Woolpunda Numerical Groundwater Model 2013

Volume 2: appendices

Government of South Australia
Department of Environment, Water and Natural Resources

WOOLPUNDA NUMERICAL GROUNDWATER MODEL 2013

VOLUME 2: APPENDICES

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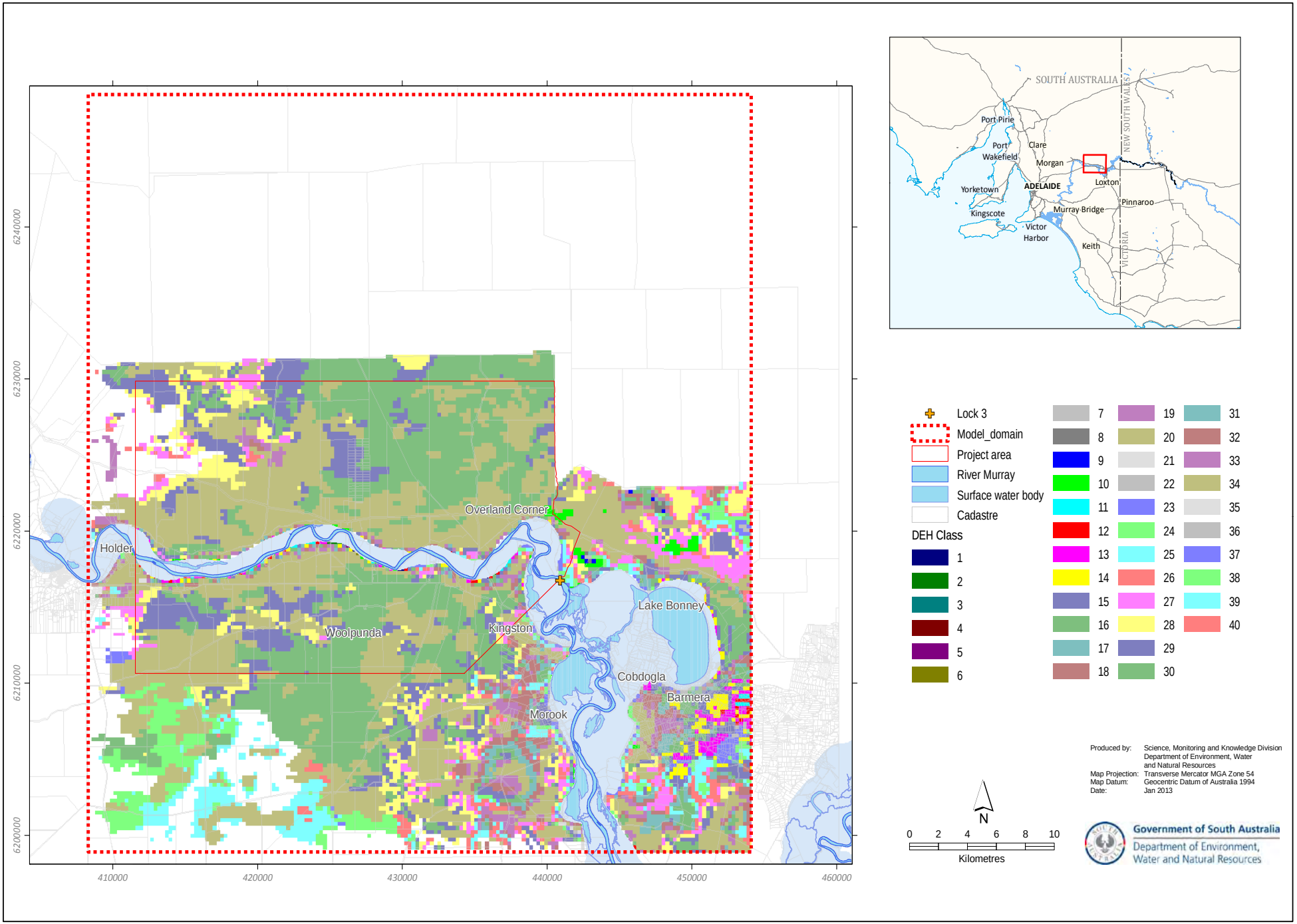
A. MODEL INPUTS (RECHARGE ZONES AND VALUES AND MODELLED PUMPING RATES)

A-1 MODEL INPUT - MALLEE CLEARANCE

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



A-1. Mallee Clearance Recharge Zone s in Woolpunda (S2)

DEH zone number				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MODFLOW recharge zone number				2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Start (y)	Stop (y)	Start (d)	Stop (d)	Recharge rate (mm/y)																			
Steady state		0	7306	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1920	1930	7306	10959	0.31	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.43	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1930	1940	10959	14611	0.64	0.16	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	2.92	0.41	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1940	1950	14611	18264	0.66	0.43	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3.03	1.67	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1950	1960	18264	21916	0.66	0.63	0.18	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3.03	2.56	0.64	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1960	1970	21916	25569	0.66	0.66	0.40	0.10	0.10	0.10	0.10	0.10	0.10	0.10	3.03	2.80	1.92	0.20	0.10	0.10	0.10	0.10	0.10	0.10
1970	1980	25569	29221	0.66	0.66	0.54	0.16	0.10	0.10	0.10	0.10	0.10	0.10	3.03	2.82	2.78	0.91	0.10	0.10	0.10	0.10	0.10	0.10
1980	1990	29221	32874	0.66	0.66	0.58	0.30	0.12	0.10	0.10	0.10	0.10	0.10	3.03	2.82	3.05	1.94	0.27	0.10	0.10	0.10	0.10	0.10
1990	2000	32874	36526	0.66	0.66	0.58	0.40	0.20	0.10	0.10	0.10	0.10	0.10	3.03	2.82	3.09	2.62	0.90	0.14	0.10	0.10	0.10	0.10
2000	2010	36526	40179	0.66	0.66	0.59	0.44	0.34	0.12	0.10	0.10	0.10	0.10	3.03	2.82	3.09	2.88	1.79	0.43	0.10	0.10	0.10	0.10
2010	2020	40179	43831	0.66	0.66	0.59	0.45	0.46	0.20	0.10	0.10	0.10	0.10	3.03	2.82	3.09	2.95	2.50	1.09	0.22	0.10	0.10	0.10
2020	2030	43831	47484	0.66	0.66	0.59	0.46	0.52	0.31	0.12	0.10	0.10	0.10	3.03	2.82	3.09	2.96	2.86	1.95	0.59	0.13	0.10	0.10
2030	2040	47484	51136	0.66	0.66	0.59	0.46	0.53	0.43	0.21	0.10	0.10	0.10	3.03	2.82	3.09	2.96	3.00	2.71	1.18	0.31	0.11	0.10
2040	2050	51136	54789	0.66	0.66	0.59	0.46	0.53	0.49	0.34	0.11	0.10	0.10	3.03	2.82	3.09	2.96	3.04	3.21	1.86	0.66	0.20	0.10
2050	2060	54789	58441	0.66	0.66	0.59	0.46	0.53	0.52	0.45	0.14	0.10	0.10	3.03	2.82	3.09	2.96	3.05	3.46	2.45	1.15	0.45	0.10
2060	2070	58441	62094	0.66	0.66	0.59	0.46	0.53	0.53	0.54	0.23	0.11	0.10	3.03	2.82	3.09	2.96	3.05	3.57	2.84	1.69	0.86	0.11
2070	2080	62094	65746	0.66	0.66	0.59	0.46	0.53	0.54	0.62	0.25	0.15	0.10	3.03	2.82	3.09	2.96	3.05	3.61	3.07	2.15	1.37	0.14
2080	2090	65746	69399	0.66	0.66	0.59	0.46	0.53	0.54	0.65	0.28	0.21	0.10	3.03	2.82	3.09	2.96	3.05	3.62	3.18	2.49	1.91	0.19
2090	2100	69399	73051	0.66	0.66	0.59	0.46	0.53	0.54	0.66	0.33	0.24	0.10	3.03	2.82	3.09	2.96	3.05	3.62	3.22	2.71	2.39	0.25
2100	2110	73051	76703	0.66	0.66	0.59	0.46	0.53	0.54	0.66	0.36	0.26	0.11	3.03	2.82	3.09	2.96	3.05	3.62	3.24	2.82	2.74	0.34
2110	2120	76703	80355	0.66	0.66	0.59	0.46	0.53	0.54	0.66	0.37	0.30	0.11	3.03	2.82	3.09	2.96	3.05	3.62	3.25	2.88	2.98	0.44

DEH zone number				21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
MODFLOW recharge zone number				22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Start (y)	Stop (y)	Start (d)	Stop (d)	Recharge rate (mm/y)																			
Steady state		0	7306	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1920	1930	7306	10959	3.64	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	6.47	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1930	1940	10959	14611	7.31	0.94	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	11.64	0.62	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1940	1950	14611	18264	7.67	4.64	0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10	11.94	5.47	0.15	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1950	1960	18264	21916	7.67	6.76	1.26	0.10	0.10	0.10	0.10	0.10	0.10	0.10	11.94	11.33	2.16	0.10	0.10	0.10	0.10	0.10	0.10	0.10
1960	1970	21916	25569	7.67	7.11	4.30	0.26	0.10	0.10	0.10	0.10	0.10	0.10	11.94	12.48	7.76	0.39	0.10	0.10	0.10	0.10	0.10	0.10
1970	1980	25569	29221	7.67	7.13	6.43	1.56	0.12	0.10	0.10	0.10	0.10	0.10	11.94	12.53	12.46	2.78	0.16	0.10	0.10	0.10	0.10	0.10
1980	1990	29221	32874	7.67	7.13	7.10	4.09	0.58	0.10	0.10	0.10	0.10	0.10	11.94	12.53	14.09	7.69	1.03	0.11	0.10	0.10	0.10	0.10
1990	2000	32874	36526	7.67	7.13	7.21	6.17	2.07	0.25	0.10	0.10	0.10	0.10	11.94	12.53	14.36	12.04	3.85	0.51	0.10	0.10	0.10	0.10
2000	2010	36526	40179	7.67	7.13	7.22	7.12	4.27	0.99	0.14	0.10	0.10	0.10	11.94	12.53	14.39	14.10	8.01	2.08	0.20	0.10	0.10	0.10
2010	2020	40179	43831	7.67	7.13	7.23	7.38	6.14	2.51	0.47	0.10	0.10	0.10	11.94	12.53	14.39	14.71	11.55	5.01	0.79	0.12	0.10	0.10
2020	2030	43831	47484	7.67	7.13	7.23	7.44	7.18	4.38	1.35	0.23	0.10	0.10	11.94	12.53	14.39	14.84	13.52	8.32	2.27	0.37	0.10	0.10
2030	2040	47484	51136	7.67	7.13	7.23	7.45	7.60	5.95	2.77	0.68	0.14	0.10	11.94	12.53	14.39	14.86	14.33	10.86	4.60	1.14	0.17	0.10
2040	2050	51136	54789	7.67	7.13	7.23	7.45	7.74	6.92	4.40	1.56	0.38	0.10	11.94	12.53	14.39	14.86	14.58	12.32	7.19	2.64	0.53	0.13
2050	2060	54789	58441	7.67	7.13	7.23	7.45	7.77	7.39	5.80	2.80	0.91	0.16	11.94	12.53	14.39	14.86	14.65	12.98	9.40	4.70	1.32	0.31
2060	2070	58441	62094	7.67	7.13	7.23	7.45	7.78	7.58	6.76	4.15	1.79	0.32	11.94	12.53	14.39	14.86	14.66	13.24	10.91	6.90	2.66	0.76
2070	2080	62094	65746	7.67	7.13	7.23	7.45	7.78	7.64	7.31	5.32	2.93	0.64	11.94	12.53	14.39	14.86	14.66	13.32	11.76	8.77	4.42	1.60
2080	2090	65746	69399	7.67	7.13	7.23	7.45	7.78	7.66	7.58	6.17	4.13	1.15	11.94	12.53	14.39	14.86	14.66	13.35	12.19	10.10	6.32	2.85
2090	2100	69399	73051	7.67	7.13	7.23	7.45	7.78	7.67	7.69	6.71	5.21	1.84	11.94	12.53	14.39	14.86	14.66	13.35	12.37	10.92	8.04	4.39
2100	2110	73051	76703	7.67	7.13	7.23	7.45	7.78	7.67	7.73	7.00	6.03	2.63	11.94	12.53	14.39	14.86	14.66	13.36	12.44	11.36	9.38	6.02
2110	2120	76703	80355	7.67	7.13	7.23	7.45	7.78	7.67	7.75	7.15	6.60	3.47	11.94	12.53	14.39	14.86	14.66	13.36	12.47	11.58	10.32	7.55

A-1. Model Recharge Zones and Recharge Rates (mm/y) for Mallee Clearance in Woolpunda (S2)

A-2 MODEL INPUT - WOOLPUNDA AREA

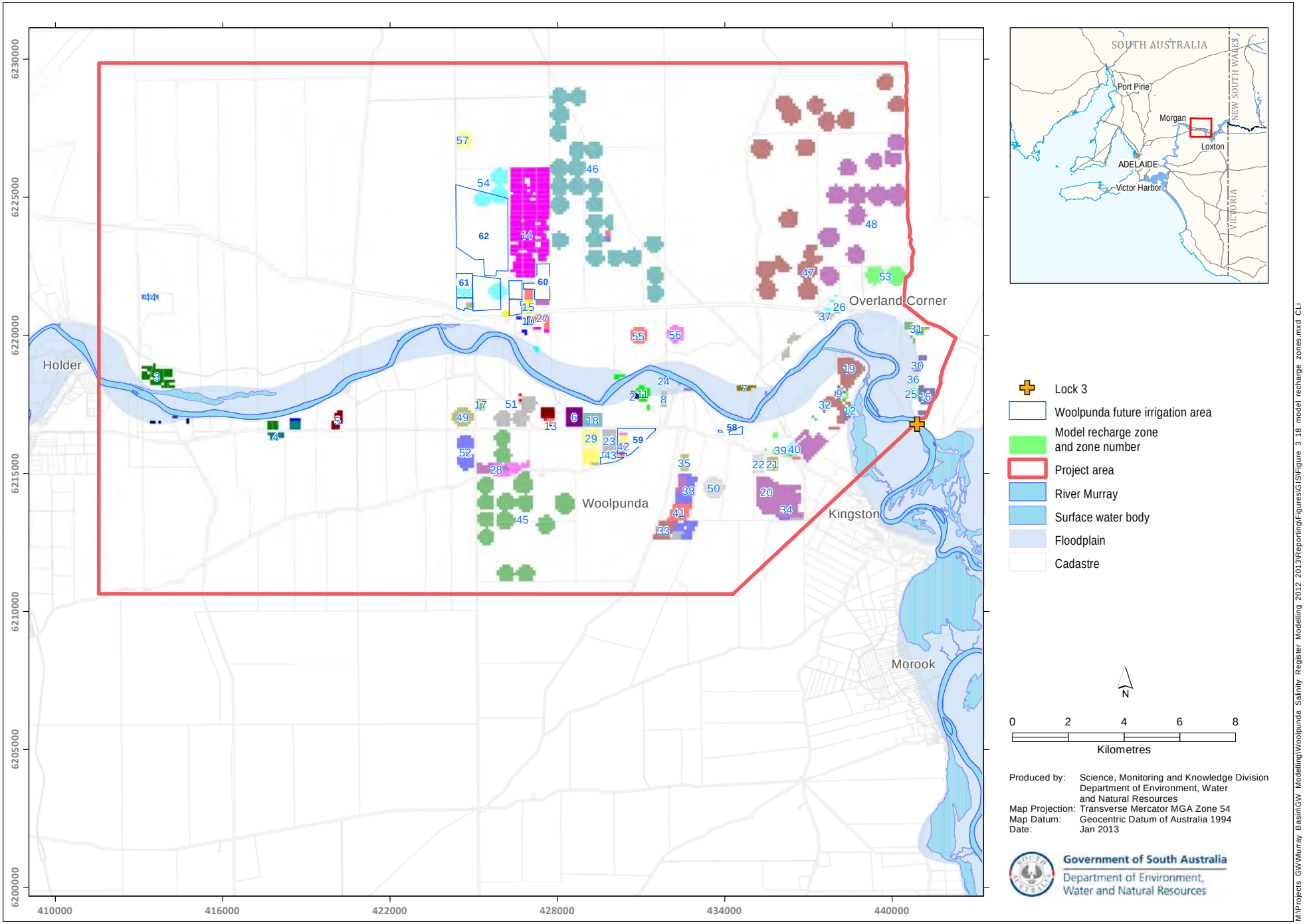
- Model scenario conditions
- Model recharge zones
- Zone number and recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

Scenario	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

A-2. Model Scenario Conditions



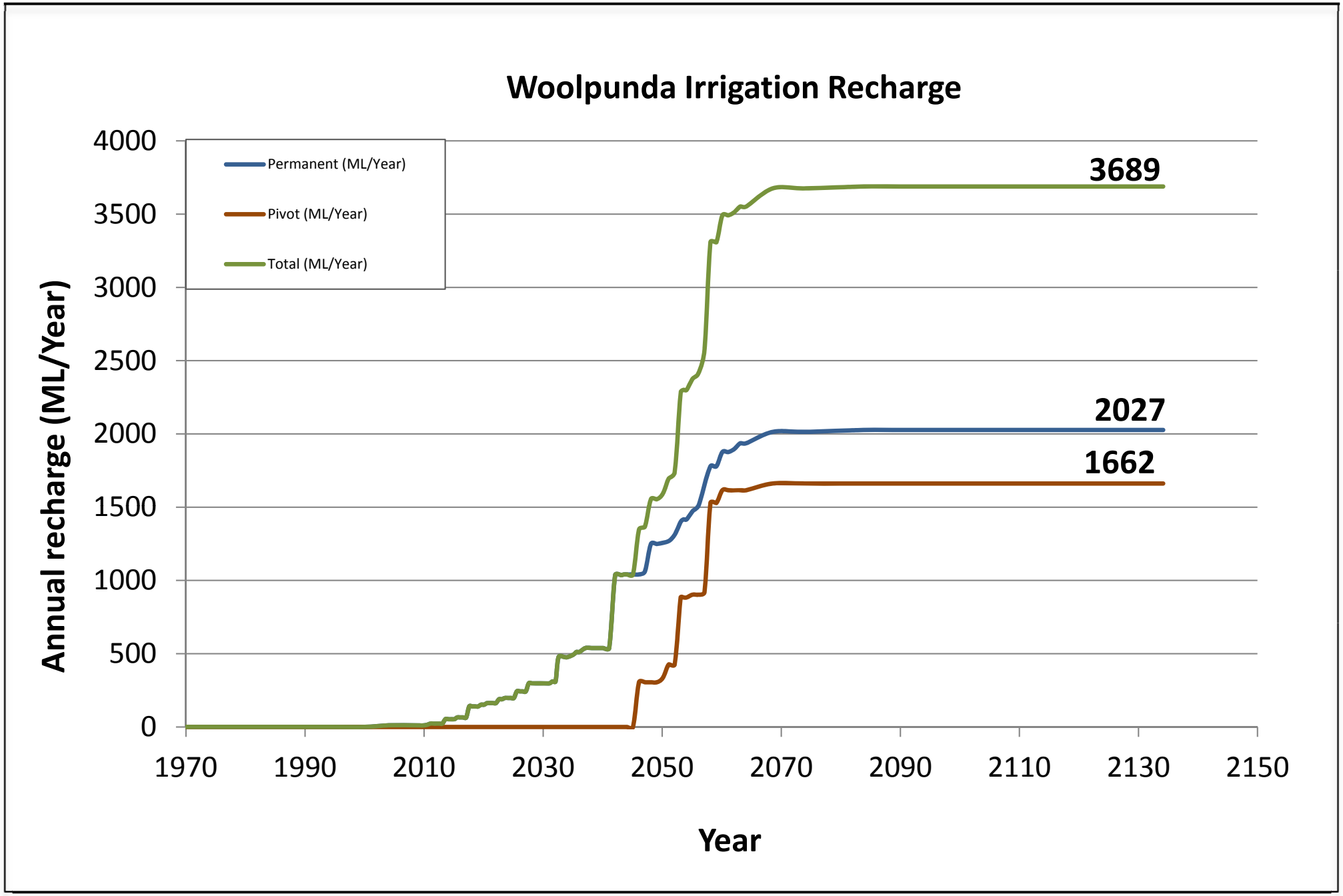
A-2. Model Irrigation Recharge Zones in Woolpunda Area for all Scenarios

Woolpunda				Pre-1988 irrigation									Post-1988 irrigation																																	
Irrigation start year				1972	1972	1972	1972	1972	1980	1980	1980	1980	1988	1988	1988	1991	1991	1995	1995	1995	1997	1997	1997	1997	1997	1999	1999	1999	1999	1999	1999	2001	2001	2001	2001	2001	2001	2002	2002	2002	2003	2004	2004	2005	2005	2007
Lag time (y)				8	25	30	35	40	10	15	20	35	5	15	35	30	35	10	35	40	15	30	35	40	45	0	15	30	35	40	45	10	15	20	30	35	40	5	30	35	30	30	35	39	49	25
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42	Zone 43	Zone 44
Steady state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	7306	29221	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1984	29221	30682	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1988	30682	32143	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1990	32143	32874	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33420	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1992	33420	33604	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33786	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1993	33786	33970	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34151	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1994	34151	34335	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34516	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1995	34516	34700	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	34881	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1996	34881	35065	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35247	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1997	35247	35431	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35612	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1998	35612	35796	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	35977	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	1999	35977	36161	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36342	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2000	36342	36526	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36708	100	100	0.1	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2001	36708	36892	100	100	0.1	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37073	100	100	0.1	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2002	37073	37257	100	100	0.1	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37438	100	100	100	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2003	37438	37622	100	100	100	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37803	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2004	37803	37987	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38169	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2005	38169	38353	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38534	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2006	38534	38718	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	38899	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2007	38899	39083	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39264	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2008	39264	39448	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39630	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2009	39630	39814	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	39995	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2010	39995	40179	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40360	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2011	40360	40544	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40725	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2012	40725	40909	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2013	40909	41091	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2013	41091	41456	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2019	43101	43466	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2019	2020	43466	43831	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2021	43831	44197	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2021	2022	44197	44562	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2023	44562	44927	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2023	2024	44927	45292	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2025	45292	45658	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2025	2026	45658	46023	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2027	46023	46388	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2027	2028	46388	46753	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2029	46753	47119	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2029	2030	47119	47484	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2031	47484	47849	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2031	2032	47849	48214	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2033	48214	48580	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	100
2033	2034	48580	48945	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	100	0.1	0.1	0.1	0.1	100
2034	2035	48945	49310	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	100	100	0.1	0.1	0.1	100
2035	2036	49310	49675	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	100	100	0.1	0.1	0.1	100
2036	2037	49675	50041	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	100	100	100	0.1	100	100	0.1	100	100	0.1	0.1	0.1	100
2037	2038	50041	50406	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	0.1	0.1	100
2038	2039	50406	50771	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	0.1	0.1	100
2039	2040	50771	51136	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	100	0.1	0.1	100
2040	2041	51136	51502	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	100	0.1	0.1	100
2041	2042	51502	51867	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2042	2043	51867	52232	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2043	2044	52232	52597	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2044	2054	52597	56250	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100
2054	2114	56250	78164	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Permanent Irrigation in Woolpunda (Historical Model, S4, S8A)

