	185	0	0	322	254	297	2942
49309	49674	2055	2056	273	80	334	1032	55	111	0	185	0	0	322	254	297	2943
49674	50040	2056	2057	273	80	334	1032	55	111	0	185	0	0	323	254	297	2944
50040	50405	2057	2058	273	80	334	1032	55	111	0	185	0	0	323	254	297	2944
50405	50770	2058	2059	274	80	334	1032	55	111	0	185	0	0	323	254	297	2945
50770	51135	2059	2060	274	80	334	1032	55	111	0	185	0	0	323	255	297	2946
51135	51501	2060	2061	274	80	335	1032	55	111	0	186	0	0	323	255	298	2947
51501	51866	2061	2062	274	80	335	1032	55	111	0	186	0	0	323	255	298	2948
51866	52231	2062	2063	274	80	335	1032	55	111	0	186	0	0	323	255	298	2948

B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	275	80	335	1032	55	111	0	186	0	0	323	255	298	2949
52596	52962	2064	2065	275	80	335	1032	55	111	0	186	0	0	323	255	298	2950
52962	53327	2065	2066	275	80	335	1032	55	111	0	186	0	0	323	255	298	2950
53327	53692	2066	2067	275	80	335	1032	55	111	0	186	0	0	323	255	299	2951
53692	54057	2067	2068	275	80	335	1032	55	111	0	186	0	0	323	255	299	2952
54057	54423	2068	2069	275	80	335	1032	55	111	0	186	0	0	323	256	299	2952
54423	54788	2069	2070	276	80	336	1032	55	111	0	186	0	0	323	256	299	2953
54788	55153	2070	2071	276	80	336	1032	55	111	0	186	0	0	323	256	299	2954
55153	55518	2071	2072	276	80	336	1032	55	111	0	186	0	0	323	256	299	2954
55518	55884	2072	2073	276	80	336	1032	55	111	0	186	0	0	323	256	299	2955
55884	56249	2073	2074	276	80	336	1032	55	111	0	186	0	0	323	256	299	2955
56249	56614	2074	2075	276	80	336	1032	55	111	0	186	0	0	324	256	300	2956
56614	56979	2075	2076	276	80	336	1032	55	111	0	186	0	0	324	256	300	2956
56979	57345	2076	2077	276	80	336	1032	55	111	0	186	0	0	324	256	300	2957
57345	57710	2077	2078	277	80	336	1033	55	111	0	186	0	0	324	256	300	2958
57710	58075	2078	2079	277	80	336	1033	55	111	0	186	0	0	324	256	300	2958
58075	58440	2079	2080	277	80	336	1033	55	111	0	186	0	0	324	256	300	2959
58440	58806	2080	2081	277	80	337	1033	55	111	0	186	0	0	324	257	300	2959
58806	59171	2081	2082	277	80	337	1033	55	111	0	186	0	0	324	257	301	2960
59171	59536	2082	2083	277	80	337	1033	55	111	0	186	0	0	324	257	301	2960
59536	59901	2083	2084	277	81	337	1033	55	111	0	186	0	0	324	257	301	2961
59901	60267	2084	2085	277	81	337	1033	55	111	0	186	0	0	324	257	301	2961
60267	60632	2085	2086	278	81	337	1033	55	111	0	186	0	0	324	257	301	2962
60632	60997	2086	2087	278	81	337	1033	55	111	0	186	0	0	324	257	301	2962
60997	61362	2087	2088	278	81	337	1033	55	111	0	186	0	0	324	257	301	2963
61362	61728	2088	2089	278	81	337	1033	55	111	0	186	0	0	324	257	301	2963
61728	62093	2089	2090	278	81	337	1033	55	111	0	186	0	0	324	257	301	2963
62093	62458	2090	2091	278	81	337	1033	55	111	0	186	0	0	324	257	302	2964
62458	62823	2091	2092	278	81	337	1033	55	111	0	186	0	0	324	257	302	2964
62823	63189	2092	2093	278	81	337	1033	55	111	0	186	0	0	324	257	302	2965
63189	63554	2093	2094	278	81	337	1033	55	111	0	186	0	0	324	257	302	2965
63554	63919	2094	2095	278	81	337	1033	55	111	0	186	0	0	324	258	302	2965
63919	64284	2095	2096	278	81	338	1033	55	111	0	186	0	0	324	258	302	2966
64284	64650	2096	2097	279	81	338	1033	55	111	0	186	0	0	324	258	302	2966
64650	65015	2097	2098	279	81	338	1033	55	111	0	186	0	0	324	258	302	2967
65015	65380	2098	2099	279	81	338	1033	55	111	0	186	0	0	324	258	302	2967
65380	65745	2099	2100	279	81	338	1033	55	111	0	186	0	0	324	258	303	2967
65745	66110	2100	2101	279	81	338	1033	55	111	0	186	0	0	324	258	303	2968
66110	66475	2101	2102	279	81	338	1033	55	111	0	186	0	0	324	258	303	2968
66475	66840	2102	2103	279	81	338	1033	55	111	0	186	0	0	324	258	303	2969
66840	67205	2103	2104	279	81	338	1033	55	111	0	186	0	0	325	258	303	2969
67205	67571	2104	2105	279	81	338	1033	55	111	0	186	0	0	325	258	303	2969
67571	67936	2105	2106	279	81	338	1033	55	111	0	186	0	0	325	258	303	2970
67936	68301	2106	2107	279	81	338	1033	55	111	0	186	0	0	325	258	303	2970
68301	68666	2107	2108	279	81	338	1033	55	111	0	186	0	0	325	258	303	2970
68666	69032	2108	2109	279	81	338	1033	55	111	0	186	0	0	325	258	304	2971
69032	69397	2109	2110	280	81	338	1033	55	111	0	186	0	0	325	258	304	2971
69397	69762	2110	2111	280	81	338	1033	55	111	0	186	0	0	325	258	304	2971

B-4a (S3c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.1	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.4	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.7
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.6	8.0	8.0	83.9
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.6	8.1	8.3	82.9
30681	31047	2004	2005	11.1	2.3	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.6	8.1	8.4	82.1
31047	31412	2005	2006	10.8	2.3	7.9	20.9	1.5	3.1	0.0	5.2	0.0	0.0	12.6	8.2	8.5	81.1
31412	31777	2006	2007	10.6	2.2	7.6	20.7	1.5	3.1	0.0	5.2	0.0	0.0	12.4	8.2	8.6	80.2
31777	32142	2007	2008	10.5	2.2	7.5	20.7	1.5	3.1	0.0	5.2	0.0	0.0	12.1	8.1	8.7	79.5
32142	32508	2008	2009	10.4	2.1	7.4	20.6	1.5	3.1	0.0	5.2	0.0	0.0	12.0	8.0	8.8	79.1
32508	32873	2009	2010	10.4	2.1	7.3	20.6	1.5	3.1	0.0	5.2	0.0	0.0	12.0	8.0	8.8	79.0
32873	33238	2010	2011	10.3	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.0	8.0	8.9	79.0
33238	33603	2011	2012	10.3	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.0	8.9	79.1
33603	33969	2012	2013	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.0	9.0	79.1
33969	34334	2013	2014	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.0	9.0	79.1
34334	34699	2014	2015	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.0	9.0	79.2
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

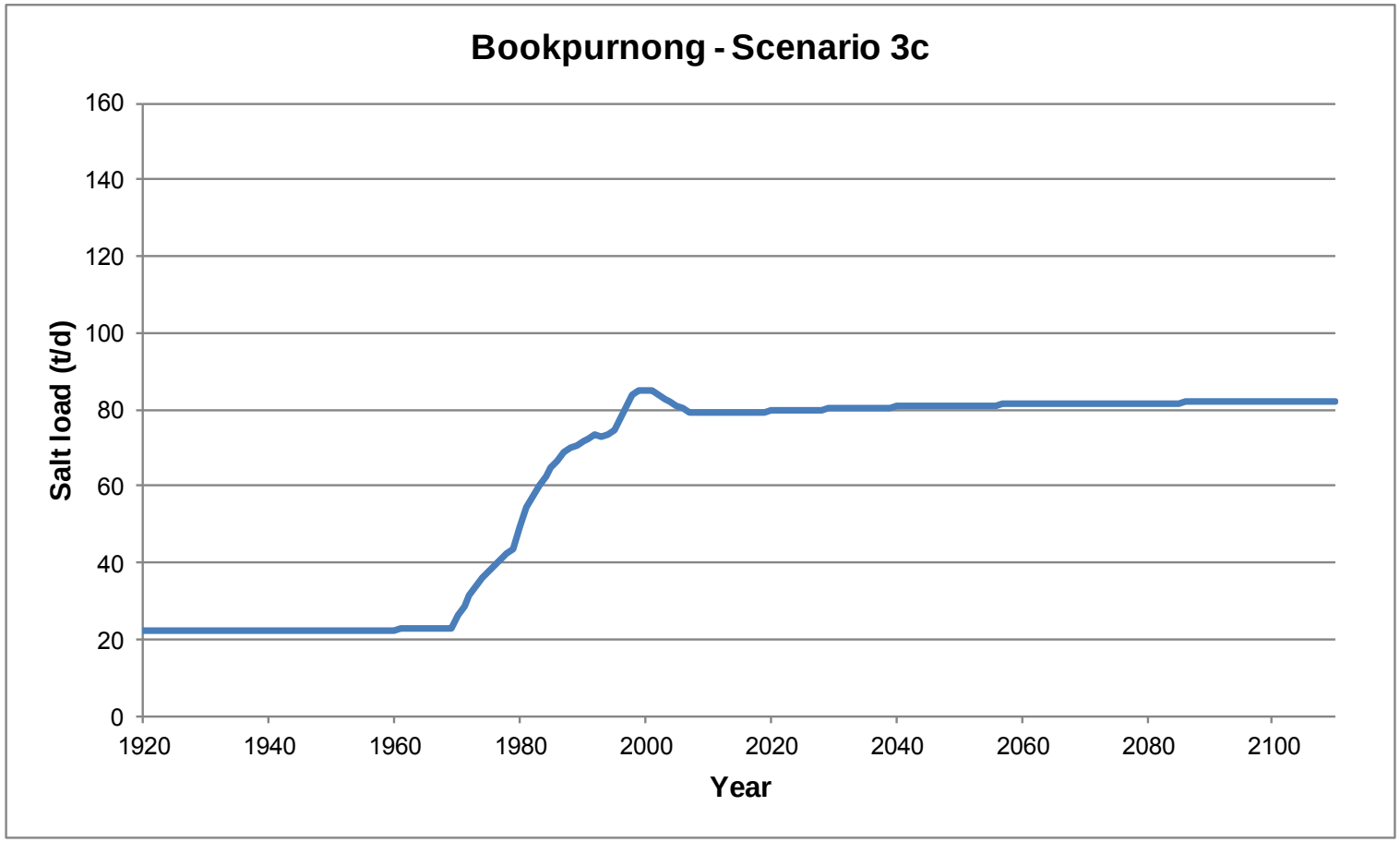
B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.0	9.1	79.2
35064	35430	2016	2017	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.0	9.1	79.3
35430	35795	2017	2018	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.1	79.4
35795	36160	2018	2019	10.3	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.1	79.4
36160	36525	2019	2020	10.4	2.1	7.1	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.2	79.5
36525	36891	2020	2021	10.4	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.2	79.6
36891	37256	2021	2022	10.4	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.2	79.6
37256	37621	2022	2023	10.4	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.2	79.7
37621	37986	2023	2024	10.4	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.1	9.2	79.8
37986	38352	2024	2025	10.5	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.2	9.2	79.8
38352	38717	2025	2026	10.5	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.2	9.3	79.9
38717	39082	2026	2027	10.5	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.2	9.3	80.0
39082	39447	2027	2028	10.5	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.2	9.3	80.0
39447	39813	2028	2029	10.5	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.1	8.2	9.3	80.1
39813	40178	2029	2030	10.6	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.2	8.2	9.3	80.1
40178	40543	2030	2031	10.6	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.2	8.2	9.3	80.2
40543	40908	2031	2032	10.6	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.2	8.2	9.3	80.3
40908	41274	2032	2033	10.6	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.2	8.2	9.3	80.3
41274	41639	2033	2034	10.6	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.2	8.2	9.4	80.4
41639	42004	2034	2035	10.7	2.1	7.2	20.6	1.5	3.1	0.0	5.3	0.0	0.0	12.2	8.3	9.4	80.4
42004	42369	2035	2036	10.7	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.5
42369	42735	2036	2037	10.7	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.5
42735	43100	2037	2038	10.7	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.6
43100	43465	2038	2039	10.7	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.6
43465	43830	2039	2040	10.7	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.7
43830	44196	2040	2041	10.7	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.7
44196	44561	2041	2042	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.7
44561	44926	2042	2043	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.8
44926	45291	2043	2044	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.8
45291	45657	2044	2045	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.9
45657	46022	2045	2046	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.9
46022	46387	2046	2047	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.4	80.9
46387	46752	2047	2048	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.5	81.0
46752	47118	2048	2049	10.8	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.3	9.5	81.0
47118	47483	2049	2050	10.9	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.4	9.5	81.0
47483	47848	2050	2051	10.9	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.4	9.5	81.1
47848	48213	2051	2052	10.9	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.4	9.5	81.1
48213	48579	2052	2053	10.9	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.4	9.5	81.1
48579	48944	2053	2054	10.9	2.1	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.2	8.4	9.5	81.1
48944	49309	2054	2055	10.9	2.2	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.2
49309	49674	2055	2056	10.9	2.2	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.2
49674	50040	2056	2057	10.9	2.2	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.2
50040	50405	2057	2058	10.9	2.2	7.3	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.3
50405	50770	2058	2059	10.9	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.3
50770	51135	2059	2060	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.3
51135	51501	2060	2061	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.3
51501	51866	2061	2062	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.4
51866	52231	2062	2063	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.4
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.4
52596	52962	2064	2065	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.4
52962	53327	2065	2066	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.5	81.4
53327	53692	2066	2067	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.5
53692	54057	2067	2068	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.5
54057	54423	2068	2069	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.5
54423	54788	2069	2070	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.5
54788	55153	2070	2071	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.6
55153	55518	2071	2072	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.6
55518	55884	2072	2073	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.6
55884	56249	2073	2074	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.6
56249	56614	2074	2075	11.0	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.4	9.6	81.6
56614	56979	2075	2076	11.1	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.6
56979	57345	2076	2077	11.1	2.2	7.4	20.6	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.7
57345	57710	2077	2078	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.7
57710	58075	2078	2079	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.7
58075	58440	2079	2080	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.7
58440	58806	2080	2081	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.7
58806	59171	2081	2082	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.7
59171	59536	2082	2083	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
59536	59901	2083	2084	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
59901	60267	2084	2085	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
60267	60632	2085	2086	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
60632	60997	2086	2087	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
60997	61362	2087	2088	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
61362	61728	2088	2089	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.8
61728	62093	2089	2090	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.6	81.9
62093	62458	2090	2091	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	81.9
62458	62823	2091	2092	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	81.9
62823	63189	2092	2093	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	81.9
63189	63554	2093	2094	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	81.9
63554	63919	2094	2095	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	81.9
63919	64284	2095	2096	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	81.9
64284	64650	2096	2097	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
64650	65015	2097	2098	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
65015	65380	2098	2099	11.1	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
65380	65745	2099	2100	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
65745	66110	2100	2101	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
66110	66475	2101	2102	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
66475	66840	2102	2103	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
66840	67205	2103	2104	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.0
67205	67571	2104	2105	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
67571	67936	2105	2106	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
67936	68301	2106	2107	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
68301	68666	2107	2108	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
68666	69032	2108	2109	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
69032	69397	2109	2110	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
69397	69762	2110	2111	11.2	2.2	7.4	20.7	1.5	3.1	0.0	5.4	0.0	0.0	12.3	8.5	9.7	82.1
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S3c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 3c) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	70	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1038	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	171	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	467	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3133
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	333	241	243	3113
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	333	246	253	3083
30316	30681	2003	2004	283	90	404	1072	55	111	0	183	0	0	335	251	261	3047
30681	31047	2004	2005	279	87	383	1059	55	111	0	183	0	0	337	256	268	3019
31047	31412	2005	2006	273	84	361	1045	55	111	0	183	0	0	341	262	273	2989
31412	31777	2006	2007	270	82	350	1039	55	111	0	183	0	0	339	268	278	2975
31777	32142	2007	2008	268	81	345	1042	55	111	0	183	0	0	335	272	283	2976
32142	32508	2008	2009	269	81	343	1042	55	111	0	185	0	0	335	276	288	2985
32508	32873	2009	2010	271	81	343	1042	55	111	0	187	0	0	337	280	293	3000
32873	33238	2010	2011	273	81	342	1041	55	111	0	189	0	0	341	286	298	3019
33238	33603	2011	2012	278	84	356	1043	55	111	0	192	0	0	344	292	303	3059
33603	33969	2012	2013	287	87	370	1045	55	111	0	193	0	0	347	296	308	3100
33969	34334	2013	2014	297	92	384	1048	55	111	0	195	0	0	349	300	313	3143
34334	34699	2014	2015	314	96	405	1053	56	111	0	196	0	0	352	304	317	3204

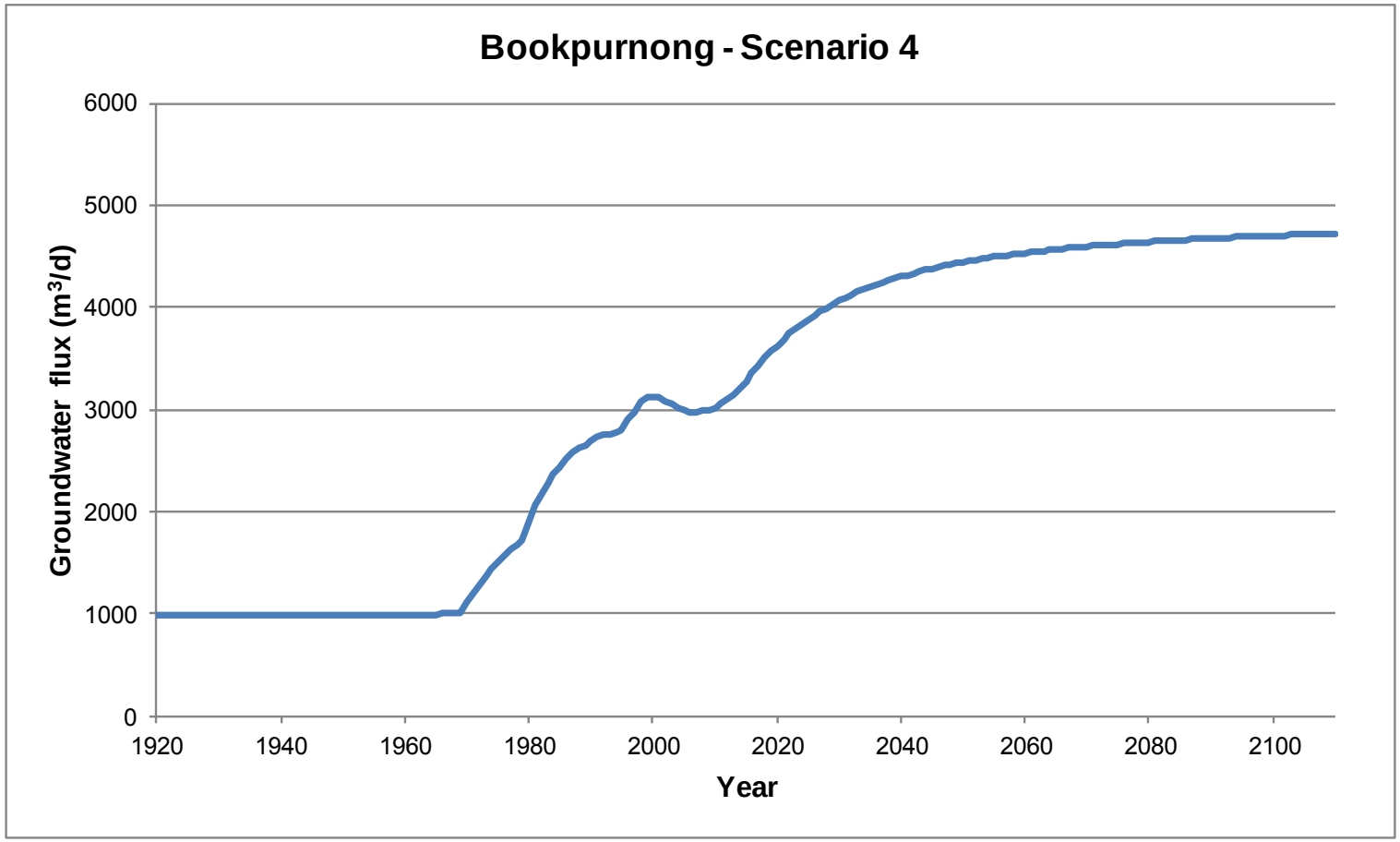
B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	333	101	424	1057	56	111	0	197	0	0	355	310	334	3279
35064	35430	2016	2017	347	105	438	1061	56	111	0	199	0	0	358	321	362	3357
35430	35795	2017	2018	359	107	449	1064	56	112	0	201	0	0	362	333	389	3431
35795	36160	2018	2019	371	110	459	1066	56	112	0	203	0	0	366	345	414	3501
36160	36525	2019	2020	382	112	468	1069	56	112	0	204	0	0	370	356	435	3565
36525	36891	2020	2021	394	114	477	1071	56	112	0	206	0	0	374	367	456	3627
36891	37256	2021	2022	404	116	485	1074	57	112	0	208	0	0	378	377	474	3684
37256	37621	2022	2023	414	118	492	1076	57	112	0	209	0	0	382	387	490	3738
37621	37986	2023	2024	424	120	500	1078	57	112	0	211	0	0	386	395	505	3787
37986	38352	2024	2025	433	122	506	1080	57	112	0	212	0	0	390	404	519	3834
38352	38717	2025	2026	442	123	513	1081	57	112	0	214	0	0	393	411	533	3878
38717	39082	2026	2027	450	125	519	1083	57	112	0	215	0	0	396	418	545	3920
39082	39447	2027	2028	457	126	525	1085	57	112	0	216	0	0	399	425	557	3959
39447	39813	2028	2029	464	128	530	1086	57	112	0	217	0	0	402	431	568	3996
39813	40178	2029	2030	471	129	535	1088	58	112	0	218	0	0	404	437	578	4030
40178	40543	2030	2031	478	130	540	1089	58	112	0	220	0	0	407	443	587	4062
40543	40908	2031	2032	484	131	544	1090	58	112	0	221	0	0	409	448	596	4093
40908	41274	2032	2033	489	132	549	1092	58	112	0	222	0	0	411	453	604	4121
41274	41639	2033	2034	495	133	553	1093	58	112	0	222	0	0	413	457	612	4148
41639	42004	2034	2035	500	134	556	1094	58	112	0	223	0	0	415	461	619	4173
42004	42369	2035	2036	505	135	560	1095	58	112	0	224	0	0	417	465	627	4198
42369	42735	2036	2037	509	136	563	1096	58	112	0	225	0	0	419	469	633	4220
42735	43100	2037	2038	513	137	567	1097	58	112	0	226	0	0	420	473	639	4242
43100	43465	2038	2039	518	138	570	1097	58	112	0	226	0	0	422	476	646	4262
43465	43830	2039	2040	521	138	572	1098	58	112	0	227	0	0	423	479	651	4281
43830	44196	2040	2041	525	139	575	1099	58	112	0	227	0	0	425	482	657	4300
44196	44561	2041	2042	529	140	578	1100	58	112	0	228	0	0	426	485	662	4317
44561	44926	2042	2043	532	140	580	1100	58	112	0	229	0	0	427	488	667	4334
44926	45291	2043	2044	535	141	582	1101	58	112	0	229	0	0	429	490	672	4350
45291	45657	2044	2045	538	141	585	1102	58	112	0	230	0	0	430	493	676	4365
45657	46022	2045	2046	541	142	587	1102	58	112	0	230	0	0	431	495	680	4379
46022	46387	2046	2047	544	143	589	1103	59	112	0	231	0	0	432	498	684	4393
46387	46752	2047	2048	546	143	591	1103	59	112	0	231	0	0	433	500	688	4406
46752	47118	2048	2049	549	143	592	1104	59	112	0	231	0	0	434	502	692	4419
47118	47483	2049	2050	551	144	594	1104	59	112	0	232	0	0	434	504	696	4430
47483	47848	2050	2051	553	144	596	1105	59	112	0	232	0	0	435	506	699	4442
47848	48213	2051	2052	556	145	597	1105	59	112	0	232	0	0	436	507	703	4453
48213	48579	2052	2053	558	145	599	1106	59	112	0	233	0	0	437	509	706	4463
48579	48944	2053	2054	560	145	600	1106	59	112	0	233	0	0	438	511	709	4473
48944	49309	2054	2055	562	146	602	1107	59	112	0	233	0	0	438	512	712	4483
49309	49674	2055	2056	563	146	603	1107	59	113	0	234	0	0	439	514	715	4492
49674	50040	2056	2057	565	147	604	1107	59	113	0	234	0	0	440	515	718	4501
50040	50405	2057	2058	567	147	606	1108	59	113	0	234	0	0	440	517	720	4510
50405	50770	2058	2059	568	147	607	1108	59	113	0	235	0	0	441	518	723	4518
50770	51135	2059	2060	570	147	608	1108	59	113	0	235	0	0	441	519	725	4526
51135	51501	2060	2061	572	148	609	1109	59	113	0	235	0	0	442	521	728	4534
51501	51866	2061	2062	573	148	610	1109	59	113	0	235	0	0	442	522	730	4541
51866	52231	2062	2063	574	148	611	1109	59	113	0	236	0	0	443	523	732	4548

B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	576	148	612	1109	59	113	0	236	0	0	443	524	734	4555
52596	52962	2064	2065	577	149	613	1110	59	113	0	236	0	0	444	525	737	4561
52962	53327	2065	2066	578	149	614	1110	59	113	0	236	0	0	444	526	739	4568
53327	53692	2066	2067	579	149	615	1110	59	113	0	236	0	0	445	527	740	4574
53692	54057	2067	2068	581	149	615	1110	59	113	0	237	0	0	445	528	742	4580
54057	54423	2068	2069	582	150	616	1111	59	113	0	237	0	0	445	529	744	4586
54423	54788	2069	2070	583	150	617	1111	59	113	0	237	0	0	446	530	746	4591
54788	55153	2070	2071	584	150	618	1111	59	113	0	237	0	0	446	531	748	4596
55153	55518	2071	2072	585	150	619	1111	59	113	0	237	0	0	447	532	749	4602
55518	55884	2072	2073	586	150	619	1112	59	113	0	237	0	0	447	533	751	4607
55884	56249	2073	2074	587	150	620	1112	59	113	0	238	0	0	447	533	752	4611
56249	56614	2074	2075	588	151	621	1112	59	113	0	238	0	0	448	534	754	4616
56614	56979	2075	2076	588	151	621	1112	59	113	0	238	0	0	448	535	755	4621
56979	57345	2076	2077	589	151	622	1112	59	113	0	238	0	0	448	536	757	4625
57345	57710	2077	2078	590	151	622	1112	59	113	0	238	0	0	449	536	758	4629
57710	58075	2078	2079	591	151	623	1113	59	113	0	238	0	0	449	537	759	4634
58075	58440	2079	2080	592	151	624	1113	59	113	0	238	0	0	449	538	761	4638
58440	58806	2080	2081	592	152	624	1113	59	113	0	239	0	0	449	538	762	4642
58806	59171	2081	2082	593	152	625	1113	59	113	0	239	0	0	450	539	763	4645
59171	59536	2082	2083	594	152	625	1113	59	113	0	239	0	0	450	539	764	4649
59536	59901	2083	2084	595	152	626	1113	59	113	0	239	0	0	450	540	766	4653
59901	60267	2084	2085	595	152	626	1114	59	113	0	239	0	0	450	541	767	4656
60267	60632	2085	2086	596	152	627	1114	59	113	0	239	0	0	451	541	768	4659
60632	60997	2086	2087	597	152	627	1114	59	113	0	239	0	0	451	542	769	4663
60997	61362	2087	2088	597	152	628	1114	59	113	0	239	0	0	451	542	770	4666
61362	61728	2088	2089	598	153	628	1114	59	113	0	239	0	0	451	543	771	4669
61728	62093	2089	2090	598	153	628	1114	59	113	0	240	0	0	452	543	772	4672
62093	62458	2090	2091	599	153	629	1114	59	113	0	240	0	0	452	544	773	4675
62458	62823	2091	2092	599	153	629	1114	59	113	0	240	0	0	452	544	774	4678
62823	63189	2092	2093	600	153	630	1115	59	113	0	240	0	0	452	545	775	4681
63189	63554	2093	2094	600	153	630	1115	59	113	0	240	0	0	452	545	776	4684
63554	63919	2094	2095	601	153	630	1115	59	113	0	240	0	0	452	546	776	4686
63919	64284	2095	2096	601	153	631	1115	59	113	0	240	0	0	453	546	777	4689
64284	64650	2096	2097	602	153	631	1115	59	113	0	240	0	0	453	546	778	4692
64650	65015	2097	2098	602	153	631	1115	59	113	0	240	0	0	453	547	779	4694
65015	65380	2098	2099	603	153	632	1115	59	113	0	240	0	0	453	547	780	4697
65380	65745	2099	2100	603	154	632	1115	59	113	0	240	0	0	453	548	781	4699
65745	66110	2100	2101	604	154	632	1115	59	113	0	241	0	0	454	548	781	4701
66110	66475	2101	2102	604	154	633	1115	59	113	0	241	0	0	454	548	782	4704
66475	66840	2102	2103	605	154	633	1116	59	113	0	241	0	0	454	549	783	4706
66840	67205	2103	2104	605	154	633	1116	59	113	0	241	0	0	454	549	783	4708
67205	67571	2104	2105	605	154	634	1116	60	113	0	241	0	0	454	549	784	4710
67571	67936	2105	2106	606	154	634	1116	60	113	0	241	0	0	454	550	785	4712
67936	68301	2106	2107	606	154	634	1116	60	113	0	241	0	0	454	550	786	4714
68301	68666	2107	2108	607	154	634	1116	60	113	0	241	0	0	455	550	786	4716
68666	69032	2108	2109	607	154	635	1116	60	113	0	241	0	0	455	551	787	4718
69032	69397	2109	2110	607	154	635	1116	60	113	0	241	0	0	455	551	787	4720
69397	69762	2110	2111	608	154	635	1116	60	113	0	241	0	0	455	551	788	4722

B-4a (S4). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.1	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.4	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.8
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.7	8.1	8.1	84.2
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.7	8.3	8.4	83.5
30681	31047	2004	2005	11.2	2.4	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.8	8.5	8.6	82.9
31047	31412	2005	2006	10.9	2.3	8.0	20.9	1.5	3.1	0.0	5.3	0.0	0.0	12.9	8.7	8.7	82.4
31412	31777	2006	2007	10.8	2.2	7.7	20.8	1.5	3.1	0.0	5.3	0.0	0.0	12.9	8.8	8.9	82.1
31777	32142	2007	2008	10.7	2.2	7.6	20.8	1.5	3.1	0.0	5.3	0.0	0.0	12.7	9.0	9.1	82.1
32142	32508	2008	2009	10.8	2.2	7.6	20.8	1.5	3.1	0.0	5.4	0.0	0.0	12.7	9.1	9.2	82.4
32508	32873	2009	2010	10.8	2.2	7.5	20.8	1.5	3.1	0.0	5.4	0.0	0.0	12.8	9.3	9.4	82.9
32873	33238	2010	2011	10.9	2.2	7.5	20.8	1.5	3.1	0.0	5.5	0.0	0.0	13.0	9.4	9.5	83.6
33238	33603	2011	2012	11.1	2.3	7.8	20.9	1.5	3.1	0.0	5.6	0.0	0.0	13.1	9.6	9.7	84.7
33603	33969	2012	2013	11.5	2.4	8.1	20.9	1.5	3.1	0.0	5.6	0.0	0.0	13.2	9.8	9.9	85.9
33969	34334	2013	2014	11.9	2.5	8.5	21.0	1.6	3.1	0.0	5.6	0.0	0.0	13.3	9.9	10.0	87.2
34334	34699	2014	2015	12.5	2.6	8.9	21.1	1.6	3.1	0.0	5.7	0.0	0.0	13.4	10.0	10.1	89.0
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

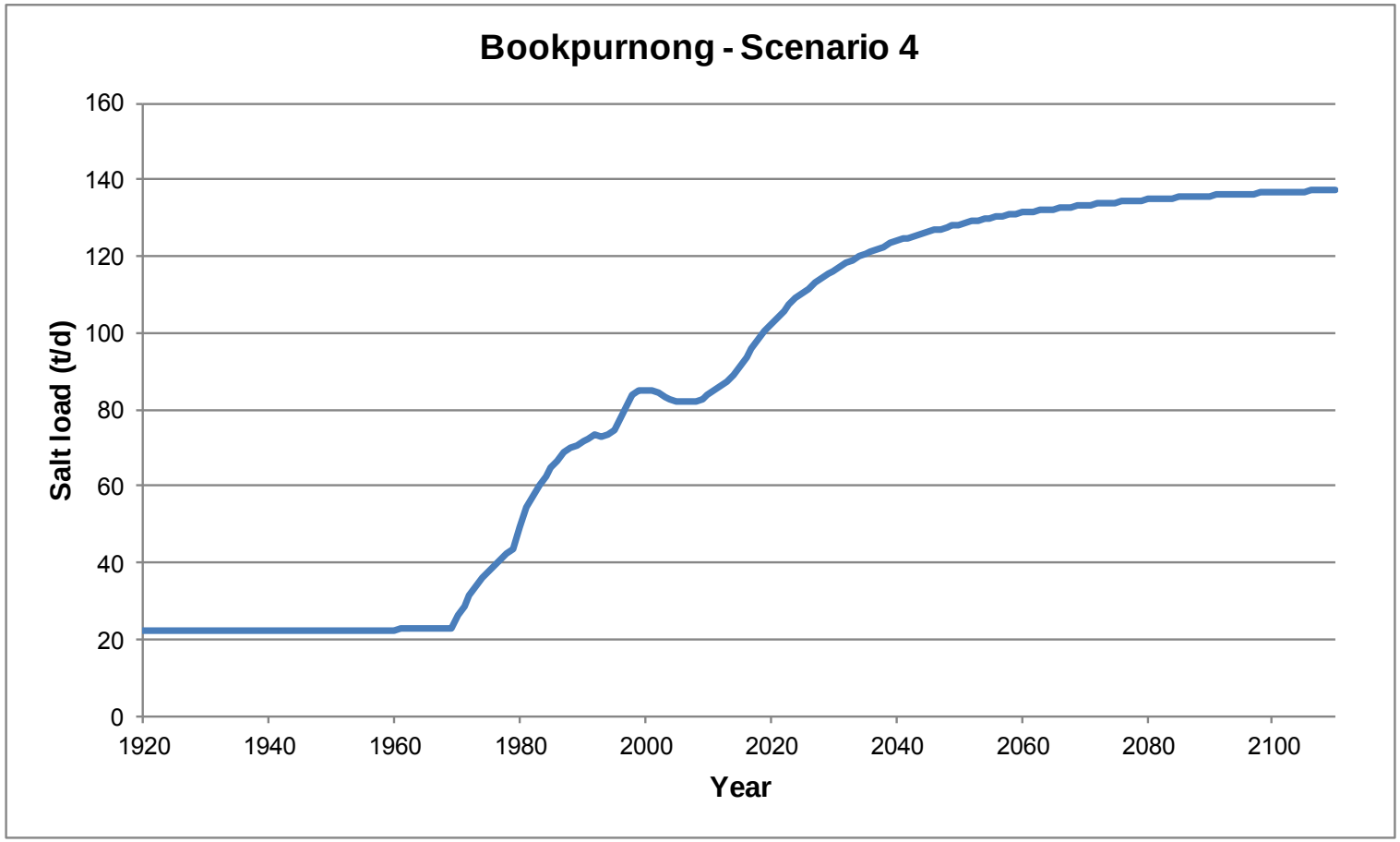
B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	13.3	2.7	9.3	21.1	1.6	3.1	0.0	5.7	0.0	0.0	13.5	10.2	10.7	91.3
35064	35430	2016	2017	13.9	2.8	9.6	21.2	1.6	3.1	0.0	5.8	0.0	0.0	13.6	10.6	11.6	93.8
35430	35795	2017	2018	14.4	2.9	9.9	21.3	1.6	3.1	0.0	5.8	0.0	0.0	13.8	11.0	12.4	96.1
35795	36160	2018	2019	14.8	3.0	10.1	21.3	1.6	3.1	0.0	5.9	0.0	0.0	13.9	11.4	13.2	98.3
36160	36525	2019	2020	15.3	3.0	10.3	21.4	1.6	3.1	0.0	5.9	0.0	0.0	14.1	11.8	13.9	100.4
36525	36891	2020	2021	15.7	3.1	10.5	21.4	1.6	3.1	0.0	6.0	0.0	0.0	14.2	12.1	14.6	102.3
36891	37256	2021	2022	16.2	3.1	10.7	21.5	1.6	3.1	0.0	6.0	0.0	0.0	14.4	12.4	15.2	104.2
37256	37621	2022	2023	16.6	3.2	10.8	21.5	1.6	3.1	0.0	6.1	0.0	0.0	14.5	12.8	15.7	105.9
37621	37986	2023	2024	17.0	3.2	11.0	21.6	1.6	3.1	0.0	6.1	0.0	0.0	14.7	13.0	16.2	107.5
37986	38352	2024	2025	17.3	3.3	11.1	21.6	1.6	3.1	0.0	6.2	0.0	0.0	14.8	13.3	16.6	109.0
38352	38717	2025	2026	17.7	3.3	11.3	21.6	1.6	3.1	0.0	6.2	0.0	0.0	14.9	13.6	17.0	110.4
38717	39082	2026	2027	18.0	3.4	11.4	21.7	1.6	3.1	0.0	6.2	0.0	0.0	15.0	13.8	17.4	111.7
39082	39447	2027	2028	18.3	3.4	11.5	21.7	1.6	3.1	0.0	6.3	0.0	0.0	15.2	14.0	17.8	112.9
39447	39813	2028	2029	18.6	3.4	11.7	21.7	1.6	3.1	0.0	6.3	0.0	0.0	15.3	14.2	18.2	114.1
39813	40178	2029	2030	18.8	3.5	11.8	21.8	1.6	3.1	0.0	6.3	0.0	0.0	15.4	14.4	18.5	115.2
40178	40543	2030	2031	19.1	3.5	11.9	21.8	1.6	3.1	0.0	6.4	0.0	0.0	15.5	14.6	18.8	116.2
40543	40908	2031	2032	19.3	3.5	12.0	21.8	1.6	3.1	0.0	6.4	0.0	0.0	15.5	14.8	19.1	117.2
40908	41274	2032	2033	19.6	3.6	12.1	21.8	1.6	3.1	0.0	6.4	0.0	0.0	15.6	14.9	19.3	118.1
41274	41639	2033	2034	19.8	3.6	12.2	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.7	15.1	19.6	119.0
41639	42004	2034	2035	20.0	3.6	12.2	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.8	15.2	19.8	119.8
42004	42369	2035	2036	20.2	3.7	12.3	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.9	15.4	20.0	120.6
42369	42735	2036	2037	20.4	3.7	12.4	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.9	15.5	20.3	121.3
42735	43100	2037	2038	20.5	3.7	12.5	21.9	1.6	3.1	0.0	6.5	0.0	0.0	16.0	15.6	20.5	122.0
43100	43465	2038	2039	20.7	3.7	12.5	21.9	1.6	3.1	0.0	6.6	0.0	0.0	16.0	15.7	20.7	122.6
43465	43830	2039	2040	20.9	3.7	12.6	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.1	15.8	20.8	123.2
43830	44196	2040	2041	21.0	3.8	12.7	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.1	15.9	21.0	123.8
44196	44561	2041	2042	21.1	3.8	12.7	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.2	16.0	21.2	124.4
44561	44926	2042	2043	21.3	3.8	12.8	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.2	16.1	21.3	124.9
44926	45291	2043	2044	21.4	3.8	12.8	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.3	16.2	21.5	125.4
45291	45657	2044	2045	21.5	3.8	12.9	22.0	1.6	3.1	0.0	6.7	0.0	0.0	16.3	16.3	21.6	125.9
45657	46022	2045	2046	21.6	3.8	12.9	22.0	1.6	3.1	0.0	6.7	0.0	0.0	16.4	16.3	21.8	126.4
46022	46387	2046	2047	21.7	3.8	13.0	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.4	16.4	21.9	126.8
46387	46752	2047	2048	21.9	3.9	13.0	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.4	16.5	22.0	127.2
46752	47118	2048	2049	22.0	3.9	13.0	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.5	16.6	22.2	127.6
47118	47483	2049	2050	22.0	3.9	13.1	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.5	16.6	22.3	128.0
47483	47848	2050	2051	22.1	3.9	13.1	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.5	16.7	22.4	128.4
47848	48213	2051	2052	22.2	3.9	13.1	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.6	16.7	22.5	128.7
48213	48579	2052	2053	22.3	3.9	13.2	22.1	1.6	3.1	0.0	6.8	0.0	0.0	16.6	16.8	22.6	129.1
48579	48944	2053	2054	22.4	3.9	13.2	22.1	1.6	3.1	0.0	6.8	0.0	0.0	16.6	16.9	22.7	129.4
48944	49309	2054	2055	22.5	3.9	13.2	22.1	1.6	3.1	0.0	6.8	0.0	0.0	16.7	16.9	22.8	129.7
49309	49674	2055	2056	22.5	3.9	13.3	22.1	1.6	3.2	0.0	6.8	0.0	0.0	16.7	17.0	22.9	130.0
49674	50040	2056	2057	22.6	4.0	13.3	22.1	1.6	3.2	0.0	6.8	0.0	0.0	16.7	17.0	23.0	130.3
50040	50405	2057	2058	22.7	4.0	13.3	22.2	1.6	3.2	0.0	6.8	0.0	0.0	16.7	17.1	23.1	130.5
50405	50770	2058	2059	22.7	4.0	13.3	22.2	1.6	3.2	0.0	6.8	0.0	0.0	16.7	17.1	23.1	130.8
50770	51135	2059	2060	22.8	4.0	13.4	22.2	1.6	3.2	0.0	6.8	0.0	0.0	16.8	17.1	23.2	131.1
51135	51501	2060	2061	22.9	4.0	13.4	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.2	23.3	131.3
51501	51866	2061	2062	22.9	4.0	13.4	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.2	23.4	131.5
51866	52231	2062	2063	23.0	4.0	13.4	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.3	23.4	131.8
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	23.0	4.0	13.5	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.3	23.5	132.0
52596	52962	2064	2065	23.1	4.0	13.5	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.9	17.3	23.6	132.2
52962	53327	2065	2066	23.1	4.0	13.5	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.9	17.4	23.6	132.4
53327	53692	2066	2067	23.2	4.0	13.5	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.4	23.7	132.6
53692	54057	2067	2068	23.2	4.0	13.5	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.4	23.8	132.8
54057	54423	2068	2069	23.3	4.0	13.6	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.5	23.8	133.0
54423	54788	2069	2070	23.3	4.0	13.6	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.5	23.9	133.1
54788	55153	2070	2071	23.4	4.0	13.6	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.5	23.9	133.3
55153	55518	2071	2072	23.4	4.1	13.6	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.5	24.0	133.5
55518	55884	2072	2073	23.4	4.1	13.6	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.6	24.0	133.6
55884	56249	2073	2074	23.5	4.1	13.6	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.6	24.1	133.8
56249	56614	2074	2075	23.5	4.1	13.7	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.6	24.1	133.9
56614	56979	2075	2076	23.5	4.1	13.7	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.6	24.2	134.1
56979	57345	2076	2077	23.6	4.1	13.7	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.7	24.2	134.2
57345	57710	2077	2078	23.6	4.1	13.7	22.2	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.7	24.3	134.4
57710	58075	2078	2079	23.6	4.1	13.7	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.7	24.3	134.5
58075	58440	2079	2080	23.7	4.1	13.7	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.7	24.3	134.6
58440	58806	2080	2081	23.7	4.1	13.7	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.8	24.4	134.7
58806	59171	2081	2082	23.7	4.1	13.7	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.8	24.4	134.9
59171	59536	2082	2083	23.8	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.8	24.5	135.0
59536	59901	2083	2084	23.8	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.8	24.5	135.1
59901	60267	2084	2085	23.8	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.8	24.5	135.2
60267	60632	2085	2086	23.8	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.9	24.6	135.3
60632	60997	2086	2087	23.9	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.9	24.6	135.4
60997	61362	2087	2088	23.9	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.9	24.6	135.5
61362	61728	2088	2089	23.9	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.9	24.7	135.6
61728	62093	2089	2090	23.9	4.1	13.8	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.2	17.9	24.7	135.7
62093	62458	2090	2091	24.0	4.1	13.8	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	17.9	24.7	135.8
62458	62823	2091	2092	24.0	4.1	13.8	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.8	135.9
62823	63189	2092	2093	24.0	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.8	136.0
63189	63554	2093	2094	24.0	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.8	136.1
63554	63919	2094	2095	24.0	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.8	136.2
63919	64284	2095	2096	24.1	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.9	136.3
64284	64650	2096	2097	24.1	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.9	136.3
64650	65015	2097	2098	24.1	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.0	24.9	136.4
65015	65380	2098	2099	24.1	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.0	136.5
65380	65745	2099	2100	24.1	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.0	136.6
65745	66110	2100	2101	24.2	4.1	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.0	136.6
66110	66475	2101	2102	24.2	4.2	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.0	136.7
66475	66840	2102	2103	24.2	4.2	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.0	136.8
66840	67205	2103	2104	24.2	4.2	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.1	25.1	136.9
67205	67571	2104	2105	24.2	4.2	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.1	25.1	136.9
67571	67936	2105	2106	24.2	4.2	13.9	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.1	25.1	137.0
67936	68301	2106	2107	24.2	4.2	14.0	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.2	25.1	137.1
68301	68666	2107	2108	24.3	4.2	14.0	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.2	25.2	137.1
68666	69032	2108	2109	24.3	4.2	14.0	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.2	25.2	137.2
69032	69397	2109	2110	24.3	4.2	14.0	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.2	25.2	137.2
69397	69762	2110	2111	24.3	4.2	14.0	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.2	25.2	137.3
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S4). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 4) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	70	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1038	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	171	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	467	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3133
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	333	241	243	3113
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	333	246	253	3083
30316	30681	2003	2004	283	90	404	1072	55	111	0	183	0	0	335	251	261	3047
30681	31047	2004	2005	279	87	383	1059	55	111	0	183	0	0	337	256	268	3019
31047	31412	2005	2006	273	84	361	1045	55	111	0	183	0	0	341	262	273	2989
31412	31777	2006	2007	270	82	350	1039	55	111	0	183	0	0	339	268	278	2975
31777	32142	2007	2008	268	81	345	1042	55	111	0	183	0	0	335	272	283	2976
32142	32508	2008	2009	269	81	343	1042	55	111	0	185	0	0	335	276	288	2985
32508	32873	2009	2010	271	81	343	1042	55	111	0	187	0	0	337	280	293	3000
32873	33238	2010	2011	273	81	342	1041	55	111	0	189	0	0	341	286	298	3019
33238	33603	2011	2012	278	84	356	1043	55	111	0	192	0	0	344	292	303	3059
33603	33969	2012	2013	287	87	370	1045	55	111	0	193	0	0	347	296	308	3100
33969	34334	2013	2014	297	92	384	1048	55	111	0	195	0	0	349	300	313	3143
34334	34699	2014	2015	314	96	405	1053	56	111	0	196	0	0	352	304	317	3204