Woolpunda				Post-1998 irrigation												
Irrigation start year				1995	2002	2002	2002	1995	2004	1995	1995	2004	2004	1999	1997	2001
Lag time (y)				30	30	35	35	30	25	35	35	40	35	35	35	35
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 45	Zone 46	Zone 47	Zone 48	Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56	Zone 57
Steady state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1980	7306	29221	0.1	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	1984	29221	30682	0.1	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	1988	30682	32143	0.1	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	1990	32143	32874	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33420	0.1	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	1992	33420	33604	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33786	0.1	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	1993	33786	33970	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34151	0.1	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	1994	34151	34335	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34516	0.1	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	1995	34516	34700	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	34881	0.1	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	1996	34881	35065	0.1	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	35065	35247	0.1	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	1997	35247	35431	0.1	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	35431	35612	0.1	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	1998	35612	35796	0.1	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	35796	35977	0.1	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	1999	35977	36161	0.1	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	36161	36342	0.1	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	2000	36342	36526	0.1	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	36526	36708	0.1	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	2001	36708	36892	0.1	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	36892	37073	0.1	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	2002	37073	37257	0.1	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	37257	37438	0.1	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	2003	37438	37622	0.1	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	37622	37803	0.1	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	2004	37803	37987	0.1	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	37987	38169	0.1	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	2005	38169	38353	0.1	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	38353	38534	0.1	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	2006	38534	38718	0.1	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	38718	38899	0.1	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	2007	38899	39083	0.1	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	39083	39264	0.1	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	2008	39264	39448	0.1	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	39448	39630	0.1	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	2009	39630	39814	0.1	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	39814	39995	0.1	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	2010	39995	40179	0.1	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	40179	40360	0.1	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	2011	40360	40544	0.1	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	2012	40544	40725	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2012	40725	40909	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2013	40909	41091	0.1	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	2013	41091	41456	0.1	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	41275	41640	0.1	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	41640	42005	0.1	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	42005	42370	0.1	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	42370	42736	0.1	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	42736	43101	0.1	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	2019	43101	43466	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2019	2020	43466	43831	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2021	43831	44197	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2021	2022	44197	44562	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2023	44562	44927	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2023	2024	44927	45292	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2025	45292	45658	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2025	2026	45658	46023	60	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2027	46023	46388	60	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2027	2028	46388	46753	60	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2029	46753	47119	60	0.1	0.1	0.1	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2029	2030	47119	47484	60	0.1	0.1	0.1	60	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2031	47484	47849	60	0.1	0.1	0.1	60	60	60	60	0.1	0.1	0.1	0.1	0.1
2031	2032	47849	48214	60	0.1	0.1	0.1	60	60	60	60	0.1	0.1	0.1	0.1	0.1
2032	2033	48214	48580	60	60	0.1	0.1	60	60	60	60	0.1	0.1	0.1	60	0.1
2033	2034	48580	48945	60	60	0.1	0.1	60	60	60	60	0.1	0.1	0.1	60	0.1
2034	2035	48945	49310	60	60	0.1	0.1	60	60	60	60	0.1	0.1	60	60	0.1
2035	2036	49310	49675	60	60	0.1	0.1	60	60	60	60	0.1	0.1	60	60	0.1
2036	2037	49675	50041	60	60	0.1	0.1	60	60	60	60	0.1	0.1	60	60	60
2037	2038	50041	50406	60	60	60	60	60	60	60	60	0.1	0.1	60	60	60
2038	2039	50406	50771	60	60	60	60	60	60	60	60	0.1	0.1	60	60	60
2039	2040	50771	51136	60	60	60	60	60	60	60	60	0.1	60	60	60	60
2040	2041	51136	51502	60	60	60	60	60	60	60	60	0.1	60	60	60	60
2041	2042	51502	51867	60	60	60	60	60	60	60	60	0.1	60	60	60	60
2042	2043	51867	52232	60	60	60	60	60	60	60	60	0.1	60	60	60	60
2043	2044	52232	52597	60	60	60	60	60	60	60	60	0.1	60	60	60	60
2044	2054	52597	56250	60	60	60	60	60	60	60	60	60	60	60	60	60
2054	20114	56250	78164	60	60	60	60	60	60	60	60	60	60	60	60	60

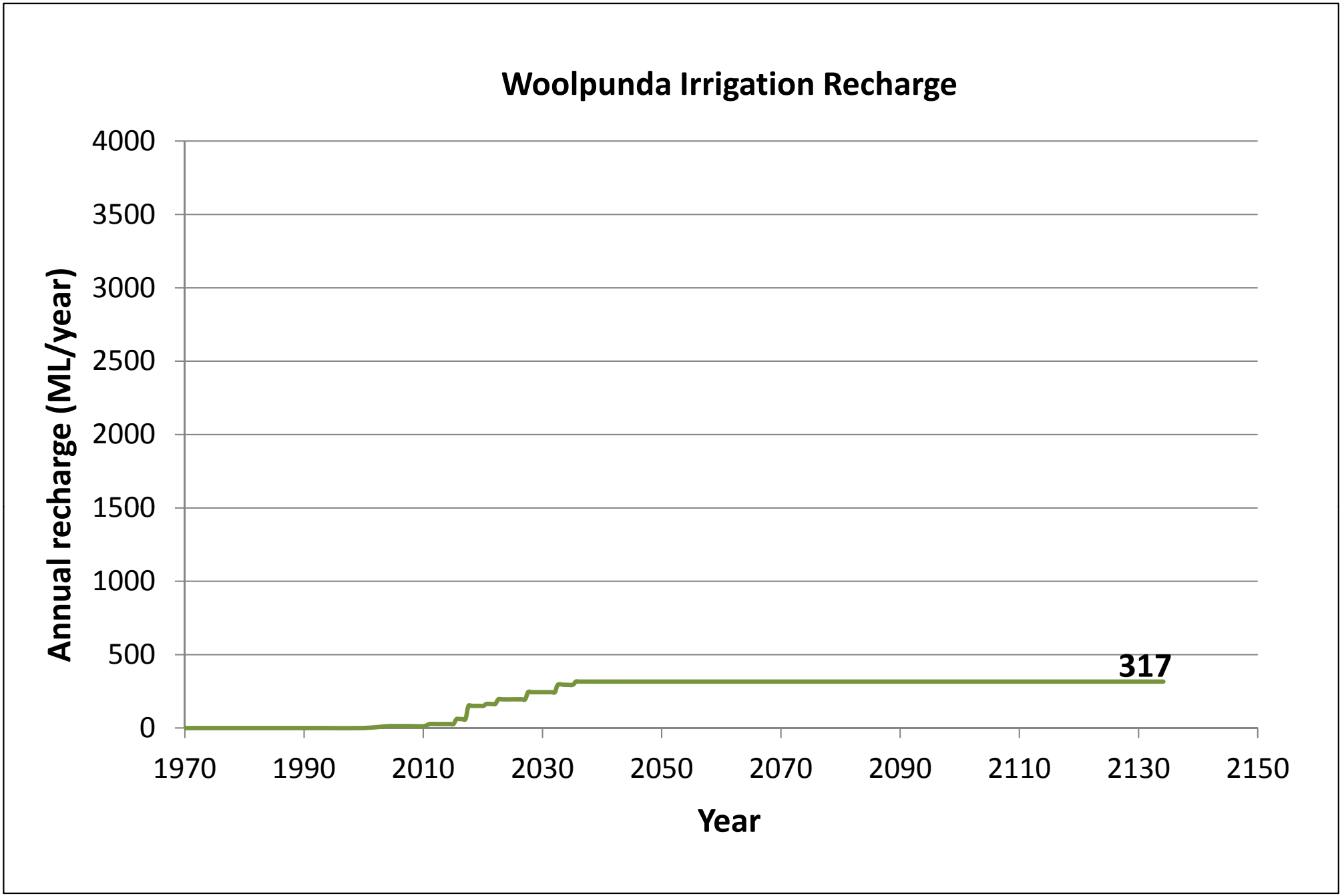
A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Pivot Irrigation in Woolpunda (Historical Model, S4, S8A)



A-2. Permanent, Pivot and Total Recharge Volume Applied in Woolpunda (Historical Model, S4, S8A)

Woolpunda				Pre-1988 irrigation								
Irrigation start year				1972	1972	1972	1972	1972	1980	1980	1980	1980
Lag time (y)				8	25	30	35	40	10	15	20	35
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
Steady state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1980	7306	29221	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1984	29221	30682	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1988	30682	32143	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1990	32143	32874	120	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	120	0.1	0.1	0.1	0.1	120	0.1	0.1	0.1
1991	1992	33239	33604	120	0.1	0.1	0.1	0.1	120	0.1	0.1	0.1
1992	1993	33604	33970	120	0.1	0.1	0.1	0.1	120	0.1	0.1	0.1
1993	1994	33970	34335	120	0.1	0.1	0.1	0.1	120	0.1	0.1	0.1
1994	1995	34335	34700	120	0.1	0.1	0.1	0.1	120	0.1	0.1	0.1
1995	1996	34700	35065	120	0.1	0.1	0.1	0.1	120	120	0.1	0.1
1996	1997	35065	35431	120	0.1	0.1	0.1	0.1	120	120	0.1	0.1
1997	1998	35431	35796	120	120	0.1	0.1	0.1	120	120	0.1	0.1
1998	1999	35796	36161	120	120	0.1	0.1	0.1	120	120	0.1	0.1
1999	2000	36161	36526	120	120	0.1	0.1	0.1	120	120	0.1	0.1
2000	2001	36526	36892	120	120	0.1	0.1	0.1	120	120	120	0.1
2001	2002	36892	37257	120	120	0.1	0.1	0.1	120	120	120	0.1
2002	2003	37257	37622	120	120	120	0.1	0.1	120	120	120	0.1
2003	2004	37622	37987	120	120	120	0.1	0.1	120	120	120	0.1
2004	2005	37987	38353	120	120	120	0.1	0.1	120	120	120	0.1
2005	2006	38353	38718	120	120	120	0.1	0.1	120	120	120	0.1
2006	2007	38718	39083	120	120	120	0.1	0.1	120	120	120	0.1
2007	2008	39083	39448	120	120	120	120	0.1	120	120	120	0.1
2008	2009	39448	39814	120	120	120	120	0.1	120	120	120	0.1
2009	2010	39814	40179	120	120	120	120	0.1	120	120	120	0.1
2010	2011	40179	40544	120	120	120	120	0.1	120	120	120	0.1
2011	2012	40544	40909	120	120	120	120	0.1	120	120	120	0.1
2012	2013	40909	41275	120	120	120	120	120	120	120	120	0.1
2013	2014	41275	41640	120	120	120	120	120	120	120	120	0.1
2014	2015	41640	42005	120	120	120	120	120	120	120	120	0.1
2015	2016	42005	42370	120	120	120	120	120	120	120	120	120
2016	2017	42370	42736	120	120	120	120	120	120	120	120	120
2017	2018	42736	43101	120	120	120	120	120	120	120	120	120
2018	2019	43101	43466	120	120	120	120	120	120	120	120	120
2019	2020	43466	43831	120	120	120	120	120	120	120	120	120
2020	2021	43831	44197	120	120	120	120	120	120	120	120	120
2021	2022	44197	44562	120	120	120	120	120	120	120	120	120
2022	2023	44562	44927	120	120	120	120	120	120	120	120	120
2023	2024	44927	45292	120	120	120	120	120	120	120	120	120
2024	2025	45292	45658	120	120	120	120	120	120	120	120	120
2025	2026	45658	46023	120	120	120	120	120	120	120	120	120
2026	2027	46023	46388	120	120	120	120	120	120	120	120	120
2027	2028	46388	46753	120	120	120	120	120	120	120	120	120
2028	2029	46753	47119	120	120	120	120	120	120	120	120	120
2029	2030	47119	47484	120	120	120	120	120	120	120	120	120
2030	2031	47484	47849	120	120	120	120	120	120	120	120	120
2031	2032	47849	48214	120	120	120	120	120	120	120	120	120
2032	2033	48214	48580	120	120	120	120	120	120	120	120	120
2033	2034	48580	48945	120	120	120	120	120	120	120	120	120
2034	2035	48945	49310	120	120	120	120	120	120	120	120	120
2035	2036	49310	49675	120	120	120	120	120	120	120	120	120
2036	2037	49675	50041	120	120	120	120	120	120	120	120	120
2037	2038	50041	50406	120	120	120	120	120	120	120	120	120
2038	2039	50406	50771	120	120	120	120	120	120	120	120	120
2039	2040	50771	51136	120	120	120	120	120	120	120	120	120
2040	2041	51136	51502	120	120	120	120	120	120	120	120	120
2041	2042	51502	51867	120	120	120	120	120	120	120	120	120
2042	2043	51867	52232	120	120	120	120	120	120	120	120	120
2043	2044	52232	52597	120	120	120	120	120	120	120	120	120
2044	2054	52597	56250	120	120	120	120	120	120	120	120	120
2054	2114	56250	78164	120	120	120	120	120	120	120	120	120

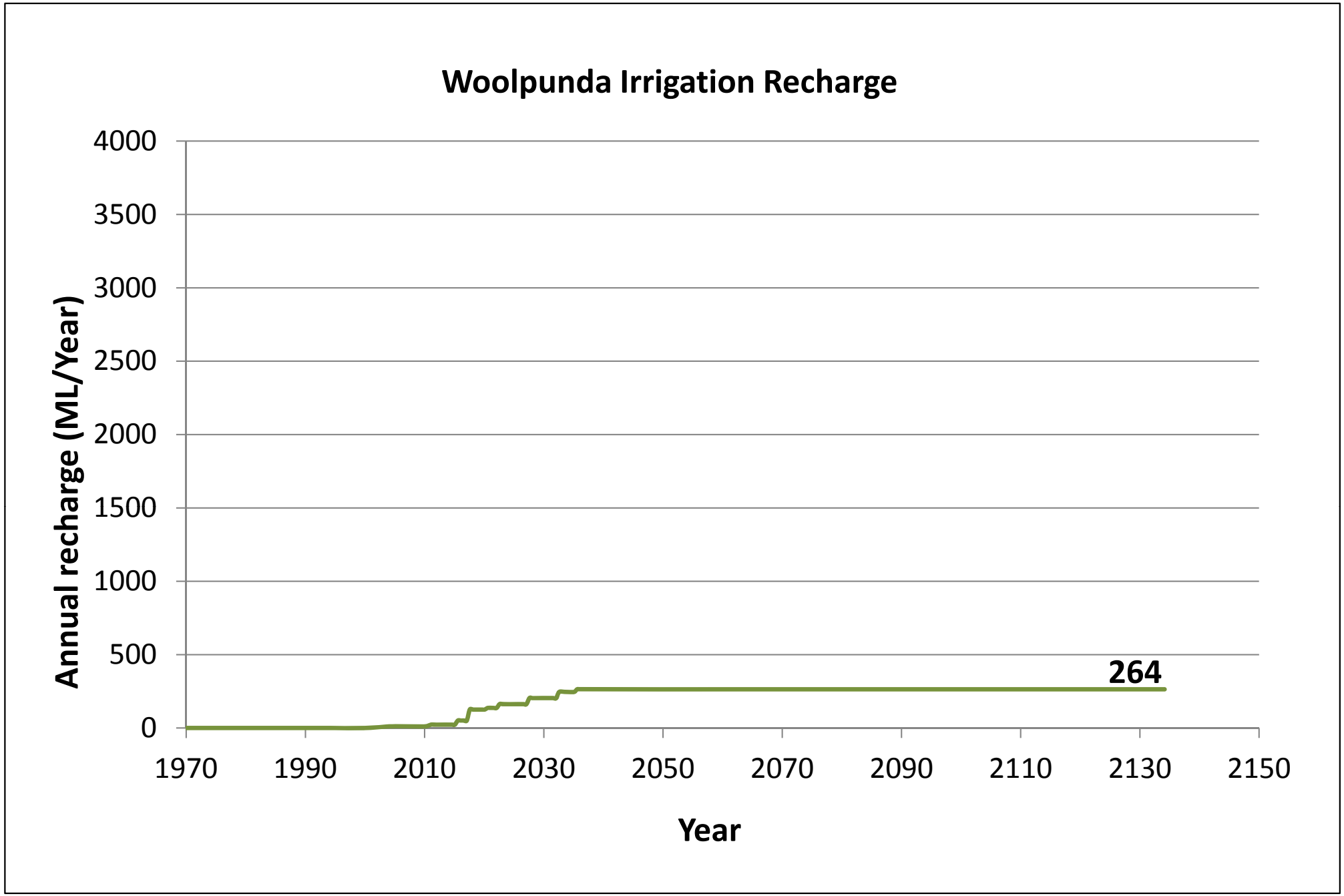
A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Permanent Irrigation in Woolpunda (S3A)



A-2. Total Recharge Volume Applied in Woolpunda (S3A)

Woolpunda				Pre-1988 irrigation								
Irrigation start year				1972	1972	1972	1972	1972	1980	1980	1980	1980
Lag time (y)				8	25	30	35	40	10	15	20	35
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
Steady state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1920	1980	7306	29221	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1980	1984	29221	30682	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1984	1988	30682	32143	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1988	1990	32143	32874	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1
1991	1992	33239	33604	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1
1992	1993	33604	33970	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1
1993	1994	33970	34335	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1
1994	1995	34335	34700	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1
1995	1996	34700	35065	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1
1996	1997	35065	35431	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1
1997	1998	35431	35796	100	100	0.1	0.1	0.1	100	100	0.1	0.1
1998	1999	35796	36161	100	100	0.1	0.1	0.1	100	100	0.1	0.1
1999	2000	36161	36526	100	100	0.1	0.1	0.1	100	100	0.1	0.1
2000	2001	36526	36892	100	100	0.1	0.1	0.1	100	100	100	0.1
2001	2002	36892	37257	100	100	0.1	0.1	0.1	100	100	100	0.1
2002	2003	37257	37622	100	100	100	0.1	0.1	100	100	100	0.1
2003	2004	37622	37987	100	100	100	0.1	0.1	100	100	100	0.1
2004	2005	37987	38353	100	100	100	0.1	0.1	100	100	100	0.1
2005	2006	38353	38718	100	100	100	0.1	0.1	100	100	100	0.1
2006	2007	38718	39083	100	100	100	0.1	0.1	100	100	100	0.1
2007	2008	39083	39448	100	100	100	100	0.1	100	100	100	0.1
2008	2009	39448	39814	100	100	100	100	0.1	100	100	100	0.1
2009	2010	39814	40179	100	100	100	100	0.1	100	100	100	0.1
2010	2011	40179	40544	100	100	100	100	0.1	100	100	100	0.1
2011	2012	40544	40909	100	100	100	100	0.1	100	100	100	0.1
2012	2013	40909	41275	100	100	100	100	100	100	100	100	0.1
2013	2014	41275	41640	100	100	100	100	100	100	100	100	0.1
2014	2015	41640	42005	100	100	100	100	100	100	100	100	0.1
2015	2016	42005	42370	100	100	100	100	100	100	100	100	100
2016	2017	42370	42736	100	100	100	100	100	100	100	100	100
2017	2018	42736	43101	100	100	100	100	100	100	100	100	100
2018	2019	43101	43466	100	100	100	100	100	100	100	100	100
2019	2020	43466	43831	100	100	100	100	100	100	100	100	100
2020	2021	43831	44197	100	100	100	100	100	100	100	100	100
2021	2022	44197	44562	100	100	100	100	100	100	100	100	100
2022	2023	44562	44927	100	100	100	100	100	100	100	100	100
2023	2024	44927	45292	100	100	100	100	100	100	100	100	100
2024	2025	45292	45658	100	100	100	100	100	100	100	100	100
2025	2026	45658	46023	100	100	100	100	100	100	100	100	100
2026	2027	46023	46388	100	100	100	100	100	100	100	100	100
2027	2028	46388	46753	100	100	100	100	100	100	100	100	100
2028	2029	46753	47119	100	100	100	100	100	100	100	100	100
2029	2030	47119	47484	100	100	100	100	100	100	100	100	100
2030	2031	47484	47849	100	100	100	100	100	100	100	100	100
2031	2032	47849	48214	100	100	100	100	100	100	100	100	100
2032	2033	48214	48580	100	100	100	100	100	100	100	100	100
2033	2034	48580	48945	100	100	100	100	100	100	100	100	100
2034	2035	48945	49310	100	100	100	100	100	100	100	100	100
2035	2036	49310	49675	100	100	100	100	100	100	100	100	100
2036	2037	49675	50041	100	100	100	100	100	100	100	100	100
2037	2038	50041	50406	100	100	100	100	100	100	100	100	100
2038	2039	50406	50771	100	100	100	100	100	100	100	100	100
2039	2040	50771	51136	100	100	100	100	100	100	100	100	100
2040	2041	51136	51502	100	100	100	100	100	100	100	100	100
2041	2042	51502	51867	100	100	100	100	100	100	100	100	100
2042	2043	51867	52232	100	100	100	100	100	100	100	100	100
2043	2044	52232	52597	100	100	100	100	100	100	100	100	100
2044	2054	52597	56250	100	100	100	100	100	100	100	100	100
2054	2114	56250	78164	100	100	100	100	100	100	100	100	100

A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Permanent Irrigation in Woolpunda (S3C, S8B)



A-2. Total Recharge Volume Applied in Woolpunda (S3C, S8B)