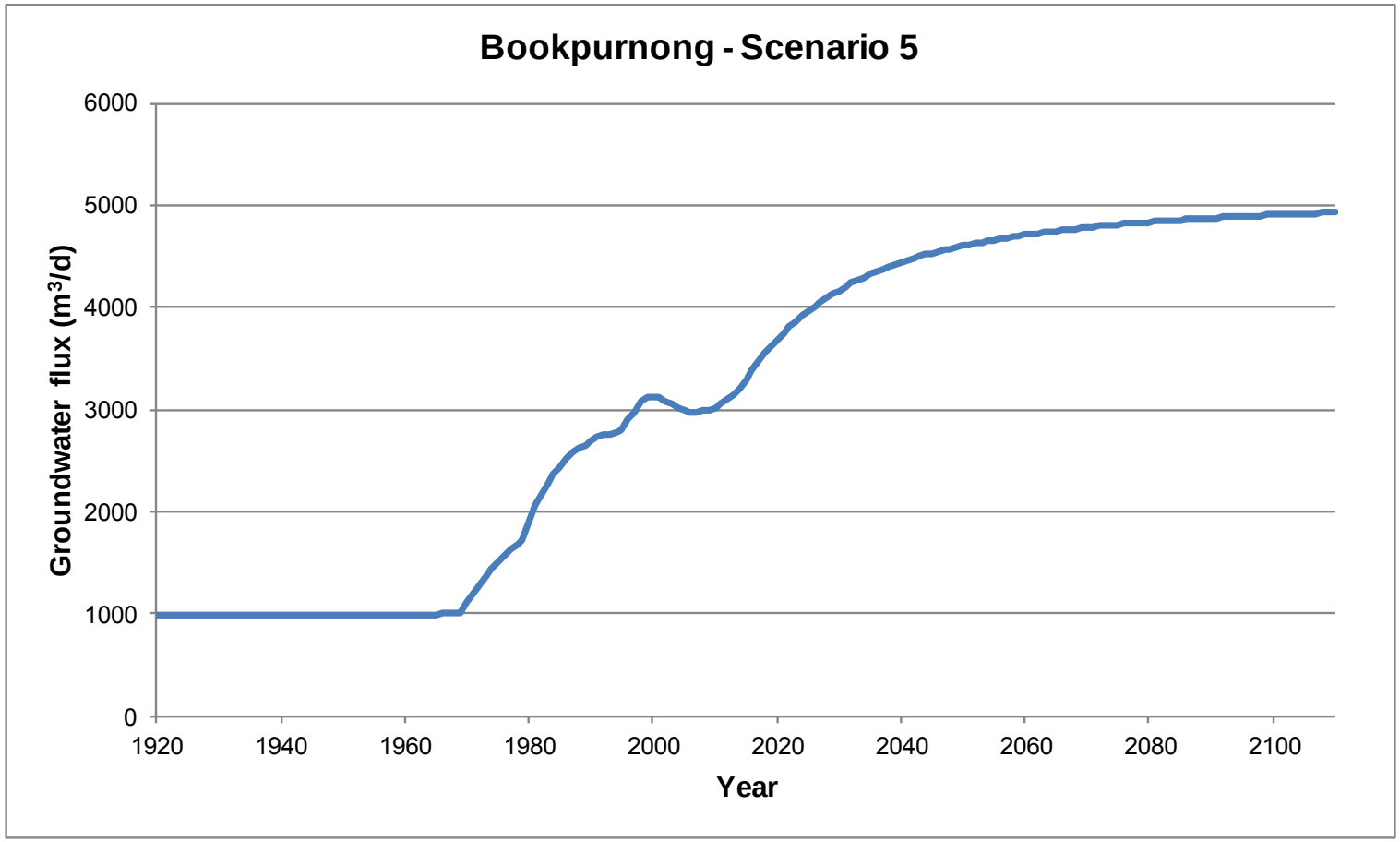
B-4a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	335	103	436	1058	56	111	0	197	0	0	355	310	335	3296
35064	35430	2016	2017	350	108	455	1061	56	111	0	199	0	0	358	322	364	3385
35430	35795	2017	2018	364	111	469	1065	56	112	0	201	0	0	362	334	394	3467
35795	36160	2018	2019	376	114	481	1068	56	112	0	203	0	0	366	346	421	3543
36160	36525	2019	2020	389	117	491	1071	56	112	0	205	0	0	371	359	446	3615
36525	36891	2020	2021	400	119	500	1073	57	112	0	207	0	0	375	370	469	3682
36891	37256	2021	2022	412	121	509	1076	57	112	0	208	0	0	379	381	490	3745
37256	37621	2022	2023	422	123	517	1078	57	112	0	210	0	0	384	392	509	3804
37621	37986	2023	2024	433	125	525	1080	57	112	0	212	0	0	388	401	527	3859
37986	38352	2024	2025	442	127	532	1082	57	112	0	213	0	0	391	410	544	3912
38352	38717	2025	2026	451	129	539	1084	57	112	0	215	0	0	395	419	560	3961
38717	39082	2026	2027	460	130	546	1086	57	112	0	216	0	0	399	427	574	4008
39082	39447	2027	2028	468	132	552	1088	57	112	0	218	0	0	402	434	588	4051
39447	39813	2028	2029	476	133	558	1090	58	112	0	219	0	0	405	441	601	4092
39813	40178	2029	2030	484	135	563	1091	58	112	0	220	0	0	408	448	613	4131
40178	40543	2030	2031	491	136	569	1093	58	112	0	221	0	0	410	454	624	4167
40543	40908	2031	2032	497	137	573	1094	58	112	0	223	0	0	413	460	635	4202
40908	41274	2032	2033	503	139	578	1095	58	112	0	224	0	0	415	465	645	4234
41274	41639	2033	2034	509	140	583	1097	58	112	0	225	0	0	418	470	654	4265
41639	42004	2034	2035	515	141	587	1098	58	112	0	226	0	0	420	475	663	4294
42004	42369	2035	2036	520	142	591	1099	58	112	0	226	0	0	422	480	672	4321
42369	42735	2036	2037	525	143	594	1100	58	112	0	227	0	0	424	484	680	4347
42735	43100	2037	2038	530	144	598	1101	58	112	0	228	0	0	425	488	687	4372
43100	43465	2038	2039	535	144	601	1102	58	112	0	229	0	0	427	492	695	4395
43465	43830	2039	2040	539	145	604	1103	58	112	0	230	0	0	429	496	702	4418
43830	44196	2040	2041	543	146	607	1104	59	112	0	230	0	0	430	499	708	4439
44196	44561	2041	2042	547	147	610	1104	59	112	0	231	0	0	432	503	715	4459
44561	44926	2042	2043	551	147	613	1105	59	112	0	231	0	0	433	506	721	4478
44926	45291	2043	2044	554	148	616	1106	59	112	0	232	0	0	434	509	727	4497
45291	45657	2044	2045	558	149	618	1107	59	112	0	233	0	0	436	512	732	4514
45657	46022	2045	2046	561	149	620	1107	59	113	0	233	0	0	437	515	737	4531
46022	46387	2046	2047	564	150	623	1108	59	113	0	234	0	0	438	517	742	4547
46387	46752	2047	2048	567	150	625	1109	59	113	0	234	0	0	439	520	747	4562
46752	47118	2048	2049	570	151	627	1109	59	113	0	235	0	0	440	522	752	4577
47118	47483	2049	2050	572	151	629	1110	59	113	0	235	0	0	441	524	756	4590
47483	47848	2050	2051	575	152	631	1110	59	113	0	236	0	0	442	527	760	4604
47848	48213	2051	2052	577	152	633	1111	59	113	0	236	0	0	443	529	764	4617
48213	48579	2052	2053	580	153	634	1111	59	113	0	236	0	0	444	531	768	4629
48579	48944	2053	2054	582	153	636	1112	59	113	0	237	0	0	445	533	772	4641
48944	49309	2054	2055	584	154	638	1112	59	113	0	237	0	0	446	535	775	4652
49309	49674	2055	2056	586	154	639	1113	59	113	0	237	0	0	446	536	779	4663
49674	50040	2056	2057	588	154	641	1113	59	113	0	238	0	0	447	538	782	4673
50040	50405	2057	2058	590	155	642	1113	59	113	0	238	0	0	448	540	785	4683
50405	50770	2058	2059	592	155	643	1114	59	113	0	238	0	0	448	541	788	4693
50770	51135	2059	2060	594	155	645	1114	59	113	0	239	0	0	449	543	791	4702
51135	51501	2060	2061	595	156	646	1115	59	113	0	239	0	0	450	544	794	4711
51501	51866	2061	2062	597	156	647	1115	59	113	0	239	0	0	450	546	797	4719
51866	52231	2062	2063	599	156	648	1115	59	113	0	239	0	0	451	547	799	4728

B-4a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	600	157	649	1116	59	113	0	240	0	0	451	548	802	4736
52596	52962	2064	2065	602	157	650	1116	59	113	0	240	0	0	452	550	804	4743
52962	53327	2065	2066	603	157	651	1116	59	113	0	240	0	0	452	551	807	4751
53327	53692	2066	2067	605	157	652	1116	59	113	0	240	0	0	453	552	809	4758
53692	54057	2067	2068	606	158	653	1117	59	113	0	241	0	0	453	553	811	4765
54057	54423	2068	2069	607	158	654	1117	60	113	0	241	0	0	454	554	813	4771
54423	54788	2069	2070	608	158	655	1117	60	113	0	241	0	0	454	555	815	4778
54788	55153	2070	2071	610	158	656	1117	60	113	0	241	0	0	455	556	817	4784
55153	55518	2071	2072	611	159	657	1118	60	113	0	242	0	0	455	557	819	4790
55518	55884	2072	2073	612	159	658	1118	60	113	0	242	0	0	456	558	821	4796
55884	56249	2073	2074	613	159	658	1118	60	113	0	242	0	0	456	559	823	4802
56249	56614	2074	2075	614	159	659	1118	60	113	0	242	0	0	456	560	825	4807
56614	56979	2075	2076	615	159	660	1119	60	113	0	242	0	0	457	561	827	4813
56979	57345	2076	2077	616	160	661	1119	60	113	0	242	0	0	457	562	828	4818
57345	57710	2077	2078	617	160	661	1119	60	113	0	243	0	0	458	563	830	4823
57710	58075	2078	2079	618	160	662	1119	60	113	0	243	0	0	458	563	831	4827
58075	58440	2079	2080	619	160	663	1119	60	113	0	243	0	1	458	564	833	4832
58440	58806	2080	2081	620	160	663	1120	60	113	0	243	0	1	458	565	834	4837
58806	59171	2081	2082	621	160	664	1120	60	113	0	243	0	1	459	566	836	4841
59171	59536	2082	2083	621	161	665	1120	60	113	0	243	0	1	459	566	837	4845
59536	59901	2083	2084	622	161	665	1120	60	113	0	243	0	1	459	567	838	4850
59901	60267	2084	2085	623	161	666	1120	60	113	0	244	0	1	460	568	840	4854
60267	60632	2085	2086	624	161	666	1120	60	113	0	244	0	1	460	568	841	4858
60632	60997	2086	2087	624	161	667	1121	60	113	0	244	0	1	460	569	842	4861
60997	61362	2087	2088	625	161	667	1121	60	113	0	244	0	1	460	569	843	4865
61362	61728	2088	2089	626	161	668	1121	60	113	0	244	0	1	461	570	845	4869
61728	62093	2089	2090	627	161	668	1121	60	113	0	244	0	1	461	571	846	4872
62093	62458	2090	2091	627	162	669	1121	60	113	0	244	0	1	461	571	847	4876
62458	62823	2091	2092	628	162	669	1121	60	113	0	244	0	1	461	572	848	4879
62823	63189	2092	2093	628	162	670	1121	60	113	0	245	0	1	462	572	849	4882
63189	63554	2093	2094	629	162	670	1122	60	113	0	245	0	1	462	573	850	4885
63554	63919	2094	2095	630	162	671	1122	60	113	0	245	0	1	462	573	851	4888
63919	64284	2095	2096	630	162	671	1122	60	113	0	245	0	1	462	574	852	4891
64284	64650	2096	2097	631	162	671	1122	60	113	0	245	0	1	463	574	853	4894
64650	65015	2097	2098	631	162	672	1122	60	113	0	245	0	1	463	575	854	4897
65015	65380	2098	2099	632	162	672	1122	60	113	0	245	0	1	463	575	855	4900
65380	65745	2099	2100	632	163	673	1122	60	113	0	245	0	1	463	576	855	4903
65745	66110	2100	2101	633	163	673	1122	60	113	0	245	0	1	463	576	856	4905
66110	66475	2101	2102	633	163	673	1122	60	113	0	245	0	1	463	576	857	4908
66475	66840	2102	2103	634	163	674	1123	60	113	0	245	0	1	464	577	858	4911
66840	67205	2103	2104	634	163	674	1123	60	113	0	246	0	1	464	577	859	4913
67205	67571	2104	2105	635	163	674	1123	60	113	0	246	0	1	464	578	859	4915
67571	67936	2105	2106	635	163	675	1123	60	113	0	246	0	1	464	578	860	4918
67936	68301	2106	2107	636	163	675	1123	60	113	0	246	0	1	464	578	861	4920
68301	68666	2107	2108	636	163	675	1123	60	113	0	246	0	1	464	579	862	4922
68666	69032	2108	2109	637	163	676	1123	60	113	0	246	0	1	465	579	862	4925
69032	69397	2109	2110	637	163	676	1123	60	113	0	246	0	1	465	580	863	4927
69397	69762	2110	2111	637	163	676	1123	60	113	0	246	0	1	465	580	864	4929

B-4a (S5). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part4/4)



B-4a (S5). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong (Scenario 5)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.1	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.4	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.8
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.7	8.1	8.1	84.2
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.7	8.3	8.4	83.5
30681	31047	2004	2005	11.2	2.4	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.8	8.5	8.6	82.9
31047	31412	2005	2006	10.9	2.3	8.0	20.9	1.5	3.1	0.0	5.3	0.0	0.0	12.9	8.7	8.7	82.4
31412	31777	2006	2007	10.8	2.2	7.7	20.8	1.5	3.1	0.0	5.3	0.0	0.0	12.9	8.8	8.9	82.1
31777	32142	2007	2008	10.7	2.2	7.6	20.8	1.5	3.1	0.0	5.3	0.0	0.0	12.7	9.0	9.1	82.1
32142	32508	2008	2009	10.8	2.2	7.6	20.8	1.5	3.1	0.0	5.4	0.0	0.0	12.7	9.1	9.2	82.4
32508	32873	2009	2010	10.8	2.2	7.5	20.8	1.5	3.1	0.0	5.4	0.0	0.0	12.8	9.3	9.4	82.9
32873	33238	2010	2011	10.9	2.2	7.5	20.8	1.5	3.1	0.0	5.5	0.0	0.0	13.0	9.4	9.5	83.6
33238	33603	2011	2012	11.1	2.3	7.8	20.9	1.5	3.1	0.0	5.6	0.0	0.0	13.1	9.6	9.7	84.7
33603	33969	2012	2013	11.5	2.4	8.1	20.9	1.5	3.1	0.0	5.6	0.0	0.0	13.2	9.8	9.9	85.9
33969	34334	2013	2014	11.9	2.5	8.5	21.0	1.6	3.1	0.0	5.6	0.0	0.0	13.3	9.9	10.0	87.2
34334	34699	2014	2015	12.5	2.6	8.9	21.1	1.6	3.1	0.0	5.7	0.0	0.0	13.4	10.0	10.1	89.0
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

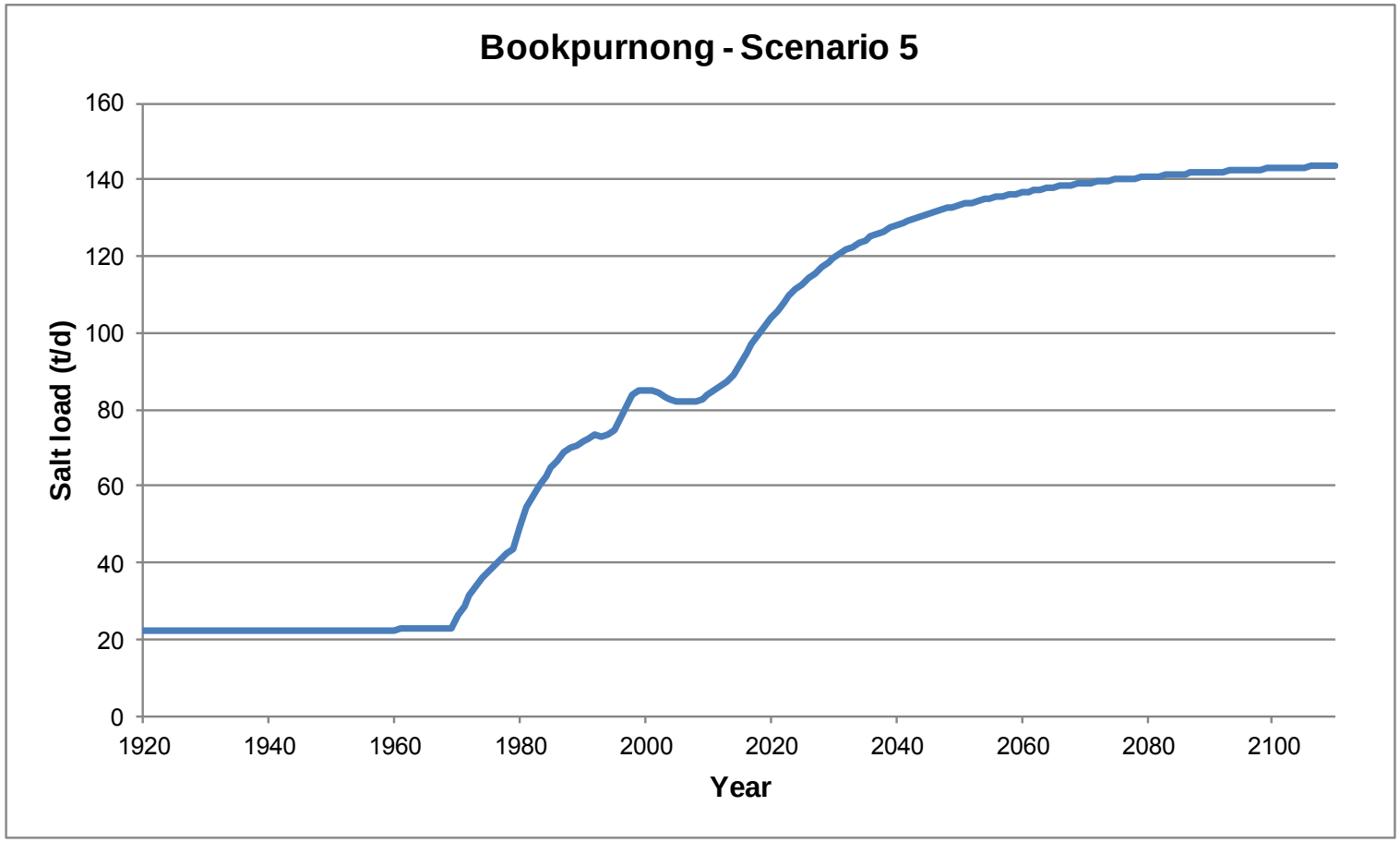
B-4b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	13.4	2.8	9.6	21.2	1.6	3.1	0.0	5.7	0.0	0.0	13.5	10.2	10.7	91.8
35064	35430	2016	2017	14.0	2.9	10.0	21.2	1.6	3.1	0.0	5.8	0.0	0.0	13.6	10.6	11.6	94.5
35430	35795	2017	2018	14.5	3.0	10.3	21.3	1.6	3.1	0.0	5.8	0.0	0.0	13.8	11.0	12.6	97.1
35795	36160	2018	2019	15.1	3.1	10.6	21.4	1.6	3.1	0.0	5.9	0.0	0.0	13.9	11.4	13.5	99.5
36160	36525	2019	2020	15.5	3.2	10.8	21.4	1.6	3.1	0.0	5.9	0.0	0.0	14.1	11.8	14.3	101.7
36525	36891	2020	2021	16.0	3.2	11.0	21.5	1.6	3.1	0.0	6.0	0.0	0.0	14.3	12.2	15.0	103.9
36891	37256	2021	2022	16.5	3.3	11.2	21.5	1.6	3.1	0.0	6.0	0.0	0.0	14.4	12.6	15.7	105.9
37256	37621	2022	2023	16.9	3.3	11.4	21.6	1.6	3.1	0.0	6.1	0.0	0.0	14.6	12.9	16.3	107.8
37621	37986	2023	2024	17.3	3.4	11.6	21.6	1.6	3.1	0.0	6.1	0.0	0.0	14.7	13.2	16.9	109.5
37986	38352	2024	2025	17.7	3.4	11.7	21.6	1.6	3.1	0.0	6.2	0.0	0.0	14.9	13.5	17.4	111.2
38352	38717	2025	2026	18.1	3.5	11.9	21.7	1.6	3.1	0.0	6.2	0.0	0.0	15.0	13.8	17.9	112.8
38717	39082	2026	2027	18.4	3.5	12.0	21.7	1.6	3.1	0.0	6.3	0.0	0.0	15.1	14.1	18.4	114.3
39082	39447	2027	2028	18.7	3.6	12.1	21.8	1.6	3.1	0.0	6.3	0.0	0.0	15.3	14.3	18.8	115.7
39447	39813	2028	2029	19.0	3.6	12.3	21.8	1.6	3.1	0.0	6.3	0.0	0.0	15.4	14.6	19.2	117.0
39813	40178	2029	2030	19.3	3.6	12.4	21.8	1.6	3.1	0.0	6.4	0.0	0.0	15.5	14.8	19.6	118.2
40178	40543	2030	2031	19.6	3.7	12.5	21.9	1.6	3.1	0.0	6.4	0.0	0.0	15.6	15.0	20.0	119.4
40543	40908	2031	2032	19.9	3.7	12.6	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.7	15.2	20.3	120.5
40908	41274	2032	2033	20.1	3.7	12.7	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.8	15.4	20.6	121.5
41274	41639	2033	2034	20.4	3.8	12.8	21.9	1.6	3.1	0.0	6.5	0.0	0.0	15.9	15.5	20.9	122.5
41639	42004	2034	2035	20.6	3.8	12.9	22.0	1.6	3.1	0.0	6.5	0.0	0.0	15.9	15.7	21.2	123.4
42004	42369	2035	2036	20.8	3.8	13.0	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.0	15.8	21.5	124.3
42369	42735	2036	2037	21.0	3.9	13.1	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.1	16.0	21.8	125.1
42735	43100	2037	2038	21.2	3.9	13.2	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.2	16.1	22.0	125.9
43100	43465	2038	2039	21.4	3.9	13.2	22.0	1.6	3.1	0.0	6.6	0.0	0.0	16.2	16.2	22.2	126.7
43465	43830	2039	2040	21.6	3.9	13.3	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.3	16.4	22.5	127.4
43830	44196	2040	2041	21.7	3.9	13.4	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.3	16.5	22.7	128.0
44196	44561	2041	2042	21.9	4.0	13.4	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.4	16.6	22.9	128.7
44561	44926	2042	2043	22.0	4.0	13.5	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.5	16.7	23.1	129.3
44926	45291	2043	2044	22.2	4.0	13.5	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.5	16.8	23.2	129.9
45291	45657	2044	2045	22.3	4.0	13.6	22.1	1.6	3.1	0.0	6.7	0.0	0.0	16.6	16.9	23.4	130.5
45657	46022	2045	2046	22.4	4.0	13.7	22.1	1.6	3.2	0.0	6.8	0.0	0.0	16.6	17.0	23.6	131.0
46022	46387	2046	2047	22.6	4.0	13.7	22.2	1.6	3.2	0.0	6.8	0.0	0.0	16.6	17.1	23.7	131.5
46387	46752	2047	2048	22.7	4.1	13.7	22.2	1.6	3.2	0.0	6.8	0.0	0.0	16.7	17.1	23.9	132.0
46752	47118	2048	2049	22.8	4.1	13.8	22.2	1.6	3.2	0.0	6.8	0.0	0.0	16.7	17.2	24.1	132.4
47118	47483	2049	2050	22.9	4.1	13.8	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.3	24.2	132.9
47483	47848	2050	2051	23.0	4.1	13.9	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.4	24.3	133.3
47848	48213	2051	2052	23.1	4.1	13.9	22.2	1.7	3.2	0.0	6.8	0.0	0.0	16.8	17.4	24.5	133.7
48213	48579	2052	2053	23.2	4.1	14.0	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.5	24.6	134.1
48579	48944	2053	2054	23.3	4.1	14.0	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.6	24.7	134.5
48944	49309	2054	2055	23.4	4.1	14.0	22.2	1.7	3.2	0.0	6.9	0.0	0.0	16.9	17.6	24.8	134.9
49309	49674	2055	2056	23.4	4.2	14.1	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.7	24.9	135.2
49674	50040	2056	2057	23.5	4.2	14.1	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.8	25.0	135.5
50040	50405	2057	2058	23.6	4.2	14.1	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.8	25.1	135.8
50405	50770	2058	2059	23.7	4.2	14.2	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.0	17.9	25.2	136.1
50770	51135	2059	2060	23.8	4.2	14.2	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	17.9	25.3	136.4
51135	51501	2060	2061	23.8	4.2	14.2	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	18.0	25.4	136.7
51501	51866	2061	2062	23.9	4.2	14.2	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	18.0	25.5	137.0
51866	52231	2062	2063	23.9	4.2	14.3	22.3	1.7	3.2	0.0	6.9	0.0	0.0	17.1	18.0	25.6	137.3
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	24.0	4.2	14.3	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.7	137.5
52596	52962	2064	2065	24.1	4.2	14.3	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.1	25.7	137.8
52962	53327	2065	2066	24.1	4.2	14.3	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.2	25.8	138.0
53327	53692	2066	2067	24.2	4.3	14.4	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.2	25.9	138.2
53692	54057	2067	2068	24.2	4.3	14.4	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.2	26.0	138.5
54057	54423	2068	2069	24.3	4.3	14.4	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.2	18.3	26.0	138.7
54423	54788	2069	2070	24.3	4.3	14.4	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.3	26.1	138.9
54788	55153	2070	2071	24.4	4.3	14.4	22.3	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.4	26.2	139.1
55153	55518	2071	2072	24.4	4.3	14.5	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.4	26.2	139.3
55518	55884	2072	2073	24.5	4.3	14.5	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.4	26.3	139.5
55884	56249	2073	2074	24.5	4.3	14.5	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.5	26.3	139.6
56249	56614	2074	2075	24.6	4.3	14.5	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.3	18.5	26.4	139.8
56614	56979	2075	2076	24.6	4.3	14.5	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.4	18.5	26.5	140.0
56979	57345	2076	2077	24.6	4.3	14.5	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.4	18.5	26.5	140.1
57345	57710	2077	2078	24.7	4.3	14.6	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.4	18.6	26.6	140.3
57710	58075	2078	2079	24.7	4.3	14.6	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.4	18.6	26.6	140.5
58075	58440	2079	2080	24.8	4.3	14.6	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.4	18.6	26.7	140.6
58440	58806	2080	2081	24.8	4.3	14.6	22.4	1.7	3.2	0.0	7.0	0.0	0.0	17.4	18.6	26.7	140.7
58806	59171	2081	2082	24.8	4.3	14.6	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.4	18.7	26.7	140.9
59171	59536	2082	2083	24.9	4.3	14.6	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.4	18.7	26.8	141.0
59536	59901	2083	2084	24.9	4.3	14.6	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.7	26.8	141.2
59901	60267	2084	2085	24.9	4.3	14.6	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.7	26.9	141.3
60267	60632	2085	2086	24.9	4.3	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.8	26.9	141.4
60632	60997	2086	2087	25.0	4.3	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.8	27.0	141.5
60997	61362	2087	2088	25.0	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.8	27.0	141.7
61362	61728	2088	2089	25.0	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.8	27.0	141.8
61728	62093	2089	2090	25.1	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.8	27.1	141.9
62093	62458	2090	2091	25.1	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.8	27.1	142.0
62458	62823	2091	2092	25.1	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.9	27.1	142.1
62823	63189	2092	2093	25.1	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.5	18.9	27.2	142.2
63189	63554	2093	2094	25.2	4.4	14.7	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	18.9	27.2	142.3
63554	63919	2094	2095	25.2	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	18.9	27.2	142.4
63919	64284	2095	2096	25.2	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	18.9	27.3	142.5
64284	64650	2096	2097	25.2	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.3	142.6
64650	65015	2097	2098	25.3	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.3	142.7
65015	65380	2098	2099	25.3	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.3	142.8
65380	65745	2099	2100	25.3	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.4	142.9
65745	66110	2100	2101	25.3	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.4	142.9
66110	66475	2101	2102	25.3	4.4	14.8	22.4	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.4	143.0
66475	66840	2102	2103	25.4	4.4	14.8	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.0	27.5	143.1
66840	67205	2103	2104	25.4	4.4	14.8	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.1	27.5	143.2
67205	67571	2104	2105	25.4	4.4	14.8	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.1	27.5	143.3
67571	67936	2105	2106	25.4	4.4	14.8	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.1	27.5	143.3
67936	68301	2106	2107	25.4	4.4	14.8	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.1	27.6	143.4
68301	68666	2107	2108	25.4	4.4	14.9	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.6	19.1	27.6	143.5
68666	69032	2108	2109	25.5	4.4	14.9	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.7	19.1	27.6	143.6
69032	69397	2109	2110	25.5	4.4	14.9	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.7	19.1	27.6	143.6
69397	69762	2110	2111	25.5	4.4	14.9	22.5	1.7	3.2	0.0	7.1	0.0	0.0	17.7	19.1	27.6	143.7
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S5). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 5) (Part4/4)



B-4b (S5). Graph of modelled salt load (t/d) entering the River Murray in Bookpurnong (Scenario 5)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	69	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	117	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2366
23742	24107	1985	1986	262	67	275	1039	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	170	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	468	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3133
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	333	241	243	3114
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	333	246	253	3083
30316	30681	2003	2004	283	90	404	1072	55	111	0	183	0	0	335	251	261	3047
30681	31047	2004	2005	279	87	383	1059	55	111	0	183	0	0	337	256	268	3019
31047	31412	2005	2006	273	84	361	975	0	111	0	0	0	0	0	0	0	1805
31412	31777	2006	2007	206	0	0	464	0	111	0	0	0	0	0	0	0	781
31777	32142	2007	2008	194	0	0	463	0	111	0	0	0	0	0	0	0	768
32142	32508	2008	2009	188	0	0	463	0	111	0	0	0	0	0	0	0	761
32508	32873	2009	2010	184	0	0	462	0	111	0	0	0	0	0	0	0	757
32873	33238	2010	2011	182	0	0	462	0	111	0	0	0	0	0	0	0	755
33238	33603	2011	2012	183	0	0	462	0	111	0	0	0	0	0	0	0	757
33603	33969	2012	2013	188	0	0	462	0	111	0	0	0	0	0	0	0	761
33969	34334	2013	2014	194	0	0	462	0	111	0	0	0	0	0	0	0	767
34334	34699	2014	2015	206	0	0	463	0	111	0	0	0	0	0	0	0	780