Woolpunda				Pre-1988 irrigation									Post-1988 irrigation																																	
Irrigation start year				1972	1972	1972	1972	1972	1980	1980	1980	1980	1988	1988	1988	1991	1991	1995	1995	1995	1997	1997	1997	1997	1997	1999	1999	1999	1999	1999	1999	2001	2001	2001	2001	2001	2001	2002	2002	2002	2003	2004	2004	2005	2005	2007
Lag time (y)				8	25	30	35	40	10	15	20	35	5	15	35	30	35	10	35	40	15	30	35	40	45	0	15	30	35	40	45	10	15	20	30	35	40	5	30	35	30	30	35	39	49	25
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 18	Zone 19	Zone 20	Zone 21	Zone 22	Zone 23	Zone 24	Zone 25	Zone 26	Zone 27	Zone 28	Zone 29	Zone 30	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 36	Zone 37	Zone 38	Zone 39	Zone 40	Zone 41	Zone 42	Zone 43	Zone 44
Steady state		0	7306	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1980	7306	29221	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1984	29221	30682	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1988	30682	32143	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	1990	32143	32874	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	100	100	0.1	0.1	0.1	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	100	100	0.1	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	100	100	0.1	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	100	100	100	0.1	0.1	100	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	100	100	100	0.1	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	100	100	100	100	0.1	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2013	40909	41275	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2019	43101	43466	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2019	2020	43466	43831	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2021	43831	44197	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2021	2022	44197	44562	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2023	44562	44927	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2023	2024	44927	45292	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2025	45292	45658	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2025	2026	45658	46023	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2027	46023	46388	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2027	2028	46388	46753	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2029	46753	47119	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	100	100	0.1	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2029	2030	47119	47484	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2031	47484	47849	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2031	2032	47849	48214	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	0.1	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	100	0.1	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2033	48214	48580	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	0.1	0.1	0.1	0.1	0.1	100
2033	2034	48580	48945	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	0.1	0.1	100	100	100	0.1	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	100	0.1	0.1	0.1	0.1	100
2034	2035	48945	49310	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	100	100	0.1	0.1	0.1	100
2035	2036	49310	49675	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	0.1	100	100	0.1	0.1	0.1	100
2036	2037	49675	50041	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100	100	100	100	0.1	0.1	100	100	100	100	100	0.1	100	100	0.1	100	100	0.1	0.1	0.1	100
2037	2038	50041	50406	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	0.1	0.1	100
2038	2039	50406	50771	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	0.1	0.1	100
2039	2040	50771	51136	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	100	0.1	0.1	100
2040	2041	51136	51502	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	100	0.1	0.1	100
2041	2042	51502	51867	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	0.1	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2042	2043	51867	52232	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2043	2044	52232	52597	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100	100	100	100	100	100	100	100	100	100	100	100	0.1	0.1	100
2044	2054	52597	56250	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0.1	100
2054	2114	56250	78164	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

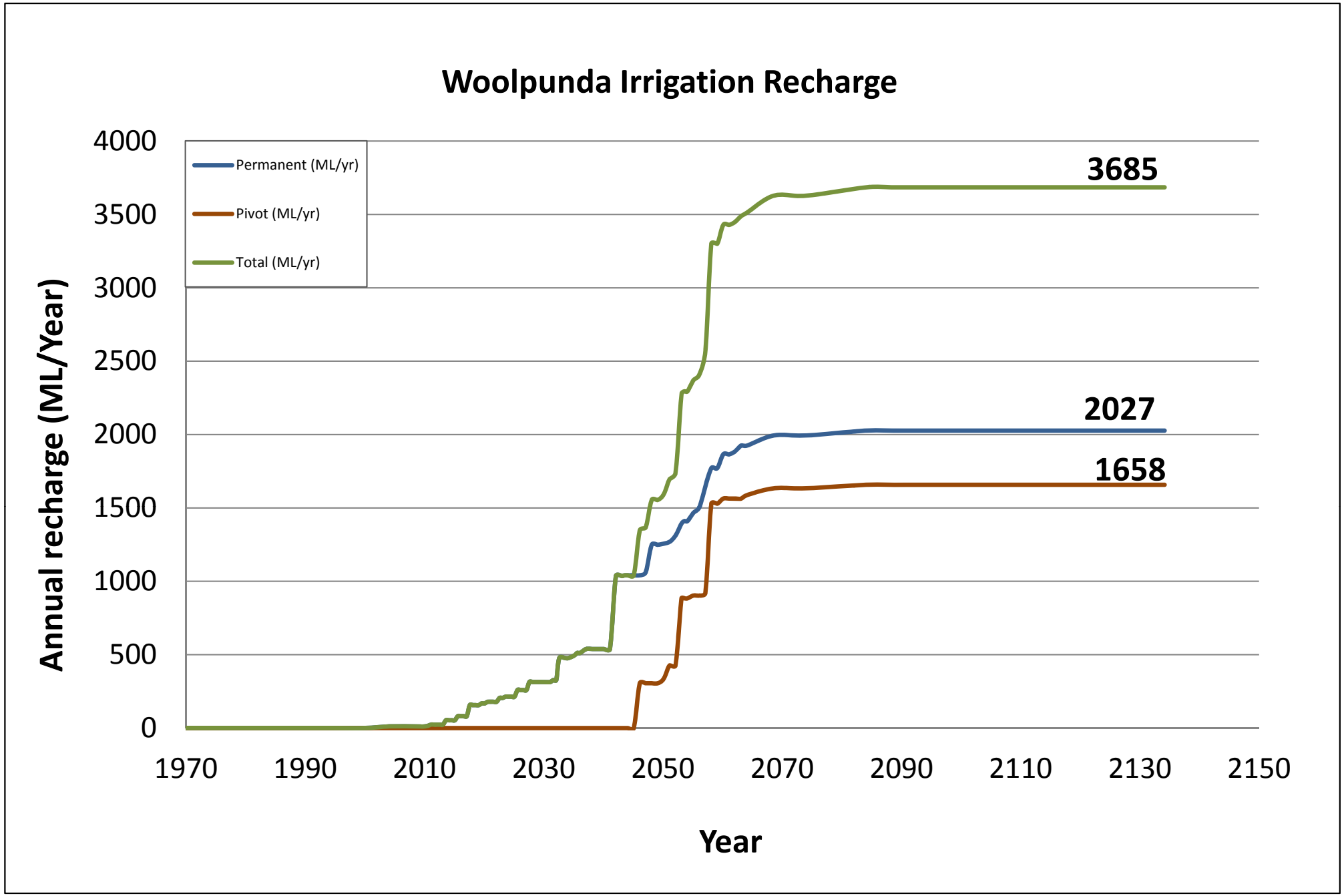
A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Permanent Irrigation in Woolpunda (S5, S8C)

Woolpunda				Post-1998 irrigation												
Irrigation start year				1995	2002	2002	2002	1995	2004	1995	1995	2004	2004	1999	1997	2001
Lag time (y)				30	30	35	35	30	25	35	35	40	35	35	35	35
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 45	Zone 46	Zone 47	Zone 48	Zone 49	Zone 50	Zone 51	Zone 52	Zone 53	Zone 54	Zone 55	Zone 56	Zone 57
Steady state		0	7306	0	0	0	0	0	0	0	0	0	0	0	0	0
1920	1980	7306	29221	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	1984	29221	30682	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	1988	30682	32143	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	1990	32143	32874	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	1991	32874	33239	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	1992	33239	33604	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	1993	33604	33970	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	1994	33970	34335	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	1995	34335	34700	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	1996	34700	35065	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	1997	35065	35431	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	1998	35431	35796	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	1999	35796	36161	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	2000	36161	36526	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	2001	36526	36892	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	2002	36892	37257	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	2003	37257	37622	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	2004	37622	37987	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	2005	37987	38353	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	2006	38353	38718	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	2007	38718	39083	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	2008	39083	39448	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	2009	39448	39814	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	2010	39814	40179	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	2011	40179	40544	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	2012	40544	40909	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	2013	40909	41275	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2014	41275	41640	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	2015	41640	42005	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	2016	42005	42370	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	2017	42370	42736	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	2018	42736	43101	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	2019	43101	43466	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	2020	43466	43831	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	2021	43831	44197	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	2022	44197	44562	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	2023	44562	44927	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	2024	44927	45292	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	2025	45292	45658	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	2026	45658	46023	60	0	0	0	60	0	0	0	0	0	0	0	0
2026	2027	46023	46388	60	0	0	0	60	0	0	0	0	0	0	0	0
2027	2028	46388	46753	60	0	0	0	60	0	0	0	0	0	0	0	0
2028	2029	46753	47119	60	0	0	0	60	0	0	0	0	0	0	0	0
2029	2030	47119	47484	60	0	0	0	60	60	0	0	0	0	0	0	0
2030	2031	47484	47849	60	0	0	0	60	60	60	60	0	0	0	0	0
2031	2032	47849	48214	60	0	0	0	60	60	60	60	0	0	0	0	0
2032	2033	48214	48580	60	60	0	0	60	60	60	60	0	0	0	60	0
2033	2034	48580	48945	60	60	0	0	60	60	60	60	0	0	0	60	0
2034	2035	48945	49310	60	60	0	0	60	60	60	60	0	0	60	60	0
2035	2036	49310	49675	60	60	0	0	60	60	60	60	0	0	60	60	0
2036	2037	49675	50041	60	60	0	0	60	60	60	60	0	0	60	60	60
2037	2038	50041	50406	60	60	60	60	60	60	60	60	0	0	60	60	60
2038	2039	50406	50771	60	60	60	60	60	60	60	60	0	0	60	60	60
2039	2040	50771	51136	60	60	60	60	60	60	60	60	0	60	60	60	60
2040	2041	51136	51502	60	60	60	60	60	60	60	60	0	60	60	60	60
2041	2042	51502	51867	60	60	60	60	60	60	60	60	0	60	60	60	60
2042	2043	51867	52232	60	60	60	60	60	60	60	60	0	60	60	60	60
2043	2044	52232	52597	60	60	60	60	60	60	60	60	0	60	60	60	60
2044	2054	52597	56250	60	60	60	60	60	60	60	60	60	60	60	60	60
2054	2114	56250	78164	60	60	60	60	60	60	60	60	60	60	60	60	60

A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Pivot Irrigation in Woolpunda (S5, S8C)

Woolpunda				Post-1998 irrigation				
Irrigation start year				2015	2015	2015	2015	2015
Lag time (y)				39	28	28	28	39
Start (y)	Stop (y)	Start (d)	Stop (d)	Zone 56	Zone 57	Zone 58	Zone 59	Zone 60
Steady state		0	7306	0.1	0.1	0.1	0.1	0.1
1920	1980	7306	29221	0.1	0.1	0.1	0.1	0.1
1980	1984	29221	30682	0.1	0.1	0.1	0.1	0.1
1984	1988	30682	32143	0.1	0.1	0.1	0.1	0.1
1988	1990	32143	32874	0.1	0.1	0.1	0.1	0.1
1990	1991	32874	33239	0.1	0.1	0.1	0.1	0.1
1991	1992	33239	33604	0.1	0.1	0.1	0.1	0.1
1992	1993	33604	33970	0.1	0.1	0.1	0.1	0.1
1993	1994	33970	34335	0.1	0.1	0.1	0.1	0.1
1994	1995	34335	34700	0.1	0.1	0.1	0.1	0.1
1995	1996	34700	35065	0.1	0.1	0.1	0.1	0.1
1996	1997	35065	35431	0.1	0.1	0.1	0.1	0.1
1997	1998	35431	35796	0.1	0.1	0.1	0.1	0.1
1998	1999	35796	36161	0.1	0.1	0.1	0.1	0.1
1999	2000	36161	36526	0.1	0.1	0.1	0.1	0.1
2000	2001	36526	36892	0.1	0.1	0.1	0.1	0.1
2001	2002	36892	37257	0.1	0.1	0.1	0.1	0.1
2002	2003	37257	37622	0.1	0.1	0.1	0.1	0.1
2003	2004	37622	37987	0.1	0.1	0.1	0.1	0.1
2004	2005	37987	38353	0.1	0.1	0.1	0.1	0.1
2005	2006	38353	38718	0.1	0.1	0.1	0.1	0.1
2006	2007	38718	39083	0.1	0.1	0.1	0.1	0.1
2007	2008	39083	39448	0.1	0.1	0.1	0.1	0.1
2008	2009	39448	39814	0.1	0.1	0.1	0.1	0.1
2009	2010	39814	40179	0.1	0.1	0.1	0.1	0.1
2010	2011	40179	40544	0.1	0.1	0.1	0.1	0.1
2011	2012	40544	40909	0.1	0.1	0.1	0.1	0.1
2012	2013	40909	41275	0.1	0.1	0.1	0.1	0.1
2013	2014	41275	41640	0.1	0.1	0.1	0.1	0.1
2014	2015	41640	42005	0.1	0.1	0.1	0.1	0.1
2015	2016	42005	42370	0.1	0.1	0.1	0.1	0.1
2016	2017	42370	42736	0.1	0.1	0.1	0.1	0.1
2017	2018	42736	43101	0.1	0.1	0.1	0.1	0.1
2018	2019	43101	43466	0.1	0.1	0.1	0.1	0.1
2019	2020	43466	43831	0.1	0.1	0.1	0.1	0.1
2020	2021	43831	44197	0.1	0.1	0.1	0.1	0.1
2021	2022	44197	44562	0.1	0.1	0.1	0.1	0.1
2022	2023	44562	44927	0.1	0.1	0.1	0.1	0.1
2023	2024	44927	45292	0.1	0.1	0.1	0.1	0.1
2024	2025	45292	45658	0.1	0.1	0.1	0.1	0.1
2025	2026	45658	46023	0.1	0.1	0.1	0.1	0.1
2026	2027	46023	46388	0.1	0.1	0.1	0.1	0.1
2027	2028	46388	46753	0.1	0.1	0.1	0.1	0.1
2028	2029	46753	47119	0.1	0.1	0.1	0.1	0.1
2029	2030	47119	47484	0.1	0.1	0.1	0.1	0.1
2030	2031	47484	47849	0.1	0.1	0.1	0.1	0.1
2031	2032	47849	48214	0.1	0.1	0.1	0.1	0.1
2032	2033	48214	48580	0.1	0.1	0.1	0.1	0.1
2033	2034	48580	48945	0.1	0.1	0.1	0.1	0.1
2034	2035	48945	49310	0.1	0.1	0.1	0.1	0.1
2035	2036	49310	49675	0.1	0.1	0.1	0.1	0.1
2036	2037	49675	50041	0.1	0.1	0.1	0.1	0.1
2037	2038	50041	50406	0.1	0.1	0.1	0.1	0.1
2038	2039	50406	50771	0.1	0.1	0.1	0.1	0.1
2039	2040	50771	51136	0.1	0.1	0.1	0.1	0.1
2040	2041	51136	51502	0.1	0.1	0.1	0.1	0.1
2041	2042	51502	51867	0.1	0.1	0.1	0.1	0.1
2042	2043	51867	52232	0.1	0.1	0.1	0.1	0.1
2043	2044	52232	52597	0.1	100	100	100	0.1
2044	2054	52597	56250	0.1	100	100	100	0.1
2054	2114	56250	78164	100	100	100	100	100

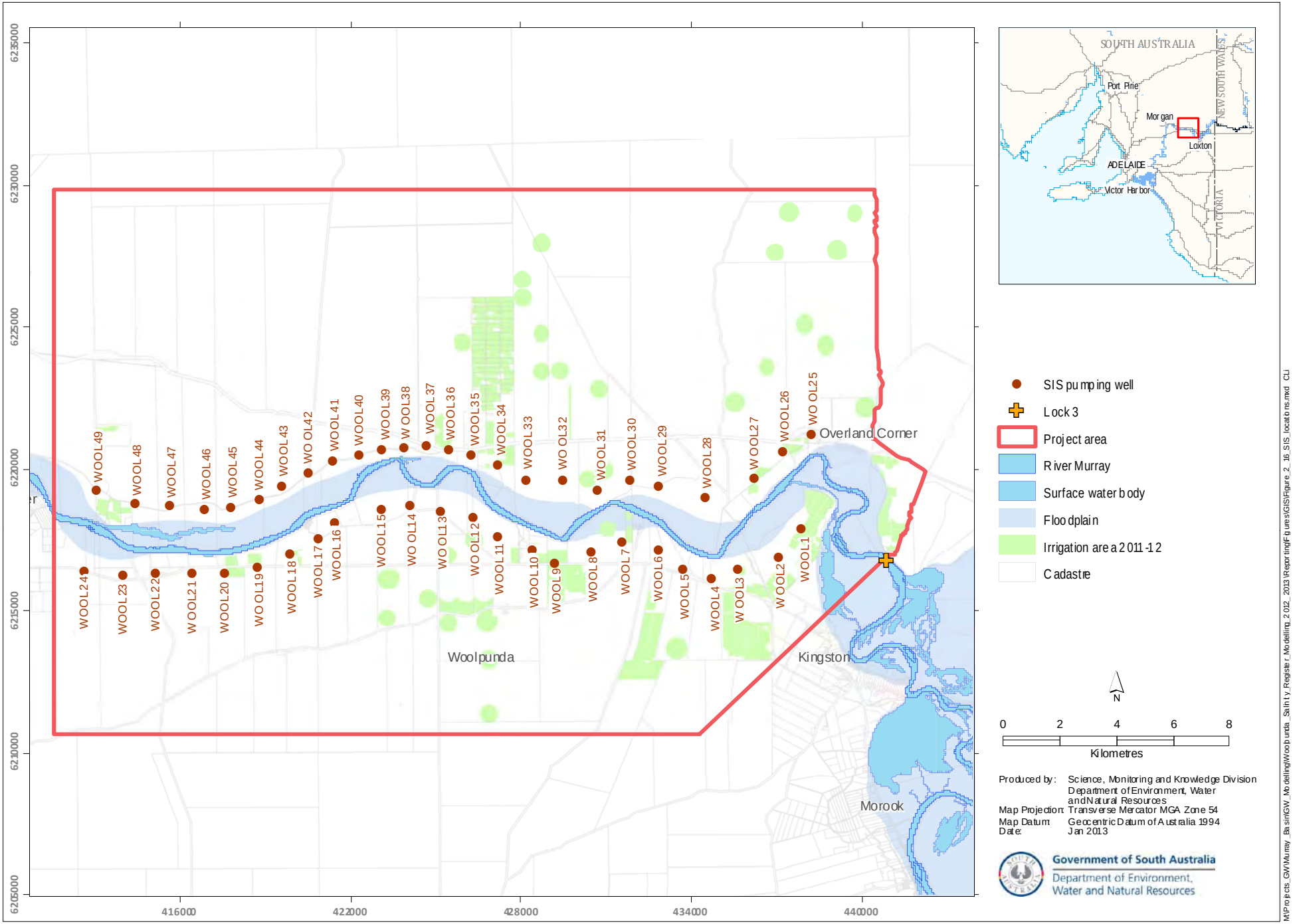
A-2. Model Recharge Zones, Irrigation Start Time, Lag Time (y) and Recharge Rates (mm/y) for Future Permanent Irrigation in Woolpunda (S5, S8C)



A-2. Permanent, Pivot and Total Recharge Volume Applied in Woolpunda (S5, S8C)