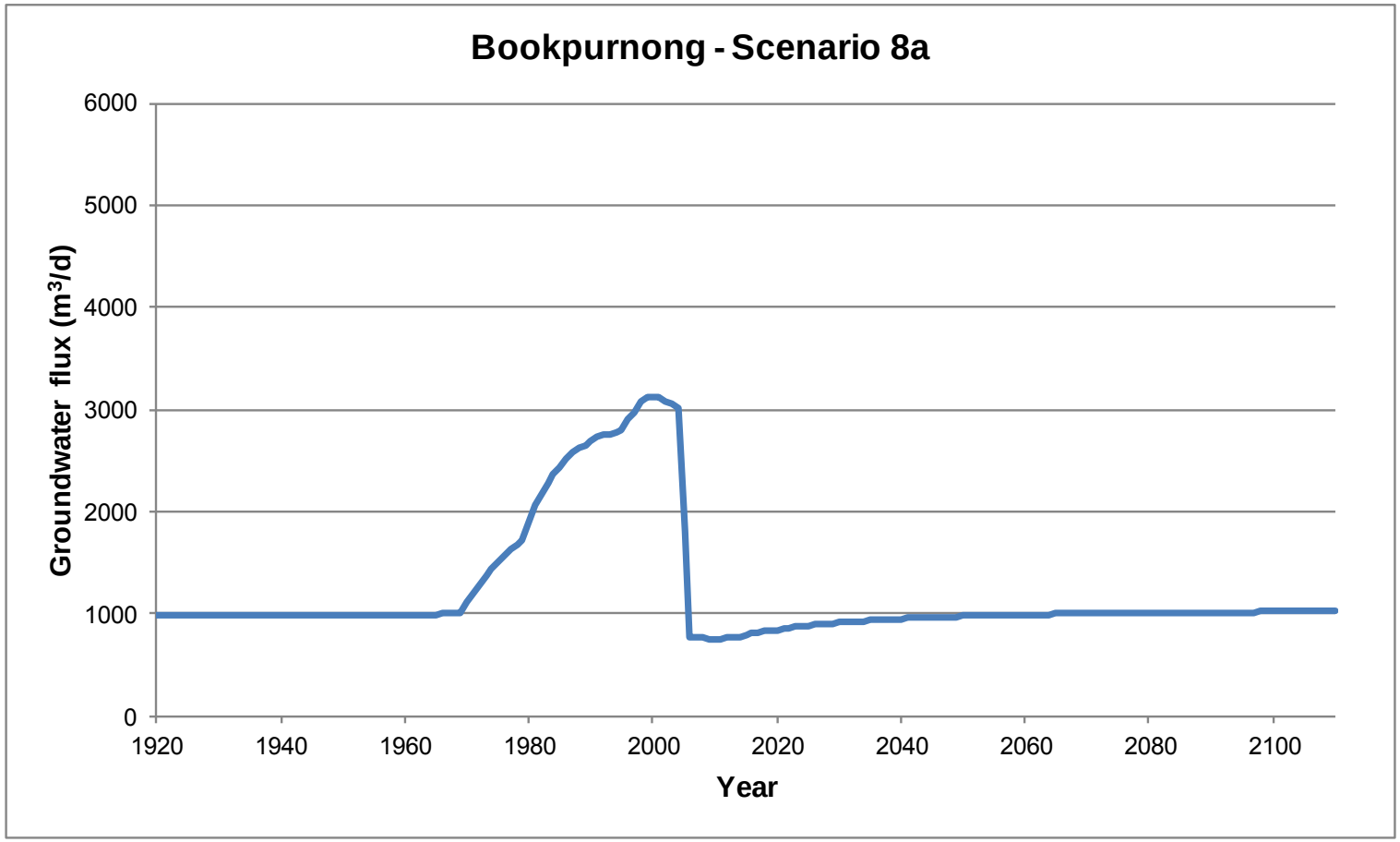
B-4a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	222	0	0	463	0	111	0	0	0	0	0	0	0	796
35064	35430	2016	2017	232	0	0	463	0	111	0	0	0	0	0	0	0	806
35430	35795	2017	2018	242	0	0	463	0	111	0	0	0	0	0	0	0	816
35795	36160	2018	2019	251	0	0	463	0	111	0	0	0	0	0	0	0	825
36160	36525	2019	2020	261	0	0	463	0	111	0	0	0	0	0	0	0	835
36525	36891	2020	2021	270	0	0	463	0	111	0	0	0	0	0	0	0	844
36891	37256	2021	2022	278	0	0	463	0	111	0	0	0	0	0	0	0	853
37256	37621	2022	2023	287	0	0	463	0	111	0	0	0	0	0	0	0	861
37621	37986	2023	2024	294	0	0	463	0	111	0	0	0	0	0	0	0	869
37986	38352	2024	2025	302	0	0	463	0	111	0	0	0	0	0	0	0	876
38352	38717	2025	2026	309	0	0	463	0	111	0	0	0	0	0	0	0	884
38717	39082	2026	2027	316	0	0	463	0	111	0	0	0	0	0	0	0	890
39082	39447	2027	2028	322	0	0	463	0	111	0	0	0	0	0	0	0	897
39447	39813	2028	2029	328	0	0	463	0	111	0	0	0	0	0	0	0	903
39813	40178	2029	2030	334	0	0	463	0	111	0	0	0	0	0	0	0	909
40178	40543	2030	2031	339	0	0	463	0	111	0	0	0	0	0	0	0	914
40543	40908	2031	2032	344	0	0	463	0	112	0	0	0	0	0	0	0	919
40908	41274	2032	2033	349	0	0	463	0	112	0	0	0	0	0	0	0	924
41274	41639	2033	2034	353	0	0	464	0	112	0	0	0	0	0	0	0	928
41639	42004	2034	2035	358	0	0	464	0	112	0	0	0	0	0	0	0	933
42004	42369	2035	2036	362	0	0	464	0	112	0	0	0	0	0	0	0	937
42369	42735	2036	2037	365	0	0	464	0	112	0	0	0	0	0	0	0	941
42735	43100	2037	2038	369	0	0	464	0	112	0	0	0	0	0	0	0	944
43100	43465	2038	2039	372	0	0	464	0	112	0	0	0	0	0	0	0	948
43465	43830	2039	2040	376	0	0	464	0	112	0	0	0	0	0	0	0	951
43830	44196	2040	2041	379	0	0	464	0	112	0	0	0	0	0	0	0	954
44196	44561	2041	2042	381	0	0	464	0	112	0	0	0	0	0	0	0	957
44561	44926	2042	2043	384	0	0	464	0	112	0	0	0	0	0	0	0	960
44926	45291	2043	2044	387	0	0	464	0	112	0	0	0	0	0	0	0	962
45291	45657	2044	2045	389	0	0	464	0	112	0	0	0	0	0	0	0	965
45657	46022	2045	2046	392	0	0	464	0	112	0	0	0	0	0	0	0	967
46022	46387	2046	2047	394	0	0	464	0	112	0	0	0	0	0	0	0	970
46387	46752	2047	2048	396	0	0	464	0	112	0	0	0	0	0	0	0	972
46752	47118	2048	2049	398	0	0	464	0	112	0	0	0	0	0	0	0	974
47118	47483	2049	2050	400	0	0	464	0	112	0	0	0	0	0	0	0	976
47483	47848	2050	2051	402	0	0	464	0	112	0	0	0	0	0	0	0	978
47848	48213	2051	2052	404	0	0	464	0	112	0	0	0	0	0	0	0	980
48213	48579	2052	2053	406	0	0	464	0	112	0	0	0	0	0	0	0	981
48579	48944	2053	2054	407	0	0	464	0	112	0	0	0	0	0	0	0	983
48944	49309	2054	2055	409	0	0	464	0	112	0	0	0	0	0	0	0	985
49309	49674	2055	2056	410	0	0	464	0	112	0	0	0	0	0	0	0	986
49674	50040	2056	2057	412	0	0	464	0	112	0	0	0	0	0	0	0	988
50040	50405	2057	2058	413	0	0	464	0	112	0	0	0	0	0	0	0	989
50405	50770	2058	2059	414	0	0	464	0	112	0	0	0	0	0	0	0	990
50770	51135	2059	2060	416	0	0	464	0	112	0	0	0	0	0	0	0	992
51135	51501	2060	2061	417	0	0	464	0	112	0	0	0	0	0	0	0	993
51501	51866	2061	2062	418	0	0	464	0	112	0	0	0	0	0	0	0	994
51866	52231	2062	2063	419	0	0	464	0	112	0	0	0	0	0	0	0	995

B-4a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	420	0	0	464	0	112	0	0	0	0	0	0	0	996
52596	52962	2064	2065	421	0	0	464	0	112	0	0	0	0	0	0	0	998
52962	53327	2065	2066	422	0	0	464	0	112	0	0	0	0	0	0	0	999
53327	53692	2066	2067	423	0	0	464	0	112	0	0	0	0	0	0	0	1000
53692	54057	2067	2068	424	0	0	464	0	112	0	0	0	0	0	0	0	1001
54057	54423	2068	2069	425	0	0	464	0	112	0	0	0	0	0	0	0	1001
54423	54788	2069	2070	426	0	0	464	0	112	0	0	0	0	0	0	0	1002
54788	55153	2070	2071	427	0	0	464	0	112	0	0	0	0	0	0	0	1003
55153	55518	2071	2072	428	0	0	464	0	112	0	0	0	0	0	0	0	1004
55518	55884	2072	2073	429	0	0	464	0	112	0	0	0	0	0	0	0	1005
55884	56249	2073	2074	429	0	0	464	0	112	0	0	0	0	0	0	0	1006
56249	56614	2074	2075	430	0	0	464	0	112	0	0	0	0	0	0	0	1006
56614	56979	2075	2076	431	0	0	464	0	112	0	0	0	0	0	0	0	1007
56979	57345	2076	2077	432	0	0	464	0	112	0	0	0	0	0	0	0	1008
57345	57710	2077	2078	432	0	0	464	0	112	0	0	0	0	0	0	0	1009
57710	58075	2078	2079	433	0	0	464	0	112	0	0	0	0	0	0	0	1009
58075	58440	2079	2080	434	0	0	464	0	112	0	0	0	0	0	0	0	1010
58440	58806	2080	2081	434	0	0	464	0	112	0	0	0	0	0	0	0	1011
58806	59171	2081	2082	435	0	0	464	0	112	0	0	0	0	0	0	0	1011
59171	59536	2082	2083	435	0	0	464	0	112	0	0	0	0	0	0	0	1012
59536	59901	2083	2084	436	0	0	464	0	112	0	0	0	0	0	0	0	1012
59901	60267	2084	2085	436	0	0	464	0	112	0	0	0	0	0	0	0	1013
60267	60632	2085	2086	437	0	0	464	0	112	0	0	0	0	0	0	0	1013
60632	60997	2086	2087	438	0	0	464	0	112	0	0	0	0	0	0	0	1014
60997	61362	2087	2088	438	0	0	464	0	112	0	0	0	0	0	0	0	1014
61362	61728	2088	2089	439	0	0	464	0	112	0	0	0	0	0	0	0	1015
61728	62093	2089	2090	439	0	0	464	0	112	0	0	0	0	0	0	0	1015
62093	62458	2090	2091	439	0	0	464	0	112	0	0	0	0	0	0	0	1016
62458	62823	2091	2092	440	0	0	464	0	112	0	0	0	0	0	0	0	1016
62823	63189	2092	2093	440	0	0	464	0	112	0	0	0	0	0	0	0	1017
63189	63554	2093	2094	441	0	0	464	0	112	0	0	0	0	0	0	0	1017
63554	63919	2094	2095	441	0	0	464	0	112	0	0	0	0	0	0	0	1018
63919	64284	2095	2096	442	0	0	464	0	112	0	0	0	0	0	0	0	1018
64284	64650	2096	2097	442	0	0	464	0	112	0	0	0	0	0	0	0	1019
64650	65015	2097	2098	442	0	0	464	0	112	0	0	0	0	0	0	0	1019
65015	65380	2098	2099	443	0	0	464	0	112	0	0	0	0	0	0	0	1019
65380	65745	2099	2100	443	0	0	464	0	112	0	0	0	0	0	0	0	1020
65745	66110	2100	2101	444	0	0	464	0	112	0	0	0	0	0	0	0	1020
66110	66475	2101	2102	444	0	0	464	0	112	0	0	0	0	0	0	0	1020
66475	66840	2102	2103	444	0	0	464	0	112	0	0	0	0	0	0	0	1021
66840	67205	2103	2104	445	0	0	464	0	112	0	0	0	0	0	0	0	1021
67205	67571	2104	2105	445	0	0	464	0	112	0	0	0	0	0	0	0	1022
67571	67936	2105	2106	445	0	0	464	0	112	0	0	0	0	0	0	0	1022
67936	68301	2106	2107	446	0	0	464	0	112	0	0	0	0	0	0	0	1022
68301	68666	2107	2108	446	0	0	464	0	112	0	0	0	0	0	0	0	1023
68666	69032	2108	2109	446	0	0	464	0	112	0	0	0	0	0	0	0	1023
69032	69397	2109	2110	446	0	0	464	0	112	0	0	0	0	0	0	0	1023
69397	69762	2110	2111	447	0	0	464	0	112	0	0	0	0	0	0	0	1023

B-4a (S8a). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.0	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.5	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.8
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.7	8.1	8.1	84.2
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.7	8.3	8.4	83.5
30681	31047	2004	2005	11.2	2.4	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.8	8.5	8.6	82.9
31047	31412	2005	2006	10.9	2.3	7.9	19.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8
31412	31777	2006	2007	8.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
31777	32142	2007	2008	7.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1
32142	32508	2008	2009	7.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
32508	32873	2009	2010	7.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7
32873	33238	2010	2011	7.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6
33238	33603	2011	2012	7.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7
33603	33969	2012	2013	7.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
33969	34334	2013	2014	7.7	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1
34334	34699	2014	2015	8.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

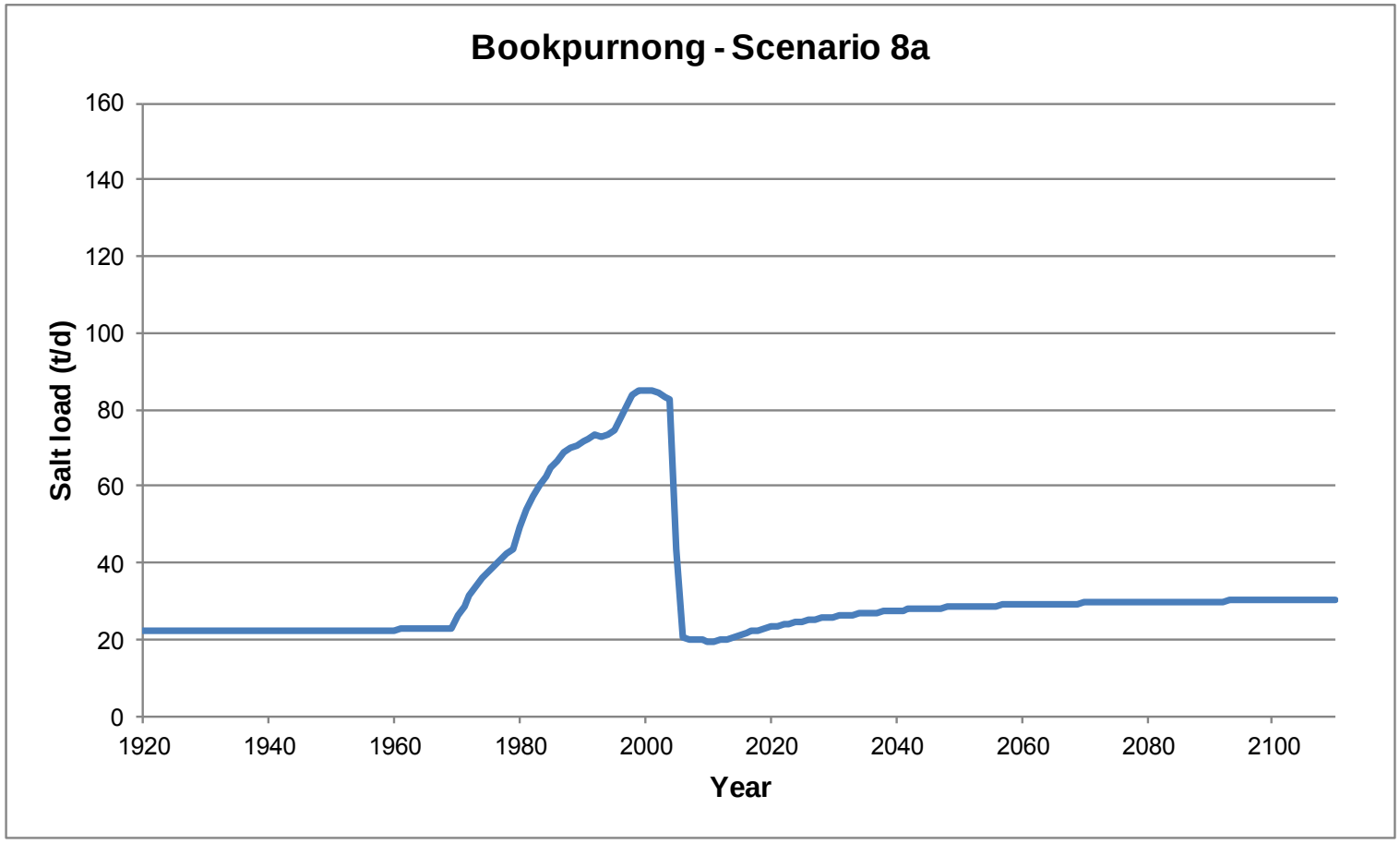
B-4b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	8.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2
35064	35430	2016	2017	9.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
35430	35795	2017	2018	9.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
35795	36160	2018	2019	10.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.4
36160	36525	2019	2020	10.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8
36525	36891	2020	2021	10.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2
36891	37256	2021	2022	11.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5
37256	37621	2022	2023	11.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8
37621	37986	2023	2024	11.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2
37986	38352	2024	2025	12.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5
38352	38717	2025	2026	12.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.7
38717	39082	2026	2027	12.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
39082	39447	2027	2028	12.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3
39447	39813	2028	2029	13.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.5
39813	40178	2029	2030	13.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7
40178	40543	2030	2031	13.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0
40543	40908	2031	2032	13.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2
40908	41274	2032	2033	14.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3
41274	41639	2033	2034	14.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5
41639	42004	2034	2035	14.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7
42004	42369	2035	2036	14.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9
42369	42735	2036	2037	14.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
42735	43100	2037	2038	14.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2
43100	43465	2038	2039	14.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3
43465	43830	2039	2040	15.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4
43830	44196	2040	2041	15.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5
44196	44561	2041	2042	15.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7
44561	44926	2042	2043	15.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8
44926	45291	2043	2044	15.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.9
45291	45657	2044	2045	15.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
45657	46022	2045	2046	15.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1
46022	46387	2046	2047	15.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2
46387	46752	2047	2048	15.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3
46752	47118	2048	2049	15.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3
47118	47483	2049	2050	16.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4
47483	47848	2050	2051	16.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5
47848	48213	2051	2052	16.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6
48213	48579	2052	2053	16.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6
48579	48944	2053	2054	16.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7
48944	49309	2054	2055	16.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8
49309	49674	2055	2056	16.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8
49674	50040	2056	2057	16.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9
50040	50405	2057	2058	16.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9
50405	50770	2058	2059	16.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0
50770	51135	2059	2060	16.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0
51135	51501	2060	2061	16.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.1
51501	51866	2061	2062	16.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.1
51866	52231	2062	2063	16.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	16.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2
52596	52962	2064	2065	16.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3
52962	53327	2065	2066	16.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3
53327	53692	2066	2067	16.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
53692	54057	2067	2068	17.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
54057	54423	2068	2069	17.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
54423	54788	2069	2070	17.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5
54788	55153	2070	2071	17.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5
55153	55518	2071	2072	17.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5
55518	55884	2072	2073	17.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6
55884	56249	2073	2074	17.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6
56249	56614	2074	2075	17.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6
56614	56979	2075	2076	17.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
56979	57345	2076	2077	17.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
57345	57710	2077	2078	17.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
57710	58075	2078	2079	17.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
58075	58440	2079	2080	17.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8
58440	58806	2080	2081	17.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8
58806	59171	2081	2082	17.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8
59171	59536	2082	2083	17.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8
59536	59901	2083	2084	17.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
59901	60267	2084	2085	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
60267	60632	2085	2086	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
60632	60997	2086	2087	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
60997	61362	2087	2088	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
61362	61728	2088	2089	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
61728	62093	2089	2090	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
62093	62458	2090	2091	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
62458	62823	2091	2092	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
62823	63189	2092	2093	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
63189	63554	2093	2094	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
63554	63919	2094	2095	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
63919	64284	2095	2096	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
64284	64650	2096	2097	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
64650	65015	2097	2098	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
65015	65380	2098	2099	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
65380	65745	2099	2100	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
65745	66110	2100	2101	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
66110	66475	2101	2102	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
66475	66840	2102	2103	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
66840	67205	2103	2104	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
67205	67571	2104	2105	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
67571	67936	2105	2106	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
67936	68301	2106	2107	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
68301	68666	2107	2108	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
68666	69032	2108	2109	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
69032	69397	2109	2110	17.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
69397	69762	2110	2111	17.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8a). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8a) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	70	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1894
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1039	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	171	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	468	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3132
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	332	239	242	3110
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	331	242	252	3074
30316	30681	2003	2004	283	90	404	1072	55	111	0	182	0	0	331	245	258	3031
30681	31047	2004	2005	278	87	382	1058	55	111	0	181	0	0	331	247	263	2993
31047	31412	2005	2006	271	84	359	974	0	111	0	0	0	0	0	0	0	1798
31412	31777	2006	2007	202	0	0	464	0	111	0	0	0	0	0	0	0	777
31777	32142	2007	2008	189	0	0	463	0	111	0	0	0	0	0	0	0	763
32142	32508	2008	2009	181	0	0	463	0	111	0	0	0	0	0	0	0	754
32508	32873	2009	2010	174	0	0	462	0	111	0	0	0	0	0	0	0	747
32873	33238	2010	2011	170	0	0	462	0	111	0	0	0	0	0	0	0	743
33238	33603	2011	2012	166	0	0	462	0	111	0	0	0	0	0	0	0	739
33603	33969	2012	2013	163	0	0	462	0	111	0	0	0	0	0	0	0	736
33969	34334	2013	2014	161	0	0	462	0	111	0	0	0	0	0	0	0	734
34334	34699	2014	2015	160	0	0	462	0	111	0	0	0	0	0	0	0	733

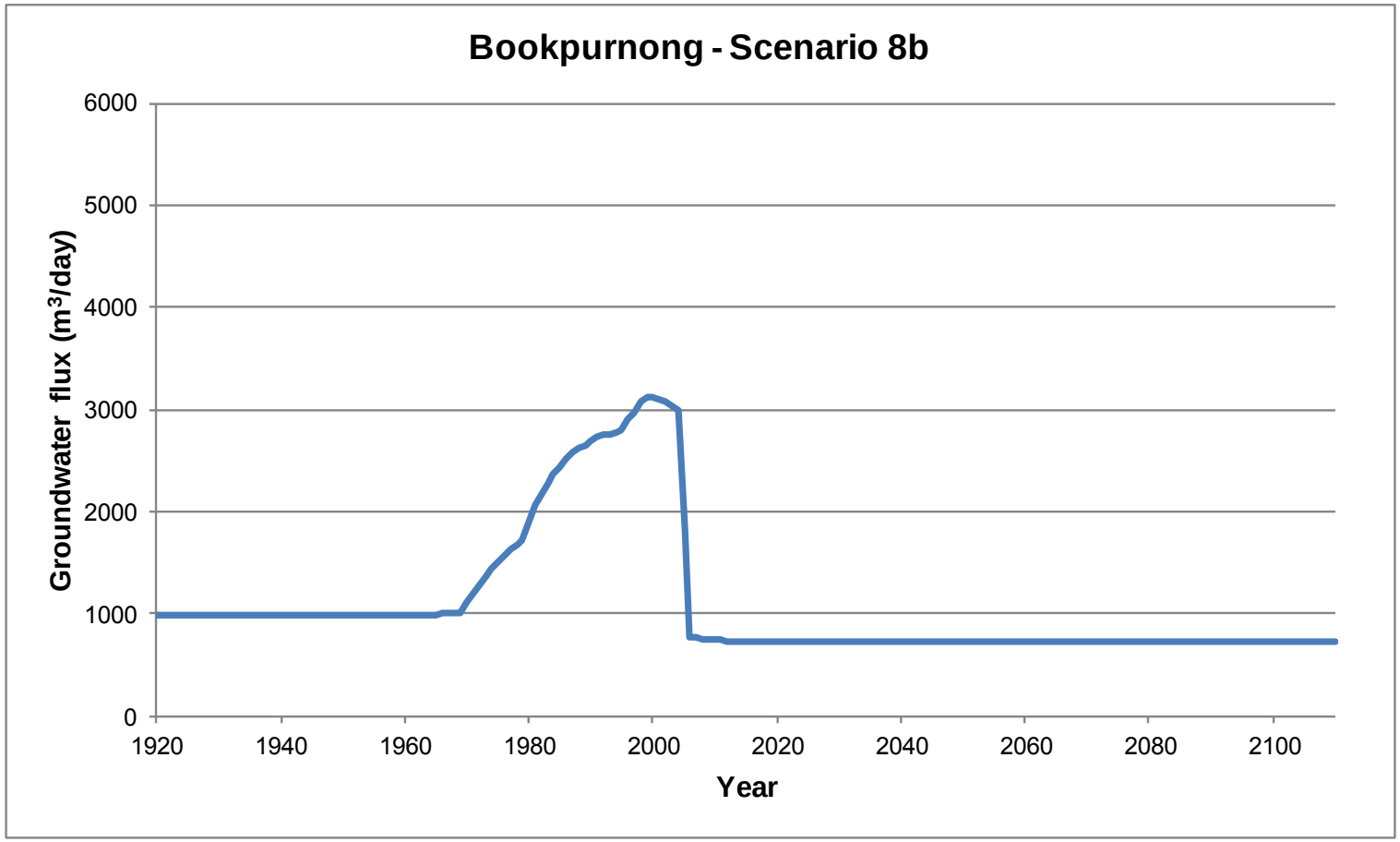
B-4a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	159	0	0	462	0	111	0	0	0	0	0	0	0	731
35064	35430	2016	2017	158	0	0	462	0	111	0	0	0	0	0	0	0	731
35430	35795	2017	2018	157	0	0	462	0	111	0	0	0	0	0	0	0	730
35795	36160	2018	2019	157	0	0	462	0	111	0	0	0	0	0	0	0	729
36160	36525	2019	2020	156	0	0	462	0	111	0	0	0	0	0	0	0	729
36525	36891	2020	2021	156	0	0	462	0	111	0	0	0	0	0	0	0	729
36891	37256	2021	2022	156	0	0	462	0	111	0	0	0	0	0	0	0	729
37256	37621	2022	2023	156	0	0	462	0	111	0	0	0	0	0	0	0	729
37621	37986	2023	2024	156	0	0	462	0	111	0	0	0	0	0	0	0	729
37986	38352	2024	2025	156	0	0	462	0	111	0	0	0	0	0	0	0	729
38352	38717	2025	2026	156	0	0	462	0	111	0	0	0	0	0	0	0	729
38717	39082	2026	2027	156	0	0	462	0	111	0	0	0	0	0	0	0	729
39082	39447	2027	2028	156	0	0	462	0	111	0	0	0	0	0	0	0	729
39447	39813	2028	2029	156	0	0	462	0	111	0	0	0	0	0	0	0	729
39813	40178	2029	2030	157	0	0	462	0	111	0	0	0	0	0	0	0	729
40178	40543	2030	2031	157	0	0	462	0	111	0	0	0	0	0	0	0	730
40543	40908	2031	2032	157	0	0	462	0	111	0	0	0	0	0	0	0	730
40908	41274	2032	2033	157	0	0	462	0	111	0	0	0	0	0	0	0	730
41274	41639	2033	2034	157	0	0	462	0	111	0	0	0	0	0	0	0	730
41639	42004	2034	2035	158	0	0	462	0	111	0	0	0	0	0	0	0	730
42004	42369	2035	2036	158	0	0	462	0	111	0	0	0	0	0	0	0	731
42369	42735	2036	2037	158	0	0	462	0	111	0	0	0	0	0	0	0	731
42735	43100	2037	2038	158	0	0	462	0	111	0	0	0	0	0	0	0	731
43100	43465	2038	2039	158	0	0	462	0	111	0	0	0	0	0	0	0	731
43465	43830	2039	2040	159	0	0	462	0	111	0	0	0	0	0	0	0	731
43830	44196	2040	2041	159	0	0	462	0	111	0	0	0	0	0	0	0	732
44196	44561	2041	2042	159	0	0	462	0	111	0	0	0	0	0	0	0	732
44561	44926	2042	2043	159	0	0	462	0	111	0	0	0	0	0	0	0	732
44926	45291	2043	2044	159	0	0	462	0	111	0	0	0	0	0	0	0	732
45291	45657	2044	2045	160	0	0	462	0	111	0	0	0	0	0	0	0	732
45657	46022	2045	2046	160	0	0	462	0	111	0	0	0	0	0	0	0	732
46022	46387	2046	2047	160	0	0	462	0	111	0	0	0	0	0	0	0	733
46387	46752	2047	2048	160	0	0	462	0	111	0	0	0	0	0	0	0	733
46752	47118	2048	2049	160	0	0	462	0	111	0	0	0	0	0	0	0	733
47118	47483	2049	2050	160	0	0	462	0	111	0	0	0	0	0	0	0	733
47483	47848	2050	2051	160	0	0	462	0	111	0	0	0	0	0	0	0	733
47848	48213	2051	2052	161	0	0	462	0	111	0	0	0	0	0	0	0	733
48213	48579	2052	2053	161	0	0	462	0	111	0	0	0	0	0	0	0	734
48579	48944	2053	2054	161	0	0	462	0	111	0	0	0	0	0	0	0	734
48944	49309	2054	2055	161	0	0	462	0	111	0	0	0	0	0	0	0	734
49309	49674	2055	2056	161	0	0	462	0	111	0	0	0	0	0	0	0	734
49674	50040	2056	2057	161	0	0	462	0	111	0	0	0	0	0	0	0	734
50040	50405	2057	2058	161	0	0	462	0	111	0	0	0	0	0	0	0	734
50405	50770	2058	2059	162	0	0	462	0	111	0	0	0	0	0	0	0	734
50770	51135	2059	2060	162	0	0	462	0	111	0	0	0	0	0	0	0	734
51135	51501	2060	2061	162	0	0	462	0	111	0	0	0	0	0	0	0	735
51501	51866	2061	2062	162	0	0	462	0	111	0	0	0	0	0	0	0	735
51866	52231	2062	2063	162	0	0	462	0	111	0	0	0	0	0	0	0	735

B-4a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	162	0	0	462	0	111	0	0	0	0	0	0	0	735
52596	52962	2064	2065	162	0	0	462	0	111	0	0	0	0	0	0	0	735
52962	53327	2065	2066	162	0	0	462	0	111	0	0	0	0	0	0	0	735
53327	53692	2066	2067	162	0	0	462	0	111	0	0	0	0	0	0	0	735
53692	54057	2067	2068	162	0	0	462	0	111	0	0	0	0	0	0	0	735
54057	54423	2068	2069	163	0	0	462	0	111	0	0	0	0	0	0	0	735
54423	54788	2069	2070	163	0	0	462	0	111	0	0	0	0	0	0	0	735
54788	55153	2070	2071	163	0	0	462	0	111	0	0	0	0	0	0	0	736
55153	55518	2071	2072	163	0	0	462	0	111	0	0	0	0	0	0	0	736
55518	55884	2072	2073	163	0	0	462	0	111	0	0	0	0	0	0	0	736
55884	56249	2073	2074	163	0	0	462	0	111	0	0	0	0	0	0	0	736
56249	56614	2074	2075	163	0	0	462	0	111	0	0	0	0	0	0	0	736
56614	56979	2075	2076	163	0	0	462	0	111	0	0	0	0	0	0	0	736
56979	57345	2076	2077	163	0	0	462	0	111	0	0	0	0	0	0	0	736
57345	57710	2077	2078	163	0	0	462	0	111	0	0	0	0	0	0	0	736
57710	58075	2078	2079	163	0	0	462	0	111	0	0	0	0	0	0	0	736
58075	58440	2079	2080	163	0	0	462	0	111	0	0	0	0	0	0	0	736
58440	58806	2080	2081	163	0	0	462	0	111	0	0	0	0	0	0	0	736
58806	59171	2081	2082	164	0	0	462	0	111	0	0	0	0	0	0	0	736
59171	59536	2082	2083	164	0	0	462	0	111	0	0	0	0	0	0	0	736
59536	59901	2083	2084	164	0	0	462	0	111	0	0	0	0	0	0	0	737
59901	60267	2084	2085	164	0	0	462	0	111	0	0	0	0	0	0	0	737
60267	60632	2085	2086	164	0	0	462	0	111	0	0	0	0	0	0	0	737
60632	60997	2086	2087	164	0	0	462	0	111	0	0	0	0	0	0	0	737
60997	61362	2087	2088	164	0	0	462	0	111	0	0	0	0	0	0	0	737
61362	61728	2088	2089	164	0	0	462	0	111	0	0	0	0	0	0	0	737
61728	62093	2089	2090	164	0	0	462	0	111	0	0	0	0	0	0	0	737
62093	62458	2090	2091	164	0	0	462	0	111	0	0	0	0	0	0	0	737
62458	62823	2091	2092	164	0	0	462	0	111	0	0	0	0	0	0	0	737
62823	63189	2092	2093	164	0	0	462	0	111	0	0	0	0	0	0	0	737
63189	63554	2093	2094	164	0	0	462	0	111	0	0	0	0	0	0	0	737
63554	63919	2094	2095	164	0	0	462	0	111	0	0	0	0	0	0	0	737
63919	64284	2095	2096	164	0	0	462	0	111	0	0	0	0	0	0	0	737
64284	64650	2096	2097	164	0	0	462	0	111	0	0	0	0	0	0	0	737
64650	65015	2097	2098	164	0	0	462	0	111	0	0	0	0	0	0	0	737
65015	65380	2098	2099	165	0	0	462	0	111	0	0	0	0	0	0	0	737
65380	65745	2099	2100	165	0	0	462	0	111	0	0	0	0	0	0	0	738
65745	66110	2100	2101	165	0	0	462	0	111	0	0	0	0	0	0	0	738
66110	66475	2101	2102	165	0	0	462	0	111	0	0	0	0	0	0	0	738
66475	66840	2102	2103	165	0	0	462	0	111	0	0	0	0	0	0	0	738
66840	67205	2103	2104	165	0	0	462	0	111	0	0	0	0	0	0	0	738
67205	67571	2104	2105	165	0	0	462	0	111	0	0	0	0	0	0	0	738
67571	67936	2105	2106	165	0	0	462	0	111	0	0	0	0	0	0	0	738
67936	68301	2106	2107	165	0	0	462	0	111	0	0	0	0	0	0	0	738
68301	68666	2107	2108	165	0	0	462	0	111	0	0	0	0	0	0	0	738
68666	69032	2108	2109	165	0	0	462	0	111	0	0	0	0	0	0	0	738
69032	69397	2109	2110	165	0	0	462	0	111	0	0	0	0	0	0	0	738
69397	69762	2110	2111	165	0	0	462	0	111	0	0	0	0	0	0	0	738

B-4a (S8b). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part4/4)



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

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.0	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.4	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.7
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.6	8.0	8.0	83.9
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.6	8.1	8.3	82.9
30681	31047	2004	2005	11.1	2.3	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.6	8.1	8.4	82.1
31047	31412	2005	2006	10.8	2.3	7.9	19.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.6
31412	31777	2006	2007	8.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5
31777	32142	2007	2008	7.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
32142	32508	2008	2009	7.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6
32508	32873	2009	2010	7.0	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3
32873	33238	2010	2011	6.8	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1
33238	33603	2011	2012	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
33603	33969	2012	2013	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
33969	34334	2013	2014	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
34334	34699	2014	2015	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

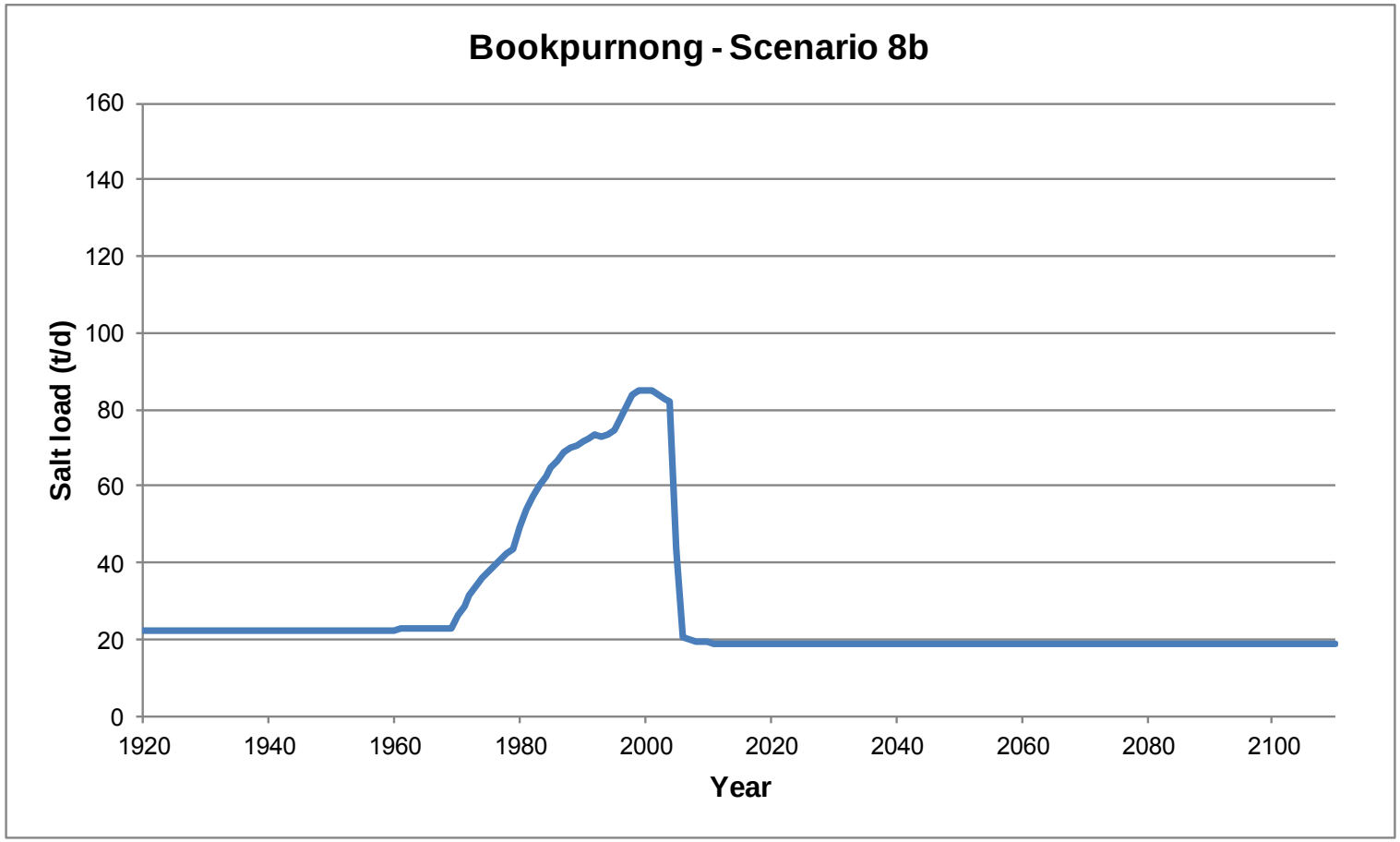
B-4b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
35064	35430	2016	2017	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
35430	35795	2017	2018	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
35795	36160	2018	2019	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
36160	36525	2019	2020	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
36525	36891	2020	2021	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
36891	37256	2021	2022	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
37256	37621	2022	2023	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
37621	37986	2023	2024	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
37986	38352	2024	2025	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
38352	38717	2025	2026	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
38717	39082	2026	2027	6.2	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
39082	39447	2027	2028	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
39447	39813	2028	2029	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
39813	40178	2029	2030	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
40178	40543	2030	2031	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
40543	40908	2031	2032	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
40908	41274	2032	2033	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
41274	41639	2033	2034	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
41639	42004	2034	2035	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
42004	42369	2035	2036	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
42369	42735	2036	2037	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
42735	43100	2037	2038	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
43100	43465	2038	2039	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
43465	43830	2039	2040	6.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
43830	44196	2040	2041	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
44196	44561	2041	2042	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
44561	44926	2042	2043	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
44926	45291	2043	2044	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
45291	45657	2044	2045	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
45657	46022	2045	2046	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
46022	46387	2046	2047	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
46387	46752	2047	2048	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
46752	47118	2048	2049	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
47118	47483	2049	2050	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
47483	47848	2050	2051	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
47848	48213	2051	2052	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
48213	48579	2052	2053	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
48579	48944	2053	2054	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
48944	49309	2054	2055	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
49309	49674	2055	2056	6.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
49674	50040	2056	2057	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
50040	50405	2057	2058	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
50405	50770	2058	2059	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
50770	51135	2059	2060	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
51135	51501	2060	2061	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
51501	51866	2061	2062	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
51866	52231	2062	2063	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
52596	52962	2064	2065	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
52962	53327	2065	2066	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
53327	53692	2066	2067	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
53692	54057	2067	2068	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
54057	54423	2068	2069	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
54423	54788	2069	2070	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
54788	55153	2070	2071	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
55153	55518	2071	2072	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
55518	55884	2072	2073	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
55884	56249	2073	2074	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
56249	56614	2074	2075	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
56614	56979	2075	2076	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
56979	57345	2076	2077	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
57345	57710	2077	2078	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
57710	58075	2078	2079	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
58075	58440	2079	2080	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
58440	58806	2080	2081	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
58806	59171	2081	2082	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
59171	59536	2082	2083	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
59536	59901	2083	2084	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
59901	60267	2084	2085	6.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
60267	60632	2085	2086	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
60632	60997	2086	2087	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
60997	61362	2087	2088	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
61362	61728	2088	2089	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
61728	62093	2089	2090	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
62093	62458	2090	2091	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
62458	62823	2091	2092	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
62823	63189	2092	2093	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
63189	63554	2093	2094	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
63554	63919	2094	2095	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
63919	64284	2095	2096	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
64284	64650	2096	2097	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
64650	65015	2097	2098	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
65015	65380	2098	2099	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
65380	65745	2099	2100	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
65745	66110	2100	2101	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
66110	66475	2101	2102	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
66475	66840	2102	2103	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
66840	67205	2103	2104	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
67205	67571	2104	2105	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
67571	67936	2105	2106	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
67936	68301	2106	2107	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
68301	68666	2107	2108	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
68666	69032	2108	2109	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
69032	69397	2109	2110	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9
69397	69762	2110	2111	6.6	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8b). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8b) (Part4/4)



B-4b (S8b). Graph of modelled salt load (t/d) entering the River Murray in Bookpurnong (Scenario 8b)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
0	1	1920	1920	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1	366	1920	1921	0	0	0	724	31	109	0	0	0	0	28	31	54	977
366	731	1921	1922	0	0	0	724	31	109	0	0	0	0	28	31	54	977
731	1096	1922	1923	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1096	1461	1923	1924	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1461	1827	1924	1925	0	0	0	724	31	109	0	0	0	0	28	31	54	977
1827	2192	1925	1926	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2192	2557	1926	1927	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2557	2922	1927	1928	0	0	0	724	31	109	0	0	0	0	28	31	54	977
2922	3288	1928	1929	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3288	3653	1929	1930	0	0	0	724	31	109	0	0	0	0	28	31	54	977
3653	4018	1930	1931	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4018	4383	1931	1932	0	0	0	724	31	109	0	0	0	0	28	31	54	977
4383	4749	1932	1933	0	0	0	724	31	109	0	0	0	0	28	31	54	978
4749	5114	1933	1934	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5114	5479	1934	1935	0	0	0	724	31	109	0	0	0	0	28	32	54	978
5479	5844	1935	1936	0	0	0	725	31	109	0	0	0	0	28	32	54	978
5844	6210	1936	1937	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6210	6575	1937	1938	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6575	6940	1938	1939	0	0	0	725	31	109	0	0	0	0	28	32	55	979
6940	7305	1939	1940	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7305	7671	1940	1941	0	0	0	725	31	109	0	0	0	0	28	32	55	980
7671	8036	1941	1942	0	0	0	725	31	109	0	0	0	0	28	32	55	980
8036	8401	1942	1943	0	0	0	725	31	109	0	0	0	0	28	32	56	981
8401	8766	1943	1944	0	0	0	725	32	109	0	0	0	0	28	32	56	981
8766	9132	1944	1945	0	0	0	725	32	109	0	0	0	0	28	32	56	982
9132	9497	1945	1946	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9497	9862	1946	1947	0	0	0	725	32	109	0	0	0	0	28	33	56	982
9862	10227	1947	1948	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10227	10593	1948	1949	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10593	10958	1949	1950	0	0	0	725	32	109	0	0	0	0	28	33	57	983
10958	11323	1950	1951	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11323	11688	1951	1952	0	0	0	725	32	109	0	0	0	0	28	33	57	984
11688	12054	1952	1953	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12054	12419	1953	1954	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12419	12784	1954	1955	0	0	0	725	32	109	0	0	0	0	28	33	58	985
12784	13149	1955	1956	0	0	0	725	32	109	0	0	0	0	28	34	58	986
13149	13515	1956	1957	0	0	0	725	32	109	0	0	0	0	28	34	59	986
13515	13880	1957	1958	0	0	0	725	32	109	0	0	0	0	28	34	59	987
13880	14245	1958	1959	0	0	0	725	32	109	0	0	0	0	29	34	59	987
14245	14610	1959	1960	0	0	0	725	32	109	0	0	0	0	29	34	59	988
14610	14976	1960	1961	0	0	0	725	32	109	0	0	0	0	29	34	60	989
14976	15341	1961	1962	0	0	0	725	32	109	0	0	0	0	29	35	60	989
15341	15706	1962	1963	0	0	0	726	32	109	0	0	0	0	29	35	61	991
15706	16071	1963	1964	0	0	0	726	32	109	0	0	0	0	29	35	62	992
16071	16437	1964	1965	0	0	0	726	32	109	0	0	0	0	29	36	63	994
16437	16802	1965	1966	0	0	0	726	32	109	0	0	0	0	29	36	64	996
16802	17167	1966	1967	0	0	0	726	32	109	0	0	0	0	29	36	66	998

B-4a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
17167	17532	1967	1968	0	0	0	726	32	109	0	0	0	0	29	37	67	1001
17532	17898	1968	1969	0	0	0	726	32	109	0	0	0	0	29	37	69	1003
17898	18263	1969	1970	0	0	0	727	32	109	0	0	0	0	30	38	71	1007
18263	18628	1970	1971	27	0	0	778	49	109	0	2	0	0	33	40	74	1112
18628	18993	1971	1972	47	0	2	809	52	109	0	14	0	0	43	45	76	1198
18993	19359	1972	1973	61	4	11	832	53	109	0	27	0	0	58	53	79	1288
19359	19724	1973	1974	73	8	25	849	55	110	0	37	0	0	71	62	82	1372
19724	20089	1974	1975	84	12	39	862	55	110	0	45	0	0	83	69	86	1446
20089	20454	1975	1976	86	16	64	872	53	110	0	50	0	0	92	77	90	1510
20454	20820	1976	1977	97	20	79	885	54	110	0	55	0	0	99	82	94	1574
20820	21185	1977	1978	108	23	92	893	54	110	0	59	0	0	105	87	98	1629
21185	21550	1978	1979	117	25	103	899	54	110	0	62	0	0	110	92	102	1674
21550	21915	1979	1980	124	28	111	904	55	110	0	64	0	0	114	96	106	1712
21915	22281	1980	1981	189	38	136	945	56	110	0	74	0	0	125	101	120	1895
22281	22646	1981	1982	219	47	175	984	57	110	0	93	0	0	148	109	127	2069
22646	23011	1982	1983	227	52	204	1004	58	110	0	110	0	0	169	118	130	2182
23011	23376	1983	1984	241	58	229	1019	59	110	0	122	0	0	184	125	135	2282
23376	23742	1984	1985	251	62	256	1029	60	110	0	131	0	0	195	132	139	2365
23742	24107	1985	1986	262	67	275	1038	60	111	0	137	0	0	205	138	144	2437
24107	24472	1986	1987	263	70	308	1060	60	111	0	141	0	0	212	144	148	2516
24472	24837	1987	1988	271	75	335	1073	60	111	0	144	0	0	216	149	152	2585
24837	25203	1988	1989	278	78	350	1080	60	111	0	147	0	0	220	153	156	2633
25203	25568	1989	1990	275	79	357	1080	59	111	0	148	0	0	223	156	160	2648
25568	25933	1990	1991	281	83	388	1082	59	111	0	148	0	0	224	159	164	2700
25933	26298	1991	1992	282	87	406	1082	58	111	0	149	0	0	226	162	167	2730
26298	26664	1992	1993	286	89	415	1083	58	111	0	149	0	0	228	164	170	2754
26664	27029	1993	1994	280	89	417	1081	57	111	0	149	0	0	229	166	173	2752
27029	27394	1994	1995	280	89	420	1094	57	111	0	151	0	0	230	168	176	2776
27394	27759	1995	1996	281	89	422	1099	58	111	0	155	0	0	234	170	179	2799
27759	28125	1996	1997	283	90	426	1105	58	111	0	166	0	0	285	194	182	2900
28125	28490	1997	1998	280	90	427	1108	58	111	0	179	0	0	318	214	185	2970
28490	28855	1998	1999	310	95	468	1112	58	111	0	186	0	0	329	224	195	3088
28855	29220	1999	2000	313	97	470	1112	58	111	0	188	0	0	331	230	213	3124
29220	29586	2000	2001	307	97	467	1109	57	111	0	188	0	0	332	235	230	3133
29586	29951	2001	2002	298	95	452	1099	56	111	0	186	0	0	333	241	243	3114
29951	30316	2002	2003	291	93	429	1086	56	111	0	184	0	0	333	246	253	3083
30316	30681	2003	2004	283	90	404	1072	55	111	0	183	0	0	335	251	261	3047
30681	31047	2004	2005	279	87	383	1059	55	111	0	183	0	0	337	256	268	3019
31047	31412	2005	2006	273	84	361	975	0	111	0	0	0	0	0	0	0	1805
31412	31777	2006	2007	206	0	0	464	0	111	0	0	0	0	0	0	0	781
31777	32142	2007	2008	194	0	0	463	0	111	0	0	0	0	0	0	0	768
32142	32508	2008	2009	188	0	0	463	0	111	0	0	0	0	0	0	0	761
32508	32873	2009	2010	184	0	0	462	0	111	0	0	0	0	0	0	0	757
32873	33238	2010	2011	182	0	0	462	0	111	0	0	0	0	0	0	0	755
33238	33603	2011	2012	183	0	0	462	0	111	0	0	0	0	0	0	0	757
33603	33969	2012	2013	188	0	0	462	0	111	0	0	0	0	0	0	0	761
33969	34334	2013	2014	194	0	0	462	0	111	0	0	0	0	0	0	0	767
34334	34699	2014	2015	206	0	0	463	0	111	0	0	0	0	0	0	0	780

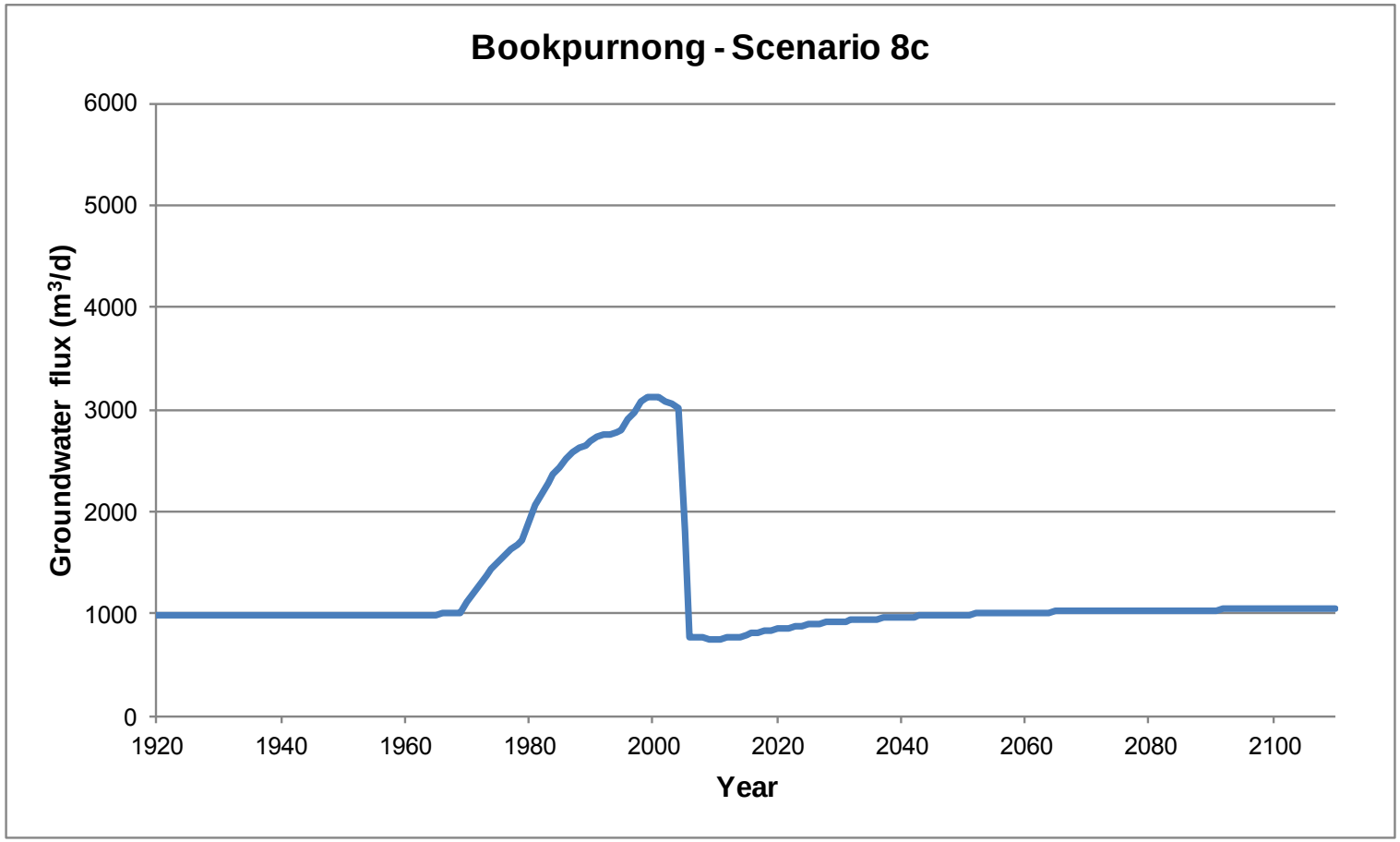
B-4a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
34699	35064	2015	2016	223	0	0	463	0	111	0	0	0	0	0	0	0	797
35064	35430	2016	2017	235	0	0	463	0	111	0	0	0	0	0	0	0	808
35430	35795	2017	2018	245	0	0	463	0	111	0	0	0	0	0	0	0	819
35795	36160	2018	2019	255	0	0	463	0	111	0	0	0	0	0	0	0	829
36160	36525	2019	2020	265	0	0	463	0	111	0	0	0	0	0	0	0	839
36525	36891	2020	2021	274	0	0	463	0	111	0	0	0	0	0	0	0	849
36891	37256	2021	2022	284	0	0	463	0	111	0	0	0	0	0	0	0	858
37256	37621	2022	2023	292	0	0	463	0	111	0	0	0	0	0	0	0	867
37621	37986	2023	2024	301	0	0	463	0	111	0	0	0	0	0	0	0	875
37986	38352	2024	2025	309	0	0	463	0	111	0	0	0	0	0	0	0	884
38352	38717	2025	2026	316	0	0	463	0	111	0	0	0	0	0	0	0	891
38717	39082	2026	2027	324	0	0	463	0	111	0	0	0	0	0	0	0	899
39082	39447	2027	2028	331	0	0	463	0	111	0	0	0	0	0	0	0	906
39447	39813	2028	2029	337	0	0	463	0	111	0	0	0	0	0	0	0	912
39813	40178	2029	2030	343	0	0	464	0	112	0	0	0	0	0	0	0	918
40178	40543	2030	2031	349	0	0	464	0	112	0	0	0	0	0	0	0	924
40543	40908	2031	2032	355	0	0	464	0	112	0	0	0	0	0	0	0	930
40908	41274	2032	2033	360	0	0	464	0	112	0	0	0	0	0	0	0	935
41274	41639	2033	2034	365	0	0	464	0	112	0	0	0	0	0	0	0	940
41639	42004	2034	2035	369	0	0	464	0	112	0	0	0	0	0	0	0	945
42004	42369	2035	2036	374	0	0	464	0	112	0	0	0	0	0	0	0	949
42369	42735	2036	2037	378	0	0	464	0	112	0	0	0	0	0	0	0	953
42735	43100	2037	2038	382	0	0	464	0	112	0	0	0	0	0	0	0	958
43100	43465	2038	2039	386	0	0	464	0	112	0	0	0	0	0	0	0	961
43465	43830	2039	2040	389	0	0	464	0	112	0	0	0	0	0	0	0	965
43830	44196	2040	2041	393	0	0	464	0	112	0	0	0	0	0	0	0	968
44196	44561	2041	2042	396	0	0	464	0	112	0	0	0	0	0	0	0	972
44561	44926	2042	2043	399	0	0	464	0	112	0	0	0	0	0	0	0	975
44926	45291	2043	2044	402	0	0	464	0	112	0	0	0	0	0	0	0	978
45291	45657	2044	2045	405	0	0	464	0	112	0	0	0	0	0	0	0	981
45657	46022	2045	2046	408	0	0	464	0	112	0	0	0	0	0	0	0	983
46022	46387	2046	2047	410	0	0	464	0	112	0	0	0	0	0	0	0	986
46387	46752	2047	2048	413	0	0	464	0	112	0	0	0	0	0	0	0	989
46752	47118	2048	2049	415	0	0	464	0	112	0	0	0	0	0	0	0	991
47118	47483	2049	2050	417	0	0	464	0	112	0	0	0	0	0	0	0	993
47483	47848	2050	2051	419	0	0	464	0	112	0	0	0	0	0	0	0	995
47848	48213	2051	2052	421	0	0	464	0	112	0	0	0	0	0	0	0	997
48213	48579	2052	2053	423	0	0	464	0	112	0	0	0	0	0	0	0	999
48579	48944	2053	2054	425	0	0	464	0	112	0	0	0	0	0	0	0	1001
48944	49309	2054	2055	427	0	0	464	0	112	0	0	0	0	0	0	0	1003
49309	49674	2055	2056	429	0	0	464	0	112	0	0	0	0	0	0	0	1005
49674	50040	2056	2057	430	0	0	464	0	112	0	0	0	0	0	0	0	1007
50040	50405	2057	2058	432	0	0	464	0	112	0	0	0	0	0	0	0	1008
50405	50770	2058	2059	433	0	0	464	0	112	0	0	0	0	0	0	0	1010
50770	51135	2059	2060	435	0	0	464	0	112	0	0	0	0	0	0	0	1011
51135	51501	2060	2061	436	0	0	464	0	112	0	0	0	0	0	0	0	1013
51501	51866	2061	2062	438	0	0	464	0	112	0	0	0	0	0	0	0	1014
51866	52231	2062	2063	439	0	0	464	0	112	0	0	0	0	0	0	0	1016

B-4a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Flux (m^3/day)
52231	52596	2063	2064	440	0	0	464	0	112	0	0	0	0	0	0	0	1017
52596	52962	2064	2065	442	0	0	464	0	112	0	0	0	0	0	0	0	1018
52962	53327	2065	2066	443	0	0	464	0	112	0	0	0	0	0	0	0	1019
53327	53692	2066	2067	444	0	0	464	0	112	0	0	0	0	0	0	0	1020
53692	54057	2067	2068	445	0	0	464	0	112	0	0	0	0	0	0	0	1022
54057	54423	2068	2069	446	0	0	464	0	112	0	0	0	0	0	0	0	1023
54423	54788	2069	2070	447	0	0	464	0	112	0	0	0	0	0	0	0	1024
54788	55153	2070	2071	448	0	0	464	0	112	0	0	0	0	0	0	0	1025
55153	55518	2071	2072	449	0	0	464	0	112	0	0	0	0	0	0	0	1026
55518	55884	2072	2073	450	0	0	464	0	112	0	0	0	0	0	0	0	1027
55884	56249	2073	2074	451	0	0	464	0	112	0	0	0	0	0	0	0	1028
56249	56614	2074	2075	452	0	0	464	0	112	0	0	0	0	0	0	0	1029
56614	56979	2075	2076	453	0	0	464	0	112	0	0	0	0	0	0	0	1029
56979	57345	2076	2077	454	0	0	464	0	112	0	0	0	0	0	0	0	1030
57345	57710	2077	2078	454	0	0	464	0	112	0	0	0	0	0	0	0	1031
57710	58075	2078	2079	455	0	0	464	0	112	0	0	0	0	0	0	0	1032
58075	58440	2079	2080	456	0	0	464	0	112	0	0	0	0	0	0	0	1033
58440	58806	2080	2081	457	0	0	464	0	112	0	0	0	0	0	0	0	1033
58806	59171	2081	2082	457	0	0	464	0	112	0	0	0	0	0	0	0	1034
59171	59536	2082	2083	458	0	0	464	0	112	0	0	0	0	0	0	0	1035
59536	59901	2083	2084	459	0	0	464	0	112	0	0	0	0	0	0	0	1036
59901	60267	2084	2085	459	0	0	464	0	113	0	0	0	0	0	0	0	1036
60267	60632	2085	2086	460	0	0	464	0	113	0	0	0	0	0	0	0	1037
60632	60997	2086	2087	461	0	0	464	0	113	0	0	0	0	0	0	0	1037
60997	61362	2087	2088	461	0	0	464	0	113	0	0	0	0	0	0	0	1038
61362	61728	2088	2089	462	0	0	464	0	113	0	0	0	0	0	0	0	1039
61728	62093	2089	2090	462	0	0	464	0	113	0	0	0	0	0	0	0	1039
62093	62458	2090	2091	463	0	0	464	0	113	0	0	0	0	0	0	0	1040
62458	62823	2091	2092	463	0	0	464	0	113	0	0	0	0	0	0	0	1040
62823	63189	2092	2093	464	0	0	464	0	113	0	0	0	0	0	0	0	1041
63189	63554	2093	2094	464	0	0	464	0	113	0	0	0	0	0	0	0	1041
63554	63919	2094	2095	465	0	0	464	0	113	0	0	0	0	0	0	0	1042
63919	64284	2095	2096	465	0	0	464	0	113	0	0	0	0	0	0	0	1042
64284	64650	2096	2097	466	0	0	464	0	113	0	0	0	0	0	0	0	1043
64650	65015	2097	2098	466	0	0	464	0	113	0	0	0	0	0	0	0	1043
65015	65380	2098	2099	467	0	0	464	0	113	0	0	0	0	0	0	0	1044
65380	65745	2099	2100	467	0	0	464	0	113	0	0	0	0	0	0	0	1044
65745	66110	2100	2101	468	0	0	465	0	113	0	0	0	0	0	0	0	1045
66110	66475	2101	2102	468	0	0	465	0	113	0	0	0	0	0	0	0	1045
66475	66840	2102	2103	468	0	0	465	0	113	0	0	0	0	0	0	0	1046
66840	67205	2103	2104	469	0	0	465	0	113	0	0	0	0	0	0	0	1046
67205	67571	2104	2105	469	0	0	465	0	113	0	0	0	0	0	0	0	1046
67571	67936	2105	2106	470	0	0	465	0	113	0	0	0	0	0	0	0	1047
67936	68301	2106	2107	470	0	0	465	0	113	0	0	0	0	0	0	0	1047
68301	68666	2107	2108	470	0	0	465	0	113	0	0	0	0	0	0	0	1048
68666	69032	2108	2109	471	0	0	465	0	113	0	0	0	0	0	0	0	1048
69032	69397	2109	2110	471	0	0	465	0	113	0	0	0	0	0	0	0	1048
69397	69762	2110	2111	471	0	0	465	0	113	0	0	0	0	0	0	0	1049

B-4a (S8c). Modelled groundwater flux (m^3/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part4/4)



B-4a (S8c). Graph of modelled groundwater flux (m^3/d) entering the River Murray in Bookpurnong (Scenario 8c)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
0	1	1920	1920	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1	366	1920	1921	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
366	731	1921	1922	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
731	1096	1922	1923	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1096	1461	1923	1924	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1461	1827	1924	1925	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
1827	2192	1925	1926	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2192	2557	1926	1927	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2557	2922	1927	1928	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
2922	3288	1928	1929	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3288	3653	1929	1930	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
3653	4018	1930	1931	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4018	4383	1931	1932	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4383	4749	1932	1933	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
4749	5114	1933	1934	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5114	5479	1934	1935	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.2
5479	5844	1935	1936	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
5844	6210	1936	1937	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.0	1.7	22.3
6210	6575	1937	1938	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6575	6940	1938	1939	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
6940	7305	1939	1940	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7305	7671	1940	1941	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
7671	8036	1941	1942	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8036	8401	1942	1943	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8401	8766	1943	1944	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.3
8766	9132	1944	1945	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9132	9497	1945	1946	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9497	9862	1946	1947	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
9862	10227	1947	1948	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10227	10593	1948	1949	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10593	10958	1949	1950	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
10958	11323	1950	1951	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11323	11688	1951	1952	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
11688	12054	1952	1953	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.8	22.4
12054	12419	1953	1954	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12419	12784	1954	1955	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
12784	13149	1955	1956	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13149	13515	1956	1957	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13515	13880	1957	1958	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
13880	14245	1958	1959	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.5
14245	14610	1959	1960	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14610	14976	1960	1961	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
14976	15341	1961	1962	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	1.9	22.6
15341	15706	1962	1963	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.1	2.0	22.6
15706	16071	1963	1964	0.0	0.0	0.0	14.5	0.9	3.0	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16071	16437	1964	1965	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.0	22.7
16437	16802	1965	1966	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.8
16802	17167	1966	1967	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.1	22.9
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part1/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
17167	17532	1967	1968	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17532	17898	1968	1969	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.2	2.2	23.0
17898	18263	1969	1970	0.0	0.0	0.0	14.5	0.9	3.1	0.0	0.0	0.0	0.0	1.1	1.3	2.3	23.1
18263	18628	1970	1971	1.1	0.0	0.0	15.6	1.4	3.1	0.0	0.1	0.0	0.0	1.2	1.3	2.4	26.0
18628	18993	1971	1972	1.9	0.0	0.1	16.2	1.4	3.1	0.0	0.4	0.0	0.0	1.6	1.5	2.4	28.6
18993	19359	1972	1973	2.5	0.1	0.2	16.6	1.5	3.1	0.0	0.8	0.0	0.0	2.2	1.8	2.5	31.3
19359	19724	1973	1974	2.9	0.2	0.5	17.0	1.5	3.1	0.0	1.1	0.0	0.0	2.7	2.0	2.6	33.7
19724	20089	1974	1975	3.4	0.3	0.9	17.2	1.6	3.1	0.0	1.3	0.0	0.0	3.1	2.3	2.7	35.9
20089	20454	1975	1976	3.4	0.4	1.4	17.4	1.5	3.1	0.0	1.5	0.0	0.0	3.5	2.5	2.9	37.6
20454	20820	1976	1977	3.9	0.5	1.7	17.7	1.5	3.1	0.0	1.6	0.0	0.0	3.8	2.7	3.0	39.5
20820	21185	1977	1978	4.3	0.6	2.0	17.9	1.5	3.1	0.0	1.7	0.0	0.0	4.0	2.9	3.1	41.1
21185	21550	1978	1979	4.7	0.7	2.3	18.0	1.5	3.1	0.0	1.8	0.0	0.0	4.2	3.0	3.3	42.5
21550	21915	1979	1980	5.0	0.7	2.4	18.1	1.5	3.1	0.0	1.9	0.0	0.0	4.3	3.2	3.4	43.6
21915	22281	1980	1981	7.6	1.0	3.0	18.9	1.6	3.1	0.0	2.1	0.0	0.0	4.8	3.3	3.8	49.2
22281	22646	1981	1982	8.8	1.3	3.8	19.7	1.6	3.1	0.0	2.7	0.0	0.0	5.6	3.6	4.1	54.2
22646	23011	1982	1983	9.1	1.4	4.5	20.1	1.6	3.1	0.0	3.2	0.0	0.0	6.4	3.9	4.2	57.4
23011	23376	1983	1984	9.6	1.6	5.0	20.4	1.7	3.1	0.0	3.5	0.0	0.0	7.0	4.1	4.3	60.3
23376	23742	1984	1985	10.0	1.7	5.6	20.6	1.7	3.1	0.0	3.8	0.0	0.0	7.4	4.4	4.5	62.7
23742	24107	1985	1986	10.5	1.8	6.1	20.8	1.7	3.1	0.0	4.0	0.0	0.0	7.8	4.6	4.6	64.8
24107	24472	1986	1987	10.5	1.9	6.8	21.2	1.7	3.1	0.0	4.1	0.0	0.0	8.0	4.7	4.7	66.8
24472	24837	1987	1988	10.8	2.0	7.4	21.5	1.7	3.1	0.0	4.2	0.0	0.0	8.2	4.9	4.9	68.6
24837	25203	1988	1989	11.1	2.1	7.7	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.3	5.0	5.0	70.0
25203	25568	1989	1990	11.0	2.1	7.9	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.2	5.1	70.4
25568	25933	1990	1991	11.3	2.2	8.5	21.6	1.7	3.1	0.0	4.3	0.0	0.0	8.5	5.3	5.2	71.8
25933	26298	1991	1992	11.3	2.3	8.9	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.6	5.3	5.3	72.5
26298	26664	1992	1993	11.5	2.4	9.1	21.7	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.4	5.5	73.2
26664	27029	1993	1994	11.2	2.4	9.2	21.6	1.6	3.1	0.0	4.3	0.0	0.0	8.7	5.5	5.5	73.1
27029	27394	1994	1995	11.2	2.4	9.2	21.9	1.6	3.1	0.0	4.4	0.0	0.0	8.7	5.5	5.6	73.7
27394	27759	1995	1996	11.2	2.4	9.3	22.0	1.6	3.1	0.0	4.5	0.0	0.0	8.9	5.6	5.7	74.4
27759	28125	1996	1997	11.3	2.4	9.4	22.1	1.6	3.1	0.0	4.8	0.0	0.0	10.8	6.4	5.8	77.8
28125	28490	1997	1998	11.2	2.4	9.4	22.2	1.6	3.1	0.0	5.2	0.0	0.0	12.1	7.1	5.9	80.2
28490	28855	1998	1999	12.4	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.5	7.4	6.2	83.7
28855	29220	1999	2000	12.5	2.6	10.3	22.2	1.6	3.1	0.0	5.5	0.0	0.0	12.6	7.6	6.8	84.9
29220	29586	2000	2001	12.3	2.6	10.3	22.2	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.8	7.4	85.2
29586	29951	2001	2002	11.9	2.6	9.9	22.0	1.6	3.1	0.0	5.4	0.0	0.0	12.6	7.9	7.8	84.8
29951	30316	2002	2003	11.6	2.5	9.4	21.7	1.6	3.1	0.0	5.3	0.0	0.0	12.7	8.1	8.1	84.2
30316	30681	2003	2004	11.3	2.4	8.9	21.4	1.5	3.1	0.0	5.3	0.0	0.0	12.7	8.3	8.4	83.5
30681	31047	2004	2005	11.2	2.4	8.4	21.2	1.5	3.1	0.0	5.3	0.0	0.0	12.8	8.5	8.6	82.9
31047	31412	2005	2006	10.9	2.3	7.9	19.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8
31412	31777	2006	2007	8.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
31777	32142	2007	2008	7.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1
32142	32508	2008	2009	7.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
32508	32873	2009	2010	7.4	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7
32873	33238	2010	2011	7.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6
33238	33603	2011	2012	7.3	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7
33603	33969	2012	2013	7.5	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9
33969	34334	2013	2014	7.7	0.0	0.0	9.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1
34334	34699	2014	2015	8.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

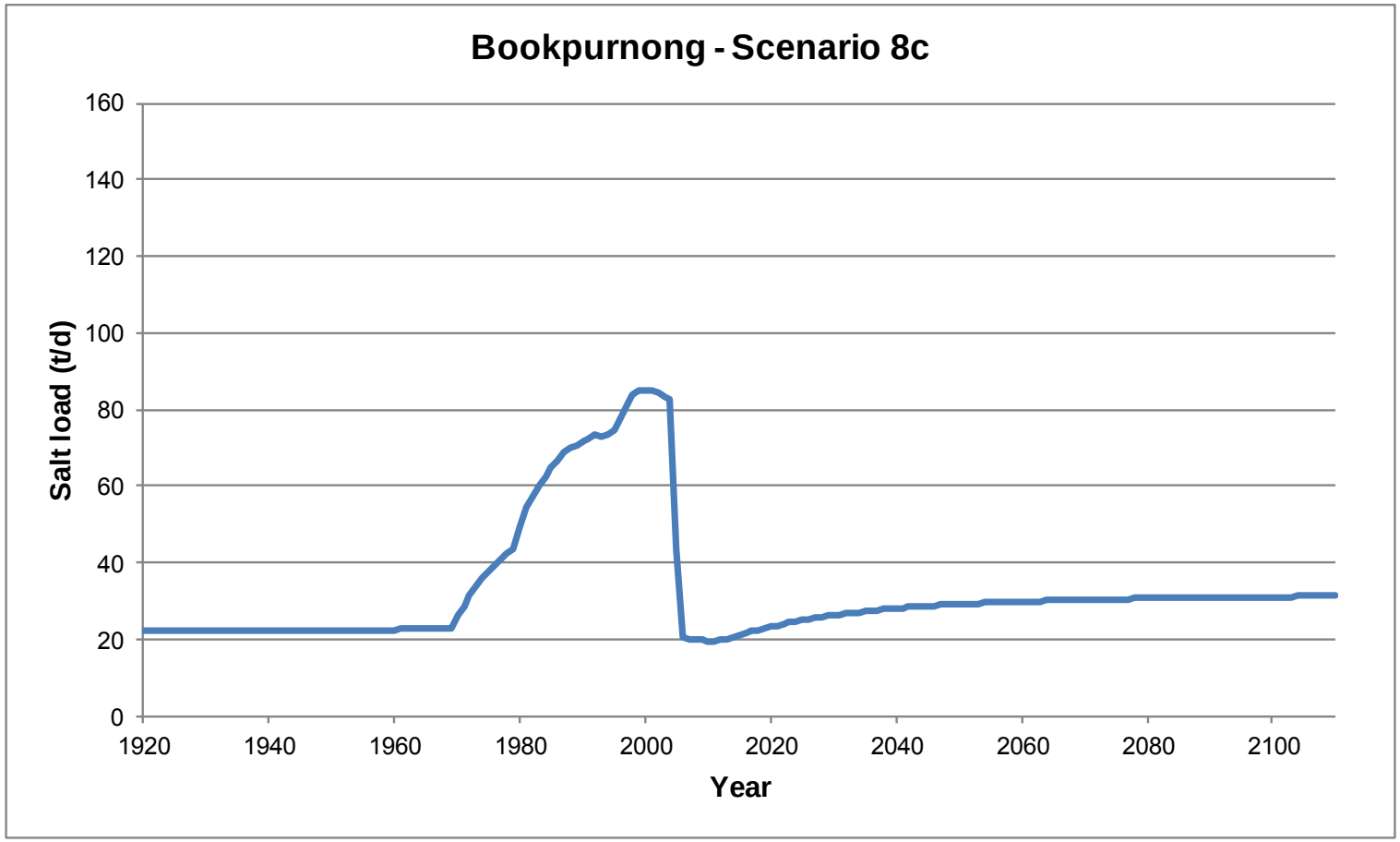
B-4b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part2/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
34699	35064	2015	2016	8.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3
35064	35430	2016	2017	9.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
35430	35795	2017	2018	9.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2
35795	36160	2018	2019	10.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6
36160	36525	2019	2020	10.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0
36525	36891	2020	2021	11.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3
36891	37256	2021	2022	11.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7
37256	37621	2022	2023	11.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1
37621	37986	2023	2024	12.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4
37986	38352	2024	2025	12.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.7
38352	38717	2025	2026	12.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
38717	39082	2026	2027	12.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3
39082	39447	2027	2028	13.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6
39447	39813	2028	2029	13.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9
39813	40178	2029	2030	13.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1
40178	40543	2030	2031	14.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4
40543	40908	2031	2032	14.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6
40908	41274	2032	2033	14.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8
41274	41639	2033	2034	14.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
41639	42004	2034	2035	14.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2
42004	42369	2035	2036	15.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4
42369	42735	2036	2037	15.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5
42735	43100	2037	2038	15.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7
43100	43465	2038	2039	15.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8
43465	43830	2039	2040	15.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
43830	44196	2040	2041	15.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1
44196	44561	2041	2042	15.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3
44561	44926	2042	2043	16.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4
44926	45291	2043	2044	16.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5
45291	45657	2044	2045	16.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6
45657	46022	2045	2046	16.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7
46022	46387	2046	2047	16.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8
46387	46752	2047	2048	16.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9
46752	47118	2048	2049	16.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0
47118	47483	2049	2050	16.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.1
47483	47848	2050	2051	16.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2
47848	48213	2051	2052	16.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3
48213	48579	2052	2053	16.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
48579	48944	2053	2054	17.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4
48944	49309	2054	2055	17.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5
49309	49674	2055	2056	17.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6
49674	50040	2056	2057	17.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6
50040	50405	2057	2058	17.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7
50405	50770	2058	2059	17.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8
50770	51135	2059	2060	17.4	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.8
51135	51501	2060	2061	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
51501	51866	2061	2062	17.5	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9
51866	52231	2062	2063	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part3/4)

Start (Model day)	Stop (Model day)	Start (y)	Stop (y)	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Z43	Z44	Z45	Z46	Z47	Total Salt Load (t/day)
52231	52596	2063	2064	17.6	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
52596	52962	2064	2065	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
52962	53327	2065	2066	17.7	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1
53327	53692	2066	2067	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
53692	54057	2067	2068	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2
54057	54423	2068	2069	17.8	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
54423	54788	2069	2070	17.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3
54788	55153	2070	2071	17.9	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4
55153	55518	2071	2072	18.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4
55518	55884	2072	2073	18.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4
55884	56249	2073	2074	18.0	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5
56249	56614	2074	2075	18.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5
56614	56979	2075	2076	18.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5
56979	57345	2076	2077	18.1	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.6
57345	57710	2077	2078	18.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.6
57710	58075	2078	2079	18.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.6
58075	58440	2079	2080	18.2	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7
58440	58806	2080	2081	18.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7
58806	59171	2081	2082	18.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7
59171	59536	2082	2083	18.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8
59536	59901	2083	2084	18.3	0.0	0.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8
59901	60267	2084	2085	18.4	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8
60267	60632	2085	2086	18.4	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8
60632	60997	2086	2087	18.4	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9
60997	61362	2087	2088	18.4	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9
61362	61728	2088	2089	18.5	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9
61728	62093	2089	2090	18.5	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9
62093	62458	2090	2091	18.5	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
62458	62823	2091	2092	18.5	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
62823	63189	2092	2093	18.6	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
63189	63554	2093	2094	18.6	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
63554	63919	2094	2095	18.6	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0
63919	64284	2095	2096	18.6	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
64284	64650	2096	2097	18.6	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
64650	65015	2097	2098	18.7	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
65015	65380	2098	2099	18.7	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
65380	65745	2099	2100	18.7	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
65745	66110	2100	2101	18.7	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
66110	66475	2101	2102	18.7	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
66475	66840	2102	2103	18.7	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
66840	67205	2103	2104	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
67205	67571	2104	2105	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
67571	67936	2105	2106	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
67936	68301	2106	2107	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2
68301	68666	2107	2108	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3
68666	69032	2108	2109	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3
69032	69397	2109	2110	18.8	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3
69397	69762	2110	2111	18.9	0.0	0.0	9.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3
Salinity (mg/L)				*40000*	*27000*	*22000*	*20000*	*28000*	*28000*	*28000*	*29000*	*29000*	*15000*	*38000*	*33000*	*32000*	

B-4b (S8c). Modelled salt load (t/d) entering the River Murray from each flow budget zone in Bookpurnong (Scenario 8c) (Part4/4)



B-4b (S8c). Graph of modelled salt load (t/d) entering the River Murray in Bookpurnong (Scenario 8c)

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-1 ESTIMATION OF ACCESSION FOR LOXTON AND BOOKPURNONG IRRIGATION AREAS (LAROONA ENVIRONMETRICS 2011)

The content in this appendix is solely from Laroona Environmetrics and has not been changed by any other parties.

ESTIMATION OF ACCESSION FOR LOXTON AND BOOKPURNONG IRRIGATION AREAS

TONY MEISSNER

February 2011

Introduction

The Department For Water (DFW) contracted Laroona Environmetrics to check and verify data on the area of irrigation and volume of water applied to horticultural crops from 1948 until 2004. The data was for two areas: - Loxton Irrigation Area and the Bookpurnong – Lock 4. These areas are shown in Figure 1. An additional task was to update the tables for years 2005 until 2009.

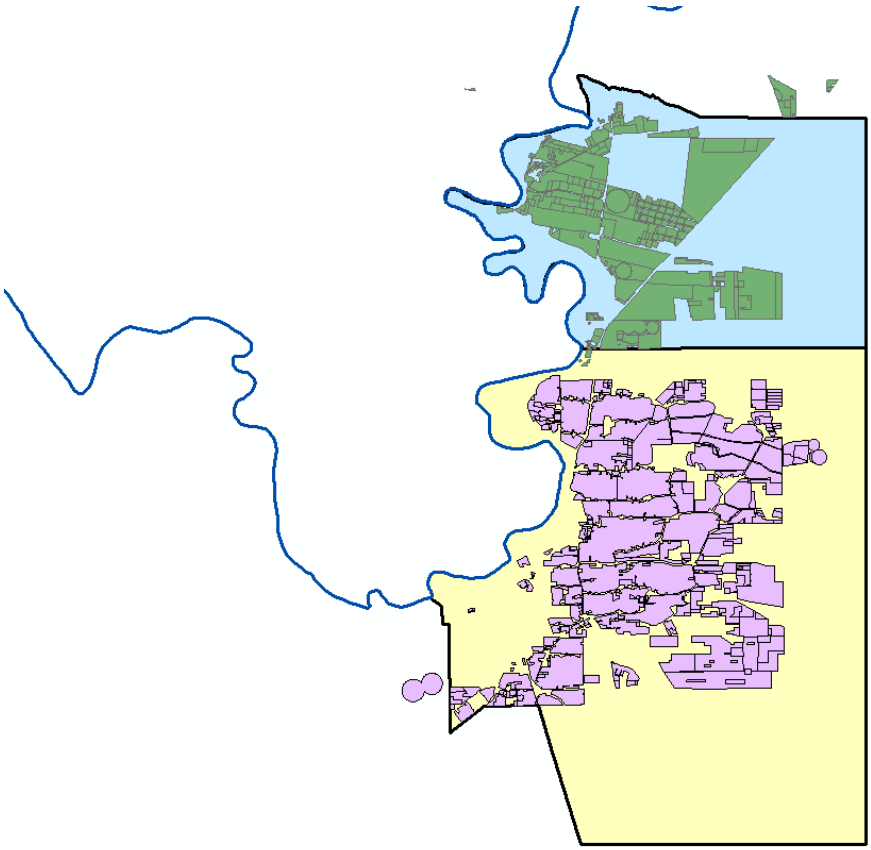


Figure 1: Loxton and Bookpurnong Irrigation Areas

An Excel file was forwarded containing the Loxton Irrigation Area data labelled "*KenSmith2003_CorrectTable* ", "*Irrigation_Area_Analysis_v2*" and "*Loxton_Booky_Usage16122010*".