A-3 HISTORICAL MODEL INPUT – PUMPING RATES FOR WOOLPUNDA SIS

- Location of pumping wells
- Model pumping rates



A-3. SIS Pumping Well Location

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL1	437921	6217927	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL1	437921	6217927	33604	33786	1/01/1992	1/07/1992	-264.8	-3.1
WOOL1	437921	6217927	33786	33970	1/07/1992	1/01/1993	-264.8	-3.1
WOOL1	437921	6217927	33970	34151	1/01/1993	1/07/1993	-276.5	-3.2
WOOL1	437921	6217927	34151	34335	1/07/1993	1/01/1994	-243.8	-2.8
WOOL1	437921	6217927	34335	34516	1/01/1994	1/07/1994	-243.8	-2.8
WOOL1	437921	6217927	34516	34700	1/07/1994	1/01/1995	-243.8	-2.8
WOOL1	437921	6217927	34700	34881	1/01/1995	1/07/1995	-244.9	-2.8
WOOL1	437921	6217927	34881	35065	1/07/1995	1/01/1996	-244.9	-2.8
WOOL1	437921	6217927	35065	35247	1/01/1996	1/07/1996	-221.5	-2.6
WOOL1	437921	6217927	35247	35431	1/07/1996	1/01/1997	-221.5	-2.6
WOOL1	437921	6217927	35431	35612	1/01/1997	1/07/1997	-202.7	-2.3
WOOL1	437921	6217927	35612	35796	1/07/1997	1/01/1998	-202.7	-2.3
WOOL1	437921	6217927	35796	35977	1/01/1998	1/07/1998	-157.4	-1.8
WOOL1	437921	6217927	35977	36161	1/07/1998	1/01/1999	-157.4	-1.8
WOOL1	437921	6217927	36161	36342	1/01/1999	1/07/1999	-154.5	-1.8
WOOL1	437921	6217927	36342	36526	1/07/1999	1/01/2000	-154.5	-1.8
WOOL1	437921	6217927	36526	36708	1/01/2000	1/07/2000	-163.6	-1.9
WOOL1	437921	6217927	36708	36892	1/07/2000	1/01/2001	-163.6	-1.9
WOOL1	437921	6217927	36892	37073	1/01/2001	1/07/2001	-111.7	-1.3
WOOL1	437921	6217927	37073	37257	1/07/2001	1/01/2002	-111.7	-1.3
WOOL1	437921	6217927	37257	37438	1/01/2002	1/07/2002	-112.2	-1.3
WOOL1	437921	6217927	37438	37622	1/07/2002	1/01/2003	-112.2	-1.3
WOOL1	437921	6217927	37622	37803	1/01/2003	1/07/2003	-135.6	-1.6
WOOL1	437921	6217927	37803	37987	1/07/2003	1/01/2004	-105.0	-1.2
WOOL1	437921	6217927	37987	38169	1/01/2004	1/07/2004	-106.1	-1.2
WOOL1	437921	6217927	38169	38353	1/07/2004	1/01/2005	-127.3	-1.5
WOOL1	437921	6217927	38353	38534	1/01/2005	1/07/2005	-194.3	-2.2
WOOL1	437921	6217927	38534	38718	1/07/2005	1/01/2006	-131.0	-1.5
WOOL1	437921	6217927	38718	38899	1/01/2006	1/07/2006	-92.4	-1.1
WOOL1	437921	6217927	38899	39083	1/07/2006	1/01/2007	-58.2	-0.7
WOOL1	437921	6217927	39083	39264	1/01/2007	1/07/2007	-178.2	-2.1
WOOL1	437921	6217927	39264	39448	1/07/2007	1/01/2008	-158.7	-1.8
WOOL1	437921	6217927	39448	39630	1/01/2008	1/07/2008	-187.9	-2.2
WOOL1	437921	6217927	39630	39814	1/07/2008	1/01/2009	-155.9	-1.8
WOOL1	437921	6217927	39814	39995	1/01/2009	1/07/2009	-197.2	-2.3
WOOL1	437921	6217927	39995	40179	1/07/2009	1/01/2010	-182.5	-2.1
WOOL1	437921	6217927	40179	40360	1/01/2010	1/07/2010	-225.4	-2.6
WOOL1	437921	6217927	40360	40544	1/07/2010	1/01/2011	-128.4	-1.5
WOOL1	437921	6217927	40544	40725	1/01/2011	1/07/2011	-22.6	-0.3
WOOL1	437921	6217927	40725	40909	1/07/2011	1/01/2012	-159.9	-1.9
WOOL1	437921	6217927	40909	41091	1/01/2012	1/07/2012	-318.5	-3.7
WOOL1	437921	6217927	41091	78164	1/07/2012	1/01/2114	-198.7	-2.3
WOOL2	437071	6216927	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL2	437071	6216927	33604	33786	1/01/1992	1/07/1992	-281.7	-3.3
WOOL2	437071	6216927	33786	33970	1/07/1992	1/01/1993	-248.4	-2.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL2	437071	6216927	33970	34151	1/01/1993	1/07/1993	-227.5	-2.6
WOOL2	437071	6216927	34151	34335	1/07/1993	1/01/1994	-227.5	-2.6
WOOL2	437071	6216927	34335	34516	1/01/1994	1/07/1994	-277.7	-3.2
WOOL2	437071	6216927	34516	34700	1/07/1994	1/01/1995	-277.7	-3.2
WOOL2	437071	6216927	34700	34881	1/01/1995	1/07/1995	-263.8	-3.1
WOOL2	437071	6216927	34881	35065	1/07/1995	1/01/1996	-263.8	-3.1
WOOL2	437071	6216927	35065	35247	1/01/1996	1/07/1996	-273.5	-3.2
WOOL2	437071	6216927	35247	35431	1/07/1996	1/01/1997	-273.5	-3.2
WOOL2	437071	6216927	35431	35612	1/01/1997	1/07/1997	-229.3	-2.7
WOOL2	437071	6216927	35612	35796	1/07/1997	1/01/1998	-229.3	-2.7
WOOL2	437071	6216927	35796	35977	1/01/1998	1/07/1998	-161.1	-1.9
WOOL2	437071	6216927	35977	36161	1/07/1998	1/01/1999	-161.1	-1.9
WOOL2	437071	6216927	36161	36342	1/01/1999	1/07/1999	-179.9	-2.1
WOOL2	437071	6216927	36342	36526	1/07/1999	1/01/2000	-179.9	-2.1
WOOL2	437071	6216927	36526	36708	1/01/2000	1/07/2000	-258.8	-3.0
WOOL2	437071	6216927	36708	36892	1/07/2000	1/01/2001	-258.8	-3.0
WOOL2	437071	6216927	36892	37073	1/01/2001	1/07/2001	-120.1	-1.4
WOOL2	437071	6216927	37073	37257	1/07/2001	1/01/2002	-120.1	-1.4
WOOL2	437071	6216927	37257	37438	1/01/2002	1/07/2002	-121.0	-1.4
WOOL2	437071	6216927	37438	37622	1/07/2002	1/01/2003	-121.0	-1.4
WOOL2	437071	6216927	37622	37803	1/01/2003	1/07/2003	-129.6	-1.5
WOOL2	437071	6216927	37803	37987	1/07/2003	1/01/2004	-176.3	-2.0
WOOL2	437071	6216927	37987	38169	1/01/2004	1/07/2004	-104.9	-1.2
WOOL2	437071	6216927	38169	38353	1/07/2004	1/01/2005	-138.1	-1.6
WOOL2	437071	6216927	38353	38534	1/01/2005	1/07/2005	-81.2	-0.9
WOOL2	437071	6216927	38534	38718	1/07/2005	1/01/2006	-171.9	-2.0
WOOL2	437071	6216927	38718	38899	1/01/2006	1/07/2006	-199.8	-2.3
WOOL2	437071	6216927	38899	39083	1/07/2006	1/01/2007	-158.6	-1.8
WOOL2	437071	6216927	39083	39264	1/01/2007	1/07/2007	-133.4	-1.5
WOOL2	437071	6216927	39264	39448	1/07/2007	1/01/2008	-124.4	-1.4
WOOL2	437071	6216927	39448	39630	1/01/2008	1/07/2008	-177.3	-2.1
WOOL2	437071	6216927	39630	39814	1/07/2008	1/01/2009	-222.3	-2.6
WOOL2	437071	6216927	39814	39995	1/01/2009	1/07/2009	-214.7	-2.5
WOOL2	437071	6216927	39995	40179	1/07/2009	1/01/2010	-190.9	-2.2
WOOL2	437071	6216927	40179	40360	1/01/2010	1/07/2010	-24.4	-0.3
WOOL2	437071	6216927	40360	40544	1/07/2010	1/01/2011	-7.2	-0.1
WOOL2	437071	6216927	40544	40725	1/01/2011	1/07/2011	-0.4	0.0
WOOL2	437071	6216927	40725	40909	1/07/2011	1/01/2012	-241.2	-2.8
WOOL2	437071	6216927	40909	78164	1/01/2012	1/01/2114	-158.7	-1.8
WOOL3	435671	6216477	Steady state	33970	-	1/01/1993	0.0	0.0
WOOL3	435671	6216477	33970	34151	1/01/1993	1/07/1993	-279.2	-3.2
WOOL3	435671	6216477	34151	34335	1/07/1993	1/01/1994	-279.2	-3.2
WOOL3	435671	6216477	34335	34516	1/01/1994	1/07/1994	-298.0	-3.4
WOOL3	435671	6216477	34516	34700	1/07/1994	1/01/1995	-298.0	-3.4
WOOL3	435671	6216477	34700	34881	1/01/1995	1/07/1995	-269.8	-3.1
WOOL3	435671	6216477	34881	35065	1/07/1995	1/01/1996	-269.8	-3.1

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL3	435671	6216477	35065	35247	1/01/1996	1/07/1996	-283.9	-3.3
WOOL3	435671	6216477	35247	35431	1/07/1996	1/01/1997	-283.9	-3.3
WOOL3	435671	6216477	35431	35612	1/01/1997	1/07/1997	-288.8	-3.3
WOOL3	435671	6216477	35612	35796	1/07/1997	1/01/1998	-288.8	-3.3
WOOL3	435671	6216477	35796	35977	1/01/1998	1/07/1998	-228.1	-2.6
WOOL3	435671	6216477	35977	36161	1/07/1998	1/01/1999	-228.1	-2.6
WOOL3	435671	6216477	36161	36342	1/01/1999	1/07/1999	-197.6	-2.3
WOOL3	435671	6216477	36342	36526	1/07/1999	1/01/2000	-197.6	-2.3
WOOL3	435671	6216477	36526	36708	1/01/2000	1/07/2000	-227.8	-2.6
WOOL3	435671	6216477	36708	36892	1/07/2000	1/01/2001	-227.8	-2.6
WOOL3	435671	6216477	36892	37073	1/01/2001	1/07/2001	-150.1	-1.7
WOOL3	435671	6216477	37073	37257	1/07/2001	1/01/2002	-150.1	-1.7
WOOL3	435671	6216477	37257	37438	1/01/2002	1/07/2002	-109.8	-1.3
WOOL3	435671	6216477	37438	37622	1/07/2002	1/01/2003	-109.8	-1.3
WOOL3	435671	6216477	37622	37803	1/01/2003	1/07/2003	-144.8	-1.7
WOOL3	435671	6216477	37803	37987	1/07/2003	1/01/2004	-210.9	-2.4
WOOL3	435671	6216477	37987	38169	1/01/2004	1/07/2004	-141.6	-1.6
WOOL3	435671	6216477	38169	38353	1/07/2004	1/01/2005	-135.1	-1.6
WOOL3	435671	6216477	38353	38534	1/01/2005	1/07/2005	-200.9	-2.3
WOOL3	435671	6216477	38534	38718	1/07/2005	1/01/2006	-121.1	-1.4
WOOL3	435671	6216477	38718	38899	1/01/2006	1/07/2006	-64.8	-0.7
WOOL3	435671	6216477	38899	39083	1/07/2006	1/01/2007	-93.1	-1.1
WOOL3	435671	6216477	39083	39264	1/01/2007	1/07/2007	-101.9	-1.2
WOOL3	435671	6216477	39264	39448	1/07/2007	1/01/2008	-124.8	-1.4
WOOL3	435671	6216477	39448	39630	1/01/2008	1/07/2008	-163.2	-1.9
WOOL3	435671	6216477	39630	39814	1/07/2008	1/01/2009	-185.2	-2.1
WOOL3	435671	6216477	39814	39995	1/01/2009	1/07/2009	-165.7	-1.9
WOOL3	435671	6216477	39995	40179	1/07/2009	1/01/2010	-149.3	-1.7
WOOL3	435671	6216477	40179	40360	1/01/2010	1/07/2010	-194.1	-2.2
WOOL3	435671	6216477	40360	40544	1/07/2010	1/01/2011	-160.6	-1.9
WOOL3	435671	6216477	40544	40725	1/01/2011	1/07/2011	-23.6	-0.3
WOOL3	435671	6216477	40725	40909	1/07/2011	1/01/2012	-365.6	-4.2
WOOL3	435671	6216477	40909	78164	1/01/2012	1/01/2114	-172.8	-2.0
WOOL4	434741	6216177	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL4	434741	6216177	33604	33786	1/01/1992	1/07/1992	-380.1	-4.4
WOOL4	434741	6216177	33786	33970	1/07/1992	1/01/1993	-380.1	-4.4
WOOL4	434741	6216177	33970	34151	1/01/1993	1/07/1993	-303.1	-3.5
WOOL4	434741	6216177	34151	34335	1/07/1993	1/01/1994	-303.1	-3.5
WOOL4	434741	6216177	34335	34516	1/01/1994	1/07/1994	-337.7	-3.9
WOOL4	434741	6216177	34516	34700	1/07/1994	1/01/1995	-337.7	-3.9
WOOL4	434741	6216177	34700	34881	1/01/1995	1/07/1995	-429.2	-5.0
WOOL4	434741	6216177	34881	35065	1/07/1995	1/01/1996	-429.2	-5.0
WOOL4	434741	6216177	35065	35247	1/01/1996	1/07/1996	-384.9	-4.5
WOOL4	434741	6216177	35247	35431	1/07/1996	1/01/1997	-384.9	-4.5
WOOL4	434741	6216177	35431	35612	1/01/1997	1/07/1997	-341.7	-4.0
WOOL4	434741	6216177	35612	35796	1/07/1997	1/01/1998	-341.7	-4.0

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL4	434741	6216177	35796	35977	1/01/1998	1/07/1998	-274.8	-3.2
WOOL4	434741	6216177	35977	36161	1/07/1998	1/01/1999	-274.8	-3.2
WOOL4	434741	6216177	36161	36342	1/01/1999	1/07/1999	-346.4	-4.0
WOOL4	434741	6216177	36342	36526	1/07/1999	1/01/2000	-346.4	-4.0
WOOL4	434741	6216177	36526	36708	1/01/2000	1/07/2000	-323.1	-3.7
WOOL4	434741	6216177	36708	36892	1/07/2000	1/01/2001	-323.1	-3.7
WOOL4	434741	6216177	36892	37073	1/01/2001	1/07/2001	-153.1	-1.8
WOOL4	434741	6216177	37073	37257	1/07/2001	1/01/2002	-153.1	-1.8
WOOL4	434741	6216177	37257	37438	1/01/2002	1/07/2002	-166.8	-1.9
WOOL4	434741	6216177	37438	37622	1/07/2002	1/01/2003	-166.8	-1.9
WOOL4	434741	6216177	37622	37803	1/01/2003	1/07/2003	-194.8	-2.3
WOOL4	434741	6216177	37803	37987	1/07/2003	1/01/2004	-168.2	-1.9
WOOL4	434741	6216177	37987	38169	1/01/2004	1/07/2004	-174.1	-2.0
WOOL4	434741	6216177	38169	38353	1/07/2004	1/01/2005	-181.4	-2.1
WOOL4	434741	6216177	38353	38534	1/01/2005	1/07/2005	-305.7	-3.5
WOOL4	434741	6216177	38534	38718	1/07/2005	1/01/2006	-191.4	-2.2
WOOL4	434741	6216177	38718	38899	1/01/2006	1/07/2006	0.0	0.0
WOOL4	434741	6216177	38899	39083	1/07/2006	1/01/2007	-150.6	-1.7
WOOL4	434741	6216177	39083	39264	1/01/2007	1/07/2007	-220.5	-2.6
WOOL4	434741	6216177	39264	39448	1/07/2007	1/01/2008	-201.4	-2.3
WOOL4	434741	6216177	39448	39630	1/01/2008	1/07/2008	-242.3	-2.8
WOOL4	434741	6216177	39630	39814	1/07/2008	1/01/2009	-91.7	-1.1
WOOL4	434741	6216177	39814	39995	1/01/2009	1/07/2009	-248.0	-2.9
WOOL4	434741	6216177	39995	40179	1/07/2009	1/01/2010	-191.3	-2.2
WOOL4	434741	6216177	40179	40360	1/01/2010	1/07/2010	-214.4	-2.5
WOOL4	434741	6216177	40360	40544	1/07/2010	1/01/2011	-181.1	-2.1
WOOL4	434741	6216177	40544	40725	1/01/2011	1/07/2011	-8.7	-0.1
WOOL4	434741	6216177	40725	40909	1/07/2011	1/01/2012	-104.5	-1.2
WOOL4	434741	6216177	40909	78164	1/01/2012	1/01/2114	-206.5	-2.4
WOOL5	433751	6216537	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL5	433751	6216537	33604	33786	1/01/1992	1/07/1992	-388.4	-4.5
WOOL5	433751	6216537	33786	33970	1/07/1992	1/01/1993	-302.5	-3.5
WOOL5	433751	6216537	33970	34151	1/01/1993	1/07/1993	-264.1	-3.1
WOOL5	433751	6216537	34151	34335	1/07/1993	1/01/1994	-264.1	-3.1
WOOL5	433751	6216537	34335	34516	1/01/1994	1/07/1994	-249.7	-2.9
WOOL5	433751	6216537	34516	34700	1/07/1994	1/01/1995	-249.7	-2.9
WOOL5	433751	6216537	34700	34881	1/01/1995	1/07/1995	-242.8	-2.8
WOOL5	433751	6216537	34881	35065	1/07/1995	1/01/1996	-242.8	-2.8
WOOL5	433751	6216537	35065	35247	1/01/1996	1/07/1996	-427.1	-4.9
WOOL5	433751	6216537	35247	35431	1/07/1996	1/01/1997	-427.1	-4.9
WOOL5	433751	6216537	35431	35612	1/01/1997	1/07/1997	-438.6	-5.1
WOOL5	433751	6216537	35612	35796	1/07/1997	1/01/1998	-438.6	-5.1
WOOL5	433751	6216537	35796	35977	1/01/1998	1/07/1998	-314.4	-3.6
WOOL5	433751	6216537	35977	36161	1/07/1998	1/01/1999	-314.4	-3.6
WOOL5	433751	6216537	36161	36342	1/01/1999	1/07/1999	-256.6	-3.0
WOOL5	433751	6216537	36342	36526	1/07/1999	1/01/2000	-256.6	-3.0

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL5	433751	6216537	36526	36708	1/01/2000	1/07/2000	-335.2	-3.9
WOOL5	433751	6216537	36708	36892	1/07/2000	1/01/2001	-335.2	-3.9
WOOL5	433751	6216537	36892	37073	1/01/2001	1/07/2001	-192.0	-2.2
WOOL5	433751	6216537	37073	37257	1/07/2001	1/01/2002	-192.0	-2.2
WOOL5	433751	6216537	37257	37438	1/01/2002	1/07/2002	-150.1	-1.7
WOOL5	433751	6216537	37438	37622	1/07/2002	1/01/2003	-150.1	-1.7
WOOL5	433751	6216537	37622	37803	1/01/2003	1/07/2003	-178.8	-2.1
WOOL5	433751	6216537	37803	37987	1/07/2003	1/01/2004	-188.3	-2.2
WOOL5	433751	6216537	37987	38169	1/01/2004	1/07/2004	-123.4	-1.4
WOOL5	433751	6216537	38169	38353	1/07/2004	1/01/2005	-187.9	-2.2
WOOL5	433751	6216537	38353	38534	1/01/2005	1/07/2005	-294.4	-3.4
WOOL5	433751	6216537	38534	38718	1/07/2005	1/01/2006	-201.6	-2.3
WOOL5	433751	6216537	38718	38899	1/01/2006	1/07/2006	-55.6	-0.6
WOOL5	433751	6216537	38899	39083	1/07/2006	1/01/2007	-164.1	-1.9
WOOL5	433751	6216537	39083	39264	1/01/2007	1/07/2007	-214.4	-2.5
WOOL5	433751	6216537	39264	39448	1/07/2007	1/01/2008	-155.2	-1.8
WOOL5	433751	6216537	39448	39630	1/01/2008	1/07/2008	-226.4	-2.6
WOOL5	433751	6216537	39630	39814	1/07/2008	1/01/2009	-286.1	-3.3
WOOL5	433751	6216537	39814	39995	1/01/2009	1/07/2009	-227.9	-2.6
WOOL5	433751	6216537	39995	40179	1/07/2009	1/01/2010	-265.0	-3.1
WOOL5	433751	6216537	40179	40360	1/01/2010	1/07/2010	-179.6	-2.1
WOOL5	433751	6216537	40360	40544	1/07/2010	1/01/2011	-235.8	-2.7
WOOL5	433751	6216537	40544	40725	1/01/2011	1/07/2011	-32.0	-0.4
WOOL5	433751	6216537	40725	40909	1/07/2011	1/01/2012	-318.0	-3.7
WOOL5	433751	6216537	40909	78164	1/01/2012	1/01/2114	-224.6	-2.6
WOOL6	432861	6217227	Steady state	33970	-	1/01/1993	0.0	0.0
WOOL6	432861	6217227	33970	34151	1/01/1993	1/07/1993	-298.2	-3.5
WOOL6	432861	6217227	34151	34335	1/07/1993	1/01/1994	-298.2	-3.5
WOOL6	432861	6217227	34335	34516	1/01/1994	1/07/1994	-252.1	-2.9
WOOL6	432861	6217227	34516	34700	1/07/1994	1/01/1995	-252.1	-2.9
WOOL6	432861	6217227	34700	34881	1/01/1995	1/07/1995	-134.3	-1.6
WOOL6	432861	6217227	34881	35065	1/07/1995	1/01/1996	-134.3	-1.6
WOOL6	432861	6217227	35065	35247	1/01/1996	1/07/1996	-240.9	-2.8
WOOL6	432861	6217227	35247	35431	1/07/1996	1/01/1997	-240.9	-2.8
WOOL6	432861	6217227	35431	35612	1/01/1997	1/07/1997	-298.9	-3.5
WOOL6	432861	6217227	35612	35796	1/07/1997	1/01/1998	-298.9	-3.5
WOOL6	432861	6217227	35796	35977	1/01/1998	1/07/1998	-262.2	-3.0
WOOL6	432861	6217227	35977	36161	1/07/1998	1/01/1999	-262.2	-3.0
WOOL6	432861	6217227	36161	36342	1/01/1999	1/07/1999	-298.7	-3.5
WOOL6	432861	6217227	36342	36526	1/07/1999	1/01/2000	-298.7	-3.5
WOOL6	432861	6217227	36526	36708	1/01/2000	1/07/2000	-252.1	-2.9
WOOL6	432861	6217227	36708	36892	1/07/2000	1/01/2001	-252.1	-2.9
WOOL6	432861	6217227	36892	37073	1/01/2001	1/07/2001	-173.5	-2.0
WOOL6	432861	6217227	37073	37257	1/07/2001	1/01/2002	-173.5	-2.0
WOOL6	432861	6217227	37257	37438	1/01/2002	1/07/2002	-96.8	-1.1
WOOL6	432861	6217227	37438	37622	1/07/2002	1/01/2003	-96.8	-1.1