Checking Data Sources

Loxton Irrigation Area

A visit to Ken Smith, (Ken Smith Technical Services) was made to verify the data contained in the Excel file bearing his name. This data it was discovered originated from a report undertaken for the Department of Water, Land and Biodiversity Conservation by Australian Water Environments (Nick Watkins 2003). On examination, the data given in the worksheet was only for the Loxton Irrigation Trust Area (LITA) and not for the other private Trusts of Media, Sherwood and Rilli or individual water licensees. Media and Sherwood Irrigation Trust areas were established after the First World War some thirty years prior to the Loxton Irrigation Trust area which was first irrigated in 1948. Rilli Irrigation area was established after LITA in the late 1950s early 1960s. The irrigated area of Media, Sherwood and Rilli are 104, 100 and 42 hectares respectively.

Aerial photographs of the Loxton Irrigation Area from the earliest to the most recent time were used to map irrigated plantings into a spatial database (GIS) by the Department of Environment and Heritage from 1920 to 2000 and later from 2003 onwards from SAMRIC crop surveys (L. Vears pers. comm). Where this information was missing, historical reports of irrigation districts were used to estimate or infer irrigated area such as from average block size and number of holdings irrigated in anyone year.

Volumes of water delivered were derived from the meter records kept by DFW water licence system WILMA. These date from 1991 until the present. Prior to metered records, estimates were derived from the LITA pump station records of electricity consumption and hours of operation. The volume of water pumped, delivered and used by licensees has being verified. Estimates of transmission losses and spillage at the end of the concrete channel systems were derived from analysis undertaken by Dr Jim Ayars (1990), USDA while working in Loxton in 1987. Spillage and transmission losses ceased after the area was converted from channel delivery to high pressure pipes in 2003/04 irrigation season.

Soon after LITA was established perched water tables above the Blanchetown Clay developed. A comprehensive drainage system (CDS) was installed that captured a proportion of the irrigation water draining past the root zone of the horticultural plants. The water collected by the drain gravitated to a number of caissons located around the irrigation area from there the water was pumped out to Katarapko Island on the river floodplain. Some water from the raised groundwater mound also was collected in this process. The incoming and the outgoing water was measured and records kept by the water delivery authority firstly by SA Water (E&WS) then by the Central Irrigation Trust (CIT).

Annual Rainfall was derived from the Bureau of Meteorology public data records (http://www.bom.gov.au/climate/data/index.shtml) of the Loxton Research Centre (1972 – present) and Pyap (before 1972).

Bookpurnong – Lock 4 Irrigation Area (BL4)

Data from the Irrigation Area spreadsheet indicates that major irrigation development of the BL4 area began in 1960. This was also confirmed by Brian Western, a local table grape grower. Prior to this only a small area was irrigated likely to have begun in the early to mid-1950s (B Western pers. comm). Irrigation water was directly pumped from the river by individual irrigators through pipes. Hence, there was negligible spillage of transmission losses. The area irrigated was derived principally from translation of aerial photography to a GIS by DEH and since 2003 from crop surveys undertaken by SAMRIC (L. Vears pers. comm). As for the LITA water use records, BL4 data was derived from pumping station records of electricity consumption (where available) and hours of operation or from the WILMA database after 1992. Where data was unavailable it volume pumped was estimated from a random generation of normally distributed data based on the calculated mean and standard deviation for the years 1992 – 2009.

Annual Rainfall was derived from the Bureau of Meteorology public data records (http://www.bom.gov.au/climate/data/index.shtml) of Berri and Pyap.

Australian Water Environments Pty Ltd (Watkins, White and Newham 2009) were able to supply a report on known drainage sumps and flow rates. Table 3.2 (p 8) in the attached report shows the relevant data and Figure 3.2 (p 9) shows the locations of the bores.

Calculation of Accession Volumes

Loxton Irrigation Area

Where there were measurements of irrigated areas these were entered into the spreadsheet (shown in blue). These were usually at the beginning of each decade except for post 2000 when from 2003 to 2008 there was an annual measurement of irrigated area from crop surveys. In the intervening years, a linear interpolation was used to estimate values for those years. The same approach was undertaken for pumped volumes.

Average spillage[1] and transmission[2] losses were calculated from data presented in the Ayars report (Ayars, J 1990). The mean value of spillage was 10% and for transmission losses it was 3% of the water volume pumped. These mean values were then applied for all years until the Loxton Irrigation Area was rehabilitated in 2003/04. For most of the time of the existence of the concrete channel delivery network, most of the water that was spilled was ponded in the low lying areas of the irrigation area where it either evaporated or percolated to the underlying regional aquifer. The remaining spillage was reused by irrigators nearby. Loss by evaporation of the volume spilled was estimated at 60%; the

1 **Spillage** is the water that flowed out at the end of the concrete channel during the delivery of water to irrigation holdings or remained in the channel when the irrigation shift ended. This ceased when the irrigation area was converted to pressurised pipes in the 2003-04 irrigation season. For about ten years prior to this, attempts were made to capture this water for reuse by irrigators. It was estimated from the following formula:-

Spillage = Delivered - Use

2 **Transmission loss** was water that was lost in transmission by concrete channels including leaks in the channel work and overflow of water over the channel sides. It was estimated by the following formula :-

Transmission Loss = Pumped - Delivered

remaining percolated to the regional groundwater either directly or indirectly from perched watertables. Transmission losses soaked into the soil surrounding the irrigation channels where it was either used by the vegetation growing on the channel reserve or percolated beyond the root zone. An estimated 80% was used by the vegetation leaving 20% percolating beyond the root zone. Irrigation efficiency values were derived from Adams and Meissner (2011) and Newman et.al. (2011). Rainfall in millimetres was converted to megalitres[3].

The estimated application volumes were calculated from the following formula:-

$$\text{Application} = \text{Pumped} + \text{Rainfall} - (\text{Spillage} + \text{Transmission losses}) \quad (1)$$

Volume past the root zone was calculated as:-

$$\text{Rootzone Drainage} = \text{Application Volume} * (1.0 - \text{Irrigation Efficiency}) \quad (2)$$

Accession from spillage and transmission losses was calculated as:-

$$\text{Accession spillage} = \text{Spillage} * 0.4 + \text{Transmission losses} * 0.3 \quad (3)$$ [4]

Total water percolating to the regional groundwater was calculated by the following formula:-

$$\text{Total accession} = \text{Rootzone Drainage} + \text{Accession spillage} - \text{Volume captured by CDS} \quad (4)$$

Bookpurnong – Lock 4

As the BL4 area consisted of individual licensed irrigators and there was no CDS, the spillage, transmission and CDS categories were not relevant. All other values were derived as for the Loxton Irrigation Area. Hence accession to the regional groundwater was estimated according to the following formula:-

$$\text{Total accession} = (\text{Pumped} + \text{Rainfall}) * (1.0 - \text{Irrigation Efficiency}) \quad (5)$$

Concluding Remarks

The Excel spreadsheet (*TonyMeissnerTable 2005Feb2011.xlsx)* contains three spreadsheets:-

- *Ken Smith's Correct table plus some additional columns for checking*
- *Loxton*
- *Two charts showing relationship between:*

  Accession Volume and Pumped Volume (Loxton Chart) and

  Accession and Pumped volume against Year (Loxton Chart (2)
- *Bookpurnong*
- *Two charts showing relationship between:*

[3] 1mm ≡ 10kL/ha

4 A value of 0.3 was used as it was estimated that 0.7 of the volume that was spilled or lost was used by plants transpiration and evaporation from water surfaces (see earlier discussion).

Accession Volume and Pumped Volume (BL4 Chart) and

Accession and Pumped volume against Year (BL4 Chart (2)

Data has been checked and validated where this was possible against easily obtainable official data e.g. WILMA licence database. Where data was missing it was either estimated from linear interpolation from known points or estimated from average values. This last point applies especially to the Bookpurnong - Lock 4 data. More time would be needed to obtain more definitive data or search to see if such data exists. Central Irrigation Trust and Department For Water have original files that could be examined for the volumetric data or pumping station records.

Irrigation efficiency data was estimated from two complementary sources of Adams and Meissner and Newman et.al. cited in this report.

Loxton Chart 2 shows that accession volumes per hectare were closely correlated with pumped volumes/ha. The Bookpurnong-Lock 4 chart 2 (BL4 Chart (2)) is in contrast to Loxton in that accession volumes per hectare were uncorrelated with application per hectare. Instead annual total accession volumes are correlated with total pumped volumes. This is likely due to the greater uncertainty in application volumes for BL4 as volume applied was based on mean application for years 1992 onwards.

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Watkins N, White G and Newham D (2009) *Bookpurnong Land and Water Management Plan Perched Water Investigations – Final.* Australian Water Environments, Eastwood SA Project 09036a.

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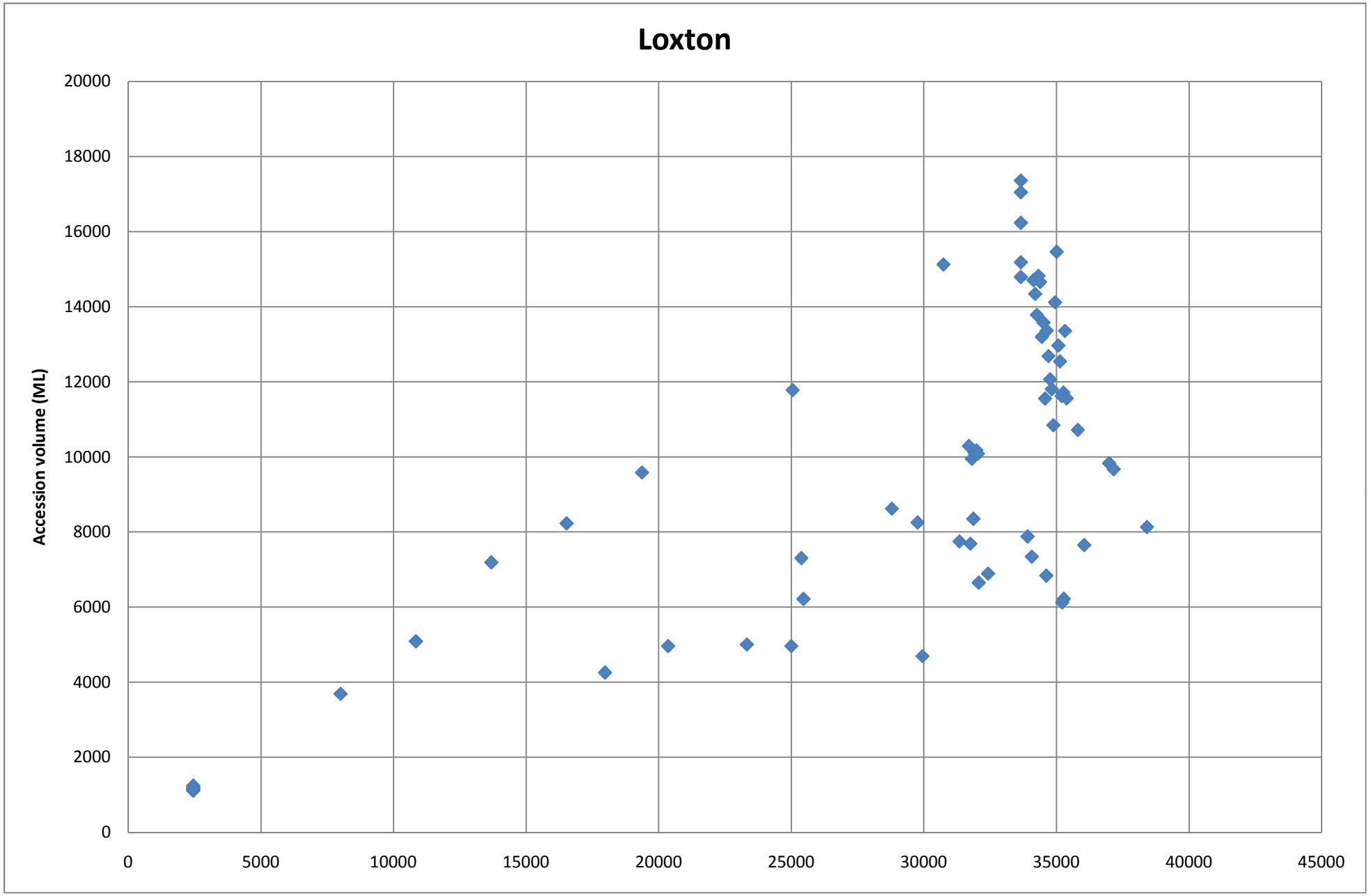
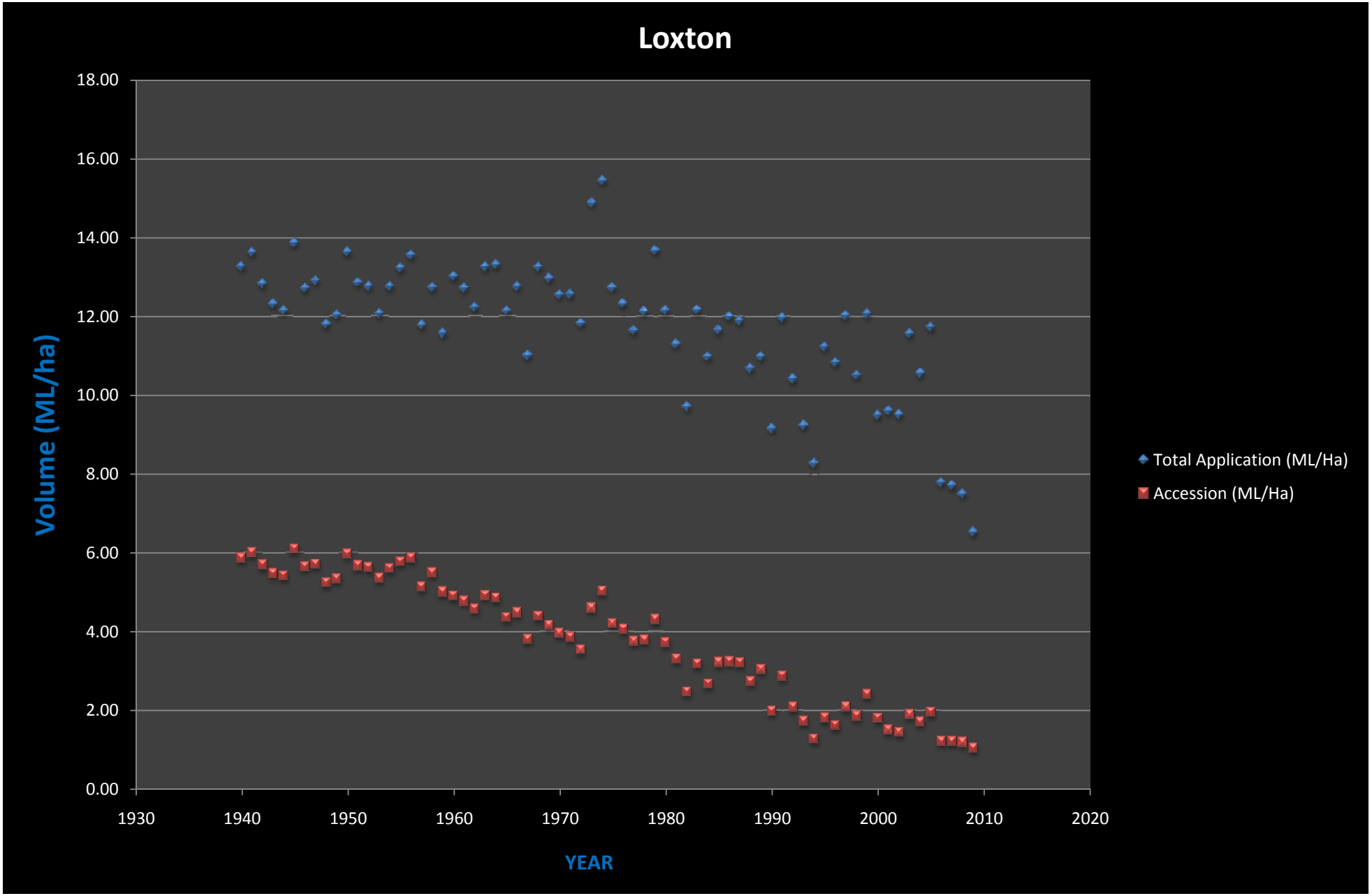
Year	Irrigation Area (ha)	Pumped Volume (ML)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Adopted application (ML)	Application Efficiency	Volume Past root zone (ML)	Accession from spill + transmission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Total Application (ML/Ha)	Accession (ML/Ha)	CDS/Adopted Application (%)
1940	204	2448	245	73	281	573	2703	0.60	1081	113	0	1194	13.25	5.85	0.0%
1941	204	2448	245	73	317	646	2776	0.60	1110	113	0	1223	13.61	6.00	0.0%
1942	204	2448	245	73	238	485	2614	0.60	1046	113	0	1158	12.82	5.68	0.0%
1943	204	2448	245	73	186	380	2510	0.60	1004	113	0	1116	12.30	5.47	0.0%
1944	204	2448	245	73	170	346	2476	0.60	990	113	0	1103	12.14	5.41	0.0%
1945	204	2448	245	73	341	696	2825	0.60	1130	113	0	1243	13.85	6.09	0.0%
1946	204	2448	245	73	227	462	2592	0.60	1037	113	0	1149	12.71	5.63	0.0%
1947	204	2448	245	73	245	500	2630	0.60	1052	113	0	1165	12.89	5.71	0.0%
1948	704	8003	800	240	190	1335	8298	0.60	3319	368	0	3687	11.79	5.24	0.0%
1949	954	10845	1085	325	213	2036	11471	0.60	4588	499	0	5087	12.02	5.33	0.0%
1950	1204	13686	1369	411	373	4492	16399	0.60	6560	630	0	7189	13.62	5.97	0.0%
1951	1454	16528	1653	496	295	4294	18673	0.60	7469	760	0	8229	12.84	5.66	0.0%
1952	1704	19370	1937	581	286	4875	21727	0.60	8691	891	0	9582	12.75	5.62	0.0%
1953	2204	25054	2505	752	217	4772	26569	0.60	10627	1152	0	11780	12.05	5.34	0.0%
1954	2704	30738	3074	922	286	7725	34467	0.60	13787	1414	75	15126	12.75	5.59	0.2%
1955	2961	33659	3366	1010	333	9845	39129	0.60	15651	1548	150	17050	13.21	5.76	0.4%
1956	2961	33659	3366	1010	365	10811	40094	0.60	16038	1548	225	17361	13.54	5.86	0.6%
1957	2961	33659	3366	1010	188	5558	34841	0.60	13936	1548	300	15185	11.77	5.13	0.9%
1958	2961	33659	3366	1010	283	8374	37657	0.60	15063	1548	375	16236	12.72	5.48	1.0%
1959	2961	33659	3366	1010	167	4951	34234	0.60	13694	1548	450	14792	11.56	5.00	1.3%
1960	3003	34136	3414	1024	311	9339	39038	0.65	13663	1570	525	14709	13.00	4.90	1.3%
1961	3009	34199	3420	1026	281	8448	38201	0.65	13370	1573	600	14343	12.70	4.77	1.6%
1962	3014	34261	3426	1028	232	6999	36806	0.65	12882	1576	675	13783	12.21	4.57	1.8%
1963	3020	34324	3432	1030	335	10124	39986	0.65	13995	1579	750	14824	13.24	4.91	1.9%
1964	3025	34386	3439	1032	341	10303	40219	0.65	14077	1582	1000	14659	13.30	4.85	2.5%
1965	3031	34449	3445	1033	224	6782	36753	0.65	12864	1585	1250	13198	12.13	4.36	3.4%
1966	3036	34512	3451	1035	285	8662	38687	0.65	13540	1588	1550	13578	12.74	4.47	4.0%
1967	3042	34574	3457	1037	111	3388	33468	0.65	11714	1590	1750	11554	11.00	3.80	5.2%
1968	3047	34637	3464	1039	335	10204	40338	0.65	14118	1593	2350	13362	13.24	4.39	5.8%
1969	3053	34699	3470	1041	306	9353	39541	0.65	13839	1596	2750	12686	12.95	4.16	7.0%
1970	3058	34762	3476	1043	265	8091	38334	0.65	13417	1599	2950	12066	12.54	3.95	7.7%
1971	3064	34824	3482	1045	265	8131	38428	0.65	13450	1602	3250	11802	12.54	3.85	8.5%
1972	3069	34887	3489	1047	192	5896	36247	0.65	12686	1605	3450	10841	11.81	3.53	9.5%
1973	3075	34949	3495	1048	499	15339	45744	0.65	16011	1608	3500	14118	14.88	4.59	7.7%
1974	3080	35012	3501	1050	556	17119	47579	0.65	16653	1611	2800	15463	15.45	5.02	5.9%
1975	3086	35074	3507	1052	285	8778	39293	0.65	13752	1613	2400	12966	12.73	4.20	6.1%
1976	3091	35137	3514	1054	244	7536	38105	0.65	13337	1616	2409	12544	12.33	4.06	6.3%
1977	3097	35199	3520	1056	175	5406	36030	0.65	12610	1619	2610	11620	11.64	3.75	7.2%
1978	3102	35262	3526	1058	224	6933	37611	0.65	13164	1622	3070	11716	12.12	3.78	8.2%
1979	3108	35324	3532	1060	379	11787	42519	0.65	14882	1625	3150	13357	13.68	4.30	7.4%
1980	3113	35387	3539	1062	225	7017	37803	0.65	13231	1628	3300	11559	12.14	3.71	8.7%
1981	3119	31701	3170	951	245	7647	35226	0.65	12329	1458	3500	10287	11.30	3.30	9.9%
1982	3124	31757	3176	953	87	2705	30334	0.65	10617	1461	4391	7687	9.71	2.46	14.5%
1983	3130	31813	3181	954	331	10349	38026	0.65	13309	1463	4823	9950	12.15	3.18	12.7%
1984	3135	31869	3187	956	213	6668	34394	0.65	12038	1466	5155	8349	10.97	2.66	15.0%
1985	3141	31925	3192	958	280	8803	36577	0.65	12802	1469	4172	10099	11.65	3.22	11.4%
1986	3146	31980	3198	959	315	9907	37730	0.65	13205	1471	4500	10177	11.99	3.23	11.9%
1987	3152	32036	3204	961	304	9584	37455	0.65	13109	1474	4500	10083	11.88	3.20	12.0%
1988	3157	28795	2880	864	274	8647	33699	0.65	11795	1325	4500	8619	10.67	2.73	13.4%
1989	3535	35809	3581	1074	216	7622	38776	0.65	13571	1647	4500	10719	10.97	3.03	11.6%
1990	3913	31343	3134	940	219	8578	35847	0.70	10754	1442	4450	7746	9.16	1.98	12.4%
1991	3430	36992	3699	1110	258	8853	41035	0.70	12311	1702	4183	9829	11.96	2.87	10.2%
1992	3521	25381	2538	761	414	14580	36661	0.70	10998	1168	4862	7304	10.41	2.07	13.3%
1993	3612	25462	2546	764	311	11226	33377	0.70	10013	1171	4970	6214	9.24	1.72	14.9%
1994	3703	29948	2995	898	124	4606	30661	0.70	9198	1378	5885	4691	8.28	1.27	19.2%
1995	3794	34620	3029	909	314	11905	42586	0.75	10647	1393	5205	6835	11.23	1.80	12.2%
1996	3848	35278	2646	794	256	9842	41681	0.75	10420	1217	5417	6220	10.83	1.62	13.0%
1997	3902	38415	2401	720	298	11627	46921	0.75	11730	1104	4704	8131	12.03	2.08	10.0%
1998	3963	34072	1704	511	247	9789	41646	0.75	10412	784	3855	7340	10.51	1.85	9.3%
1999	4025	37158	1393	418	329	13242	48589	0.75	12147	641	3117	9671	12.07	2.40	6.4%
2000	4593	29766	744	223	323	14811	43610	0.75	10903	342	2994	8251	9.50	1.80	6.9%
2001	4441	32071	401	120	250	11110	42660	0.80	8532	184	2068	6648	9.61	1.50	4.8%
2002	4241	35221	0	0	121	5132	40353	0.80	8071	0	1950	6121	9.51	1.44	4.8%
2003	4042	36048	0	0	265	10711	46759	0.80	9352	0	1700	7652	11.57	1.89	3.6%
2004	4041	32423	0	0	254	10277	42700	0.80	8540	0	1650	6890	10.57	1.70	3.9%
2005	4041	33912	0	0	334	13482	47394	0.80	9479	0	1600	7879	11.73	1.95	3.4%
2006	4115	25003	0	0	171	7045	32048	0.80	6410	0	1450	4960	7.79	1.21	4.5%
2007	4121	20356	0	0	278	11437	31793	0.80	6359	0	1400	4959	7.71	1.20	4.4%
2008	4229	23326	0	0	199	8428	31754	0.80	6351	0	1350	5001	7.51	1.18	4.3%
2009	4100	17977	0	0	214	8790	26767	0.80	5353	0	1100	4253	6.53	1.04	4.1%

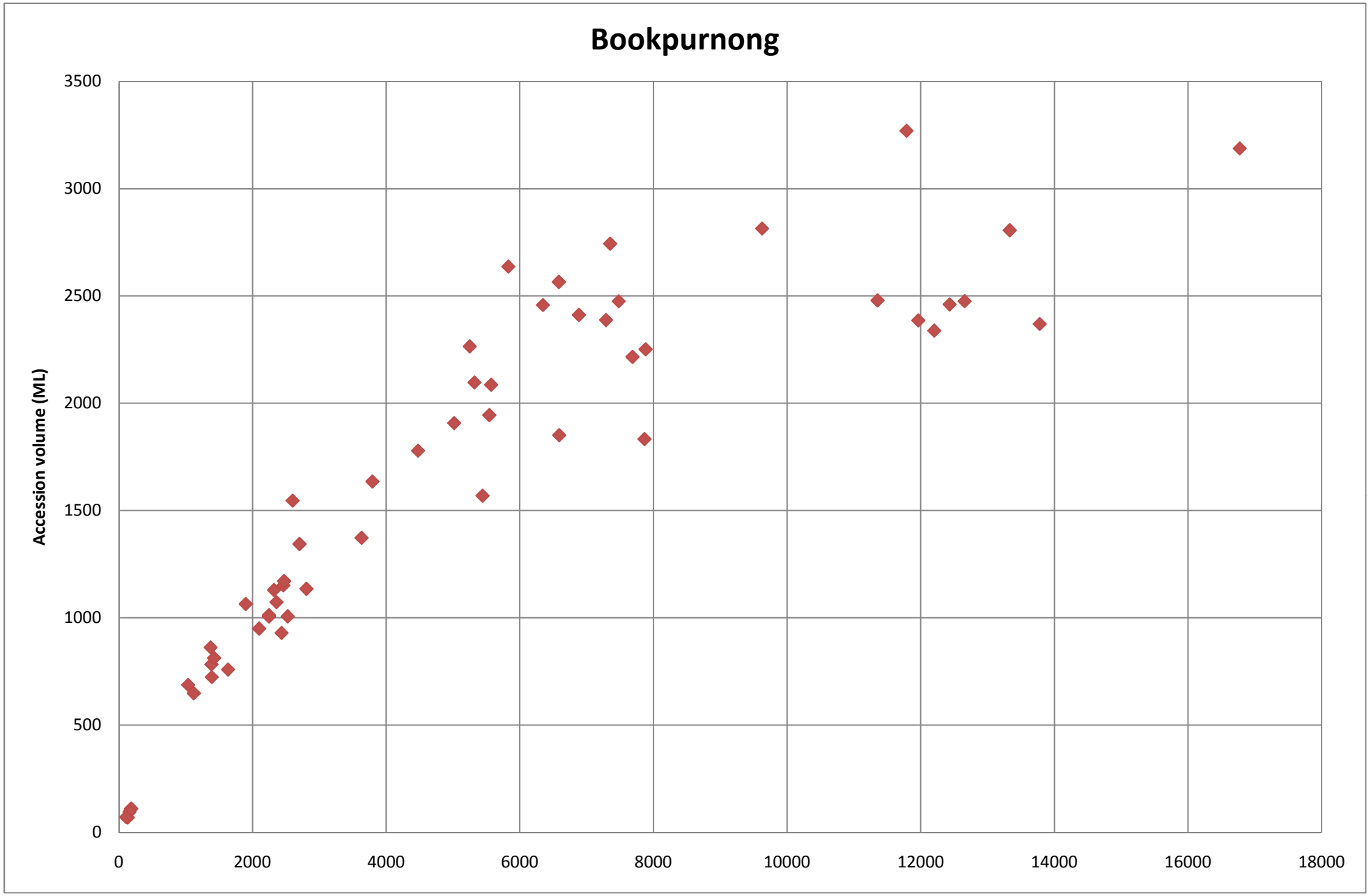
Calculated irrigation accessions for Loxton (Lisdon Associates 2011)

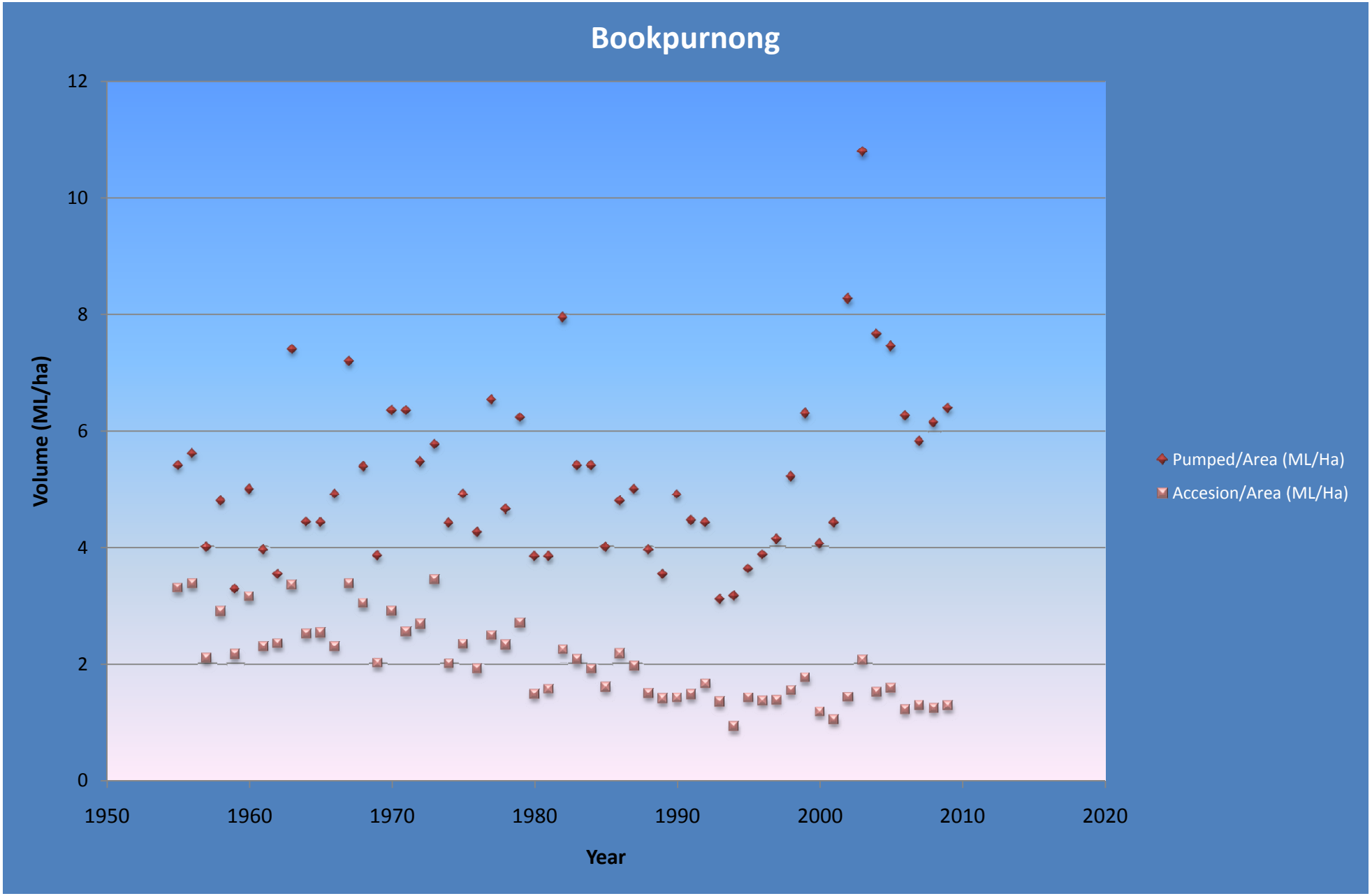

Loxton
Accession volume (ML)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
5000
10000
15000
20000
25000
30000
35000
40000
45000


Loxton
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Volume (ML/ha)
1930
1940
1950
1960
1970
1980
1990
2000
2010
2020
YEAR
Total Application (ML/Ha)
Accession (ML/Ha)

Year	Irrigation Area (ha)	Pumped Volume (ML)	Spillage (ML)	Transmission Losses (ML)	Rainfall (mm)	Rainfall (ML)	Adopted application (ML)	Application Efficiency	Volume Past root zone (ML)	Accession from spill + transmission losses (ML)	CDS Volume (ML)	Accession volume (ML)	Pumped/Area (ML/Ha)	Accesion/Area (ML/Ha)
1955	33	179			282	93	271	0.60	109			109	5.41	3.29
1956	33	184			279	92	276	0.60	110			110	5.61	3.36
1957	33	131			122	40	171	0.60	68			68	3.99	2.08
1958	33	157			243	80	236	0.60	95			95	4.78	2.88
1959	33	107			210	69	176	0.60	70			70	3.27	2.15
1960	274	1372			285	782	2153	0.60	861			861	5.00	3.14
1961	284	1119			258	732	1851	0.65	648			648	3.94	2.28
1962	294	1034			316	928	1962	0.65	687			687	3.52	2.34
1963	303	2245			213	647	2893	0.65	1012			1012	7.40	3.34
1964	313	1384			272	851	2235	0.65	782			782	4.42	2.50
1965	323	1424			278	897	2321	0.65	812			812	4.41	2.52
1966	332	1633			161	534	2167	0.65	758			758	4.91	2.28
1967	342	2460			242	827	3288	0.65	1151			1151	7.19	3.36
1968	352	1897			325	1144	3040	0.65	1064			1064	5.39	3.02
1969	362	1388			188	679	2067	0.65	723			723	3.84	2.00
1970	371	2357			328	1218	3576	0.70	1073			1073	6.35	2.89
1971	398	2525			209	830	3355	0.70	1006			1006	6.35	2.53
1972	424	2319			341	1444	3764	0.70	1129			1129	5.47	2.66
1973	450	2599			567	2553	5152	0.70	1546			1546	5.77	3.43
1974	477	2098			224	1066	3164	0.70	949			949	4.40	1.99
1975	503	2471			285	1432	3903	0.70	1171			1171	4.91	2.33
1976	530	2245			209	1107	3352	0.70	1006			1006	4.24	1.90
1977	556	3631			170	944	4575	0.70	1372			1372	6.53	2.47
1978	582	2702			305	1776	4478	0.70	1344			1344	4.64	2.31
1979	609	3793			272	1657	5450	0.70	1635			1635	6.23	2.69
1980	635	2433			202	1284	3716	0.75	929			929	3.83	1.46
1981	733	2805			237	1733	4539	0.75	1135			1135	3.83	1.55
1982	830	6589			98	814	7403	0.75	1851			1851	7.94	2.23
1983	927	5016			282	2613	7629	0.75	1907			1907	5.41	2.06
1984	1025	5543			218	2235	7778	0.75	1944			1944	5.41	1.90
1985	1122	4477			235	2639	7115	0.75	1779			1779	3.99	1.59
1986	1219	5828			387	4719	10547	0.75	2637			2637	4.78	2.16
1987	1317	6583			279	3677	10261	0.75	2565			2565	5.00	1.95
1988	1414	5571			196	2773	8344	0.75	2086			2086	3.94	1.48
1989	1511	5320			203	3068	8388	0.75	2097			2097	3.52	1.39
1990	1609	7883			210	3373	11256	0.80	2251			2251	4.90	1.40
1991	1638	7289			284	4649	11938	0.80	2388			2388	4.45	1.46
1992	1667	7352			382	6366	13718	0.80	2744			2744	4.41	1.65
1993	1697	5250			358	6074	11324	0.80	2265			2265	3.09	1.33
1994	1726	5442			139	2401	7843	0.80	1569			1569	3.15	0.91
1995	1755	6344			339	5943	12288	0.80	2458			2458	3.61	1.40
1996	1785	6884			290	5174	12057	0.80	2411			2411	3.86	1.35
1997	1814	7479			270	4898	12377	0.80	2475			2475	4.12	1.36
1998	1843	9626			241	4446	14072	0.80	2814			2814	5.22	1.53
1999	1873	11788			244	4560	16348	0.80	3270			3270	6.30	1.75
2000	1902	7686			373	7086	14772	0.85	2216			2216	4.04	1.17
2001	1786	7865			244	4353	12217	0.85	1833			1833	4.40	1.03
2002	1670	13781			121	2014	15795	0.85	2369			2369	8.25	1.42
2003	1554	16775			288	4475	21250	0.85	3187			3187	10.79	2.05
2004	1653	12656			233	3848	16504	0.85	2476			2476	7.66	1.50
2005	1791	13333			300	5375	18708	0.85	2806			2806	7.45	1.57
2006	1949	12203			174	3387	15590	0.85	2338			2338	6.26	1.20
2007	1949	11353			266	5175	16528	0.85	2479			2479	5.82	1.27
2008	1947	11964			202	3941	15905	0.85	2386			2386	6.14	1.23
2009	1947	12433			204	3970	16403	0.85	2461			2461	6.39	1.26

Calculated irrigation accessions for Bookpurnong (Lisdon Associates 2011)


Bookpurnong
Accession volume (ML)
3500
3000
2500
2000
1500
1000
500
0
0
2000
4000
6000
8000
10000
12000
14000
16000
18000


Bookpurnong
Volume (ML/ha)
12
10
8
6
4
2
0
1950
1960
1970
1980
1990
2000
2010
2020
Year
Pumped/Area (ML/Ha)
Accesion/Area (ML/Ha)