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL6	432861	6217227	37622	37803	1/01/2003	1/07/2003	-135.9	-1.6
WOOL6	432861	6217227	37803	37987	1/07/2003	1/01/2004	-133.2	-1.5
WOOL6	432861	6217227	37987	38169	1/01/2004	1/07/2004	-130.2	-1.5
WOOL6	432861	6217227	38169	38353	1/07/2004	1/01/2005	-122.8	-1.4
WOOL6	432861	6217227	38353	38534	1/01/2005	1/07/2005	-105.0	-1.2
WOOL6	432861	6217227	38534	38718	1/07/2005	1/01/2006	-92.4	-1.1
WOOL6	432861	6217227	38718	38899	1/01/2006	1/07/2006	-157.4	-1.8
WOOL6	432861	6217227	38899	39083	1/07/2006	1/01/2007	-130.6	-1.5
WOOL6	432861	6217227	39083	39264	1/01/2007	1/07/2007	-141.3	-1.6
WOOL6	432861	6217227	39264	39448	1/07/2007	1/01/2008	-136.5	-1.6
WOOL6	432861	6217227	39448	39630	1/01/2008	1/07/2008	-197.3	-2.3
WOOL6	432861	6217227	39630	39814	1/07/2008	1/01/2009	-208.5	-2.4
WOOL6	432861	6217227	39814	39995	1/01/2009	1/07/2009	-189.7	-2.2
WOOL6	432861	6217227	39995	40179	1/07/2009	1/01/2010	-217.1	-2.5
WOOL6	432861	6217227	40179	40360	1/01/2010	1/07/2010	-243.0	-2.8
WOOL6	432861	6217227	40360	40544	1/07/2010	1/01/2011	-186.2	-2.2
WOOL6	432861	6217227	40544	40725	1/01/2011	1/07/2011	-21.6	-0.3
WOOL6	432861	6217227	40725	40909	1/07/2011	1/01/2012	-337.0	-3.9
WOOL6	432861	6217227	40909	78164	1/01/2012	1/01/2114	-172.8	-2.0
WOOL7	431611	6217437	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL7	431611	6217437	33239	33420	1/01/1991	1/07/1991	-366.3	-4.2
WOOL7	431611	6217437	33420	33604	1/07/1991	1/01/1992	-357.8	-4.1
WOOL7	431611	6217437	33604	33786	1/01/1992	1/07/1992	-321.2	-3.7
WOOL7	431611	6217437	33786	33970	1/07/1992	1/01/1993	-283.6	-3.3
WOOL7	431611	6217437	33970	34151	1/01/1993	1/07/1993	-306.6	-3.5
WOOL7	431611	6217437	34151	34335	1/07/1993	1/01/1994	-306.6	-3.5
WOOL7	431611	6217437	34335	34516	1/01/1994	1/07/1994	-296.5	-3.4
WOOL7	431611	6217437	34516	34700	1/07/1994	1/01/1995	-296.5	-3.4
WOOL7	431611	6217437	34700	34881	1/01/1995	1/07/1995	-306.5	-3.5
WOOL7	431611	6217437	34881	35065	1/07/1995	1/01/1996	-306.5	-3.5
WOOL7	431611	6217437	35065	35247	1/01/1996	1/07/1996	-283.8	-3.3
WOOL7	431611	6217437	35247	35431	1/07/1996	1/01/1997	-283.8	-3.3
WOOL7	431611	6217437	35431	35612	1/01/1997	1/07/1997	-267.5	-3.1
WOOL7	431611	6217437	35612	35796	1/07/1997	1/01/1998	-267.5	-3.1
WOOL7	431611	6217437	35796	35977	1/01/1998	1/07/1998	-237.7	-2.8
WOOL7	431611	6217437	35977	36161	1/07/1998	1/01/1999	-237.7	-2.8
WOOL7	431611	6217437	36161	36342	1/01/1999	1/07/1999	-218.3	-2.5
WOOL7	431611	6217437	36342	36526	1/07/1999	1/01/2000	-218.3	-2.5
WOOL7	431611	6217437	36526	36708	1/01/2000	1/07/2000	-265.4	-3.1
WOOL7	431611	6217437	36708	36892	1/07/2000	1/01/2001	-265.4	-3.1
WOOL7	431611	6217437	36892	37073	1/01/2001	1/07/2001	-143.2	-1.7
WOOL7	431611	6217437	37073	37257	1/07/2001	1/01/2002	-143.2	-1.7
WOOL7	431611	6217437	37257	37438	1/01/2002	1/07/2002	-143.9	-1.7
WOOL7	431611	6217437	37438	37622	1/07/2002	1/01/2003	-143.9	-1.7
WOOL7	431611	6217437	37622	37803	1/01/2003	1/07/2003	-175.1	-2.0
WOOL7	431611	6217437	37803	37987	1/07/2003	1/01/2004	-148.6	-1.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL7	431611	6217437	37987	38169	1/01/2004	1/07/2004	-181.5	-2.1
WOOL7	431611	6217437	38169	38353	1/07/2004	1/01/2005	-170.9	-2.0
WOOL7	431611	6217437	38353	38534	1/01/2005	1/07/2005	-256.2	-3.0
WOOL7	431611	6217437	38534	38718	1/07/2005	1/01/2006	-157.3	-1.8
WOOL7	431611	6217437	38718	38899	1/01/2006	1/07/2006	-113.0	-1.3
WOOL7	431611	6217437	38899	39083	1/07/2006	1/01/2007	-53.2	-0.6
WOOL7	431611	6217437	39083	39264	1/01/2007	1/07/2007	-214.3	-2.5
WOOL7	431611	6217437	39264	39448	1/07/2007	1/01/2008	-138.7	-1.6
WOOL7	431611	6217437	39448	39630	1/01/2008	1/07/2008	-172.6	-2.0
WOOL7	431611	6217437	39630	39814	1/07/2008	1/01/2009	-115.6	-1.3
WOOL7	431611	6217437	39814	39995	1/01/2009	1/07/2009	-105.6	-1.2
WOOL7	431611	6217437	39995	40179	1/07/2009	1/01/2010	-86.1	-1.0
WOOL7	431611	6217437	40179	40360	1/01/2010	1/07/2010	-226.0	-2.6
WOOL7	431611	6217437	40360	40544	1/07/2010	1/01/2011	-174.1	-2.0
WOOL7	431611	6217437	40544	40725	1/01/2011	1/07/2011	-24.2	-0.3
WOOL7	431611	6217437	40725	40909	1/07/2011	1/01/2012	-149.1	-1.7
WOOL7	431611	6217437	40909	78164	1/01/2012	1/01/2114	-181.4	-2.1
WOOL8	430511	6217147	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL8	430511	6217147	33239	33420	1/01/1991	1/07/1991	-356.1	-4.1
WOOL8	430511	6217147	33420	33604	1/07/1991	1/01/1992	-331.0	-3.8
WOOL8	430511	6217147	33604	33786	1/01/1992	1/07/1992	-301.7	-3.5
WOOL8	430511	6217147	33786	33970	1/07/1992	1/01/1993	-215.9	-2.5
WOOL8	430511	6217147	33970	34151	1/01/1993	1/07/1993	-215.9	-2.5
WOOL8	430511	6217147	34151	34335	1/07/1993	1/01/1994	-215.9	-2.5
WOOL8	430511	6217147	34335	34516	1/01/1994	1/07/1994	-429.1	-5.0
WOOL8	430511	6217147	34516	34700	1/07/1994	1/01/1995	-429.1	-5.0
WOOL8	430511	6217147	34700	34881	1/01/1995	1/07/1995	-273.9	-3.2
WOOL8	430511	6217147	34881	35065	1/07/1995	1/01/1996	-273.9	-3.2
WOOL8	430511	6217147	35065	35247	1/01/1996	1/07/1996	-376.5	-4.4
WOOL8	430511	6217147	35247	35431	1/07/1996	1/01/1997	-376.5	-4.4
WOOL8	430511	6217147	35431	35612	1/01/1997	1/07/1997	-346.0	-4.0
WOOL8	430511	6217147	35612	35796	1/07/1997	1/01/1998	-346.0	-4.0
WOOL8	430511	6217147	35796	35977	1/01/1998	1/07/1998	-425.2	-4.9
WOOL8	430511	6217147	35977	36161	1/07/1998	1/01/1999	-425.2	-4.9
WOOL8	430511	6217147	36161	36342	1/01/1999	1/07/1999	-394.2	-4.6
WOOL8	430511	6217147	36342	36526	1/07/1999	1/01/2000	-394.2	-4.6
WOOL8	430511	6217147	36526	36708	1/01/2000	1/07/2000	-220.0	-2.5
WOOL8	430511	6217147	36708	36892	1/07/2000	1/01/2001	-220.0	-2.5
WOOL8	430511	6217147	36892	37073	1/01/2001	1/07/2001	-468.1	-5.4
WOOL8	430511	6217147	37073	37257	1/07/2001	1/01/2002	-468.1	-5.4
WOOL8	430511	6217147	37257	37438	1/01/2002	1/07/2002	-366.6	-4.2
WOOL8	430511	6217147	37438	37622	1/07/2002	1/01/2003	-366.6	-4.2
WOOL8	430511	6217147	37622	37803	1/01/2003	1/07/2003	-441.5	-5.1
WOOL8	430511	6217147	37803	37987	1/07/2003	1/01/2004	-410.7	-4.8
WOOL8	430511	6217147	37987	38169	1/01/2004	1/07/2004	-523.8	-6.1
WOOL8	430511	6217147	38169	38353	1/07/2004	1/01/2005	-452.2	-5.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL8	430511	6217147	38353	38534	1/01/2005	1/07/2005	-105.3	-1.2
WOOL8	430511	6217147	38534	38718	1/07/2005	1/01/2006	-452.3	-5.2
WOOL8	430511	6217147	38718	38899	1/01/2006	1/07/2006	-311.4	-3.6
WOOL8	430511	6217147	38899	39083	1/07/2006	1/01/2007	-313.5	-3.6
WOOL8	430511	6217147	39083	39264	1/01/2007	1/07/2007	-316.6	-3.7
WOOL8	430511	6217147	39264	39448	1/07/2007	1/01/2008	-330.7	-3.8
WOOL8	430511	6217147	39448	39630	1/01/2008	1/07/2008	-321.8	-3.7
WOOL8	430511	6217147	39630	39814	1/07/2008	1/01/2009	-303.7	-3.5
WOOL8	430511	6217147	39814	39995	1/01/2009	1/07/2009	-199.2	-2.3
WOOL8	430511	6217147	39995	40179	1/07/2009	1/01/2010	-193.0	-2.2
WOOL8	430511	6217147	40179	40360	1/01/2010	1/07/2010	-217.6	-2.5
WOOL8	430511	6217147	40360	40544	1/07/2010	1/01/2011	-423.4	-4.9
WOOL8	430511	6217147	40544	40725	1/01/2011	1/07/2011	-42.1	-0.5
WOOL8	430511	6217147	40725	40909	1/07/2011	1/01/2012	-451.8	-5.2
WOOL8	430511	6217147	40909	78164	1/01/2012	1/01/2114	-259.2	-3.0
WOOL9	429221	6216707	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL9	429221	6216707	33239	33420	1/01/1991	1/07/1991	-519.3	-6.0
WOOL9	429221	6216707	33420	33604	1/07/1991	1/01/1992	-663.0	-7.7
WOOL9	429221	6216707	33604	33786	1/01/1992	1/07/1992	-532.0	-6.2
WOOL9	429221	6216707	33786	33970	1/07/1992	1/01/1993	-449.8	-5.2
WOOL9	429221	6216707	33970	34151	1/01/1993	1/07/1993	-456.6	-5.3
WOOL9	429221	6216707	34151	34335	1/07/1993	1/01/1994	-456.6	-5.3
WOOL9	429221	6216707	34335	34516	1/01/1994	1/07/1994	-610.9	-7.1
WOOL9	429221	6216707	34516	34700	1/07/1994	1/01/1995	-610.9	-7.1
WOOL9	429221	6216707	34700	34881	1/01/1995	1/07/1995	-640.7	-7.4
WOOL9	429221	6216707	34881	35065	1/07/1995	1/01/1996	-640.7	-7.4
WOOL9	429221	6216707	35065	35247	1/01/1996	1/07/1996	-670.1	-7.8
WOOL9	429221	6216707	35247	35431	1/07/1996	1/01/1997	-670.1	-7.8
WOOL9	429221	6216707	35431	35612	1/01/1997	1/07/1997	-388.8	-4.5
WOOL9	429221	6216707	35612	35796	1/07/1997	1/01/1998	-388.8	-4.5
WOOL9	429221	6216707	35796	35977	1/01/1998	1/07/1998	-280.5	-3.2
WOOL9	429221	6216707	35977	36161	1/07/1998	1/01/1999	-280.5	-3.2
WOOL9	429221	6216707	36161	36342	1/01/1999	1/07/1999	-443.0	-5.1
WOOL9	429221	6216707	36342	36526	1/07/1999	1/01/2000	-443.0	-5.1
WOOL9	429221	6216707	36526	36708	1/01/2000	1/07/2000	-581.6	-6.7
WOOL9	429221	6216707	36708	36892	1/07/2000	1/01/2001	-581.6	-6.7
WOOL9	429221	6216707	36892	37073	1/01/2001	1/07/2001	-595.9	-6.9
WOOL9	429221	6216707	37073	37257	1/07/2001	1/01/2002	-595.9	-6.9
WOOL9	429221	6216707	37257	37438	1/01/2002	1/07/2002	-453.9	-5.3
WOOL9	429221	6216707	37438	37622	1/07/2002	1/01/2003	-453.9	-5.3
WOOL9	429221	6216707	37622	37803	1/01/2003	1/07/2003	-361.7	-4.2
WOOL9	429221	6216707	37803	37987	1/07/2003	1/01/2004	-23.9	-0.3
WOOL9	429221	6216707	37987	38169	1/01/2004	1/07/2004	-528.6	-6.1
WOOL9	429221	6216707	38169	38353	1/07/2004	1/01/2005	-638.7	-7.4
WOOL9	429221	6216707	38353	38534	1/01/2005	1/07/2005	-608.2	-7.0
WOOL9	429221	6216707	38534	38718	1/07/2005	1/01/2006	-532.7	-6.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL9	429221	6216707	38718	38899	1/01/2006	1/07/2006	-350.0	-4.1
WOOL9	429221	6216707	38899	39083	1/07/2006	1/01/2007	-474.0	-5.5
WOOL9	429221	6216707	39083	39264	1/01/2007	1/07/2007	-496.0	-5.7
WOOL9	429221	6216707	39264	39448	1/07/2007	1/01/2008	-496.9	-5.8
WOOL9	429221	6216707	39448	39630	1/01/2008	1/07/2008	-367.3	-4.3
WOOL9	429221	6216707	39630	39814	1/07/2008	1/01/2009	-281.2	-3.3
WOOL9	429221	6216707	39814	39995	1/01/2009	1/07/2009	-458.4	-5.3
WOOL9	429221	6216707	39995	40179	1/07/2009	1/01/2010	-467.2	-5.4
WOOL9	429221	6216707	40179	40360	1/01/2010	1/07/2010	-513.3	-5.9
WOOL9	429221	6216707	40360	40544	1/07/2010	1/01/2011	-524.4	-6.1
WOOL9	429221	6216707	40544	40725	1/01/2011	1/07/2011	-1.9	0.0
WOOL9	429221	6216707	40725	40909	1/07/2011	1/01/2012	-198.2	-2.3
WOOL9	429221	6216707	40909	78164	1/01/2012	1/01/2114	-432.0	-5.0
WOOL10	428421	6217217	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL10	428421	6217217	33239	33420	1/01/1991	1/07/1991	-273.4	-3.2
WOOL10	428421	6217217	33420	33604	1/07/1991	1/01/1992	-378.7	-4.4
WOOL10	428421	6217217	33604	33786	1/01/1992	1/07/1992	-365.5	-4.2
WOOL10	428421	6217217	33786	33970	1/07/1992	1/01/1993	-359.3	-4.2
WOOL10	428421	6217217	33970	34151	1/01/1993	1/07/1993	-585.9	-6.8
WOOL10	428421	6217217	34151	34335	1/07/1993	1/01/1994	-585.9	-6.8
WOOL10	428421	6217217	34335	34516	1/01/1994	1/07/1994	-608.1	-7.0
WOOL10	428421	6217217	34516	34700	1/07/1994	1/01/1995	-608.1	-7.0
WOOL10	428421	6217217	34700	34881	1/01/1995	1/07/1995	-519.1	-6.0
WOOL10	428421	6217217	34881	35065	1/07/1995	1/01/1996	-519.1	-6.0
WOOL10	428421	6217217	35065	35247	1/01/1996	1/07/1996	-461.8	-5.3
WOOL10	428421	6217217	35247	35431	1/07/1996	1/01/1997	-461.8	-5.3
WOOL10	428421	6217217	35431	35612	1/01/1997	1/07/1997	-583.2	-6.8
WOOL10	428421	6217217	35612	35796	1/07/1997	1/01/1998	-583.2	-6.8
WOOL10	428421	6217217	35796	35977	1/01/1998	1/07/1998	-539.8	-6.2
WOOL10	428421	6217217	35977	36161	1/07/1998	1/01/1999	-539.8	-6.2
WOOL10	428421	6217217	36161	36342	1/01/1999	1/07/1999	-576.5	-6.7
WOOL10	428421	6217217	36342	36526	1/07/1999	1/01/2000	-576.5	-6.7
WOOL10	428421	6217217	36526	36708	1/01/2000	1/07/2000	-536.2	-6.2
WOOL10	428421	6217217	36708	36892	1/07/2000	1/01/2001	-536.2	-6.2
WOOL10	428421	6217217	36892	37073	1/01/2001	1/07/2001	-191.3	-2.2
WOOL10	428421	6217217	37073	37257	1/07/2001	1/01/2002	-191.3	-2.2
WOOL10	428421	6217217	37257	37438	1/01/2002	1/07/2002	-272.2	-3.2
WOOL10	428421	6217217	37438	37622	1/07/2002	1/01/2003	-272.2	-3.2
WOOL10	428421	6217217	37622	37803	1/01/2003	1/07/2003	-346.5	-4.0
WOOL10	428421	6217217	37803	37987	1/07/2003	1/01/2004	-243.0	-2.8
WOOL10	428421	6217217	37987	38169	1/01/2004	1/07/2004	-317.0	-3.7
WOOL10	428421	6217217	38169	38353	1/07/2004	1/01/2005	-131.0	-1.5
WOOL10	428421	6217217	38353	38534	1/01/2005	1/07/2005	-526.6	-6.1
WOOL10	428421	6217217	38534	38718	1/07/2005	1/01/2006	-225.5	-2.6
WOOL10	428421	6217217	38718	38899	1/01/2006	1/07/2006	-185.2	-2.1
WOOL10	428421	6217217	38899	39083	1/07/2006	1/01/2007	-317.5	-3.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL10	428421	6217217	39083	39264	1/01/2007	1/07/2007	-433.2	-5.0
WOOL10	428421	6217217	39264	39448	1/07/2007	1/01/2008	-491.2	-5.7
WOOL10	428421	6217217	39448	39630	1/01/2008	1/07/2008	-465.3	-5.4
WOOL10	428421	6217217	39630	39814	1/07/2008	1/01/2009	-452.3	-5.2
WOOL10	428421	6217217	39814	39995	1/01/2009	1/07/2009	-425.4	-4.9
WOOL10	428421	6217217	39995	40179	1/07/2009	1/01/2010	-404.2	-4.7
WOOL10	428421	6217217	40179	40360	1/01/2010	1/07/2010	-266.3	-3.1
WOOL10	428421	6217217	40360	40544	1/07/2010	1/01/2011	-379.1	-4.4
WOOL10	428421	6217217	40544	40725	1/01/2011	1/07/2011	-44.1	-0.5
WOOL10	428421	6217217	40725	40909	1/07/2011	1/01/2012	-444.0	-5.1
WOOL10	428421	6217217	40909	78164	1/01/2012	1/01/2114	-449.3	-5.2
WOOL11	427221	6217637	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL11	427221	6217637	33239	33420	1/01/1991	1/07/1991	-593.1	-6.9
WOOL11	427221	6217637	33420	33604	1/07/1991	1/01/1992	-587.6	-6.8
WOOL11	427221	6217637	33604	33786	1/01/1992	1/07/1992	-395.1	-4.6
WOOL11	427221	6217637	33786	33970	1/07/1992	1/01/1993	-266.9	-3.1
WOOL11	427221	6217637	33970	34151	1/01/1993	1/07/1993	-266.9	-3.1
WOOL11	427221	6217637	34151	34335	1/07/1993	1/01/1994	-266.9	-3.1
WOOL11	427221	6217637	34335	34516	1/01/1994	1/07/1994	-595.6	-6.9
WOOL11	427221	6217637	34516	34700	1/07/1994	1/01/1995	-595.6	-6.9
WOOL11	427221	6217637	34700	34881	1/01/1995	1/07/1995	-606.3	-7.0
WOOL11	427221	6217637	34881	35065	1/07/1995	1/01/1996	-606.3	-7.0
WOOL11	427221	6217637	35065	35247	1/01/1996	1/07/1996	-568.6	-6.6
WOOL11	427221	6217637	35247	35431	1/07/1996	1/01/1997	-568.6	-6.6
WOOL11	427221	6217637	35431	35612	1/01/1997	1/07/1997	-603.6	-7.0
WOOL11	427221	6217637	35612	35796	1/07/1997	1/01/1998	-603.6	-7.0
WOOL11	427221	6217637	35796	35977	1/01/1998	1/07/1998	-460.4	-5.3
WOOL11	427221	6217637	35977	36161	1/07/1998	1/01/1999	-460.4	-5.3
WOOL11	427221	6217637	36161	36342	1/01/1999	1/07/1999	-469.2	-5.4
WOOL11	427221	6217637	36342	36526	1/07/1999	1/01/2000	-469.2	-5.4
WOOL11	427221	6217637	36526	36708	1/01/2000	1/07/2000	-523.7	-6.1
WOOL11	427221	6217637	36708	36892	1/07/2000	1/01/2001	-523.7	-6.1
WOOL11	427221	6217637	36892	37073	1/01/2001	1/07/2001	-181.2	-2.1
WOOL11	427221	6217637	37073	37257	1/07/2001	1/01/2002	-181.2	-2.1
WOOL11	427221	6217637	37257	37438	1/01/2002	1/07/2002	-200.8	-2.3
WOOL11	427221	6217637	37438	37622	1/07/2002	1/01/2003	-200.8	-2.3
WOOL11	427221	6217637	37622	37803	1/01/2003	1/07/2003	-311.6	-3.6
WOOL11	427221	6217637	37803	37987	1/07/2003	1/01/2004	-178.1	-2.1
WOOL11	427221	6217637	37987	38169	1/01/2004	1/07/2004	-392.3	-4.5
WOOL11	427221	6217637	38169	38353	1/07/2004	1/01/2005	-349.6	-4.0
WOOL11	427221	6217637	38353	38534	1/01/2005	1/07/2005	-489.3	-5.7
WOOL11	427221	6217637	38534	38718	1/07/2005	1/01/2006	-338.9	-3.9
WOOL11	427221	6217637	38718	38899	1/01/2006	1/07/2006	-249.9	-2.9
WOOL11	427221	6217637	38899	39083	1/07/2006	1/01/2007	-269.3	-3.1
WOOL11	427221	6217637	39083	39264	1/01/2007	1/07/2007	-457.7	-5.3
WOOL11	427221	6217637	39264	39448	1/07/2007	1/01/2008	-359.8	-4.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL11	427221	6217637	39448	39630	1/01/2008	1/07/2008	-278.7	-3.2
WOOL11	427221	6217637	39630	39814	1/07/2008	1/01/2009	-325.4	-3.8
WOOL11	427221	6217637	39814	39995	1/01/2009	1/07/2009	-426.7	-4.9
WOOL11	427221	6217637	39995	40179	1/07/2009	1/01/2010	-225.2	-2.6
WOOL11	427221	6217637	40179	40360	1/01/2010	1/07/2010	-372.4	-4.3
WOOL11	427221	6217637	40360	40544	1/07/2010	1/01/2011	-420.3	-4.9
WOOL11	427221	6217637	40544	40725	1/01/2011	1/07/2011	-58.7	-0.7
WOOL11	427221	6217637	40725	40909	1/07/2011	1/01/2012	-519.2	-6.0
WOOL11	427221	6217637	40909	78164	1/01/2012	1/01/2114	0.0	0.0
WOOL12	426361	6218337	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL12	426361	6218337	33239	33420	1/01/1991	1/07/1991	-323.2	-3.7
WOOL12	426361	6218337	33420	33604	1/07/1991	1/01/1992	-255.1	-3.0
WOOL12	426361	6218337	33604	33786	1/01/1992	1/07/1992	-221.1	-2.6
WOOL12	426361	6218337	33786	33970	1/07/1992	1/01/1993	-311.5	-3.6
WOOL12	426361	6218337	33970	34151	1/01/1993	1/07/1993	-308.7	-3.6
WOOL12	426361	6218337	34151	34335	1/07/1993	1/01/1994	-308.7	-3.6
WOOL12	426361	6218337	34335	34516	1/01/1994	1/07/1994	-525.7	-6.1
WOOL12	426361	6218337	34516	34700	1/07/1994	1/01/1995	-525.7	-6.1
WOOL12	426361	6218337	34700	34881	1/01/1995	1/07/1995	-484.0	-5.6
WOOL12	426361	6218337	34881	35065	1/07/1995	1/01/1996	-484.0	-5.6
WOOL12	426361	6218337	35065	35247	1/01/1996	1/07/1996	-472.2	-5.5
WOOL12	426361	6218337	35247	35431	1/07/1996	1/01/1997	-472.2	-5.5
WOOL12	426361	6218337	35431	35612	1/01/1997	1/07/1997	-539.2	-6.2
WOOL12	426361	6218337	35612	35796	1/07/1997	1/01/1998	-539.2	-6.2
WOOL12	426361	6218337	35796	35977	1/01/1998	1/07/1998	-448.2	-5.2
WOOL12	426361	6218337	35977	36161	1/07/1998	1/01/1999	-448.2	-5.2
WOOL12	426361	6218337	36161	36342	1/01/1999	1/07/1999	-463.3	-5.4
WOOL12	426361	6218337	36342	36526	1/07/1999	1/01/2000	-463.3	-5.4
WOOL12	426361	6218337	36526	36708	1/01/2000	1/07/2000	-414.8	-4.8
WOOL12	426361	6218337	36708	36892	1/07/2000	1/01/2001	-414.8	-4.8
WOOL12	426361	6218337	36892	37073	1/01/2001	1/07/2001	-105.9	-1.2
WOOL12	426361	6218337	37073	37257	1/07/2001	1/01/2002	-105.9	-1.2
WOOL12	426361	6218337	37257	37438	1/01/2002	1/07/2002	-338.8	-3.9
WOOL12	426361	6218337	37438	37622	1/07/2002	1/01/2003	-338.8	-3.9
WOOL12	426361	6218337	37622	37803	1/01/2003	1/07/2003	-232.5	-2.7
WOOL12	426361	6218337	37803	37987	1/07/2003	1/01/2004	-150.7	-1.7
WOOL12	426361	6218337	37987	38169	1/01/2004	1/07/2004	-310.8	-3.6
WOOL12	426361	6218337	38169	38353	1/07/2004	1/01/2005	-305.1	-3.5
WOOL12	426361	6218337	38353	38534	1/01/2005	1/07/2005	-384.8	-4.5
WOOL12	426361	6218337	38534	38718	1/07/2005	1/01/2006	-292.2	-3.4
WOOL12	426361	6218337	38718	38899	1/01/2006	1/07/2006	-97.0	-1.1
WOOL12	426361	6218337	38899	39083	1/07/2006	1/01/2007	-412.8	-4.8
WOOL12	426361	6218337	39083	39264	1/01/2007	1/07/2007	-151.3	-1.8
WOOL12	426361	6218337	39264	39448	1/07/2007	1/01/2008	-228.7	-2.6
WOOL12	426361	6218337	39448	39630	1/01/2008	1/07/2008	-305.4	-3.5
WOOL12	426361	6218337	39630	39814	1/07/2008	1/01/2009	-395.7	-4.6

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL12	426361	6218337	39814	39995	1/01/2009	1/07/2009	-184.9	-2.1
WOOL12	426361	6218337	39995	40179	1/07/2009	1/01/2010	-170.0	-2.0
WOOL12	426361	6218337	40179	40360	1/01/2010	1/07/2010	-216.6	-2.5
WOOL12	426361	6218337	40360	40544	1/07/2010	1/01/2011	-259.3	-3.0
WOOL12	426361	6218337	40544	40725	1/01/2011	1/07/2011	-48.9	-0.6
WOOL12	426361	6218337	40725	40909	1/07/2011	1/01/2012	-591.2	-6.8
WOOL12	426361	6218337	40909	78164	1/01/2012	1/01/2114	-345.6	-4.0
WOOL13	425211	6218567	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL13	425211	6218567	33239	33420	1/01/1991	1/07/1991	-344.6	-4.0
WOOL13	425211	6218567	33420	33604	1/07/1991	1/01/1992	-381.1	-4.4
WOOL13	425211	6218567	33604	33786	1/01/1992	1/07/1992	-292.8	-3.4
WOOL13	425211	6218567	33786	33970	1/07/1992	1/01/1993	-288.4	-3.3
WOOL13	425211	6218567	33970	34151	1/01/1993	1/07/1993	-288.4	-3.3
WOOL13	425211	6218567	34151	34335	1/07/1993	1/01/1994	-288.4	-3.3
WOOL13	425211	6218567	34335	34516	1/01/1994	1/07/1994	-447.4	-5.2
WOOL13	425211	6218567	34516	34700	1/07/1994	1/01/1995	-447.4	-5.2
WOOL13	425211	6218567	34700	34881	1/01/1995	1/07/1995	-395.0	-4.6
WOOL13	425211	6218567	34881	35065	1/07/1995	1/01/1996	-395.0	-4.6
WOOL13	425211	6218567	35065	35247	1/01/1996	1/07/1996	-568.6	-6.6
WOOL13	425211	6218567	35247	35431	1/07/1996	1/01/1997	-568.6	-6.6
WOOL13	425211	6218567	35431	35612	1/01/1997	1/07/1997	-441.9	-5.1
WOOL13	425211	6218567	35612	35796	1/07/1997	1/01/1998	-441.9	-5.1
WOOL13	425211	6218567	35796	35977	1/01/1998	1/07/1998	-402.9	-4.7
WOOL13	425211	6218567	35977	36161	1/07/1998	1/01/1999	-402.9	-4.7
WOOL13	425211	6218567	36161	36342	1/01/1999	1/07/1999	-346.2	-4.0
WOOL13	425211	6218567	36342	36526	1/07/1999	1/01/2000	-346.2	-4.0
WOOL13	425211	6218567	36526	36708	1/01/2000	1/07/2000	-351.9	-4.1
WOOL13	425211	6218567	36708	36892	1/07/2000	1/01/2001	-351.9	-4.1
WOOL13	425211	6218567	36892	37073	1/01/2001	1/07/2001	-271.5	-3.1
WOOL13	425211	6218567	37073	37257	1/07/2001	1/01/2002	-271.5	-3.1
WOOL13	425211	6218567	37257	37438	1/01/2002	1/07/2002	-61.9	-0.7
WOOL13	425211	6218567	37438	37622	1/07/2002	1/01/2003	-61.9	-0.7
WOOL13	425211	6218567	37622	37803	1/01/2003	1/07/2003	-232.0	-2.7
WOOL13	425211	6218567	37803	37987	1/07/2003	1/01/2004	-230.2	-2.7
WOOL13	425211	6218567	37987	38169	1/01/2004	1/07/2004	-340.7	-3.9
WOOL13	425211	6218567	38169	38353	1/07/2004	1/01/2005	-299.8	-3.5
WOOL13	425211	6218567	38353	38534	1/01/2005	1/07/2005	-404.2	-4.7
WOOL13	425211	6218567	38534	38718	1/07/2005	1/01/2006	-301.4	-3.5
WOOL13	425211	6218567	38718	38899	1/01/2006	1/07/2006	-108.1	-1.3
WOOL13	425211	6218567	38899	39083	1/07/2006	1/01/2007	-373.7	-4.3
WOOL13	425211	6218567	39083	39264	1/01/2007	1/07/2007	-119.2	-1.4
WOOL13	425211	6218567	39264	39448	1/07/2007	1/01/2008	-272.9	-3.2
WOOL13	425211	6218567	39448	39630	1/01/2008	1/07/2008	-418.5	-4.8
WOOL13	425211	6218567	39630	39814	1/07/2008	1/01/2009	-180.7	-2.1
WOOL13	425211	6218567	39814	39995	1/01/2009	1/07/2009	-360.1	-4.2
WOOL13	425211	6218567	39995	40179	1/07/2009	1/01/2010	-310.1	-3.6

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL13	425211	6218567	40179	40360	1/01/2010	1/07/2010	-259.0	-3.0
WOOL13	425211	6218567	40360	40544	1/07/2010	1/01/2011	-331.5	-3.8
WOOL13	425211	6218567	40544	40725	1/01/2011	1/07/2011	-43.1	-0.5
WOOL13	425211	6218567	40725	40909	1/07/2011	1/01/2012	-392.8	-4.5
WOOL13	425211	6218567	40909	78164	1/01/2012	1/01/2114	-388.8	-4.5
WOOL14	424141	6218747	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL14	424141	6218747	33239	33420	1/01/1991	1/07/1991	-377.8	-4.4
WOOL14	424141	6218747	33420	33604	1/07/1991	1/01/1992	-375.8	-4.3
WOOL14	424141	6218747	33604	33786	1/01/1992	1/07/1992	-309.5	-3.6
WOOL14	424141	6218747	33786	33970	1/07/1992	1/01/1993	-309.5	-3.6
WOOL14	424141	6218747	33970	34151	1/01/1993	1/07/1993	-373.7	-4.3
WOOL14	424141	6218747	34151	34335	1/07/1993	1/01/1994	-373.7	-4.3
WOOL14	424141	6218747	34335	34516	1/01/1994	1/07/1994	-524.7	-6.1
WOOL14	424141	6218747	34516	34700	1/07/1994	1/01/1995	-524.7	-6.1
WOOL14	424141	6218747	34700	34881	1/01/1995	1/07/1995	-499.3	-5.8
WOOL14	424141	6218747	34881	35065	1/07/1995	1/01/1996	-499.3	-5.8
WOOL14	424141	6218747	35065	35247	1/01/1996	1/07/1996	-629.2	-7.3
WOOL14	424141	6218747	35247	35431	1/07/1996	1/01/1997	-629.2	-7.3
WOOL14	424141	6218747	35431	35612	1/01/1997	1/07/1997	-478.0	-5.5
WOOL14	424141	6218747	35612	35796	1/07/1997	1/01/1998	-478.0	-5.5
WOOL14	424141	6218747	35796	35977	1/01/1998	1/07/1998	-339.4	-3.9
WOOL14	424141	6218747	35977	36161	1/07/1998	1/01/1999	-339.4	-3.9
WOOL14	424141	6218747	36161	36342	1/01/1999	1/07/1999	-373.5	-4.3
WOOL14	424141	6218747	36342	36526	1/07/1999	1/01/2000	-373.5	-4.3
WOOL14	424141	6218747	36526	36708	1/01/2000	1/07/2000	-412.7	-4.8
WOOL14	424141	6218747	36708	36892	1/07/2000	1/01/2001	-412.7	-4.8
WOOL14	424141	6218747	36892	37073	1/01/2001	1/07/2001	-390.2	-4.5
WOOL14	424141	6218747	37073	37257	1/07/2001	1/01/2002	-390.2	-4.5
WOOL14	424141	6218747	37257	37438	1/01/2002	1/07/2002	-329.1	-3.8
WOOL14	424141	6218747	37438	37622	1/07/2002	1/01/2003	-329.1	-3.8
WOOL14	424141	6218747	37622	37803	1/01/2003	1/07/2003	-216.7	-2.5
WOOL14	424141	6218747	37803	37987	1/07/2003	1/01/2004	-165.1	-1.9
WOOL14	424141	6218747	37987	38169	1/01/2004	1/07/2004	-376.3	-4.4
WOOL14	424141	6218747	38169	38353	1/07/2004	1/01/2005	-340.7	-3.9
WOOL14	424141	6218747	38353	38534	1/01/2005	1/07/2005	-533.7	-6.2
WOOL14	424141	6218747	38534	38718	1/07/2005	1/01/2006	-341.0	-3.9
WOOL14	424141	6218747	38718	38899	1/01/2006	1/07/2006	-94.3	-1.1
WOOL14	424141	6218747	38899	39083	1/07/2006	1/01/2007	-268.9	-3.1
WOOL14	424141	6218747	39083	39264	1/01/2007	1/07/2007	-364.4	-4.2
WOOL14	424141	6218747	39264	39448	1/07/2007	1/01/2008	-223.9	-2.6
WOOL14	424141	6218747	39448	39630	1/01/2008	1/07/2008	-146.4	-1.7
WOOL14	424141	6218747	39630	39814	1/07/2008	1/01/2009	-263.0	-3.0
WOOL14	424141	6218747	39814	39995	1/01/2009	1/07/2009	-299.3	-3.5
WOOL14	424141	6218747	39995	40179	1/07/2009	1/01/2010	-318.2	-3.7
WOOL14	424141	6218747	40179	40360	1/01/2010	1/07/2010	-621.0	-7.2
WOOL14	424141	6218747	40360	40544	1/07/2010	1/01/2011	-406.1	-4.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL14	424141	6218747	40544	40725	1/01/2011	1/07/2011	-55.6	-0.6
WOOL14	424141	6218747	40725	40909	1/07/2011	1/01/2012	-614.8	-7.1
WOOL14	424141	6218747	40909	78164	1/01/2012	1/01/2114	-335.1	-3.9
WOOL15	423101	6218607	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL15	423101	6218607	33239	33420	1/01/1991	1/07/1991	-299.1	-3.5
WOOL15	423101	6218607	33420	33604	1/07/1991	1/01/1992	-381.6	-4.4
WOOL15	423101	6218607	33604	33786	1/01/1992	1/07/1992	-328.1	-3.8
WOOL15	423101	6218607	33786	33970	1/07/1992	1/01/1993	-317.0	-3.7
WOOL15	423101	6218607	33970	34151	1/01/1993	1/07/1993	-440.7	-5.1
WOOL15	423101	6218607	34151	34335	1/07/1993	1/01/1994	-440.7	-5.1
WOOL15	423101	6218607	34335	34516	1/01/1994	1/07/1994	-501.9	-5.8
WOOL15	423101	6218607	34516	34700	1/07/1994	1/01/1995	-501.9	-5.8
WOOL15	423101	6218607	34700	34881	1/01/1995	1/07/1995	-428.6	-5.0
WOOL15	423101	6218607	34881	35065	1/07/1995	1/01/1996	-428.6	-5.0
WOOL15	423101	6218607	35065	35247	1/01/1996	1/07/1996	-436.9	-5.1
WOOL15	423101	6218607	35247	35431	1/07/1996	1/01/1997	-436.9	-5.1
WOOL15	423101	6218607	35431	35612	1/01/1997	1/07/1997	-397.5	-4.6
WOOL15	423101	6218607	35612	35796	1/07/1997	1/01/1998	-397.5	-4.6
WOOL15	423101	6218607	35796	35977	1/01/1998	1/07/1998	-415.4	-4.8
WOOL15	423101	6218607	35977	36161	1/07/1998	1/01/1999	-415.4	-4.8
WOOL15	423101	6218607	36161	36342	1/01/1999	1/07/1999	-488.5	-5.7
WOOL15	423101	6218607	36342	36526	1/07/1999	1/01/2000	-488.5	-5.7
WOOL15	423101	6218607	36526	36708	1/01/2000	1/07/2000	-365.5	-4.2
WOOL15	423101	6218607	36708	36892	1/07/2000	1/01/2001	-365.5	-4.2
WOOL15	423101	6218607	36892	37073	1/01/2001	1/07/2001	-495.1	-5.7
WOOL15	423101	6218607	37073	37257	1/07/2001	1/01/2002	-495.1	-5.7
WOOL15	423101	6218607	37257	37438	1/01/2002	1/07/2002	-386.6	-4.5
WOOL15	423101	6218607	37438	37622	1/07/2002	1/01/2003	-386.6	-4.5
WOOL15	423101	6218607	37622	37803	1/01/2003	1/07/2003	-317.1	-3.7
WOOL15	423101	6218607	37803	37987	1/07/2003	1/01/2004	-169.1	-2.0
WOOL15	423101	6218607	37987	38169	1/01/2004	1/07/2004	-266.9	-3.1
WOOL15	423101	6218607	38169	38353	1/07/2004	1/01/2005	-298.4	-3.5
WOOL15	423101	6218607	38353	38534	1/01/2005	1/07/2005	-359.9	-4.2
WOOL15	423101	6218607	38534	38718	1/07/2005	1/01/2006	-270.9	-3.1
WOOL15	423101	6218607	38718	38899	1/01/2006	1/07/2006	-14.9	-0.2
WOOL15	423101	6218607	38899	39083	1/07/2006	1/01/2007	-65.7	-0.8
WOOL15	423101	6218607	39083	39264	1/01/2007	1/07/2007	-323.4	-3.7
WOOL15	423101	6218607	39264	39448	1/07/2007	1/01/2008	-263.0	-3.0
WOOL15	423101	6218607	39448	39630	1/01/2008	1/07/2008	-105.3	-1.2
WOOL15	423101	6218607	39630	39814	1/07/2008	1/01/2009	-210.7	-2.4
WOOL15	423101	6218607	39814	39995	1/01/2009	1/07/2009	-289.2	-3.3
WOOL15	423101	6218607	39995	40179	1/07/2009	1/01/2010	-273.5	-3.2
WOOL15	423101	6218607	40179	40360	1/01/2010	1/07/2010	-343.9	-4.0
WOOL15	423101	6218607	40360	40544	1/07/2010	1/01/2011	-388.5	-4.5
WOOL15	423101	6218607	40544	40725	1/01/2011	1/07/2011	-28.5	-0.3
WOOL15	423101	6218607	40725	40909	1/07/2011	1/01/2012	-258.1	-3.0

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL15	423101	6218607	40909	78164	1/01/2012	1/01/2114	-355.0	-4.1
WOOL16	421471	6218177	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL16	421471	6218177	33239	33420	1/01/1991	1/07/1991	-529.7	-6.1
WOOL16	421471	6218177	33420	33604	1/07/1991	1/01/1992	-556.0	-6.4
WOOL16	421471	6218177	33604	33786	1/01/1992	1/07/1992	-368.6	-4.3
WOOL16	421471	6218177	33786	33970	1/07/1992	1/01/1993	-370.8	-4.3
WOOL16	421471	6218177	33970	34151	1/01/1993	1/07/1993	-370.8	-4.3
WOOL16	421471	6218177	34151	34335	1/07/1993	1/01/1994	-370.8	-4.3
WOOL16	421471	6218177	34335	34516	1/01/1994	1/07/1994	-569.5	-6.6
WOOL16	421471	6218177	34516	34700	1/07/1994	1/01/1995	-569.5	-6.6
WOOL16	421471	6218177	34700	34881	1/01/1995	1/07/1995	-556.6	-6.4
WOOL16	421471	6218177	34881	35065	1/07/1995	1/01/1996	-556.6	-6.4
WOOL16	421471	6218177	35065	35247	1/01/1996	1/07/1996	-585.5	-6.8
WOOL16	421471	6218177	35247	35431	1/07/1996	1/01/1997	-585.5	-6.8
WOOL16	421471	6218177	35431	35612	1/01/1997	1/07/1997	-554.2	-6.4
WOOL16	421471	6218177	35612	35796	1/07/1997	1/01/1998	-554.2	-6.4
WOOL16	421471	6218177	35796	35977	1/01/1998	1/07/1998	-504.2	-5.8
WOOL16	421471	6218177	35977	36161	1/07/1998	1/01/1999	-504.2	-5.8
WOOL16	421471	6218177	36161	36342	1/01/1999	1/07/1999	-550.4	-6.4
WOOL16	421471	6218177	36342	36526	1/07/1999	1/01/2000	-550.4	-6.4
WOOL16	421471	6218177	36526	36708	1/01/2000	1/07/2000	-597.2	-6.9
WOOL16	421471	6218177	36708	36892	1/07/2000	1/01/2001	-597.2	-6.9
WOOL16	421471	6218177	36892	37073	1/01/2001	1/07/2001	-544.7	-6.3
WOOL16	421471	6218177	37073	37257	1/07/2001	1/01/2002	-544.7	-6.3
WOOL16	421471	6218177	37257	37438	1/01/2002	1/07/2002	-451.7	-5.2
WOOL16	421471	6218177	37438	37622	1/07/2002	1/01/2003	-451.7	-5.2
WOOL16	421471	6218177	37622	37803	1/01/2003	1/07/2003	-379.4	-4.4
WOOL16	421471	6218177	37803	37987	1/07/2003	1/01/2004	-205.0	-2.4
WOOL16	421471	6218177	37987	38169	1/01/2004	1/07/2004	-345.4	-4.0
WOOL16	421471	6218177	38169	38353	1/07/2004	1/01/2005	-289.5	-3.4
WOOL16	421471	6218177	38353	38534	1/01/2005	1/07/2005	-264.4	-3.1
WOOL16	421471	6218177	38534	38718	1/07/2005	1/01/2006	-306.8	-3.6
WOOL16	421471	6218177	38718	38899	1/01/2006	1/07/2006	-96.7	-1.1
WOOL16	421471	6218177	38899	39083	1/07/2006	1/01/2007	-370.5	-4.3
WOOL16	421471	6218177	39083	39264	1/01/2007	1/07/2007	-359.1	-4.2
WOOL16	421471	6218177	39264	39448	1/07/2007	1/01/2008	-300.3	-3.5
WOOL16	421471	6218177	39448	39630	1/01/2008	1/07/2008	-327.9	-3.8
WOOL16	421471	6218177	39630	39814	1/07/2008	1/01/2009	-152.5	-1.8
WOOL16	421471	6218177	39814	39995	1/01/2009	1/07/2009	-332.0	-3.8
WOOL16	421471	6218177	39995	40179	1/07/2009	1/01/2010	-467.0	-5.4
WOOL16	421471	6218177	40179	40360	1/01/2010	1/07/2010	-572.3	-6.6
WOOL16	421471	6218177	40360	40544	1/07/2010	1/01/2011	-375.2	-4.3
WOOL16	421471	6218177	40544	40725	1/01/2011	1/07/2011	-48.4	-0.6
WOOL16	421471	6218177	40725	40909	1/07/2011	1/01/2012	-584.8	-6.8
WOOL16	421471	6218177	40909	78164	1/01/2012	1/01/2114	-388.8	-4.5
WOOL17	420871	6217617	Steady state	33239	-	1/01/1991	0.0	0.0