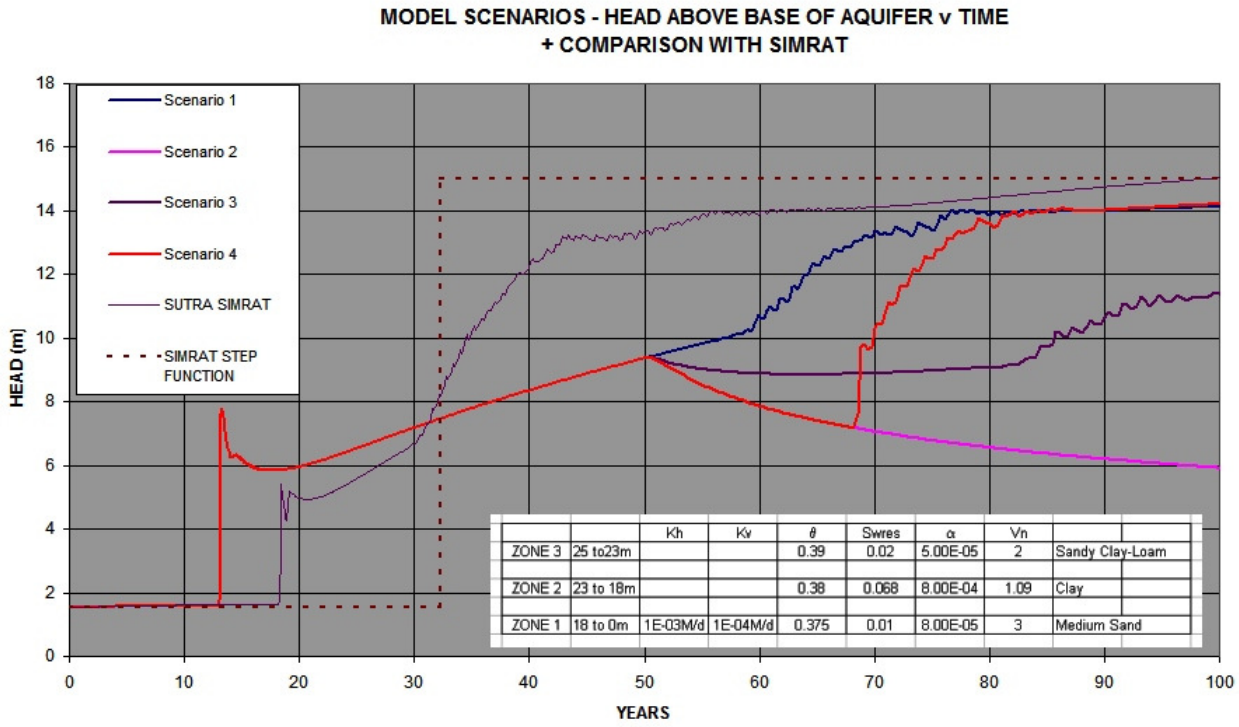
Year	Irrigation Area (ha)	Pumped Volume (ML)	Rainfall (mm)	Rainfall (ML)	Transmission loss (ML)	Adopted application (ML)	Application Efficiency	Volume Past root zone (ML)	CDS Volume (ML)	Accession from transmission losses (ML)	Accession volume (ML)	ML/Ha
1948	500	5684	189.7	949	905	5728	0.7	1718	0	597	2315	11.4
1949	750	8526	213.4	1601	1357	8770	0.7	2631	0	895	3526	11.4
1950	1000	11367	373.1	3731	1810	13288	0.7	3986	0	1193	5179	11.4
1951	1250	14209	295.3	3691	2262	15638	0.7	4691	0	1492	6183	11.4
1952	1500	17051	286.1	4292	2715	18628	0.7	5588	0	1790	7378	11.4
1953	2000	22735	216.5	4330	3620	23445	0.7	7034	0	2387	9421	11.4
1954	2500	28419	285.7	7143	4525	31037	0.7	9311	75	2983	12219	11.4
1955	2757	31340	332.5	9167	4800	35707	0.7	10712	150	3290	13852	11.4
1956	2757	31340	365.1	10066	4800	36606	0.7	10982	225	3290	14047	11.4
1957	2757	31340	187.7	5175	4800	31715	0.7	9514	300	3290	12504	11.4
1958	2757	31340	282.8	7797	4800	34337	0.7	10301	375	3290	13216	11.4
1959	2757	31340	167.2	4610	4800	31150	0.7	9345	450	3290	12185	11.4
1960	2757	31340	311	8574	4800	35114	0.7	10534	525	3290	13299	11.4
1961	2757	31340	280.8	7742	4800	34282	0.7	10284	600	3290	12974	11.4
1962	2757	31340	232.2	6402	4800	32942	0.7	9883	675	3290	12498	11.4
1963	2757	31340	335.3	9244	4800	35784	0.7	10735	750	3290	13275	11.4
1964	2757	31340	340.6	9390	4800	35930	0.7	10779	1000	3290	13069	11.4
1965	2757	31340	223.8	6170	4800	32710	0.7	9813	1250	3290	11853	11.4
1966	2757	31340	285.3	7866	4800	34406	0.7	10322	1550	3290	12062	11.4
1967	2757	31340	111.4	3071	4800	29611	0.7	8883	1750	3290	10423	11.4
1968	2757	31340	334.9	9233	4800	35773	0.7	10732	2350	3290	11672	11.4
1969	2757	31340	306.4	8447	4800	34987	0.7	10496	2750	3290	11036	11.4
1970	2757	31340	264.6	7295	4800	33835	0.7	10151	2950	3290	10491	11.4
1971	2757	31340	265.4	7317	4800	33857	0.7	10157	3250	3290	10197	11.4
1972	2757	31340	192.1	5296	4800	31836	0.7	9551	3450	3290	9391	11.4
1973	2757	31340	498.9	13755	4800	40295	0.7	12088	3500	3290	11878	11.4
1974	2757	31340	555.8	15323	4800	41863	0.7	12559	2800	3290	13049	11.4
1975	2757	31340	284.5	7844	4800	34384	0.7	10315	2400	3290	11205	11.4
1976	2757	31340	243.8	6722	4800	33262	0.7	9978	2409	3290	10859	11.4
1977	2757	31340	174.6	4814	4800	31354	0.7	9406	2610	3290	10086	11.4
1978	2757	31340	223.5	6162	4800	32702	0.7	9811	3070	3290	10031	11.4
1979	2757	31340	379.3	10457	4800	36997	0.7	11099	3150	3290	11239	11.4
1980	2757	31340	225.4	6214	4800	32754	0.7	9826	3300	3290	9816	11.4
1981	3083	31340	245.2	7560	4800	34100	0.7	10230	3500	3290	10020	10.2
1982	3083	31340	86.6	2670	4800	29210	0.7	8763	4391	3290	7662	10.2
1983	3083	31340	330.7	10195	4800	36735	0.7	11021	4823	3290	9488	10.2
1984	3083	31340	212.7	6558	4800	33098	0.7	9929	5155	3290	8064	10.2
1985	3083	31340	280.3	8642	4800	35182	0.7	10554	4172	3290	9672	10.2
1986	3083	31340	314.9	9708	4800	36248	0.7	10875	4500	3290	9665	10.2
1987	3083	31340	304.1	9375	4800	35915	0.7	10775	4500	3290	9565	10.2
1988	3436	31340	273.9	9411	4800	35951	0.7	10785	4500	3290	9575	9.1
1989	3094	31340	215.6	6671	4800	33211	0.7	9963	4500	3290	8753	10.1
1990	3913	31340	219.2	8577	4800	35117	0.7	10535	4450	3290	9375	8.0
1991	3094	33369	258.1	7986	4800	36555	0.7	10966	4183	3290	10073	10.8
1992	3094	33582	414.1	12812	4800	41594	0.8	8319	4862	3290	6747	10.9
1993	3094	26455	310.8	9616	4800	31271	0.8	6254	4970	3290	4574	8.6
1994	3094	29501	124.4	3849	2279	31071	0.8	6214	5885	579	908	9.5
1995	3208	38063	313.8	10067	6471	41659	0.8	8332	5205	4771	7898	11.9
1996	3208	32330	255.8	8206	5866	34670	0.8	6934	5417	4166	5683	10.1
1997	3343	35751	296.6	9915	8110	37556	0.8	7511	4704	6410	9217	10.7
1998	3343	31780	265.8	8886	4061	36605	0.8	7321	3855	2361	5827	9.5
1999	3193	34649	259.8	8295	4067	38877	0.8	7775	3117	2367	7025	10.9
2000	4593	29766	322.5	14812	6457	38121	0.8	7624	2994	4757	9387	6.5
2001	4409	32071	250.2	11032	7367	35736	0.8	7147	2068	5667	10746	7.3
2002	4226	35221	121	5113	0	40334	0.8	5465	1949	0	3516	8.3
2003	4042	36048	265	10711	0	46759	0.8	5721	1950	0	3771	8.9
2004	4041	32423	254.3	10276	0		0.8					
2005	4041	33912	333.6	13481	0		0.8					
2006	4115	2353	171.2	7045	0		0.8					
2007	4121	1887	277.5	11436	0		0.8					
2008	4229	1673	199.3	8428	0		0.8					
2009	4100	1584	214.4	8790	0		0.8					

Calculated irrigation accessions for Loxton (Ken Smith 2003)

C-2 LAG-TIME STUDY – SUTRA MODEL BASED ON LOXTON HYDROGEOLOGY PROFILE (LISDON ASSOCIATES 2010)

The content in this appendix is solely from Lisdon Associates and has not been changed by any other parties.

LAG-TIME STUDY – SUTRA MODEL BASED ON LOXTON HYDROGEOLOGICAL PROFILE.



		Kh	Kv	θ	Swres	α	Vn	
ZONE 3	25 to23m			0.39	0.02	5.00E-05	2	Sandy Clay-Loam
ZONE 2	23 to 18m			0.38	0.068	8.00E-04	1.09	Clay
ZONE 1	18 to 0m	1E-03M/d	1E-04M/d	0.375	0.01	8.00E-05	3	Medium Sand

Prepared for DWLBC

by lisdon associates May 2010

LAG-TIME STUDY – SUTRA MODEL BASED ON LOXTON HYDROGEOLOGICAL PROFILE.

This modelling exercise is designed to improve our understanding of the behaviour of the aquifer systems adjacent to the River Murray in terms of response to various recharge scenarios. The Saturated Unsaturated TRAnsport (finite element) model (SUTRA) developed by the USGS was used in the 2D mode.

Unsaturated zone simulations require that the appropriate properties be programmed in a subroutine USUBS (see Appendix A) and then recompiled into the executable form. The properties of the unsaturated zone are those developed by VanGenuchten (1980). Three parameters ,$SW_{res,}$ α and Vn, are employed to describe the relationship between negative pressure (soil suction p_c), saturation and unsaturated Hydraulic Conductivity. (see Appendix B)

The vertical slice profile simulated on a mesh of 25 rows of 1m height and 600 columns each of which is 5m wide, is :-

Surface to –2m Loamy soil Kh = 1m/d Kv=0.1m/d n=0.35
VanGenuchten parameters Sw_{res} =0.02 ; $\alpha = 5 \times 10^{-5}$; Vn = 2.0

-2m to –7m Clay Kh = 10^{-3}m/d Kv = 10^{-4}m/d n = 0.51
VanGenuchten parameters Sw_{res} = 0.068 ; $\alpha = 8 \times 10^{-4}$; Vn = 1.09

-7m to –25m Sand Kh = 5m/d Kv = 1m/d n = 0.37
VanGenuchten parameters Sw_{res} = 0.01; $\alpha = 8 \times 10^{-5}$; Vn = 3.0

The initial water level is set to –24m and is controlled by “constant” head cells at that level on the right end of the model domain.

Four scenarios were modelled as follows ;-

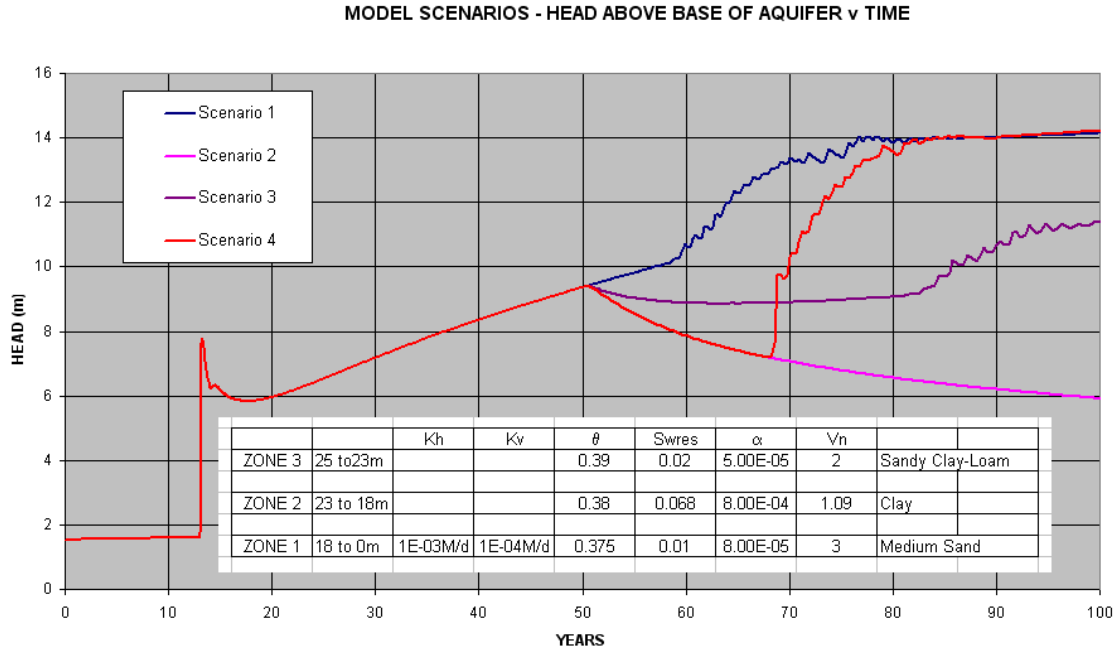
SCENARIO 1	200mm/yr recharge over a 500m zone at the left side of the model domain. 100years of continuous recharge were simulated.
SCENARIO 2	50years of 200mm/yr recharge followed by 49years of zero recharge.
SCENARIO 3	50years of 200mm/yr recharge followed by 49years of 100mm/yr recharge.
SCENARIO 4	50years of 200mm/yr recharge followed by 10 yrs of zero recharge then 40 yrs of 200mm/yr recharge

Head observations were collected from a point located at the base of the model and 100m from the left end i.e.1m below the water table and directly beneath the simulated recharge area.

The model heads observed during the four scenarios are presented in Figure 1 from which it can be deduced that the initial response to the commencement of recharge occurs after ~12years. The large response at around year 12 to 13 is due to the saturation level in the sand approaching 1 hence the full vertical hydraulic conductivity of the sand is activated causing relatively rapid drainage to the water table. A similar response is seen in the second recharge phase in SCENARIO 4 at around 68 years and in SCENARIO 1 the “rapid drainage” effect is manifest again between years 60 and 75.

The response to a change in recharge rate (either halving or complete cessation) occurs within 1 year at around the 50 to 51 year mark.

Restarting recharge at 60 years, after 10 years of no-recharge, produces a much dampened revival of heads with a response time of the order of 8 years.



		Kh	Kv	θ	Swres	α	Vn	
ZONE 3	25 to23m			0.39	0.02	5.00E-05	2	Sandy Clay-Loam
ZONE 2	23 to 18m			0.38	0.068	8.00E-04	1.09	Clay
ZONE 1	18 to 0m	1E-03M/d	1E-04M/d	0.375	0.01	8.00E-05	3	Medium Sand

Figure 1 Heads developed under the four scenarios modelled.

This head response is in fact due to the superposition of declining water level due to cessation of recharge after 50 years and any increase due to the renewed recharge after 60 years.

It is interesting to note that under SCENARIO 3, in which the recharge rate was halved, the head falls initially after the change in rate but later begins to increase at a lower rate than observed in the first 50 years for similar reasons.(superposition)

The detailed head behaviour in SCENARIO 4 is plotted in figure 2.

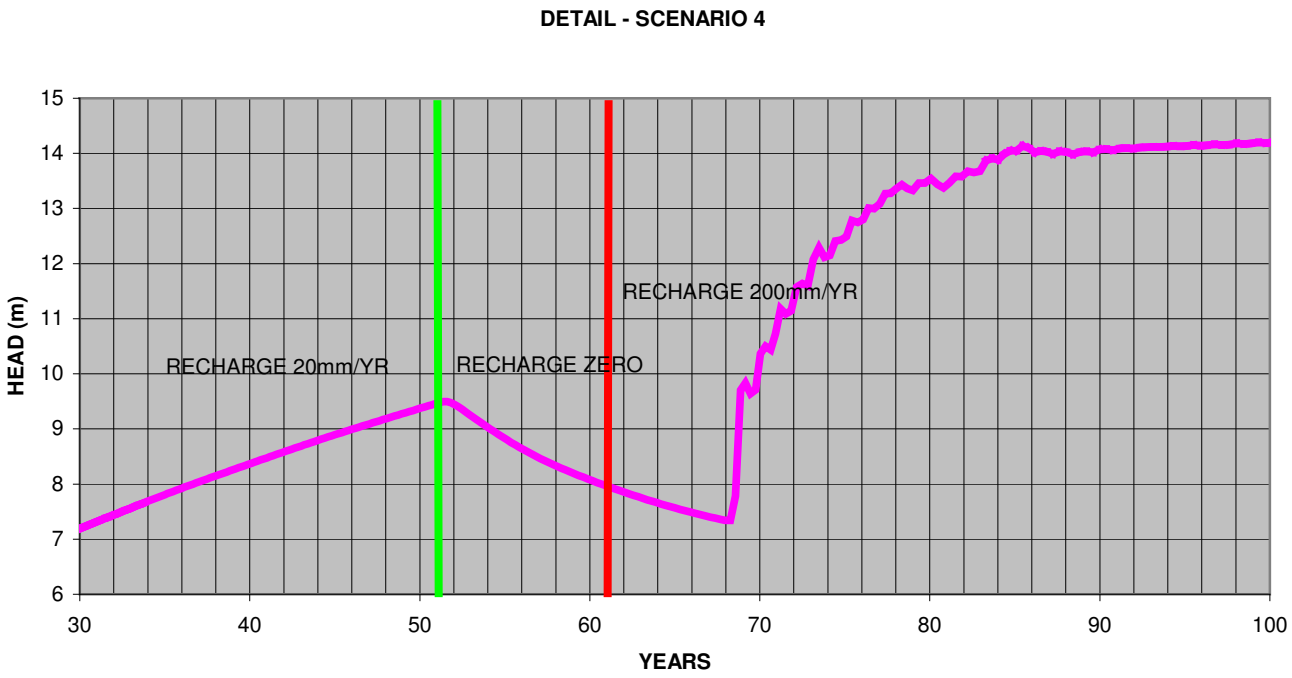


Figure 2 Detail of head changes is SCENARIO 4

Saturation profiles for

- early years of the development of the groundwater mound in all scenarios (figure 2),
- saturation at 20.12, 32, 50 and 77 years under SCENARIO 2 (figure 3),
- saturation at 20.12, 31.7 and 77 years for SCENARIO 3 (figure 4)
- saturations during the second recharge phase in SCENARIO 4 (figure 5)

are shown below.

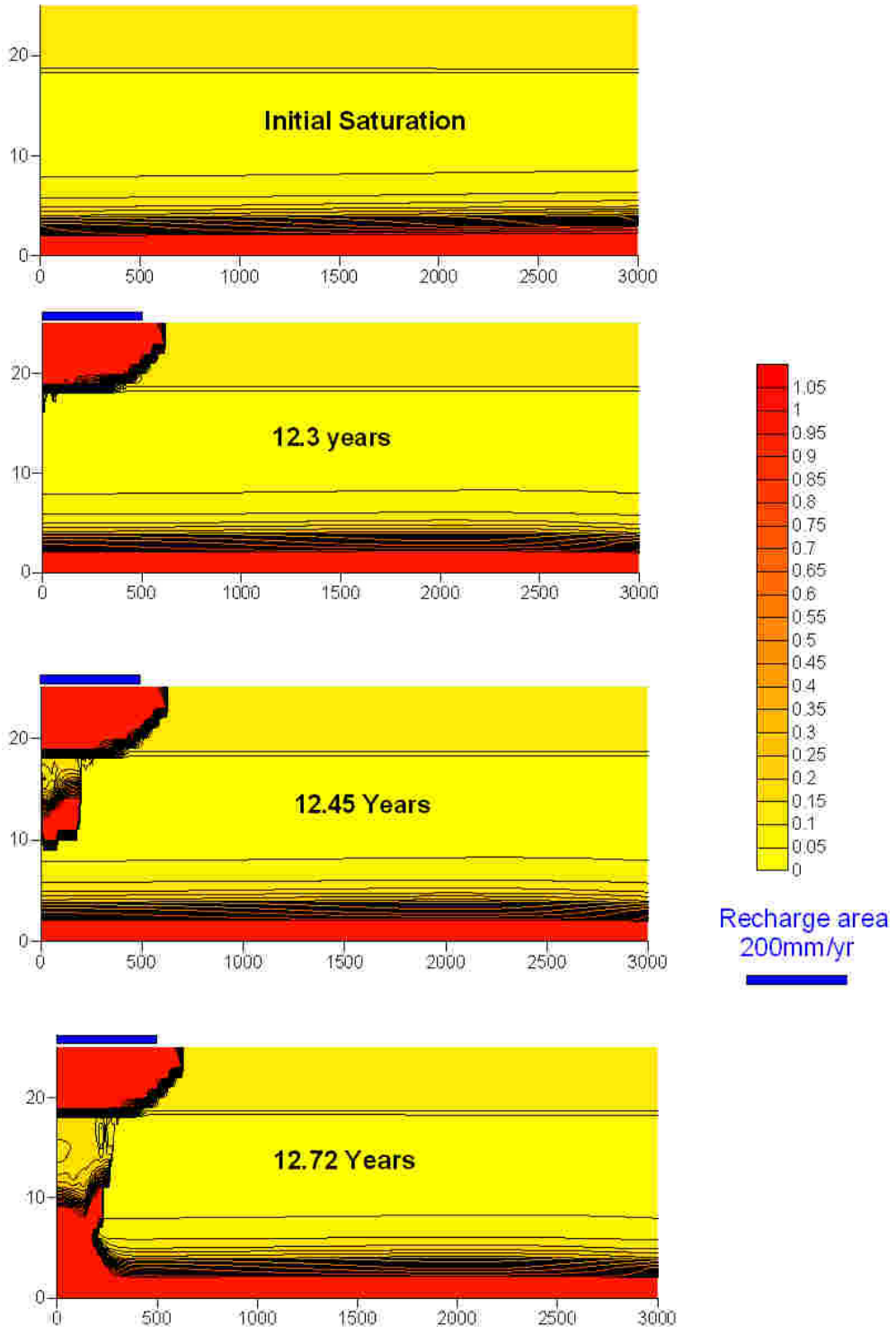
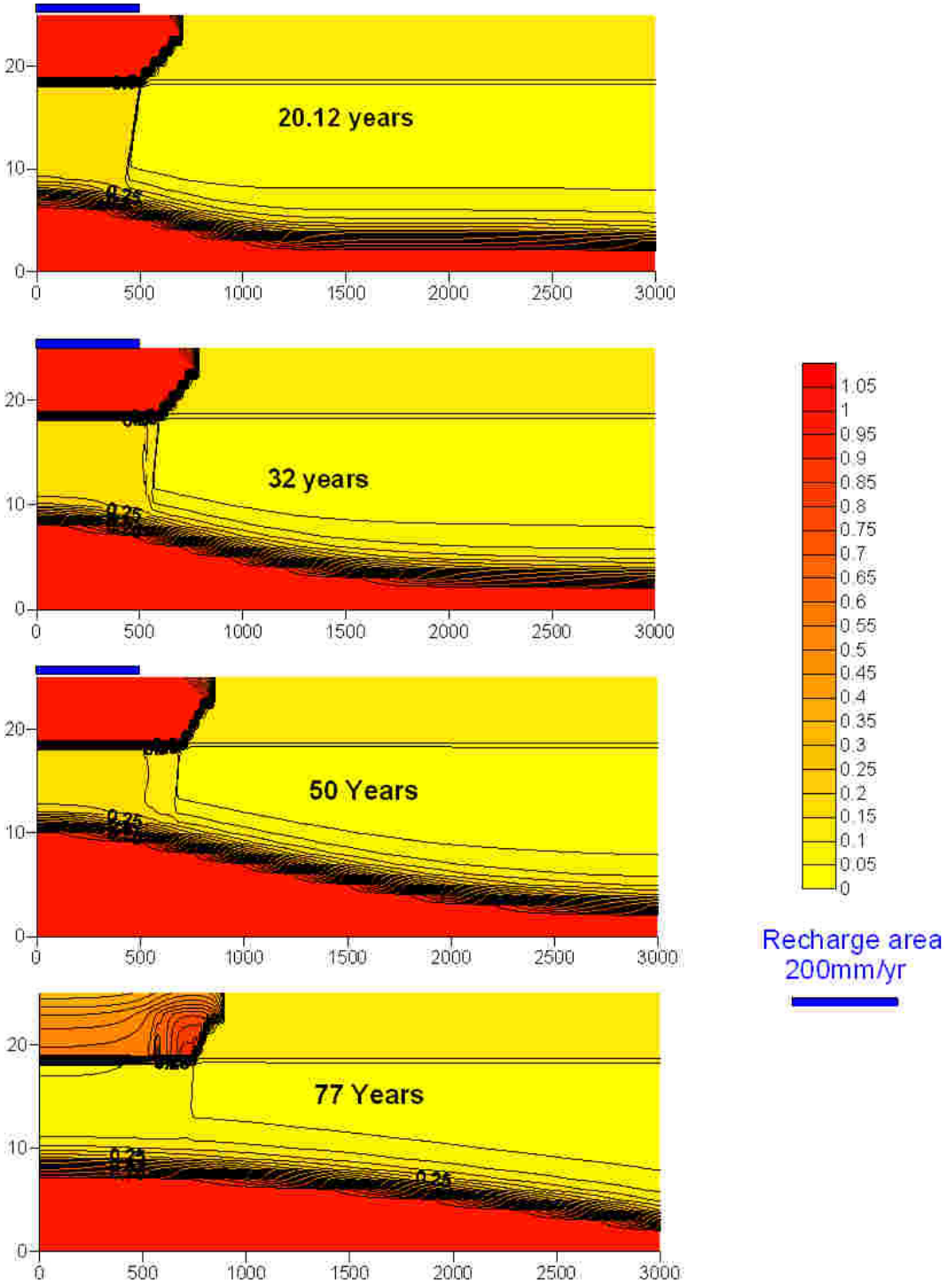
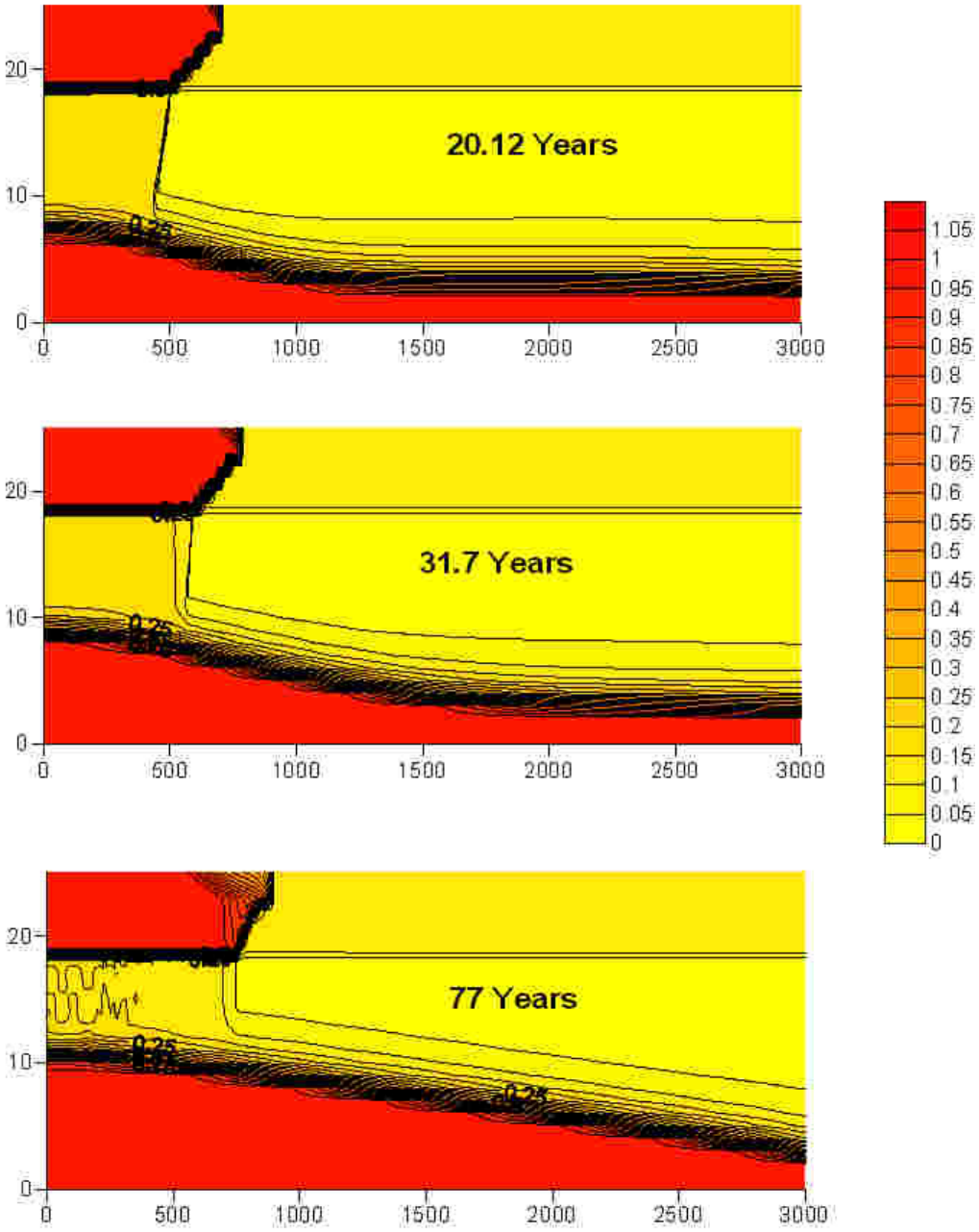


Figure 2 Saturation during early development of groundwater mound



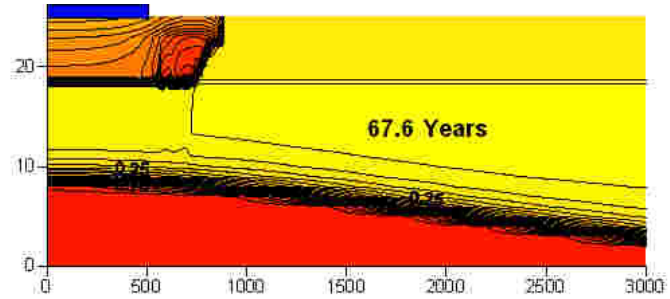
EVOLUTION OF GROUNDWATER MOUND - SCENARIO 2

Figure 3 SCENARIO 2 Saturation before (<50yrs) and after (77yrs) cessation of recharge.

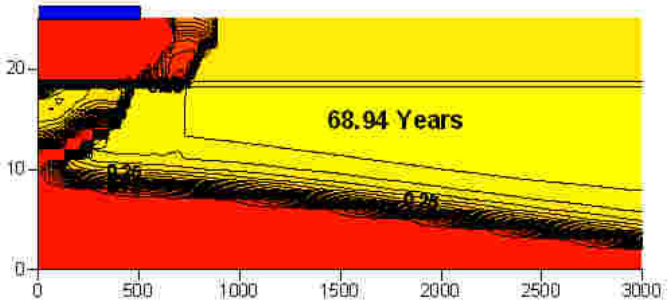


SCENARIO 3 - Saturation before (20.12 and 31.7yrs) and after (77yrs) change in recharge rate from 200mm/yr to 100mm/yr after 50 years

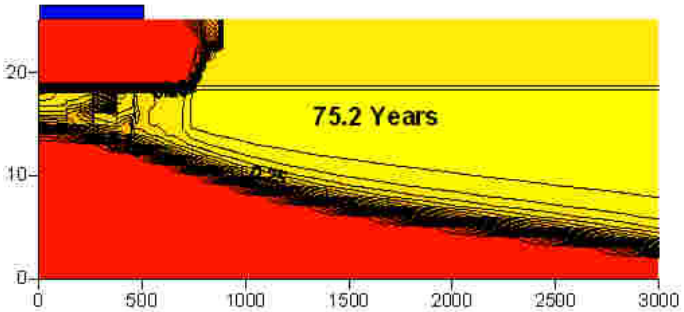
Figure 4 SCENARIO 3 Saturation before (20.12 and 31.7yrs) and after (77yrs) halving recharge rate



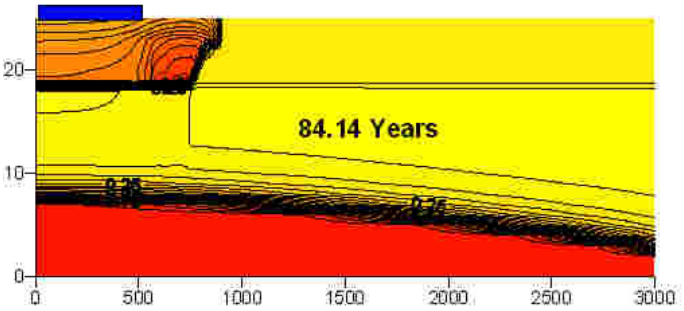
SCENARIO 4 Second recharge phase showing Zero recharge phase response



SCENARIO 4 Start of second recharge phase response



SCENARIO 4 Steep water level rise during second recharge phase



SCENARIO 4 Second recharge phase (started at 61 years)

Figure 5 Saturation profiles at 67.6, 68.9, 75.2 and 84.1 years for second recharge phase SCENARIO 4

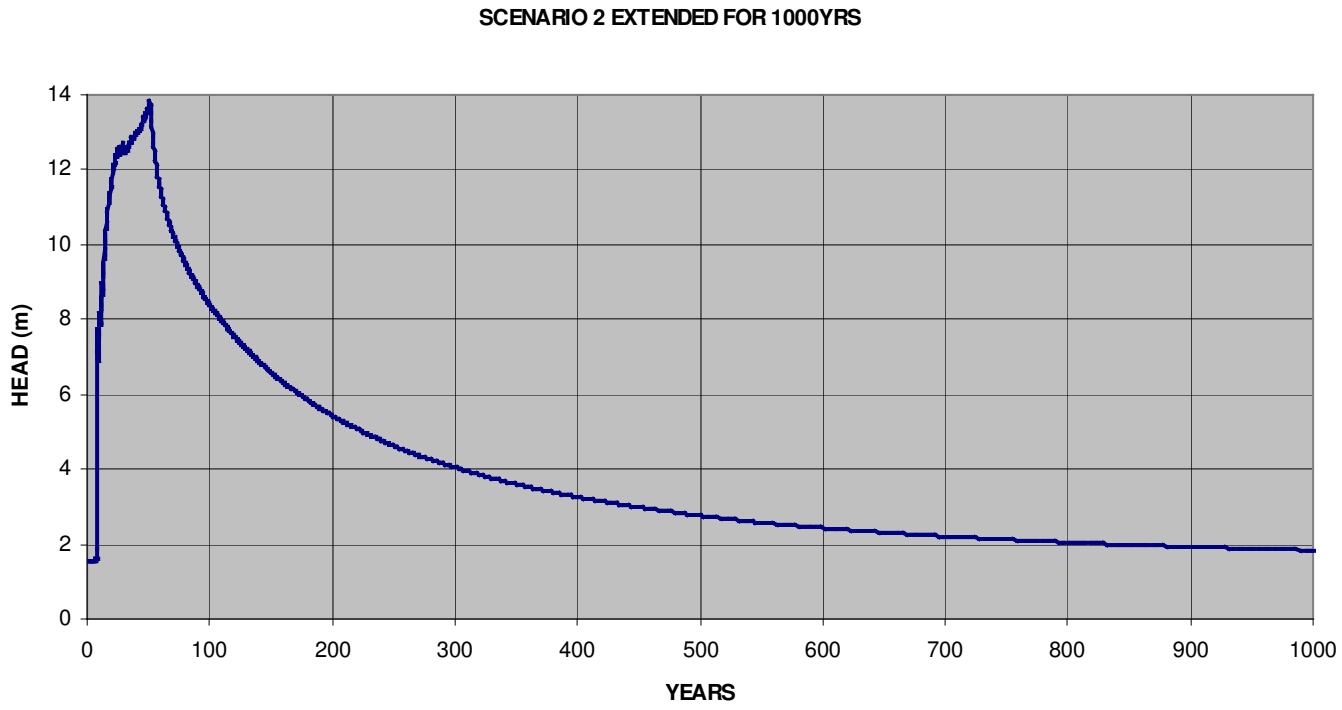


Figure6 SCENARIO 2 extended for 1000yrs

As a final exercise, the SCENARIO 2 situation was extended to a total of 1000yrs to examine the decay of the mound under zero recharge.
The result is shown in figure 6 from which it can be seen that full recovery takes a very long time, in this case, more than 1000 years.

Don Armstrong
lisdon associates

7th May 2010

APPENDIX A

SUTRA SUB-ROUTINE USUBS UNSAT
and discussion of VANGENUCHTEN PROPERTIES

Carefully selected VanGenuchten parameters must be programmed in the red areas of the following Fortran Code.

```
C     SUBROUTINE       U  N  S  A  T          SUTRA VERSION 2.1                  UNSAT.....100
C                                                                                 UNSAT.....200
C *** PURPOSE :                                                                   UNSAT.....300
C ***  USER-PROGRAMMED SUBROUTINE GIVING:                                         UNSAT.....400
C ***  (1)  SATURATION AS A FUNCTION OF PRESSURE ( SW(PRES) )                     UNSAT.....500
C ***  (2)  DERIVATIVE OF SATURATION WITH RESPECT TO PRESSURE                     UNSAT.....600
C ***       AS A FUNCTION OF EITHER PRESSURE OR SATURATION                        UNSAT.....700
C ***       ( DSWDP(PRES), OR DSWDP(SW) )                                         UNSAT.....800
C ***  (3)  RELATIVE PERMEABILITY AS A FUNCTION OF EITHER                         UNSAT.....900
C ***       PRESSURE OR SATURATION ( REL(PRES) OR RELK(SW) )                      UNSAT.....1000
C ***                                                                             UNSAT.....1100
C ***  CODE BETWEEN DASHED LINES MUST BE REPLACED TO GIVE THE                     UNSAT.....1200
C ***  PARTICULAR UNSATURATED RELATIONSHIPS DESIRED.                              UNSAT.....1300
C ***                                                                             UNSAT.....1400
C ***  DIFFERENT FUNCTIONS MAY BE GIVEN FOR EACH REGION OF THE MESH.              UNSAT.....1500
C ***  REGIONS ARE SPECIFIED BY BOTH NODE NUMBER AND ELEMENT NUMBER               UNSAT.....1600
C ***  IN INPUT DATA FILE FOR UNIT K1 (INP).                                      UNSAT.....1700
C                                                                                 UNSAT.....1800
      SUBROUTINE UNSAT(SW,DSWDP,RELK,PRES,KREG)                                   UNSAT.....1900
      IMPLICIT DOUBLE PRECISION (A-H,O-Z)                                         UNSAT.....2000
      COMMON /CONTRL/ GNUP,GNUU,UP,DTMULT,DTMAX,ME,ISSFLO,ISSTRA,ITCYC,           UNSAT.....2100
     1   NPCYC,NUCYC,NPRINT,IREAD,ISTORE,NOUMAT,IUNSAT,KTYPE                      UNSAT.....2200
C                                                                                 UNSAT.....2300
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - --   UNSAT.....2400
C     C O D I N G   FOR                                                           UNSAT.....2500
C     MESH WITH THREE REGIONS OF UNSATURATED PROPERTIES USING                     UNSAT.....2600
C     THREE PARAMETER-UNSATURATED FLOW RELATIONSHIPS OF                           UNSAT.....2700
C     VAN GENUCHTEN(1980)                                                         UNSAT.....2800
C       RESIDUAL SATURATION, SWRES, GIVEN IN UNITS {L**0}                         UNSAT.....2900
C       PARAMETER, AA, GIVEN IN INVERSE PRESSURE UNITS {m*(s**2)/kg}              UNSAT.....3000
C       PARAMETER, VN, GIVEN IN UNITS {L**0}                                      UNSAT.....3100
C                                                                                 UNSAT.....3200
      REAL SWRES,AA,VN,SWRM1,AAPVN,VNF,AAPVNN,DNUM,DNOM,SWSTAR                    UNSAT.....3300
      REAL SWRES1,SWRES2,SWRES3,AA1,AA2,AA3,VN1,VN2,VN3                           UNSAT.....3400
C                                                                                 UNSAT.....3500
C     DATA FOR REGION 1:                                                          UNSAT.....3600
      DATA   SWRES1/0.01E0/, AA1/8.0E-5/, VN1/3.0E0/                              UNSAT.....3700
      SAVE SWRES1, AA1, VN1                                                       UNSAT.....3800
C     DATA FOR REGION 2:                                                          UNSAT.....3900
      DATA   SWRES2/0.0680E0/, AA2/8.0E-4/, VN2/1.09E0/                           UNSAT.....4000
      SAVE SWRES2, AA2, VN2                                                       UNSAT.....4100
C     DATA FOR REGION 3                                                           UNSAT.....4200
      DATA   SWRES3/0.02E0/, AA3/5.0E-5/, VN3/2.0E0/                              UNSAT.....4250
      SAVE SWRES3, AA3, VN3                                                       UNSAT.....4300
C *** BECAUSE THIS ROUTINE IS CALLED OFTEN FOR UNSATURATED FLOW RUNS,             UNSAT.....4400
C *** EXECUTION TIME MAY BE SAVED BY CAREFUL CODING OF DESIRED                    UNSAT.....4500
C *** RELATIONSHIPS USING ONLY INTEGER AND SINGLE PRECISION VARIABLES!            UNSAT.....4600
C *** RESULTS OF THE CALCULATIONS MUST THEN BE PLACED INTO DOUBLE                 UNSAT.....4700
C *** PRECISION VARIABLES SW, DSWDP AND RELK BEFORE LEAVING                       UNSAT.....4800
C *** THIS SUBROUTINE.                                                            UNSAT.....4900
C                                                                                 UNSAT.....5000
C                                                                                 UNSAT.....5100
C*********************************************************************           UNSAT.....5200
C*********************************************************************           UNSAT.....5300
C                                                                                 UNSAT.....5400
C     SET PARAMETERS FOR CURRENT REGION, KREG                                     UNSAT.....5500
      GOTO(10,20,30),KREG                                                         UNSAT.....5600
   10 SWRES=SWRES1                                                                UNSAT.....5700
      AA=AA1                                                                      UNSAT.....5800
```

```
      VN=VN1                                                                  UNSAT.....5900
      GOTO 100                                                                 UNSAT.....6000
   20 SWRES=SWRES2                                                            UNSAT.....6100
      AA=AA2                                                                   UNSAT.....6200
      VN=VN2                                                                   UNSAT.....6300
   30 SWRES=SWRES3                                                            UNSAT.....6310
      AA=AA3                                                                   UNSAT.....6320
      VN=VN3                                                                   UNSAT.....6330  100 CONTINUE
                                                    UNSAT.....6400
C*********************************************************************************************************** UNSAT.....6800
C.....SECTION (1):                                                             UNSAT.....6900
C     SW VS. PRES   (VALUE CALCULATED ON EACH CALL TO UNSAT)                   UNSAT.....7000
C     CODING MUST GIVE A VALUE TO SATURATION, SW.                              UNSAT.....7100
C                                                                              UNSAT.....7200
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - UNSAT.....7300
C     THREE PARAMETER MODEL OF VAN GENUCHTEN(1980)                             UNSAT.....7400
      SWRM1=1.E0-SWRES                                                         UNSAT.....7500
      AAPVN=1.E0+(AA*(-PRES))**VN                                              UNSAT.....7600
      VNF=(VN-1.E0)/VN                                                         UNSAT.....7700
      AAPVNN=AAPVN**VNF                                                        UNSAT.....7800
      S W = DBLE (SWRES+SWRM1/AAPVNN)                                          UNSAT.....7900
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - UNSAT.....8000
C*********************************************************************************************************** UNSAT.....8100
C*********************************************************************************************************** UNSAT.....8200
      IF(IUNSAT-2) 600,1200,1800                                               UNSAT.....8900
C*********************************************************************************************************** UNSAT.....9000
C*********************************************************************************************************** UNSAT.....9100
C.....SECTION (2):                                                             UNSAT.....9200
C     DSWDP VS. PRES, OR DSWDP VS. SW   (CALCULATED ONLY WHEN IUNSAT=1)        UNSAT.....9300
C     CODING MUST GIVE A VALUE TO DERIVATIVE OF SATURATION WITH                UNSAT.....9400
C     RESPECT TO PRESSURE, DSWDP.                                              UNSAT.....9500
C                                                                              UNSAT.....9600
  600 CONTINUE                                                                 UNSAT.....9700
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - UNSAT.....9800
      DNUM=AA*(VN-1.E0)*SWRM1*(AA*(-PRES))**(VN-1.E0)                          UNSAT.....9900
      DNOM=AAPVN*AAPVNN                                                        UNSAT....10000
      D S W D P   =   DBLE (DNUM/DNOM)                                         UNSAT....10100
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - UNSAT....10200
      GOTO 1800                                                                UNSAT....10300
C*********************************************************************************************************** UNSAT....10400
C*********************************************************************** ********************************** UNSAT....10500
C                                                                              UNSAT....11000
C                                                                              UNSAT....11100
C*********************************************************************** ********************************** UNSAT....11200
C*********************************************************************************************************** UNSAT....11300
C.....SECTION (3):                                                             UNSAT....11400
C     RELK VS. P, OR RELK VS. SW   (CALCULATED ONLY WHEN IUNSAT=2)             UNSAT....11500
C     CODING MUST GIVE A VALUE TO RELATIVE PERMEABILITY, RELK.                 UNSAT....11600
C                                                                              UNSAT....11700
 1200 CONTINUE                                                                 UNSAT....11800
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - UNSAT....11900
C     GENERAL RELATIVE PERMEABILITY MODEL FROM VAN GENUCHTEN(1980)             UNSAT....12000
      SWSTAR=(SW-SWRES)/SWRM1                                                  UNSAT....12100
      R E L K   = DBLE (SQRT(SWSTAR)*                                          UNSAT....12200
     1               (1.E0-(1.E0-SWSTAR**(1.E0/VNF))**(VNF))**2)               UNSAT....12300
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - UNSAT....12400
C                                                                              UNSAT....12500
C*********************************************************************************************************** UNSAT....12600
C*********************************************************************************************************** UNSAT....12700
C                                                                               UNSAT....13300
 1800 RETURN                                                                   UNSAT....13400
C                                                                              UNSAT....13500
      END                                                                      UNSAT....13600
```

When these Unsaturated Zone properties plus the time dependent fluid source data (recharge) are coded in the **USUBS** subroutine, the executable (*.exe) is compiled for each scenario.

The model calculates unsaturated K values based on moisture content.

Moisture contents for the three model zones are shown in figure A1 in which negative pressure (soil suction) is directly proportional to 9880 x height (m) above the phreatic surface (where MC = 1 by definition).

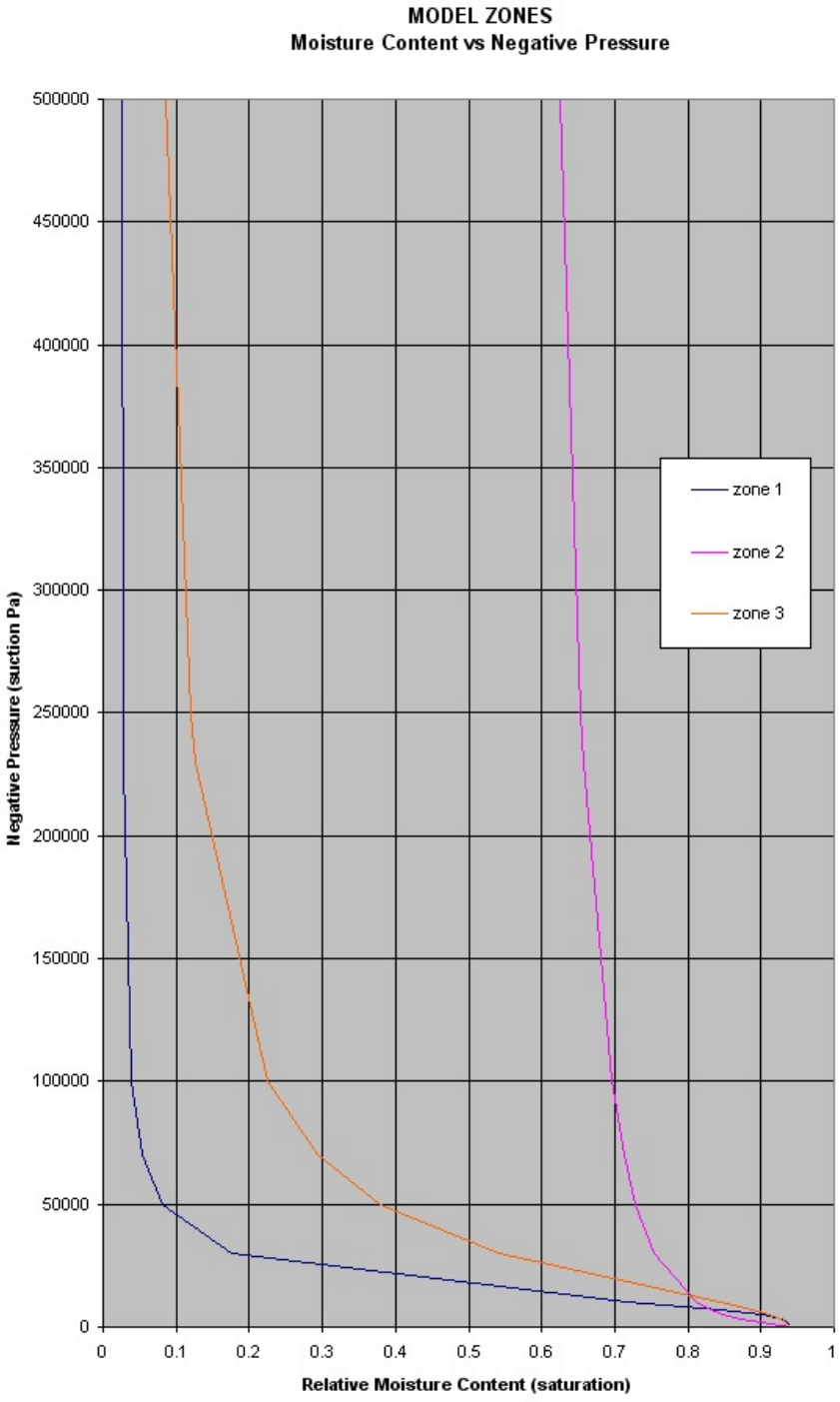


Figure A1 Model Zone Moisture Content v Pc

Zones 1 and 3 are both relatively free draining and thus have a very small capillary zone compared with the clay of zone 2 which retains most of it's moisture against gravity.

The three VanGenuchten parameters, SW_{res}, α and Vn are described in VanGenuchten (1980) as being physically based parameters but their principal application in **SUTRA** is as descriptors of the shape of the curve illustrating the relationship between saturation and p_c , the soil suction, capillary pressure or negative pressure. (All three terms refer to the same physical property).

Units of α used in the VanGenuchten paper are cm^{-1} but the units to be applied in **SUTRA** (which in general uses the Kg – m – sec system) have to be converted to units of inverse pressure ($m\ s^2/kg$), This is achieved by converting cm^{-1} to m^{-1} then dividing by ρg, which is approximately $10^4\ kg/m^2s^2$ giving a final value equivalent to $cm^{-1}/100$. Some "typical" parameter values are shown in Table 1.

Table 1 Typical van Genuchten model parameters (α, n) including residual (θ_r) and saturated (θ_s) water contents compiled from the UNSODA database

Textural class	*N*	θ_r ($cm^3\ cm^{-3}$)	θ_s ($cm^3\ cm^{-3}$)	α (cm^{-1})	n
Sand	126	0.058	0.37	0.035	3.19
Loamy sand	51	0.074	0.39	0.035	2.39
Sandy loam	78	0.067	0.37	0.021	1.61
Loam	61	0.083	0.46	0.025	1.31
Silt	3	0.123	0.48	0.006	1.53
Silt loam	101	0.061	0.43	0.012	1.39
Sandy clay loam	37	0.086	0.40	0.033	1.49
Clay loam	23	0.129	0.47	0.030	1.37
Silty clay loam	20	0.098	0.55	0.027	1.41
Silty clay	12	0.163	0.47	0.023	1.39
Clay	25	0.102	0.51	0.021	1.20

N, the number of soils or samples of a given textural class from which the mean values are compiled.
Reproduced from Leij FJ, Alves WJ, van Genuchten MT, and Williams JR (1996) *The UNSODA Unsaturated Hydraulic Database*. EPA/600/ R-96/095. Cincinnati, OH: US Environmental Protection Agency.

in which n=Vn and θ = SW (water saturation).

Variable recharge Rates

Model recharge sites can be set in the **SUTRA** input file but if rates are required to vary with time they must be programmed in the sub-routine **BCTIME**. The recharge rates and their timing for Scenario 2 are shown in the section of **BCTIME** code shown below.

```
C.....SECTION (3):  SET TIME-DEPENDENT FLUID SOURCES/SINKS,            BCTIME.......14900
C     OR CONCENTRATIONS (TEMPERATURES) OF SOURCE FLUID                 BCTIME.......15000
C                                                                      BCTIME.......15100
  450 CONTINUE                                                         BCTIME.......15200
      DO 600 IQP=1,NSOPI                                               BCTIME.......15300
      I=IQSOP(IQP)                                                     BCTIME.......15400
      IF(I) 500,600,600                                                BCTIME.......15500
  500 CONTINUE                                                         BCTIME.......15600
C     NOTE: A FLOW AND TRANSPORT SOLUTION MUST OCCUR FOR ANY           BCTIME.......15700
C           TIME STEP IN WHICH QIN( ) CHANGES.                         BCTIME.......15800
      IF(TYEAR.LT.50.)THEN
            QIN(-I)=3.17e-05
        ELSE
         QIN(-I)=1.585e-05
      END IF                                                           BCTIME.....  15900
C     NOTE: A TRANSPORT SOLUTION MUST OCCUR FOR ANY                    BCTIME.......16000
C           TIME STEP IN WHICH UIN( ) CHANGES.                         BCTIME.......16100
      UIN(-I) = 0.00
C                                                                      BCTIME.......16200
  600 CONTINUE                                                         BCTIME.......16300
C - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - ------------------------------------------------------BCTIME.......16400
```

The *.exe files for each Scenario were recompiled using **GFORTRAN**, a public domain compiler developed by **GNU**.

REFERENCES

Van Genuchten M Th   1980 A Closed-form Equation for predicting the Hydraulic Conductivity of Unsaturated Soils *Soil Science Society of America Journal* Volume 44 No 5.

APPENDIX B

COMPARISON WITH SIMRAT

In order to compare the current SUTRA slice model time-series results with the SIMRAT model results it was necessary to determine the actual parameter values used in SIMRAT and then apply those values to the SUTRA slice model.

The time-lag in SIMRAT is estimated as follows (Cook *et al* 2004).

> **The timelag may be approximated by (Cook *et al.*, 2004):**
>
> $$t_L = z_a(\theta_2^a - \theta_1^a)D_2^{-1} + z_b(\theta_2^b - \theta_1^b)D_2^{-1}$$
>
> **where z_a and z_b are the thicknesses of soil layers *a* and *b* respectively ($z_a + z_b = z_{WT}$, z_{WT} is the watertable depth), *D* is the RZD, θ_0 is the volumetric water content before the development, θ_1 is the volumetric water content after development and superscripts *a* and *b* refer to soils *a* and *b*, respectively (e.g. sand and clay).**
>
> **It is important to note that only the aggregate thickness of the different layers are important, not where they occur within the profile.**

The moisture contents used throughout the entire "study area" in SIMRAT are

Sand - $SW_{res} = 0.06$; $SW_{sat} = 0.27$

Ckay = $SW_{res} = 0.15$; $SW_{sat} = 0.60$

Assuming that the soils are at residual moisture content before development and fully saturated after development the above equation for the SUTRA model geometry, recharge hence drainage rate D = 200mm/yr, and SIMRAT moisture contents becomes

t_L = 20m (0.27-0.06)5yr/m + 5m(0.60-0.15)5yr/m
= 32.25 years

The SUTRA model was then run using the SIMRAT moisture contents and Kv values of

1.0m/day for the Sand and 1.0E-04m/day for the Clay

The results of the SUTRA model run with SIMRAT parameters are shown in figure 1B together with the four scenarios modeled in the SUTRA slice study.
Water level rises beneath the irrigation area begin to rise after ~18years using the SIMRAT parameter values compared with ~12 years in the SUTRA slice study.

There differences are essentially due to the different ranges of moisture content, especially the larger SW_{sat} allocated to the 18m of Sand in the SUTRA slice model.

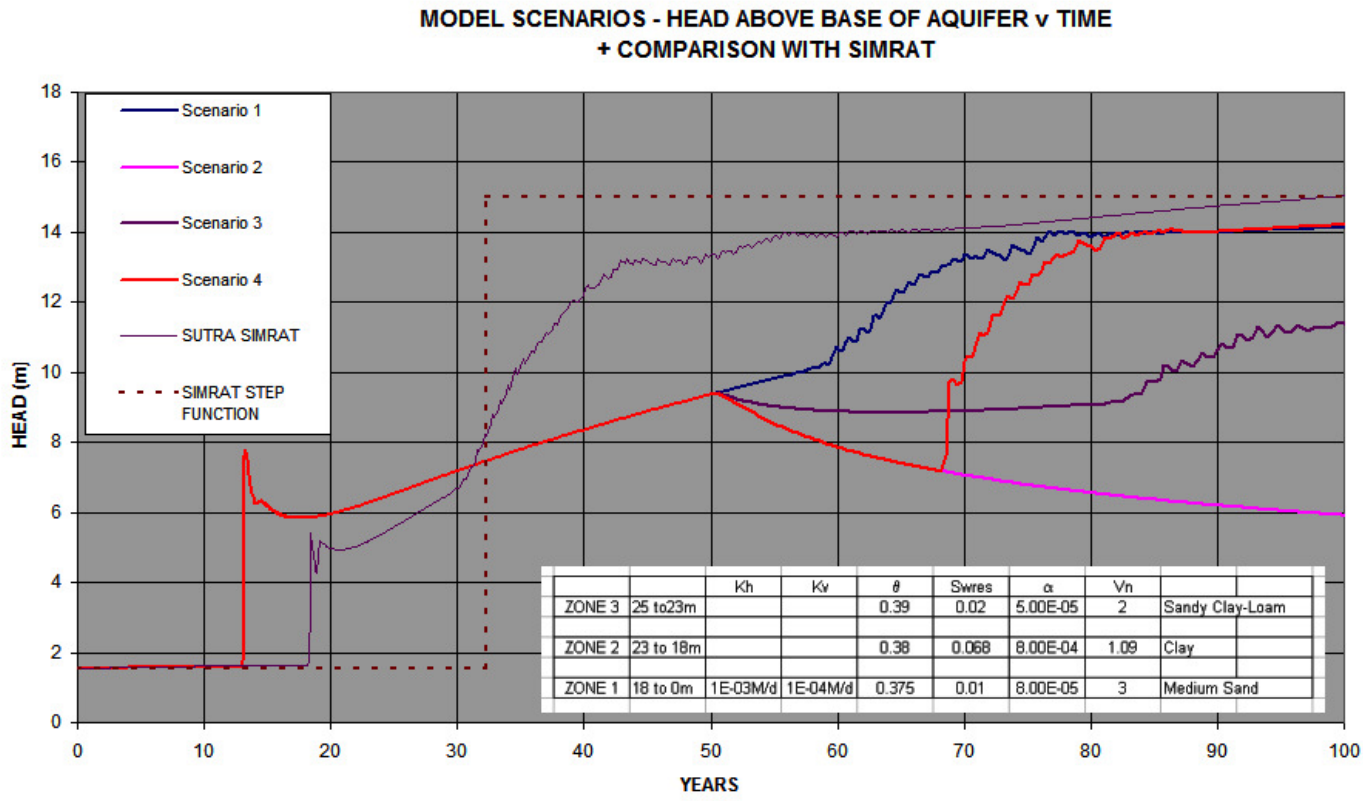


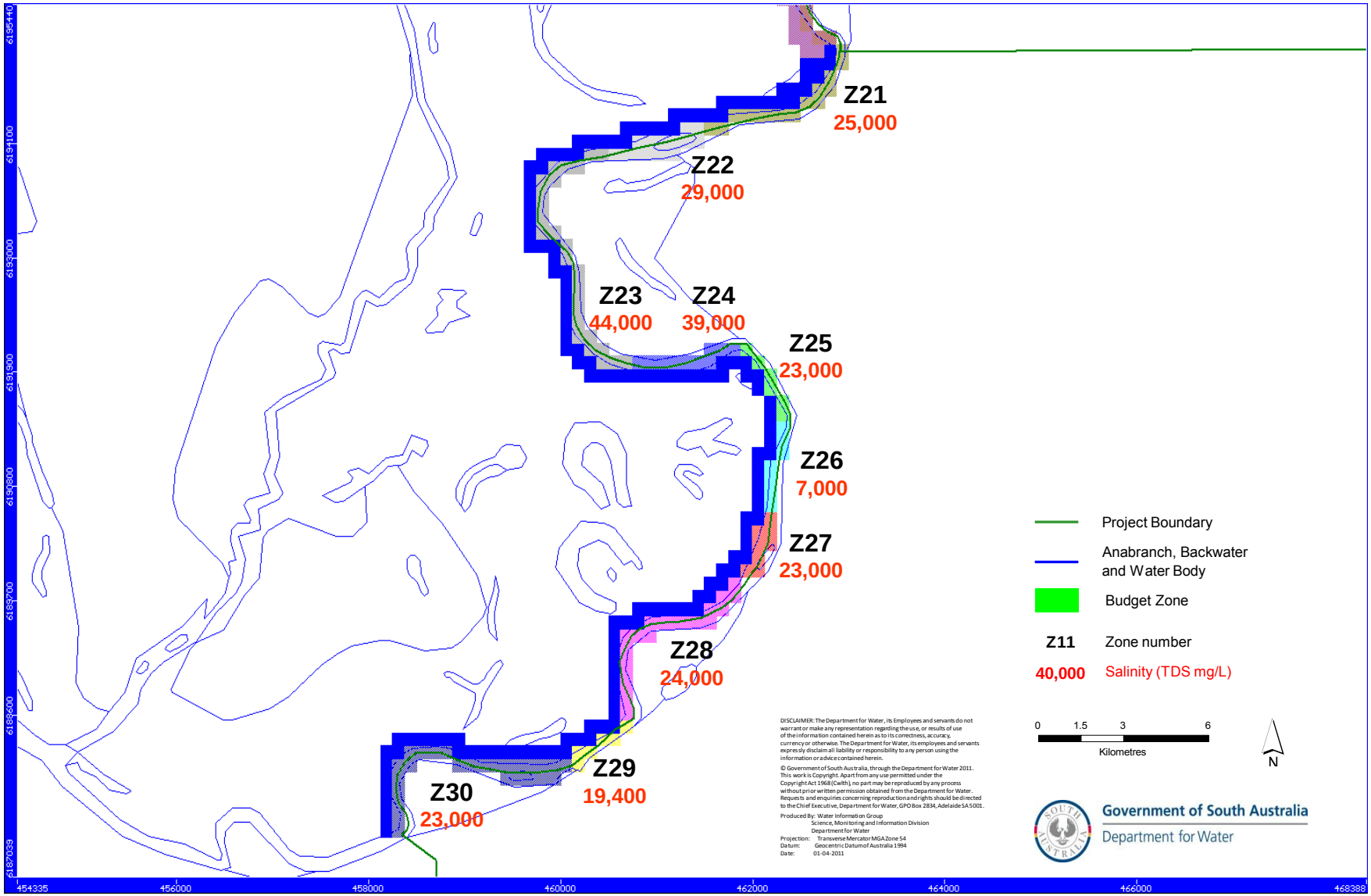
Figure 1B Comparison of SUTRA model Scenarios with SIMRAT estimate of Lag-time.

REFERENCE

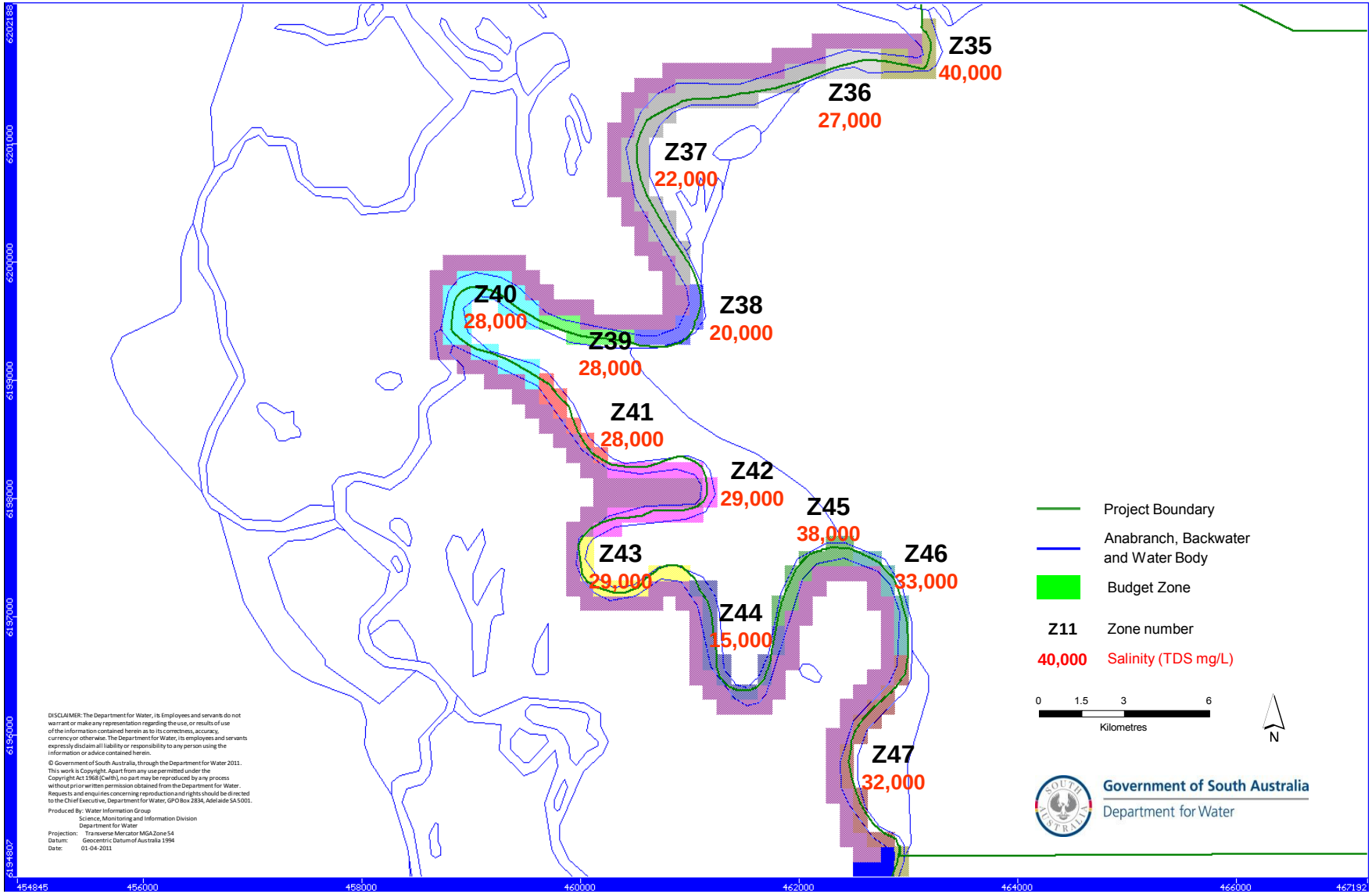
Cook *et al* (2004) Groundwater Recharge in the North-East Mallee Region, South Australia. CSIRO Land and Water Technical Report No 25/04 July 2004

C-3 SALINITY STATISTICAL ANALYSES

- Flow budget zone numbers and the groundwater salinity values adopted in the calibrated model
- Salinity statistical analyses (AWE 2011)



C-3. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Loxton area

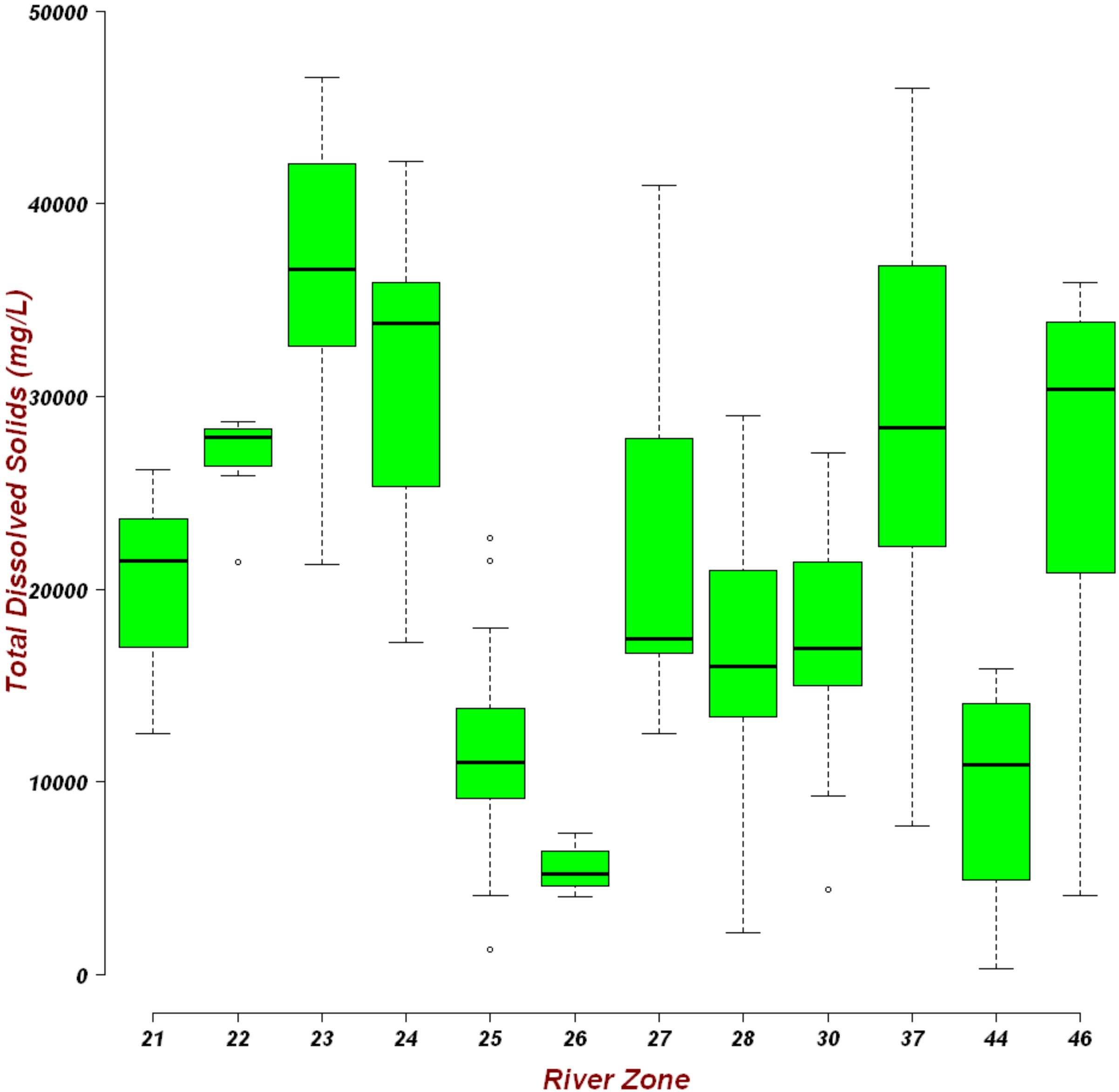


C-3. Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Bookpurnong area

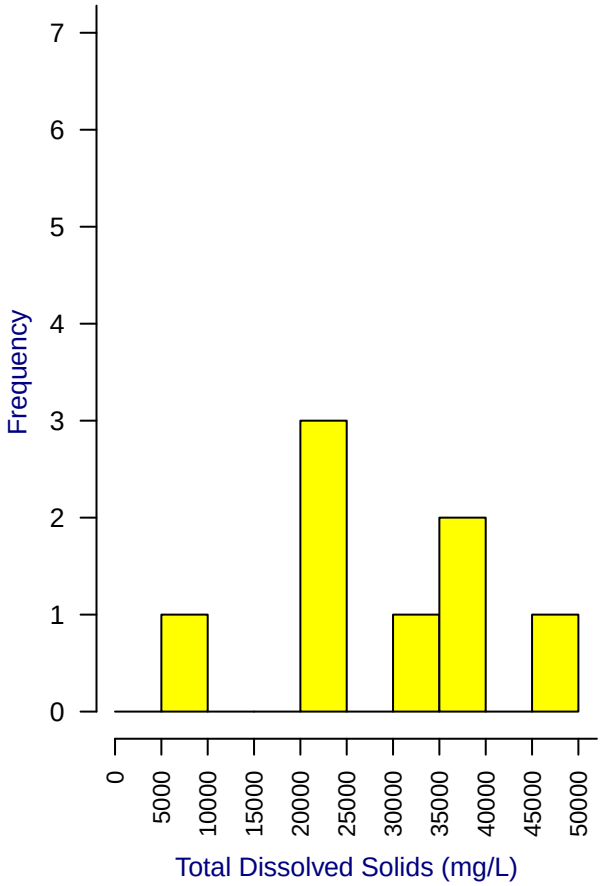
Summary Statistics for Groundwater Salinity Uncertainty Test (mg/L)

Model Budget Zone	Number of nearby salinity values	Min value in sample	Mean - 1 Standard Deviation	Median	Mean	Mean + 1 Standard Deviation	Max value in sample	Values adopted for Historical and Prediction models	Groundwater Salinity Uncertainty Test: Low Salinity Case	Groundwater Salinity Uncertainty Test: High Salinity Case	Region
21	9	12500	15547	21440	20206	24865	26200	25000	12500	26200	Loxton
22	8	21400	24510	27886	26916	29322	28670	29000	21400	28670	Loxton
23	16	21254	28145	36577	36015	43886	46550	44000	21254	46550	Loxton
24	17	17235	23560	33776	31165	38770	42210	39000	17235	42210	Loxton
25	50	1322	7309	11013	11552	15795	22645	23000	1322	22645	Loxton
26	11	4060	4404	5245	5561	6718	7370	7000	4060	7370	Loxton
27	9	12500	12961	17400	22824	32687	40950	23000	12500	40950	Loxton
28	10	2150	9162	16000	16655	24148	29000	24000	2150	29000	Loxton
29	1	19400						19400	19400	19400	Loxton
30	14	4396	14426	16924	17197	22969	27100	23000	4396	27100	Loxton
35	3	39600	34138	40400	48000	61862	64000	40000	39600	64000	Bookpurnong
36	1	27000						27000	27000	27000	Bookpurnong
37	8	7730	16522	28400	28570	40612	46000	22000	7730	46000	Bookpurnong
38	4	15700	16768	20600	19920	23082	22800	20000	15700	22800	Bookpurnong
39	1	28000						28000	28000	28000	Bookpurnong
40	1	28000						28000	28000	28000	Bookpurnong
41	1	28000						28000	28000	28000	Bookpurnong
42	4	29000	29654	33000	33250	36936	38000	29000	29000	38000	Bookpurnong
43	1	29000						29000	29000	29000	Bookpurnong
44	8	1653	3657	10862	9493	15329	15848	15000	1653	15848	Bookpurnong
45	2	34000	33172	36000	36000	38828	38000	38000	34000	38000	Bookpurnong
46	17	4100	17453	30400	27051	36649	35900	33000	4100	35900	Bookpurnong
47	4	24200	26303	32400	31000	35697	35000	32000	24200	35000	Bookpurnong

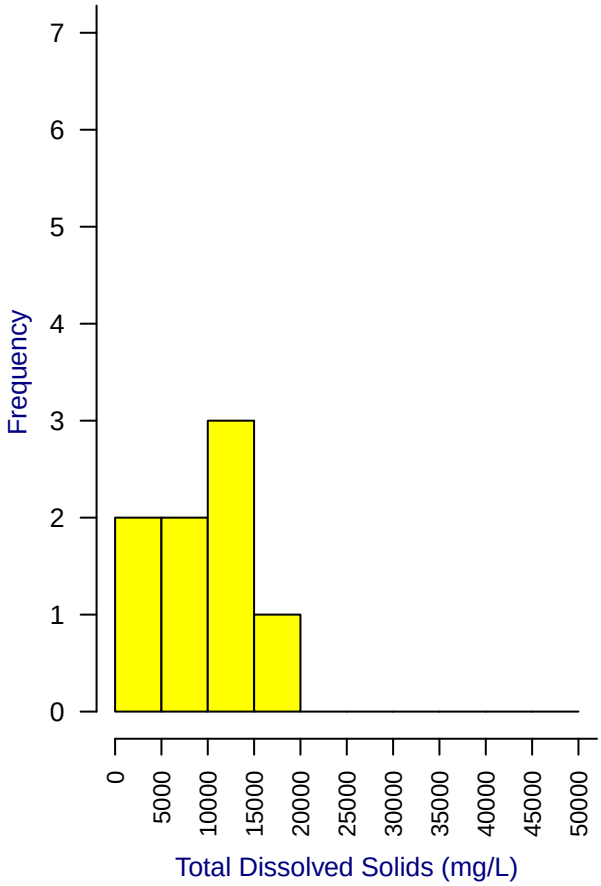
Boxplots of Salinity Values at each River Zone



River Zone 37



River Zone 44



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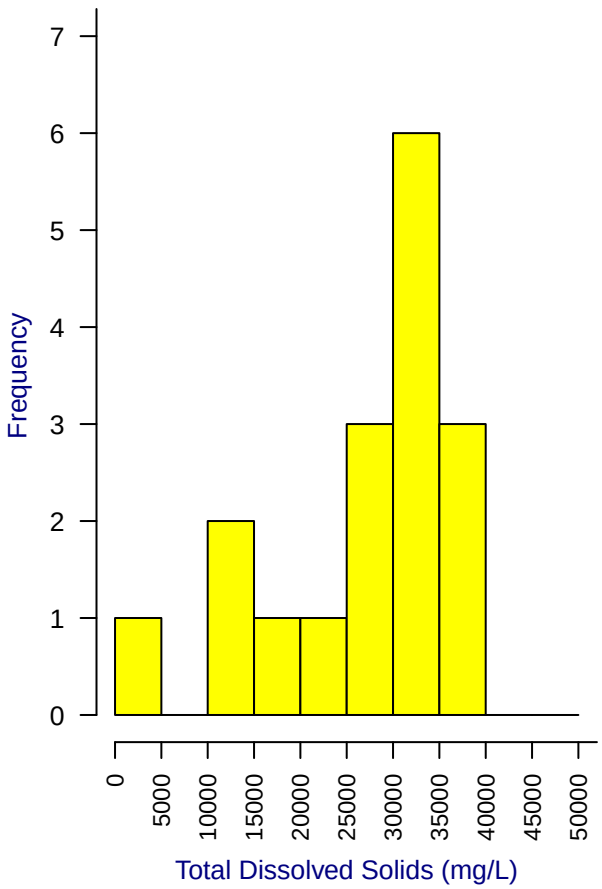
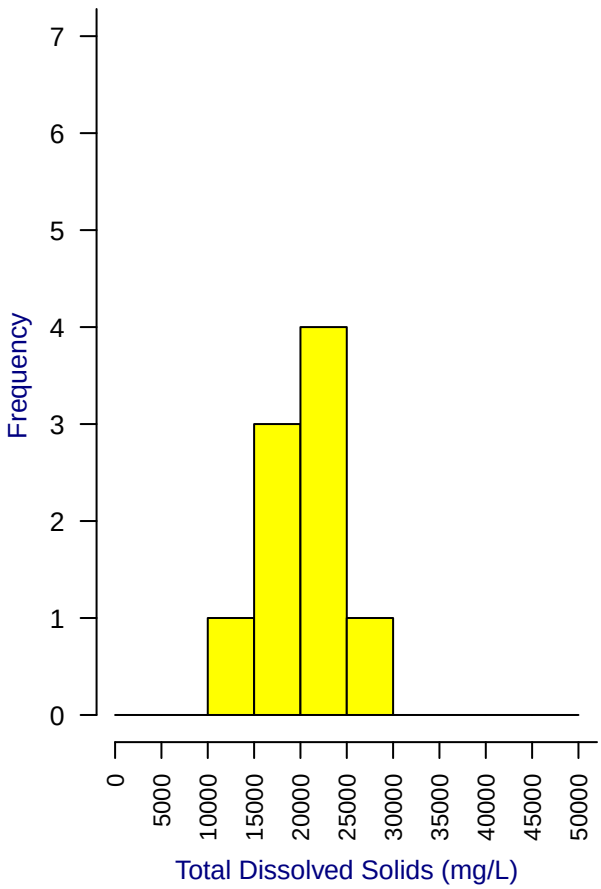
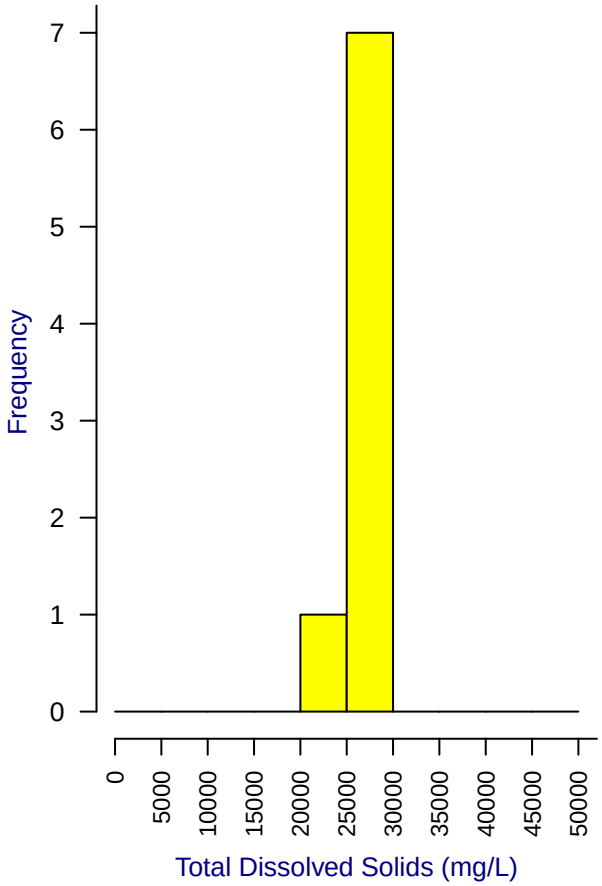