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL17	420871	6217617	33239	33420	1/01/1991	1/07/1991	-529.7	-6.1
WOOL17	420871	6217617	33420	33604	1/07/1991	1/01/1992	-529.7	-6.1
WOOL17	420871	6217617	33604	33786	1/01/1992	1/07/1992	-347.7	-4.0
WOOL17	420871	6217617	33786	33970	1/07/1992	1/01/1993	-355.7	-4.1
WOOL17	420871	6217617	33970	34151	1/01/1993	1/07/1993	-592.8	-6.9
WOOL17	420871	6217617	34151	34335	1/07/1993	1/01/1994	-592.8	-6.9
WOOL17	420871	6217617	34335	34516	1/01/1994	1/07/1994	-613.2	-7.1
WOOL17	420871	6217617	34516	34700	1/07/1994	1/01/1995	-613.2	-7.1
WOOL17	420871	6217617	34700	34881	1/01/1995	1/07/1995	-509.9	-5.9
WOOL17	420871	6217617	34881	35065	1/07/1995	1/01/1996	-509.9	-5.9
WOOL17	420871	6217617	35065	35247	1/01/1996	1/07/1996	-608.5	-7.0
WOOL17	420871	6217617	35247	35431	1/07/1996	1/01/1997	-608.5	-7.0
WOOL17	420871	6217617	35431	35612	1/01/1997	1/07/1997	-605.5	-7.0
WOOL17	420871	6217617	35612	35796	1/07/1997	1/01/1998	-605.5	-7.0
WOOL17	420871	6217617	35796	35977	1/01/1998	1/07/1998	-475.4	-5.5
WOOL17	420871	6217617	35977	36161	1/07/1998	1/01/1999	-475.4	-5.5
WOOL17	420871	6217617	36161	36342	1/01/1999	1/07/1999	-429.0	-5.0
WOOL17	420871	6217617	36342	36526	1/07/1999	1/01/2000	-429.0	-5.0
WOOL17	420871	6217617	36526	36708	1/01/2000	1/07/2000	-566.1	-6.6
WOOL17	420871	6217617	36708	36892	1/07/2000	1/01/2001	-566.1	-6.6
WOOL17	420871	6217617	36892	37073	1/01/2001	1/07/2001	-479.1	-5.5
WOOL17	420871	6217617	37073	37257	1/07/2001	1/01/2002	-479.1	-5.5
WOOL17	420871	6217617	37257	37438	1/01/2002	1/07/2002	-500.0	-5.8
WOOL17	420871	6217617	37438	37622	1/07/2002	1/01/2003	-500.0	-5.8
WOOL17	420871	6217617	37622	37803	1/01/2003	1/07/2003	-348.9	-4.0
WOOL17	420871	6217617	37803	37987	1/07/2003	1/01/2004	-368.8	-4.3
WOOL17	420871	6217617	37987	38169	1/01/2004	1/07/2004	-463.2	-5.4
WOOL17	420871	6217617	38169	38353	1/07/2004	1/01/2005	-298.4	-3.5
WOOL17	420871	6217617	38353	38534	1/01/2005	1/07/2005	-660.5	-7.6
WOOL17	420871	6217617	38534	38718	1/07/2005	1/01/2006	-673.8	-7.8
WOOL17	420871	6217617	38718	38899	1/01/2006	1/07/2006	-189.5	-2.2
WOOL17	420871	6217617	38899	39083	1/07/2006	1/01/2007	-688.4	-8.0
WOOL17	420871	6217617	39083	39264	1/01/2007	1/07/2007	-539.0	-6.2
WOOL17	420871	6217617	39264	39448	1/07/2007	1/01/2008	-516.6	-6.0
WOOL17	420871	6217617	39448	39630	1/01/2008	1/07/2008	-628.8	-7.3
WOOL17	420871	6217617	39630	39814	1/07/2008	1/01/2009	-691.7	-8.0
WOOL17	420871	6217617	39814	39995	1/01/2009	1/07/2009	-669.0	-7.7
WOOL17	420871	6217617	39995	40179	1/07/2009	1/01/2010	-639.8	-7.4
WOOL17	420871	6217617	40179	40360	1/01/2010	1/07/2010	-630.6	-7.3
WOOL17	420871	6217617	40360	40544	1/07/2010	1/01/2011	-471.2	-5.5
WOOL17	420871	6217617	40544	40725	1/01/2011	1/07/2011	-56.1	-0.6
WOOL17	420871	6217617	40725	40909	1/07/2011	1/01/2012	-685.8	-7.9
WOOL17	420871	6217617	40909	78164	1/01/2012	1/01/2114	-560.5	-6.5
WOOL18	419851	6217047	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL18	419851	6217047	33239	33420	1/01/1991	1/07/1991	-583.1	-6.7
WOOL18	419851	6217047	33420	33604	1/07/1991	1/01/1992	-583.1	-6.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL18	419851	6217047	33604	33786	1/01/1992	1/07/1992	-392.8	-4.5
WOOL18	419851	6217047	33786	33970	1/07/1992	1/01/1993	-393.0	-4.5
WOOL18	419851	6217047	33970	34151	1/01/1993	1/07/1993	-669.0	-7.7
WOOL18	419851	6217047	34151	34335	1/07/1993	1/01/1994	-669.0	-7.7
WOOL18	419851	6217047	34335	34516	1/01/1994	1/07/1994	-637.7	-7.4
WOOL18	419851	6217047	34516	34700	1/07/1994	1/01/1995	-637.7	-7.4
WOOL18	419851	6217047	34700	34881	1/01/1995	1/07/1995	-474.0	-5.5
WOOL18	419851	6217047	34881	35065	1/07/1995	1/01/1996	-474.0	-5.5
WOOL18	419851	6217047	35065	35247	1/01/1996	1/07/1996	-590.6	-6.8
WOOL18	419851	6217047	35247	35431	1/07/1996	1/01/1997	-590.6	-6.8
WOOL18	419851	6217047	35431	35612	1/01/1997	1/07/1997	-557.0	-6.4
WOOL18	419851	6217047	35612	35796	1/07/1997	1/01/1998	-557.0	-6.4
WOOL18	419851	6217047	35796	35977	1/01/1998	1/07/1998	-516.2	-6.0
WOOL18	419851	6217047	35977	36161	1/07/1998	1/01/1999	-516.2	-6.0
WOOL18	419851	6217047	36161	36342	1/01/1999	1/07/1999	-564.5	-6.5
WOOL18	419851	6217047	36342	36526	1/07/1999	1/01/2000	-564.5	-6.5
WOOL18	419851	6217047	36526	36708	1/01/2000	1/07/2000	-481.4	-5.6
WOOL18	419851	6217047	36708	36892	1/07/2000	1/01/2001	-481.4	-5.6
WOOL18	419851	6217047	36892	37073	1/01/2001	1/07/2001	-398.1	-4.6
WOOL18	419851	6217047	37073	37257	1/07/2001	1/01/2002	-398.1	-4.6
WOOL18	419851	6217047	37257	37438	1/01/2002	1/07/2002	-376.9	-4.4
WOOL18	419851	6217047	37438	37622	1/07/2002	1/01/2003	-376.9	-4.4
WOOL18	419851	6217047	37622	37803	1/01/2003	1/07/2003	-578.8	-6.7
WOOL18	419851	6217047	37803	37987	1/07/2003	1/01/2004	-492.1	-5.7
WOOL18	419851	6217047	37987	38169	1/01/2004	1/07/2004	-655.1	-7.6
WOOL18	419851	6217047	38169	38353	1/07/2004	1/01/2005	-664.7	-7.7
WOOL18	419851	6217047	38353	38534	1/01/2005	1/07/2005	-660.2	-7.6
WOOL18	419851	6217047	38534	38718	1/07/2005	1/01/2006	-671.5	-7.8
WOOL18	419851	6217047	38718	38899	1/01/2006	1/07/2006	-104.1	-1.2
WOOL18	419851	6217047	38899	39083	1/07/2006	1/01/2007	-644.3	-7.5
WOOL18	419851	6217047	39083	39264	1/01/2007	1/07/2007	-607.9	-7.0
WOOL18	419851	6217047	39264	39448	1/07/2007	1/01/2008	-491.7	-5.7
WOOL18	419851	6217047	39448	39630	1/01/2008	1/07/2008	-545.6	-6.3
WOOL18	419851	6217047	39630	39814	1/07/2008	1/01/2009	-606.1	-7.0
WOOL18	419851	6217047	39814	39995	1/01/2009	1/07/2009	-467.3	-5.4
WOOL18	419851	6217047	39995	40179	1/07/2009	1/01/2010	-427.0	-4.9
WOOL18	419851	6217047	40179	40360	1/01/2010	1/07/2010	-79.1	-0.9
WOOL18	419851	6217047	40360	40544	1/07/2010	1/01/2011	-108.9	-1.3
WOOL18	419851	6217047	40544	40725	1/01/2011	1/07/2011	-42.8	-0.5
WOOL18	419851	6217047	40725	40909	1/07/2011	1/01/2012	-665.9	-7.7
WOOL18	419851	6217047	40909	78164	1/01/2012	1/01/2114	-542.9	-6.3
WOOL19	418751	6216597	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL19	418751	6216597	33239	33420	1/01/1991	1/07/1991	-543.8	-6.3
WOOL19	418751	6216597	33420	33604	1/07/1991	1/01/1992	-570.7	-6.6
WOOL19	418751	6216597	33604	33786	1/01/1992	1/07/1992	-353.0	-4.1
WOOL19	418751	6216597	33786	33970	1/07/1992	1/01/1993	-334.2	-3.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL19	418751	6216597	33970	34151	1/01/1993	1/07/1993	-604.8	-7.0
WOOL19	418751	6216597	34151	34335	1/07/1993	1/01/1994	-604.8	-7.0
WOOL19	418751	6216597	34335	34516	1/01/1994	1/07/1994	-600.7	-7.0
WOOL19	418751	6216597	34516	34700	1/07/1994	1/01/1995	-600.7	-7.0
WOOL19	418751	6216597	34700	34881	1/01/1995	1/07/1995	-619.8	-7.2
WOOL19	418751	6216597	34881	35065	1/07/1995	1/01/1996	-619.8	-7.2
WOOL19	418751	6216597	35065	35247	1/01/1996	1/07/1996	-622.5	-7.2
WOOL19	418751	6216597	35247	35431	1/07/1996	1/01/1997	-622.5	-7.2
WOOL19	418751	6216597	35431	35612	1/01/1997	1/07/1997	-632.4	-7.3
WOOL19	418751	6216597	35612	35796	1/07/1997	1/01/1998	-632.4	-7.3
WOOL19	418751	6216597	35796	35977	1/01/1998	1/07/1998	-491.1	-5.7
WOOL19	418751	6216597	35977	36161	1/07/1998	1/01/1999	-491.1	-5.7
WOOL19	418751	6216597	36161	36342	1/01/1999	1/07/1999	-526.6	-6.1
WOOL19	418751	6216597	36342	36526	1/07/1999	1/01/2000	-526.6	-6.1
WOOL19	418751	6216597	36526	36708	1/01/2000	1/07/2000	-529.6	-6.1
WOOL19	418751	6216597	36708	36892	1/07/2000	1/01/2001	-529.6	-6.1
WOOL19	418751	6216597	36892	37073	1/01/2001	1/07/2001	-532.9	-6.2
WOOL19	418751	6216597	37073	37257	1/07/2001	1/01/2002	-532.9	-6.2
WOOL19	418751	6216597	37257	37438	1/01/2002	1/07/2002	-489.1	-5.7
WOOL19	418751	6216597	37438	37622	1/07/2002	1/01/2003	-489.1	-5.7
WOOL19	418751	6216597	37622	37803	1/01/2003	1/07/2003	-563.4	-6.5
WOOL19	418751	6216597	37803	37987	1/07/2003	1/01/2004	-646.7	-7.5
WOOL19	418751	6216597	37987	38169	1/01/2004	1/07/2004	-621.5	-7.2
WOOL19	418751	6216597	38169	38353	1/07/2004	1/01/2005	-670.9	-7.8
WOOL19	418751	6216597	38353	38534	1/01/2005	1/07/2005	-649.8	-7.5
WOOL19	418751	6216597	38534	38718	1/07/2005	1/01/2006	-657.6	-7.6
WOOL19	418751	6216597	38718	38899	1/01/2006	1/07/2006	-47.0	-0.5
WOOL19	418751	6216597	38899	39083	1/07/2006	1/01/2007	-378.1	-4.4
WOOL19	418751	6216597	39083	39264	1/01/2007	1/07/2007	-652.6	-7.6
WOOL19	418751	6216597	39264	39448	1/07/2007	1/01/2008	-339.9	-3.9
WOOL19	418751	6216597	39448	39630	1/01/2008	1/07/2008	-581.3	-6.7
WOOL19	418751	6216597	39630	39814	1/07/2008	1/01/2009	-655.1	-7.6
WOOL19	418751	6216597	39814	39995	1/01/2009	1/07/2009	-61.8	-0.7
WOOL19	418751	6216597	39995	40179	1/07/2009	1/01/2010	-477.3	-5.5
WOOL19	418751	6216597	40179	40360	1/01/2010	1/07/2010	-686.2	-7.9
WOOL19	418751	6216597	40360	40544	1/07/2010	1/01/2011	-685.6	-7.9
WOOL19	418751	6216597	40544	40725	1/01/2011	1/07/2011	-53.7	-0.6
WOOL19	418751	6216597	40725	40909	1/07/2011	1/01/2012	-597.3	-6.9
WOOL19	418751	6216597	40909	78164	1/01/2012	1/01/2114	-475.2	-5.5
WOOL20	417571	6216347	Steady state	10959	0/01/1900	1/01/1930	0.0	0.0
WOOL20	417571	6216347	10959	33239	-	1/01/1991	0.0	0.0
WOOL20	417571	6216347	33239	33420	1/01/1991	1/07/1991	-482.2	-5.6
WOOL20	417571	6216347	33420	33604	1/07/1991	1/01/1992	-340.6	-3.9
WOOL20	417571	6216347	33604	33786	1/01/1992	1/07/1992	-163.9	-1.9
WOOL20	417571	6216347	33786	33970	1/07/1992	1/01/1993	-442.0	-5.1
WOOL20	417571	6216347	33970	34151	1/01/1993	1/07/1993	-442.0	-5.1

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL20	417571	6216347	34151	34335	1/07/1993	1/01/1994	-442.0	-5.1
WOOL20	417571	6216347	34335	34516	1/01/1994	1/07/1994	-508.4	-5.9
WOOL20	417571	6216347	34516	34700	1/07/1994	1/01/1995	-508.4	-5.9
WOOL20	417571	6216347	34700	34881	1/01/1995	1/07/1995	-488.8	-5.7
WOOL20	417571	6216347	34881	35065	1/07/1995	1/01/1996	-488.8	-5.7
WOOL20	417571	6216347	35065	35247	1/01/1996	1/07/1996	-473.5	-5.5
WOOL20	417571	6216347	35247	35431	1/07/1996	1/01/1997	-473.5	-5.5
WOOL20	417571	6216347	35431	35612	1/01/1997	1/07/1997	-565.5	-6.5
WOOL20	417571	6216347	35612	35796	1/07/1997	1/01/1998	-565.5	-6.5
WOOL20	417571	6216347	35796	35977	1/01/1998	1/07/1998	-441.6	-5.1
WOOL20	417571	6216347	35977	36161	1/07/1998	1/01/1999	-441.6	-5.1
WOOL20	417571	6216347	36161	36342	1/01/1999	1/07/1999	-510.7	-5.9
WOOL20	417571	6216347	36342	36526	1/07/1999	1/01/2000	-510.7	-5.9
WOOL20	417571	6216347	36526	36708	1/01/2000	1/07/2000	-579.3	-6.7
WOOL20	417571	6216347	36708	36892	1/07/2000	1/01/2001	-579.3	-6.7
WOOL20	417571	6216347	36892	37073	1/01/2001	1/07/2001	-518.2	-6.0
WOOL20	417571	6216347	37073	37257	1/07/2001	1/01/2002	-518.2	-6.0
WOOL20	417571	6216347	37257	37438	1/01/2002	1/07/2002	-312.7	-3.6
WOOL20	417571	6216347	37438	37622	1/07/2002	1/01/2003	-312.7	-3.6
WOOL20	417571	6216347	37622	37803	1/01/2003	1/07/2003	-494.5	-5.7
WOOL20	417571	6216347	37803	37987	1/07/2003	1/01/2004	-501.5	-5.8
WOOL20	417571	6216347	37987	38169	1/01/2004	1/07/2004	-515.4	-6.0
WOOL20	417571	6216347	38169	38353	1/07/2004	1/01/2005	-565.2	-6.5
WOOL20	417571	6216347	38353	38534	1/01/2005	1/07/2005	-543.2	-6.3
WOOL20	417571	6216347	38534	38718	1/07/2005	1/01/2006	-561.0	-6.5
WOOL20	417571	6216347	38718	38899	1/01/2006	1/07/2006	-291.9	-3.4
WOOL20	417571	6216347	38899	39083	1/07/2006	1/01/2007	-353.2	-4.1
WOOL20	417571	6216347	39083	39264	1/01/2007	1/07/2007	-404.1	-4.7
WOOL20	417571	6216347	39264	39448	1/07/2007	1/01/2008	-561.8	-6.5
WOOL20	417571	6216347	39448	39630	1/01/2008	1/07/2008	-463.4	-5.4
WOOL20	417571	6216347	39630	39814	1/07/2008	1/01/2009	-266.7	-3.1
WOOL20	417571	6216347	39814	39995	1/01/2009	1/07/2009	-114.1	-1.3
WOOL20	417571	6216347	39995	40179	1/07/2009	1/01/2010	-386.4	-4.5
WOOL20	417571	6216347	40179	40360	1/01/2010	1/07/2010	-588.8	-6.8
WOOL20	417571	6216347	40360	40544	1/07/2010	1/01/2011	-587.3	-6.8
WOOL20	417571	6216347	40544	40725	1/01/2011	1/07/2011	-37.6	-0.4
WOOL20	417571	6216347	40725	40909	1/07/2011	1/01/2012	-566.6	-6.6
WOOL20	417571	6216347	40909	78164	1/01/2012	1/01/2114	-475.2	-5.5
WOOL21	416421	6216367	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL21	416421	6216367	33239	33420	1/01/1991	1/07/1991	-508.6	-5.9
WOOL21	416421	6216367	33420	33604	1/07/1991	1/01/1992	-571.4	-6.6
WOOL21	416421	6216367	33604	33786	1/01/1992	1/07/1992	-242.8	-2.8
WOOL21	416421	6216367	33786	33970	1/07/1992	1/01/1993	-211.2	-2.4
WOOL21	416421	6216367	33970	34151	1/01/1993	1/07/1993	-200.4	-2.3
WOOL21	416421	6216367	34151	34335	1/07/1993	1/01/1994	-200.4	-2.3
WOOL21	416421	6216367	34335	34516	1/01/1994	1/07/1994	-341.4	-4.0