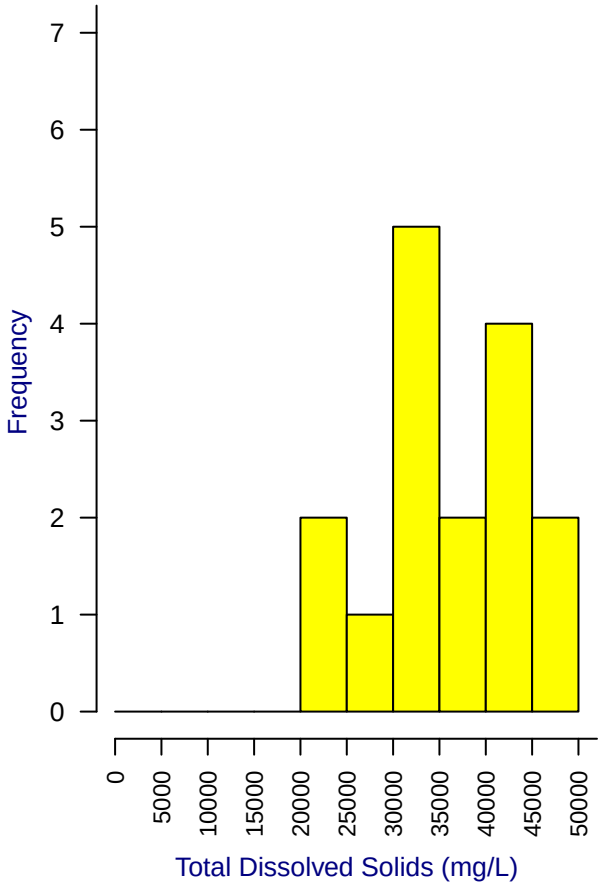
River Zone 21



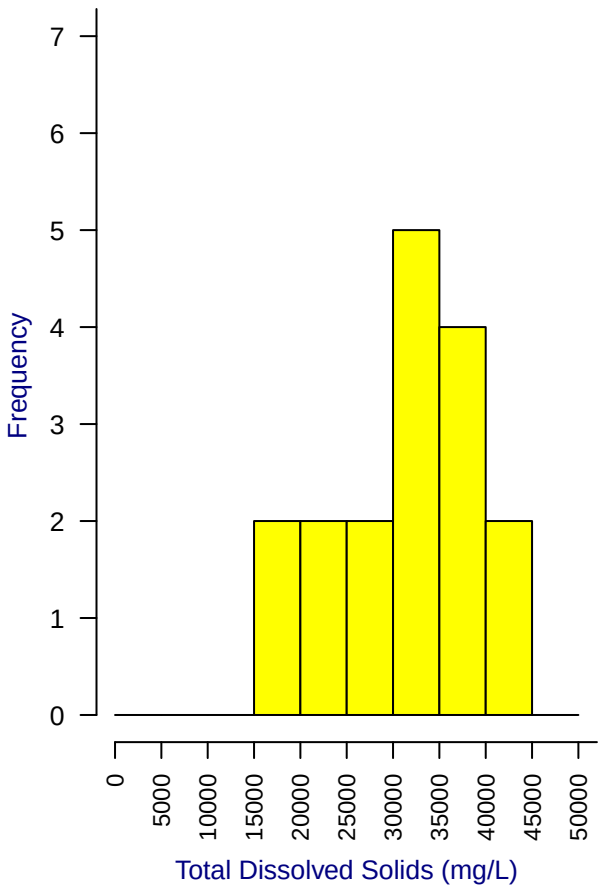
River Zone 22



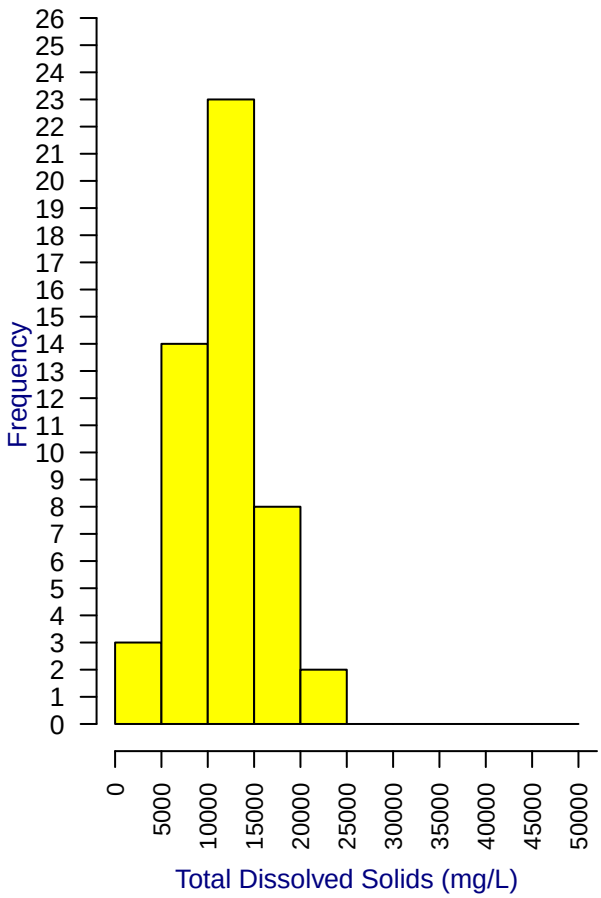
River Zone 23



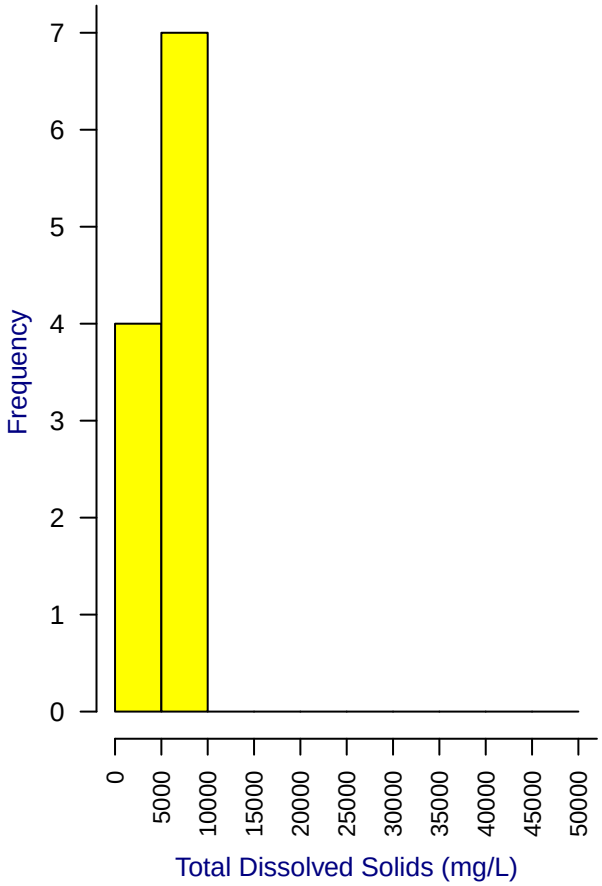
River Zone 24



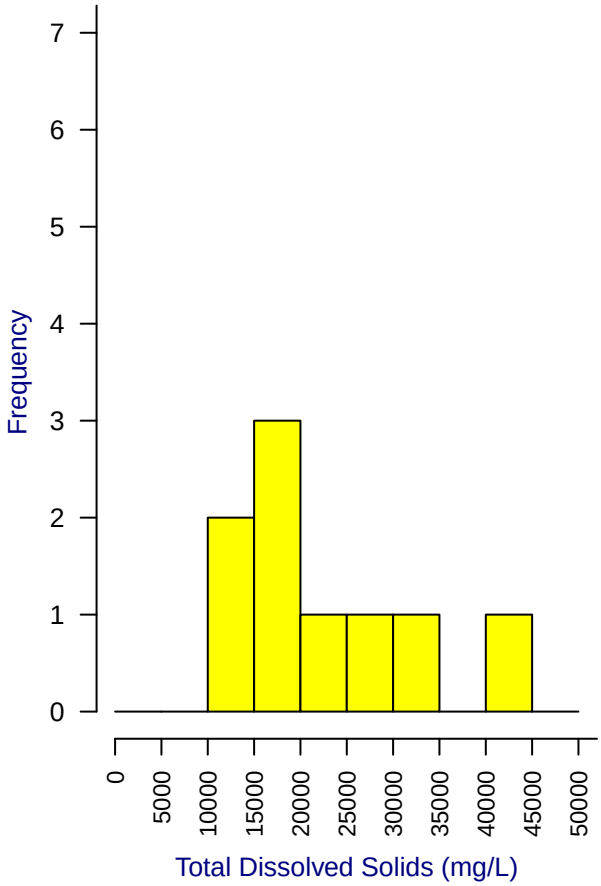
River Zone 25



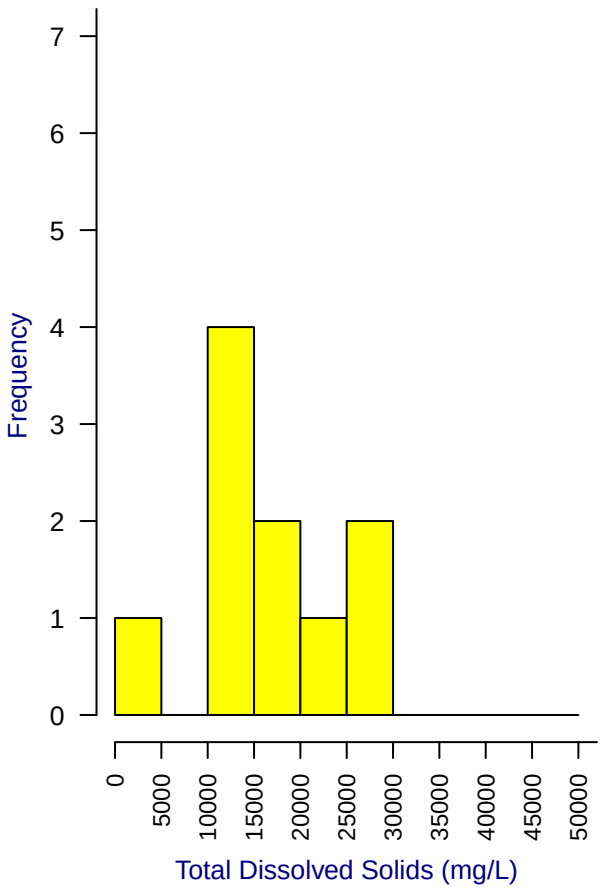
River Zone 26



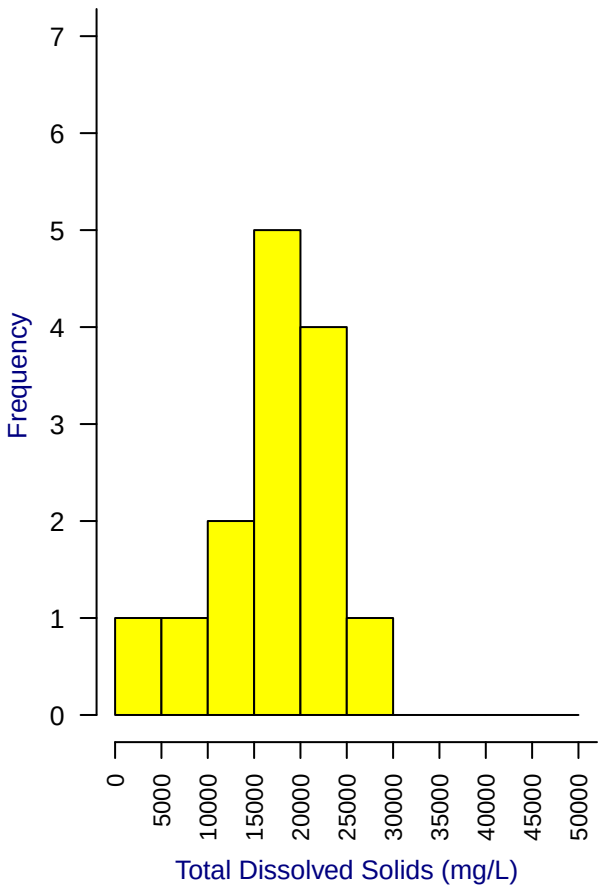
River Zone 27



River Zone 28



River Zone 30



C-4 CONVERSION TABLE FROM EC TO TDS (MG/L) (AUSTRALIA WATER QUALITY CENTRE)

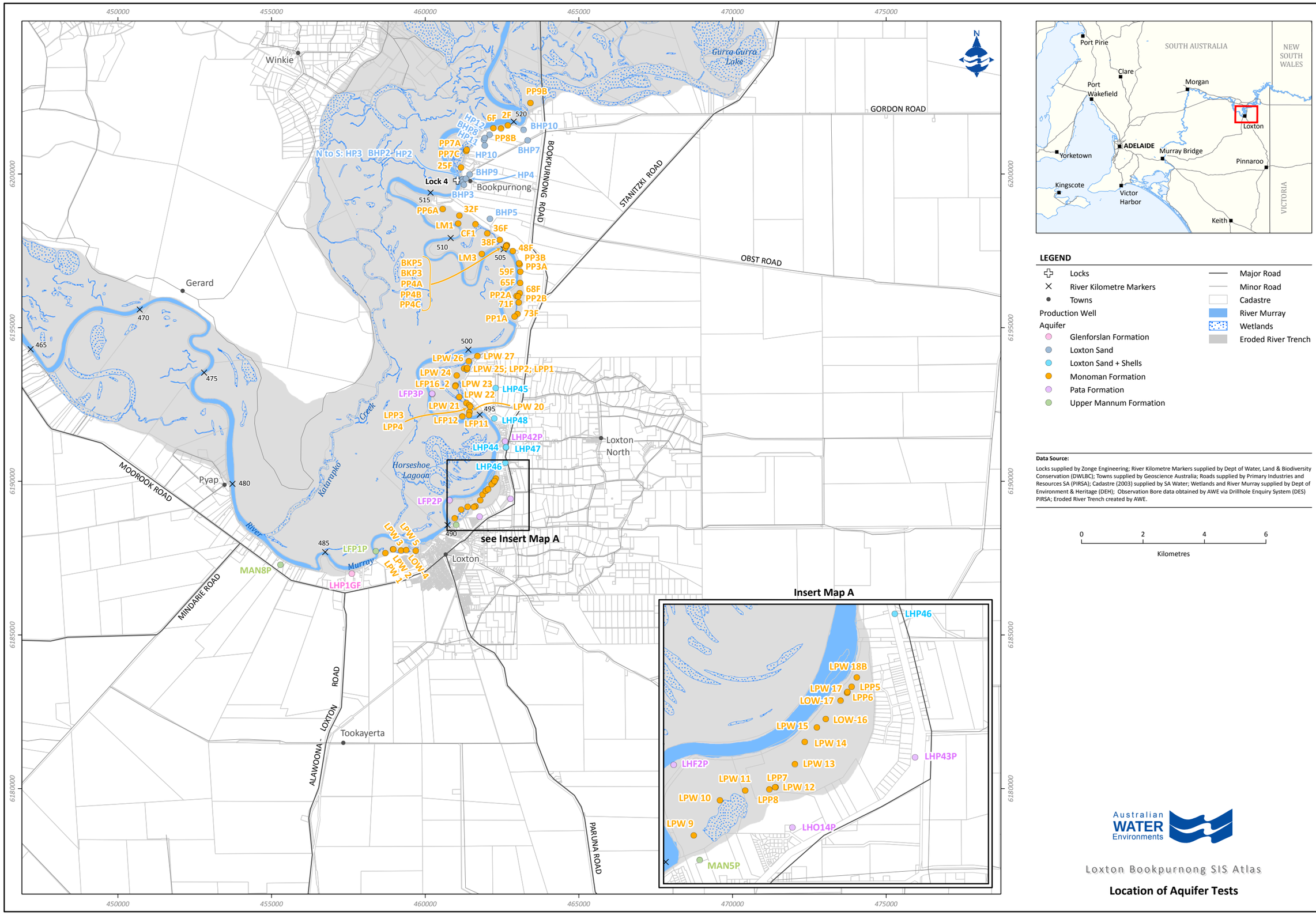
EC to TDS Conversion

Using SWL Conversion 10/04/86.

EC	TDS in mg/L or ppm	EC	TDS	EC	TDS	EC	TDS	EC	TDS	EC	TDS
10	5	510	280	1100	610	6200	3480	16500	9600	42000	27000
20	11	520	290	1200	660	6400	3600	17000	9900	43000	27000
30	16	530	290	1300	720	6600	3710	17500	10300	44000	28000
40	22	540	300	1400	770	6800	3830	18000	10600	45000	29000
50	27	550	300	1500	830	7000	3940	18500	10900	46000	30000
60	33	560	310	1600	880	7200	4060	19000	11200	47000	30000
70	38	570	310	1700	940	7400	4170	19500	11500	48000	31000
80	44	580	320	1800	990	7600	4290	20000	11800	49000	32000
90	49	590	320	1900	1050	7800	4410	20500	12100	50000	33000
100	55	600	330	2000	1100	8000	4520	21000	12500	51000	33000
110	60	610	340	2100	1160	8200	4640	21500	12800	52000	34000
120	66	620	340	2200	1220	8400	4760	22000	13100	53000	35000
130	71	630	350	2300	1270	8600	4870	22500	13400	54000	36000
140	77	640	350	2400	1330	8800	4990	23000	13700	55000	36000
150	82	650	360	2500	1380	9000	5110	23500	14100	56000	37000
160	88	660	360	2600	1440	9200	5230	24000	14400	57000	38000
170	93	670	370	2700	1500	9400	5340	24500	14700	58000	39000
180	99	680	370	2800	1550	9600	5460	25000	15000	59000	40000
190	104	690	380	2900	1610	9800	5580	25500	15400	60000	40000
200	110	700	380	3000	1660	10000	5700	26000	15700	61000	41000
210	115	710	390	3100	1720	10200	5820	26500	16000	62000	42000
220	121	720	400	3200	1780	10400	5930	27000	16400	63000	43000
230	126	730	400	3300	1830	10600	6050	27500	16700	64000	44000
240	132	740	410	3400	1890	10800	6170	28000	17000	65000	44000
250	137	750	410	3500	1940	11000	6290	28500	17400	66000	45000
260	143	760	420	3600	2000	11200	6410	29000	17700	67000	46000
270	148	770	420	3700	2060	11400	6530	29500	18000	68000	47000
280	154	780	430	3800	2110	11600	6650	30000	18400	69000	48000
290	159	790	430	3900	2170	11800	6770	30500	18700	70000	48000
300	165	800	440	4000	2230	12000	6890	31000	19000	71000	49000
310	170	810	450	4100	2280	12200	7010	31500	19400	72000	50000
320	176	820	450	4200	2340	12400	7130	32000	19700	73000	51000
330	181	830	460	4300	2400	12600	7250	32500	20100	74000	52000
340	187	840	460	4400	2450	12800	7370	33000	20400	75000	53000
350	192	850	470	4500	2510	13000	7490	33500	20800	76000	53000
360	198	860	470	4600	2570	13200	7610	34000	21100	77000	54000
370	203	870	480	4700	2620	13400	7730	34500	21400	78000	55000
380	209	880	480	4800	2680	13600	7850	35000	21800	79000	56000
390	214	890	490	4900	2740	13800	7980	35500	22100	80000	57000
400	220	900	490	5000	2790	14000	8100	36000	22500	81000	58000
410	225	910	500	5100	2850	14200	8220	36500	22800	82000	59000
420	231	920	510	5200	2910	14400	8340	37000	23200	83000	59000
430	236	930	510	5300	2970	14600	8460	37500	23500	84000	60000
440	242	940	520	5400	3020	14800	8590	38000	23900	85000	61000
450	247	950	520	5500	3080	15000	8710	38500	24200	86000	62000
460	253	960	530	5600	3140	15200	8830	39000	24600	87000	63000
470	258	970	530	5700	3190	15400	8950	39500	25000	88000	64000
480	264	980	540	5800	3250	15600	9080	40000	25300	89000	65000
490	269	990	540	5900	3310	15800	9200	40500	25700	90000	66000
500	275	1000	550	6000	3370	16000	9320	41000	26000	91000	67000

Prepared by Barry Porter 3/06/2011

C-5 PUMPING TEST VALUES AND LOCATIONS (AWE 2011B)



C-5. Location of pumping wells for the pumping tests in Loxton and Bookpurnong (AWE 2011b)

Production well	Observation well	T (m2/d)	K (m/d)*	S (-)	Method	Year	Aquifer
LM3	LM4	41	4.1	6.2E-04	Stallman with recharge boundary	2004	Monoman Formation
LM1	LM2	89	8.9	2.2E-04	Stallman with recharge boundary	2004	Monoman Formation
PP7A	AAF2	108	9.4	1.0E-03	Hantush	2001	Monoman Formation
LFP11	LFO11	52	10	3.9E-04	Walton	2004	Monoman Formation
PP7A	PP7C	145	13	4.8E-04	Hantush	2001	Monoman Formation
PP7C	AAF1	108	13	4.5E-04	Hantush	2001	Monoman Formation
LPP1	LPP2	40	13	1.9E-04	Walton	2002	Monoman Formation
LM3	LM5	138	14	1.3E-03	Stallman with recharge boundary	2004	Monoman Formation
PP7C	PP7A	136	16	4.7E-04	Hantush	2001	Monoman Formation
LFP12	LFO13	87	17	9.3E-04	Walton	2004	Monoman Formation
48F	S8	150	18	9.1E-04	Stallman with recharge boundary	2004	Monoman Formation
59F	S12	185	19	9.3E-04	Stallman with recharge boundary	2004	Monoman Formation
LPP2	LPP1	77	19	2.8E-04	Walton	2002	Monoman Formation
25F	25F	178	20	4.9E-04	Hantush	2004	Monoman Formation
PP6A	PP6B	119	20	6.7E-04	Hantush	2001	Monoman Formation
LFP16_2	LFO22	194	22	1.3E-03	Walton	2004	Monoman Formation
PP2B	PP2A	119	24	5.6E-04	Hantush	2001	Monoman Formation
25F	27F	216	24	4.7E-04	Hantush	2004	Monoman Formation
6F	PP8B	169	24	1.1E-04	Stallman with recharge boundary	2004	Monoman Formation
LFP18	LFO40	122	25	6.5E-04	Walton	2004	Monoman Formation
LFP18	LFO39	122	25	3.1E-03	Walton	2004	Monoman Formation
PP2A	PP2B	88	29	5.2E-04	Hantush	2001	Monoman Formation
65F	68F	296	30	6.8E-04	Hantush	2004	Monoman Formation
LFP16_2	LFO35	267	30	6.4E-04	Walton	2004	Monoman Formation
LPP3	LPP4	189	34	7.1E-04	Walton	2002	Monoman Formation
PP4B	PP4B	108	36	7.2E-06	Neuman	2001	Monoman Formation
PP3B	PP3A	184	37	3.0E-02	Hantush	2001	Monoman Formation
LPP6	LPP5	232	39	2.3E-04	Walton	2002	Monoman Formation
32F	BKP10	513	48	2.8E-03	Hantush	2004	Monoman Formation
LPP5	LPP6	248	50	2.5E-04	Walton	2002	Monoman Formation
36F	BKP6	415	52	2.2E-03	Hantush	2004	Monoman Formation
BKP3	BKP3	159	53	2.6E-04	Hantush	2002	Monoman Formation
CF1	CF3	373	53	4.0E-03	Cooper Jacob	2001	Monoman Formation
LM1	CF4	57	57	4.0E-04	Theis	2004	Monoman Formation
73F	PP1A	440	63	4.4E-04	Hantush	2004	Monoman Formation
CF1	BP9	268	67	3.4E-03	Hantush	2001	Monoman Formation
CF1	BP8	268	67	1.2E-02	Hantush	2001	Monoman Formation
LPP4	LPP3	431	*78*	4.8E-04	Cooper Jacob	2002	Monoman Formation
CF1	CF1	379	*95*	2.7E-03	Cooper Jacob	2001	Monoman Formation
LPP7	LPP8	362	*98*	1.2E-03	Theis	2002	Monoman Formation
LPP8	LPP7	494	*104*	6.6E-04	Theis	2002	Monoman Formation
CF1	BP10	627	*139*	2.5E-03	Cooper Jacob	2001	Monoman Formation
CF1	BP7	674	*168*	5.4E-03	Hantush	2001	Monoman Formation
CF1	BP3	1010	*202*	1.4E-03	Cooper Jacob	2001	Monoman Formation
2F	2F	192		4.4E-05	Hantush	2005	Monoman Formation
2F	PP8c	48		6.6E-05	Hantush with recharge boundary	2005	Monoman Formation
PP3A	PP3B	200		2.5E-04	Cooper Jacob	2001	Monoman Formation
PP1A	PP1B	215		4.9E-04	Cooper Jacob	2001	Monoman Formation
2F	PP8a	50		8.1E-04	Hantush with recharge boundary	2005	Monoman Formation
PP9B	PP9A	489		2.5E-03	Cooper Jacob	2001	Monoman Formation
PP3A	PP3C	204		3.9E-03	Cooper Jacob	2001	Monoman Formation
PP4C	BKP4	207		3.9E-03	Cooper Jacob	2001	Monoman Formation
BKP5	BKP5	111		1.0E-02	Cooper Jacob	2001	Monoman Formation
2F	2F obs	129		2.3E-02	Hantush with recharge boundary	2005	Monoman Formation
PP4A	PP4A	201		6.5E-02	Cooper Jacob	2001	Monoman Formation
LOW-16	LOW-16	527			Step Test	2006	Monoman Formation
LOW-17	LOW-17	49			Step Test	2006	Monoman Formation
LOW-4	LOW-4	61			Step Test	2005	Monoman Formation
LPW-1	LPW-1	95			Step Test	2004	Monoman Formation
LPW-10	LPW-10	909			Step Test	2006	Monoman Formation
LPW-11	LPW-11	158			Step Test	2006	Monoman Formation
LPW-12	LPW-12	104			Step Test	2005	Monoman Formation
LPW-13	LPW-13	207			Step Test	2006	Monoman Formation
LPW-14	LPW-14	146			Step Test	2006	Monoman Formation
LPW-15	LPW-15	30			Step Test	2006	Monoman Formation
LPW-17	LPW-17	226			Step Test	2006	Monoman Formation
LPW-18B	LPW-18B	37			Step Test	2006	Monoman Formation
LPW-2	LPW-2	152			Step Test	2004	Monoman Formation
LPW-20	LPW-20	44			Step Test	2005	Monoman Formation
LPW-21	LPW-21	57			Step Test	2005	Monoman Formation
LPW-22	LPW-22	211			Step Test	2005	Monoman Formation
LPW-23	LPW-23	208			Step Test	2004	Monoman Formation

C-5. Pumping test values (AWE 2003b) considered for assigning hydraulic parameters in the model
K(m/d)*: values in italic are considered to represent localised conditions and are not suitable for regional scale modelling.

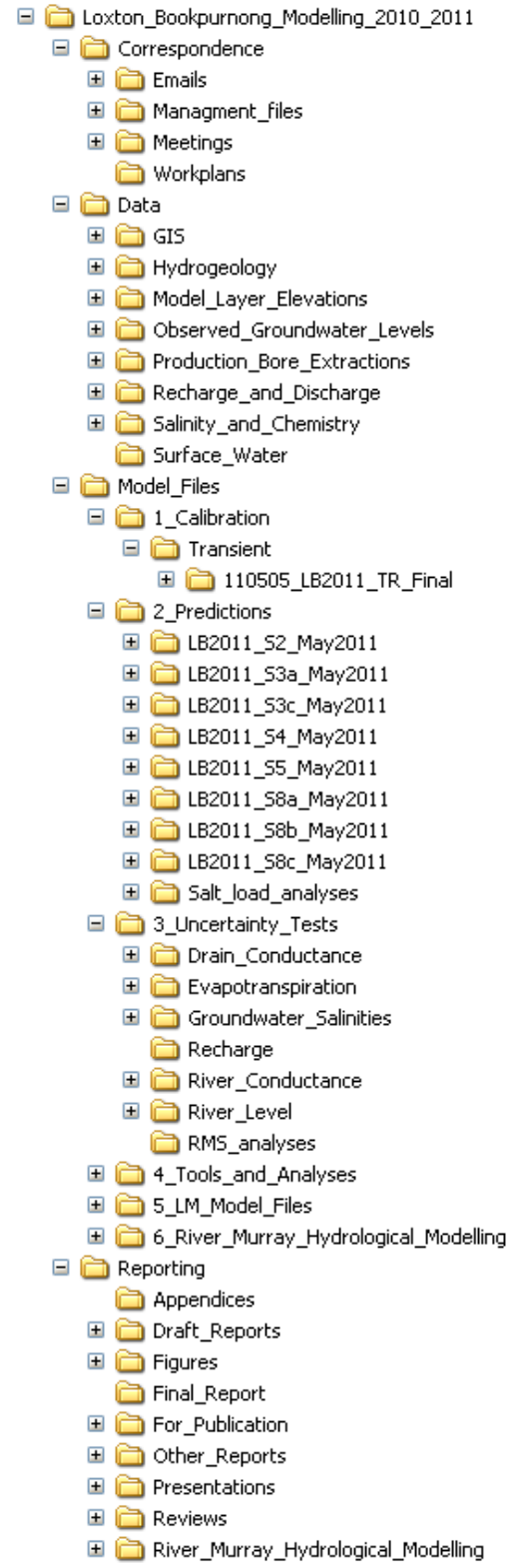
Production well	Observation well	T (m2/d)	K (m/d)*	S (-)	Method	Year	Aquifer
LPW-24	LPW-24	490			Step Test	2005	Monoman Formation
LPW-25	LPW-25	105			Step Test	2005	Monoman Formation
LPW-26	LPW-26	109			Step Test	2006	Monoman Formation
LPW-27	LPW-27	38			Step Test	2005	Monoman Formation
LPW-3	LPW-3	136			Step Test	2005	Monoman Formation
LPW-5	LPW-5	54			Step Test	2006	Monoman Formation
LPW-9	LPW-9	246			Step Test	2006	Monoman Formation
HP10_ HP11_ HP12	HO11-12L	42	2.6	5.0E-02	Hantush	2006	Loxton Sand
HP3	HP4	50	3.1	1.3E-01	Hantush	2005	Loxton Sand
HP4	HO3-5	57	3.6	3.9E-02	Hantush	2005	Loxton Sand
BHP8	HO10	64	4.0	2.4E-01	Hantush	2005	Loxton Sand
HP3	HO1-2	69	4.3	1.3E-01	Hantush	2005	Loxton Sand
HP3	HO2-3	70	4.4	1.6E-01	Hantush	2005	Loxton Sand
BHP5	BKP1	59	5.9		Neuman	2003	Loxton Sand
HP4	HO3-4	101	6.3	6.4E-02	Hantush	2005	Loxton Sand
BHP8	BHP8	82	10	1.0E-02	Theis	2004	Loxton Sand
BHP2	BHO2	107	11		Neuman	2002	Loxton Sand
BHP7	BHP7	110	11	1.0E-02	Theis	2004	Loxton Sand
HP10_ HP11_ HP12	HO10-11L	175	11	1.1E-01	Theis Jacob Correction	2006	Loxton Sand
BHP9	BHP9	75	12		Cooper Jacob	2004	Loxton Sand
BHP3	BHO3	90	13		Neuman	2003	Loxton Sand
BHP10	BHP1	282	18	3.4E-02	Theis	2004	Loxton Sand
LHP47	LHP47	100	20		Cooper Jacob	2004	Loxton Sand + Shells
HP10_ HP11_ HP12	HO12	362	23	2.1E-01	Theis Jacob Correction	2006	Loxton Sand
LHP46	LHO51	178	*35*		Neuman	2004	Loxton Sand + Shells
LHP45	LHO48	437	*52*		Cooper Jacob	2004	Loxton Sand + Shells
LHP48	LHO56	260	*53*		Cooper Jacob	2004	Loxton Sand + Shells
LHP44	LHO44	450	*78*		Cooper Jacob	2004	Loxton Sand + Shells
LFP2P	LFO6P	1	0.09	3.1E-05	Walton	2002	Pata Formation
LFP3P	LFPO3P_2	3	0.35	2.6E-04	Walton	2004	Pata Formation
LHO14P	LHP14P	1	0.14	4.9E-04	Walton	2004	Pata Formation
LHP42P	LHO42P	2	0.42	1.9E-04	Walton	2004	Pata Formation
LHP43P	LHO43P	4	0.26	2.5E-04	Walton	2003	Pata Formation
LFP3GF	LFO3GF_2	3	0.14	2.0E-04	Walton	2004	Glenforslan Formation
LHP1GF	LHO40GF	9	0.6	1.8E-04	Walton	2002	Glenforslan Formation
LFP1P	LFO1UMF	69	1.4	2.8E-04	Walton	2002	Upper Mannum Formation
MAN5P	MAN12O	62	1.3	2.1E-04	Walton	2002	Upper Mannum Formation
MAN8P	MAN11O	112	2.3	2.4E-04	Walton	2002	Upper Mannum Formation

C-5. Pumping test values (AWE 2003b) considered for assigning hydraulic parameters in the model
K(m/d)*: values in italic are considered to represent localised conditions and are not suitable for regional scale modelling.

C-6 MODEL ARCHIVING

APPENDIX C-6 MODEL ARCHIVING

The project folder directory is shown in the figure below and was structured based on the Groundwater Model Warehouse guideline (in preparation):



- The final calibrated transient model files are stored under:

  Model_Files\1_Calibration\Transient\ 110505_LB2011_TR_Final

  The steady-state model is the first stress period of the transient model.

- All the prediction model files are stored under:

  Model_Files\2_Predictions

- All the uncertainty test model files are stored under:

  Model_Files\3_Uncertainty_Tests

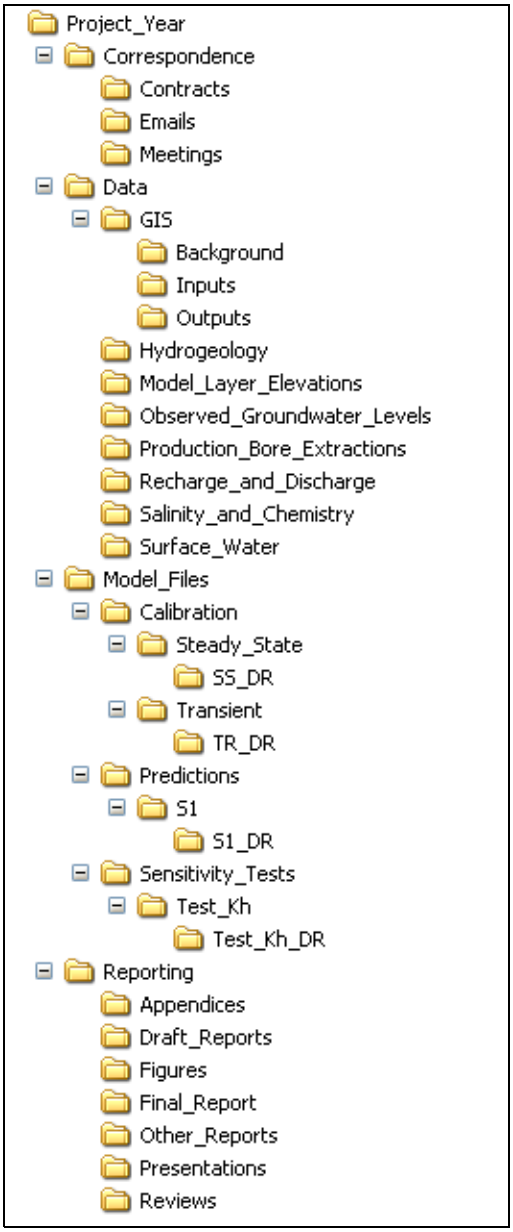
The table below lists the name of the models and their associated initial head file.

Model run for:	File name	Initial head file	SP used for initial head
Calibration (Model_Files\1_Calibration)			
Calibrated steady-state model	*It is modelled as the first stress period of the transient calibrated model. See below for details.*		
Calibrated transient model	LB2011_TR.vmf	LB2011_SS.HDS	1
Prediction models (Model_Files\2_Predictions)			
Prediction model Scenario 1	*It is modelled as the first stress period of the transient calibrated model. See above for details.*		
Prediction model Scenario 2	LB2011_S2_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 3a	LB2011_S3a_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 3c	LB2011_S3c_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 4	LB2011_S4_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 5	LB2011_S5_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 8a	LB2011_S8a_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 8b	LB2011_S8b_May2011.vmf	LB2011_SS.HDS	1
Prediction model Scenario 8c	LB2011_S8c_May2011.vmf	LB2011_SS.HDS	1
Uncertainty test models (Model_Files\3_Uncertainty_Tests)			
Uncertainty test - ET 5 mm/yr	LB2011_ET_5mmyr.vmf	LB2011_SS.HDS	1
Uncertainty test - ET 80 mm/yr	LB2011_ET_80mmyr.vmf	LB2011_SS.HDS	1
Uncertainty test - River stage 10 mAHD	LB2011_River_Level_10mAHD.vmf	LB2011_SS.HDS	1
Uncertainty test - River stage 10.5 mAHD	LB2011_River_Level_10_5mAHD.vmf	LB2011_SS.HDS	1
Uncertainty test - River conductance 500 m^2/d	LB2011_River_Cond_500m2d.vmf	LB2011_SS.HDS	1
Uncertainty test - River conductance 4500 m^2/d	LB2011_River_Cond_4500m2d.vmf	LB2011_SS.HDS	1
Uncertainty test - Groundwater salinity	*No model run was required for this test. Different salinity values were used to calculate salt loads in spreadsheets.*		

GROUNDWATER MODEL WAREHOUSE ARCHIVING AND VERSION CONTROL

Department for Water

Proposed Filing Structure:



General Rules for Filing:

- A new project should start with a new main folder.
- Project name should include both region and year. E.g. Morgan_Wellington_2009_2010
- Use underscore (i.e. _) instead of space.
- At the end of the project, empty folder(s) should be deleted.
- Each model (e.g. steady-state, transient and scenarios) should be stored in a separate folder.
- At the end of the project, only the final version of the model files should be archived.
- In each model folder, a DR folder (DR stands for Data and Results) should be created to store:
  - inputs that only apply to that particular model
  - head file for initial heads (if not already incorporated into the model) and a text file to indicate which time step of the head file is to be used for initial heads
  - outputs from that particular model and subsequent analyses.
- Creation of any necessary folders in addition to the proposed folders should be kept to a minimum.

Model Naming Conventions

Calibrated Models:	Region & Completion Year_Type E.g. MW2009_SS and MW2009_TR
Scenario and Prediction Modelling:	Region & Completion Year_Scenario(Run Date) E.g. MW2009_S2(Feb2010)

Region: It should be abbreviated. For example, use MW for Morgan to Wellington.

Type: Use SS for steady-state and TR for transient.

Scenario: It should be abbreviated. For example, use S2 for Scenario two.

Run Date: Date when the model is used to run the scenario, including both month and year.