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL21	416421	6216367	34516	34700	1/07/1994	1/01/1995	-341.4	-4.0
WOOL21	416421	6216367	34700	34881	1/01/1995	1/07/1995	-357.9	-4.1
WOOL21	416421	6216367	34881	35065	1/07/1995	1/01/1996	-357.9	-4.1
WOOL21	416421	6216367	35065	35247	1/01/1996	1/07/1996	-352.9	-4.1
WOOL21	416421	6216367	35247	35431	1/07/1996	1/01/1997	-352.9	-4.1
WOOL21	416421	6216367	35431	35612	1/01/1997	1/07/1997	-413.6	-4.8
WOOL21	416421	6216367	35612	35796	1/07/1997	1/01/1998	-413.6	-4.8
WOOL21	416421	6216367	35796	35977	1/01/1998	1/07/1998	-399.5	-4.6
WOOL21	416421	6216367	35977	36161	1/07/1998	1/01/1999	-399.5	-4.6
WOOL21	416421	6216367	36161	36342	1/01/1999	1/07/1999	-433.8	-5.0
WOOL21	416421	6216367	36342	36526	1/07/1999	1/01/2000	-433.8	-5.0
WOOL21	416421	6216367	36526	36708	1/01/2000	1/07/2000	-394.5	-4.6
WOOL21	416421	6216367	36708	36892	1/07/2000	1/01/2001	-394.5	-4.6
WOOL21	416421	6216367	36892	37073	1/01/2001	1/07/2001	-288.4	-3.3
WOOL21	416421	6216367	37073	37257	1/07/2001	1/01/2002	-288.4	-3.3
WOOL21	416421	6216367	37257	37438	1/01/2002	1/07/2002	-356.3	-4.1
WOOL21	416421	6216367	37438	37622	1/07/2002	1/01/2003	-356.3	-4.1
WOOL21	416421	6216367	37622	37803	1/01/2003	1/07/2003	-470.8	-5.4
WOOL21	416421	6216367	37803	37987	1/07/2003	1/01/2004	-551.1	-6.4
WOOL21	416421	6216367	37987	38169	1/01/2004	1/07/2004	-530.2	-6.1
WOOL21	416421	6216367	38169	38353	1/07/2004	1/01/2005	-441.2	-5.1
WOOL21	416421	6216367	38353	38534	1/01/2005	1/07/2005	-506.3	-5.9
WOOL21	416421	6216367	38534	38718	1/07/2005	1/01/2006	-523.6	-6.1
WOOL21	416421	6216367	38718	38899	1/01/2006	1/07/2006	-269.8	-3.1
WOOL21	416421	6216367	38899	39083	1/07/2006	1/01/2007	-465.8	-5.4
WOOL21	416421	6216367	39083	39264	1/01/2007	1/07/2007	-478.5	-5.5
WOOL21	416421	6216367	39264	39448	1/07/2007	1/01/2008	-565.3	-6.5
WOOL21	416421	6216367	39448	39630	1/01/2008	1/07/2008	-429.3	-5.0
WOOL21	416421	6216367	39630	39814	1/07/2008	1/01/2009	-487.7	-5.6
WOOL21	416421	6216367	39814	39995	1/01/2009	1/07/2009	-266.8	-3.1
WOOL21	416421	6216367	39995	40179	1/07/2009	1/01/2010	-549.5	-6.4
WOOL21	416421	6216367	40179	40360	1/01/2010	1/07/2010	-561.3	-6.5
WOOL21	416421	6216367	40360	40544	1/07/2010	1/01/2011	-564.0	-6.5
WOOL21	416421	6216367	40544	40725	1/01/2011	1/07/2011	-43.4	-0.5
WOOL21	416421	6216367	40725	40909	1/07/2011	1/01/2012	-497.2	-5.8
WOOL21	416421	6216367	40909	78164	1/01/2012	1/01/2114	-423.4	-4.9
WOOL22	415141	6216387	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL22	415141	6216387	33239	33420	1/01/1991	1/07/1991	-316.5	-3.7
WOOL22	415141	6216387	33420	33604	1/07/1991	1/01/1992	-270.6	-3.1
WOOL22	415141	6216387	33604	33786	1/01/1992	1/07/1992	-108.6	-1.3
WOOL22	415141	6216387	33786	33970	1/07/1992	1/01/1993	-101.8	-1.2
WOOL22	415141	6216387	33970	34151	1/01/1993	1/07/1993	-269.1	-3.1
WOOL22	415141	6216387	34151	34335	1/07/1993	1/01/1994	-269.1	-3.1
WOOL22	415141	6216387	34335	34516	1/01/1994	1/07/1994	-328.5	-3.8
WOOL22	415141	6216387	34516	34700	1/07/1994	1/01/1995	-328.5	-3.8
WOOL22	415141	6216387	34700	34881	1/01/1995	1/07/1995	-316.7	-3.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL22	415141	6216387	34881	35065	1/07/1995	1/01/1996	-316.7	-3.7
WOOL22	415141	6216387	35065	35247	1/01/1996	1/07/1996	-289.6	-3.4
WOOL22	415141	6216387	35247	35431	1/07/1996	1/01/1997	-289.6	-3.4
WOOL22	415141	6216387	35431	35612	1/01/1997	1/07/1997	-289.2	-3.3
WOOL22	415141	6216387	35612	35796	1/07/1997	1/01/1998	-289.2	-3.3
WOOL22	415141	6216387	35796	35977	1/01/1998	1/07/1998	-293.8	-3.4
WOOL22	415141	6216387	35977	36161	1/07/1998	1/01/1999	-293.8	-3.4
WOOL22	415141	6216387	36161	36342	1/01/1999	1/07/1999	-338.1	-3.9
WOOL22	415141	6216387	36342	36526	1/07/1999	1/01/2000	-338.1	-3.9
WOOL22	415141	6216387	36526	36708	1/01/2000	1/07/2000	-383.8	-4.4
WOOL22	415141	6216387	36708	36892	1/07/2000	1/01/2001	-383.8	-4.4
WOOL22	415141	6216387	36892	37073	1/01/2001	1/07/2001	-343.5	-4.0
WOOL22	415141	6216387	37073	37257	1/07/2001	1/01/2002	-343.5	-4.0
WOOL22	415141	6216387	37257	37438	1/01/2002	1/07/2002	-321.5	-3.7
WOOL22	415141	6216387	37438	37622	1/07/2002	1/01/2003	-321.5	-3.7
WOOL22	415141	6216387	37622	37803	1/01/2003	1/07/2003	-305.1	-3.5
WOOL22	415141	6216387	37803	37987	1/07/2003	1/01/2004	-288.1	-3.3
WOOL22	415141	6216387	37987	38169	1/01/2004	1/07/2004	-263.1	-3.0
WOOL22	415141	6216387	38169	38353	1/07/2004	1/01/2005	-359.3	-4.2
WOOL22	415141	6216387	38353	38534	1/01/2005	1/07/2005	-356.5	-4.1
WOOL22	415141	6216387	38534	38718	1/07/2005	1/01/2006	-367.9	-4.3
WOOL22	415141	6216387	38718	38899	1/01/2006	1/07/2006	-190.9	-2.2
WOOL22	415141	6216387	38899	39083	1/07/2006	1/01/2007	-374.8	-4.3
WOOL22	415141	6216387	39083	39264	1/01/2007	1/07/2007	-279.7	-3.2
WOOL22	415141	6216387	39264	39448	1/07/2007	1/01/2008	-391.8	-4.5
WOOL22	415141	6216387	39448	39630	1/01/2008	1/07/2008	-375.7	-4.3
WOOL22	415141	6216387	39630	39814	1/07/2008	1/01/2009	-395.8	-4.6
WOOL22	415141	6216387	39814	39995	1/01/2009	1/07/2009	-377.3	-4.4
WOOL22	415141	6216387	39995	40179	1/07/2009	1/01/2010	-351.3	-4.1
WOOL22	415141	6216387	40179	40360	1/01/2010	1/07/2010	-368.3	-4.3
WOOL22	415141	6216387	40360	40544	1/07/2010	1/01/2011	-292.2	-3.4
WOOL22	415141	6216387	40544	40725	1/01/2011	1/07/2011	-28.0	-0.3
WOOL22	415141	6216387	40725	40909	1/07/2011	1/01/2012	-285.5	-3.3
WOOL22	415141	6216387	40909	78164	1/01/2012	1/01/2114	-302.4	-3.5
WOOL23	413966	6216277	Steady state	33239	Steady state	1/01/1991	0.0	0.0
WOOL23	413966	6216277	33239	33420	1/01/1991	1/07/1991	-343.9	-4.0
WOOL23	413966	6216277	33420	33604	1/07/1991	1/01/1992	-330.8	-3.8
WOOL23	413966	6216277	33604	33786	1/01/1992	1/07/1992	-205.4	-2.4
WOOL23	413966	6216277	33786	33970	1/07/1992	1/01/1993	-189.1	-2.2
WOOL23	413966	6216277	33970	34151	1/01/1993	1/07/1993	-189.1	-2.2
WOOL23	413966	6216277	34151	34335	1/07/1993	1/01/1994	-189.1	-2.2
WOOL23	413966	6216277	34335	34516	1/01/1994	1/07/1994	-273.1	-3.2
WOOL23	413966	6216277	34516	34700	1/07/1994	1/01/1995	-273.1	-3.2
WOOL23	413966	6216277	34700	34881	1/01/1995	1/07/1995	-274.2	-3.2
WOOL23	413966	6216277	34881	35065	1/07/1995	1/01/1996	-274.2	-3.2
WOOL23	413966	6216277	35065	35247	1/01/1996	1/07/1996	-248.5	-2.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL23	413966	6216277	35247	35431	1/07/1996	1/01/1997	-248.5	-2.9
WOOL23	413966	6216277	35431	35612	1/01/1997	1/07/1997	-248.2	-2.9
WOOL23	413966	6216277	35612	35796	1/07/1997	1/01/1998	-248.2	-2.9
WOOL23	413966	6216277	35796	35977	1/01/1998	1/07/1998	-165.5	-1.9
WOOL23	413966	6216277	35977	36161	1/07/1998	1/01/1999	-165.5	-1.9
WOOL23	413966	6216277	36161	36342	1/01/1999	1/07/1999	-222.3	-2.6
WOOL23	413966	6216277	36342	36526	1/07/1999	1/01/2000	-222.3	-2.6
WOOL23	413966	6216277	36526	36708	1/01/2000	1/07/2000	-218.7	-2.5
WOOL23	413966	6216277	36708	36892	1/07/2000	1/01/2001	-218.7	-2.5
WOOL23	413966	6216277	36892	37073	1/01/2001	1/07/2001	-225.9	-2.6
WOOL23	413966	6216277	37073	37257	1/07/2001	1/01/2002	-225.9	-2.6
WOOL23	413966	6216277	37257	37438	1/01/2002	1/07/2002	-223.1	-2.6
WOOL23	413966	6216277	37438	37622	1/07/2002	1/01/2003	-223.1	-2.6
WOOL23	413966	6216277	37622	37803	1/01/2003	1/07/2003	-239.6	-2.8
WOOL23	413966	6216277	37803	37987	1/07/2003	1/01/2004	-304.9	-3.5
WOOL23	413966	6216277	37987	38169	1/01/2004	1/07/2004	-295.6	-3.4
WOOL23	413966	6216277	38169	38353	1/07/2004	1/01/2005	-336.7	-3.9
WOOL23	413966	6216277	38353	38534	1/01/2005	1/07/2005	-242.3	-2.8
WOOL23	413966	6216277	38534	38718	1/07/2005	1/01/2006	-323.1	-3.7
WOOL23	413966	6216277	38718	38899	1/01/2006	1/07/2006	-150.9	-1.7
WOOL23	413966	6216277	38899	39083	1/07/2006	1/01/2007	-364.7	-4.2
WOOL23	413966	6216277	39083	39264	1/01/2007	1/07/2007	-355.5	-4.1
WOOL23	413966	6216277	39264	39448	1/07/2007	1/01/2008	-353.2	-4.1
WOOL23	413966	6216277	39448	39630	1/01/2008	1/07/2008	-361.9	-4.2
WOOL23	413966	6216277	39630	39814	1/07/2008	1/01/2009	-351.2	-4.1
WOOL23	413966	6216277	39814	39995	1/01/2009	1/07/2009	-375.1	-4.3
WOOL23	413966	6216277	39995	40179	1/07/2009	1/01/2010	-370.9	-4.3
WOOL23	413966	6216277	40179	40360	1/01/2010	1/07/2010	-114.1	-1.3
WOOL23	413966	6216277	40360	40544	1/07/2010	1/01/2011	-153.9	-1.8
WOOL23	413966	6216277	40544	40725	1/01/2011	1/07/2011	-17.9	-0.2
WOOL23	413966	6216277	40725	40909	1/07/2011	1/01/2012	-198.0	-2.3
WOOL23	413966	6216277	40909	78164	1/01/2012	1/01/2114	-216.0	-2.5
WOOL24	412631	6216467	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL24	412631	6216467	33239	33420	1/01/1991	1/07/1991	-344.7	-4.0
WOOL24	412631	6216467	33420	33604	1/07/1991	1/01/1992	-348.8	-4.0
WOOL24	412631	6216467	33604	33786	1/01/1992	1/07/1992	-278.4	-3.2
WOOL24	412631	6216467	33786	33970	1/07/1992	1/01/1993	-266.6	-3.1
WOOL24	412631	6216467	33970	34151	1/01/1993	1/07/1993	-266.6	-3.1
WOOL24	412631	6216467	34151	34335	1/07/1993	1/01/1994	-266.6	-3.1
WOOL24	412631	6216467	34335	34516	1/01/1994	1/07/1994	-246.9	-2.9
WOOL24	412631	6216467	34516	34700	1/07/1994	1/01/1995	-246.9	-2.9
WOOL24	412631	6216467	34700	34881	1/01/1995	1/07/1995	-234.5	-2.7
WOOL24	412631	6216467	34881	35065	1/07/1995	1/01/1996	-234.5	-2.7
WOOL24	412631	6216467	35065	35247	1/01/1996	1/07/1996	-243.2	-2.8
WOOL24	412631	6216467	35247	35431	1/07/1996	1/01/1997	-243.2	-2.8
WOOL24	412631	6216467	35431	35612	1/01/1997	1/07/1997	-249.1	-2.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL24	412631	6216467	35612	35796	1/07/1997	1/01/1998	-249.1	-2.9
WOOL24	412631	6216467	35796	35977	1/01/1998	1/07/1998	-216.1	-2.5
WOOL24	412631	6216467	35977	36161	1/07/1998	1/01/1999	-216.1	-2.5
WOOL24	412631	6216467	36161	36342	1/01/1999	1/07/1999	-227.5	-2.6
WOOL24	412631	6216467	36342	36526	1/07/1999	1/01/2000	-227.5	-2.6
WOOL24	412631	6216467	36526	36708	1/01/2000	1/07/2000	-251.3	-2.9
WOOL24	412631	6216467	36708	36892	1/07/2000	1/01/2001	-251.3	-2.9
WOOL24	412631	6216467	36892	37073	1/01/2001	1/07/2001	-228.8	-2.6
WOOL24	412631	6216467	37073	37257	1/07/2001	1/01/2002	-228.8	-2.6
WOOL24	412631	6216467	37257	37438	1/01/2002	1/07/2002	-210.9	-2.4
WOOL24	412631	6216467	37438	37622	1/07/2002	1/01/2003	-210.9	-2.4
WOOL24	412631	6216467	37622	37803	1/01/2003	1/07/2003	-215.5	-2.5
WOOL24	412631	6216467	37803	37987	1/07/2003	1/01/2004	-139.5	-1.6
WOOL24	412631	6216467	37987	38169	1/01/2004	1/07/2004	-328.5	-3.8
WOOL24	412631	6216467	38169	38353	1/07/2004	1/01/2005	-304.7	-3.5
WOOL24	412631	6216467	38353	38534	1/01/2005	1/07/2005	-208.6	-2.4
WOOL24	412631	6216467	38534	38718	1/07/2005	1/01/2006	-97.2	-1.1
WOOL24	412631	6216467	38718	38899	1/01/2006	1/07/2006	-229.5	-2.7
WOOL24	412631	6216467	38899	39083	1/07/2006	1/01/2007	-137.8	-1.6
WOOL24	412631	6216467	39083	39264	1/01/2007	1/07/2007	-49.7	-0.6
WOOL24	412631	6216467	39264	39448	1/07/2007	1/01/2008	-10.2	-0.1
WOOL24	412631	6216467	39448	39630	1/01/2008	1/07/2008	-19.6	-0.2
WOOL24	412631	6216467	39630	39814	1/07/2008	1/01/2009	-215.3	-2.5
WOOL24	412631	6216467	39814	39995	1/01/2009	1/07/2009	-356.6	-4.1
WOOL24	412631	6216467	39995	40179	1/07/2009	1/01/2010	-348.5	-4.0
WOOL24	412631	6216467	40179	40360	1/01/2010	1/07/2010	-326.2	-3.8
WOOL24	412631	6216467	40360	40544	1/07/2010	1/01/2011	-277.8	-3.2
WOOL24	412631	6216467	40544	40725	1/01/2011	1/07/2011	-25.6	-0.3
WOOL24	412631	6216467	40725	40909	1/07/2011	1/01/2012	-274.7	-3.2
WOOL24	412631	6216467	40909	78164	1/01/2012	1/01/2114	-300.5	-3.5
WOOL25	438271	6221277	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL25	438271	6221277	33604	33786	1/01/1992	1/07/1992	-418.3	-4.8
WOOL25	438271	6221277	33786	33970	1/07/1992	1/01/1993	-389.8	-4.5
WOOL25	438271	6221277	33970	34151	1/01/1993	1/07/1993	-387.3	-4.5
WOOL25	438271	6221277	34151	34335	1/07/1993	1/01/1994	-387.3	-4.5
WOOL25	438271	6221277	34335	34516	1/01/1994	1/07/1994	-370.2	-4.3
WOOL25	438271	6221277	34516	34700	1/07/1994	1/01/1995	-370.2	-4.3
WOOL25	438271	6221277	34700	34881	1/01/1995	1/07/1995	-380.2	-4.4
WOOL25	438271	6221277	34881	35065	1/07/1995	1/01/1996	-380.2	-4.4
WOOL25	438271	6221277	35065	35247	1/01/1996	1/07/1996	-413.8	-4.8
WOOL25	438271	6221277	35247	35431	1/07/1996	1/01/1997	-413.8	-4.8
WOOL25	438271	6221277	35431	35612	1/01/1997	1/07/1997	-477.1	-5.5
WOOL25	438271	6221277	35612	35796	1/07/1997	1/01/1998	-477.1	-5.5
WOOL25	438271	6221277	35796	35977	1/01/1998	1/07/1998	-309.3	-3.6
WOOL25	438271	6221277	35977	36161	1/07/1998	1/01/1999	-309.3	-3.6
WOOL25	438271	6221277	36161	36342	1/01/1999	1/07/1999	-251.8	-2.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL25	438271	6221277	36342	36526	1/07/1999	1/01/2000	-251.8	-2.9
WOOL25	438271	6221277	36526	36708	1/01/2000	1/07/2000	-456.6	-5.3
WOOL25	438271	6221277	36708	36892	1/07/2000	1/01/2001	-456.6	-5.3
WOOL25	438271	6221277	36892	37073	1/01/2001	1/07/2001	-338.6	-3.9
WOOL25	438271	6221277	37073	37257	1/07/2001	1/01/2002	-338.6	-3.9
WOOL25	438271	6221277	37257	37438	1/01/2002	1/07/2002	-424.5	-4.9
WOOL25	438271	6221277	37438	37622	1/07/2002	1/01/2003	-424.5	-4.9
WOOL25	438271	6221277	37622	37803	1/01/2003	1/07/2003	-159.3	-1.8
WOOL25	438271	6221277	37803	37987	1/07/2003	1/01/2004	-410.8	-4.8
WOOL25	438271	6221277	37987	38169	1/01/2004	1/07/2004	-270.4	-3.1
WOOL25	438271	6221277	38169	38353	1/07/2004	1/01/2005	-317.8	-3.7
WOOL25	438271	6221277	38353	38534	1/01/2005	1/07/2005	-330.5	-3.8
WOOL25	438271	6221277	38534	38718	1/07/2005	1/01/2006	-328.5	-3.8
WOOL25	438271	6221277	38718	38899	1/01/2006	1/07/2006	-178.9	-2.1
WOOL25	438271	6221277	38899	39083	1/07/2006	1/01/2007	-227.9	-2.6
WOOL25	438271	6221277	39083	39264	1/01/2007	1/07/2007	-491.8	-5.7
WOOL25	438271	6221277	39264	39448	1/07/2007	1/01/2008	-457.1	-5.3
WOOL25	438271	6221277	39448	39630	1/01/2008	1/07/2008	-550.7	-6.4
WOOL25	438271	6221277	39630	39814	1/07/2008	1/01/2009	-308.9	-3.6
WOOL25	438271	6221277	39814	39995	1/01/2009	1/07/2009	-246.7	-2.9
WOOL25	438271	6221277	39995	40179	1/07/2009	1/01/2010	-287.7	-3.3
WOOL25	438271	6221277	40179	40360	1/01/2010	1/07/2010	-380.0	-4.4
WOOL25	438271	6221277	40360	40544	1/07/2010	1/01/2011	-483.2	-5.6
WOOL25	438271	6221277	40544	40725	1/01/2011	1/07/2011	-124.1	-1.4
WOOL25	438271	6221277	40725	40909	1/07/2011	1/01/2012	-526.6	-6.1
WOOL25	438271	6221277	40909	78164	1/01/2012	1/01/2114	-302.3	-3.5
WOOL26	437221	6220627	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL26	437221	6220627	33604	33786	1/01/1992	1/07/1992	-374.9	-4.3
WOOL26	437221	6220627	33786	33970	1/07/1992	1/01/1993	-356.7	-4.1
WOOL26	437221	6220627	33970	34151	1/01/1993	1/07/1993	-356.7	-4.1
WOOL26	437221	6220627	34151	34335	1/07/1993	1/01/1994	-356.7	-4.1
WOOL26	437221	6220627	34335	34516	1/01/1994	1/07/1994	-270.0	-3.1
WOOL26	437221	6220627	34516	34700	1/07/1994	1/01/1995	-270.0	-3.1
WOOL26	437221	6220627	34700	34881	1/01/1995	1/07/1995	-284.9	-3.3
WOOL26	437221	6220627	34881	35065	1/07/1995	1/01/1996	-284.9	-3.3
WOOL26	437221	6220627	35065	35247	1/01/1996	1/07/1996	-432.0	-5.0
WOOL26	437221	6220627	35247	35431	1/07/1996	1/01/1997	-432.0	-5.0
WOOL26	437221	6220627	35431	35612	1/01/1997	1/07/1997	-452.7	-5.2
WOOL26	437221	6220627	35612	35796	1/07/1997	1/01/1998	-452.7	-5.2
WOOL26	437221	6220627	35796	35977	1/01/1998	1/07/1998	-314.1	-3.6
WOOL26	437221	6220627	35977	36161	1/07/1998	1/01/1999	-314.1	-3.6
WOOL26	437221	6220627	36161	36342	1/01/1999	1/07/1999	-396.3	-4.6
WOOL26	437221	6220627	36342	36526	1/07/1999	1/01/2000	-396.3	-4.6
WOOL26	437221	6220627	36526	36708	1/01/2000	1/07/2000	-390.7	-4.5
WOOL26	437221	6220627	36708	36892	1/07/2000	1/01/2001	-390.7	-4.5
WOOL26	437221	6220627	36892	37073	1/01/2001	1/07/2001	-306.8	-3.6

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL26	437221	6220627	37073	37257	1/07/2001	1/01/2002	-306.8	-3.6
WOOL26	437221	6220627	37257	37438	1/01/2002	1/07/2002	-208.1	-2.4
WOOL26	437221	6220627	37438	37622	1/07/2002	1/01/2003	-208.1	-2.4
WOOL26	437221	6220627	37622	37803	1/01/2003	1/07/2003	-91.3	-1.1
WOOL26	437221	6220627	37803	37987	1/07/2003	1/01/2004	-428.1	-5.0
WOOL26	437221	6220627	37987	38169	1/01/2004	1/07/2004	-304.2	-3.5
WOOL26	437221	6220627	38169	38353	1/07/2004	1/01/2005	-315.1	-3.6
WOOL26	437221	6220627	38353	38534	1/01/2005	1/07/2005	-340.8	-3.9
WOOL26	437221	6220627	38534	38718	1/07/2005	1/01/2006	-439.4	-5.1
WOOL26	437221	6220627	38718	38899	1/01/2006	1/07/2006	-282.4	-3.3
WOOL26	437221	6220627	38899	39083	1/07/2006	1/01/2007	-174.3	-2.0
WOOL26	437221	6220627	39083	39264	1/01/2007	1/07/2007	-199.2	-2.3
WOOL26	437221	6220627	39264	39448	1/07/2007	1/01/2008	-327.8	-3.8
WOOL26	437221	6220627	39448	39630	1/01/2008	1/07/2008	-498.3	-5.8
WOOL26	437221	6220627	39630	39814	1/07/2008	1/01/2009	-349.4	-4.0
WOOL26	437221	6220627	39814	39995	1/01/2009	1/07/2009	-430.4	-5.0
WOOL26	437221	6220627	39995	40179	1/07/2009	1/01/2010	-320.8	-3.7
WOOL26	437221	6220627	40179	40360	1/01/2010	1/07/2010	-381.7	-4.4
WOOL26	437221	6220627	40360	40544	1/07/2010	1/01/2011	-471.5	-5.5
WOOL26	437221	6220627	40544	40725	1/01/2011	1/07/2011	-132.1	-1.5
WOOL26	437221	6220627	40725	40909	1/07/2011	1/01/2012	-302.6	-3.5
WOOL26	437221	6220627	40909	78164	1/01/2012	1/01/2114	-349.4	-4.0
WOOL27	436221	6219727	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL27	436221	6219727	33604	33786	1/01/1992	1/07/1992	-331.1	-3.8
WOOL27	436221	6219727	33786	33970	1/07/1992	1/01/1993	-294.5	-3.4
WOOL27	436221	6219727	33970	34151	1/01/1993	1/07/1993	-286.6	-3.3
WOOL27	436221	6219727	34151	34335	1/07/1993	1/01/1994	-286.6	-3.3
WOOL27	436221	6219727	34335	34516	1/01/1994	1/07/1994	-281.5	-3.3
WOOL27	436221	6219727	34516	34700	1/07/1994	1/01/1995	-281.5	-3.3
WOOL27	436221	6219727	34700	34881	1/01/1995	1/07/1995	-267.2	-3.1
WOOL27	436221	6219727	34881	35065	1/07/1995	1/01/1996	-267.2	-3.1
WOOL27	436221	6219727	35065	35247	1/01/1996	1/07/1996	-306.2	-3.5
WOOL27	436221	6219727	35247	35431	1/07/1996	1/01/1997	-306.2	-3.5
WOOL27	436221	6219727	35431	35612	1/01/1997	1/07/1997	-437.4	-5.1
WOOL27	436221	6219727	35612	35796	1/07/1997	1/01/1998	-437.4	-5.1
WOOL27	436221	6219727	35796	35977	1/01/1998	1/07/1998	-323.0	-3.7
WOOL27	436221	6219727	35977	36161	1/07/1998	1/01/1999	-323.0	-3.7
WOOL27	436221	6219727	36161	36342	1/01/1999	1/07/1999	-428.1	-5.0
WOOL27	436221	6219727	36342	36526	1/07/1999	1/01/2000	-428.1	-5.0
WOOL27	436221	6219727	36526	36708	1/01/2000	1/07/2000	-303.6	-3.5
WOOL27	436221	6219727	36708	36892	1/07/2000	1/01/2001	-303.6	-3.5
WOOL27	436221	6219727	36892	37073	1/01/2001	1/07/2001	-252.2	-2.9
WOOL27	436221	6219727	37073	37257	1/07/2001	1/01/2002	-252.2	-2.9
WOOL27	436221	6219727	37257	37438	1/01/2002	1/07/2002	-229.5	-2.7
WOOL27	436221	6219727	37438	37622	1/07/2002	1/01/2003	-229.5	-2.7
WOOL27	436221	6219727	37622	37803	1/01/2003	1/07/2003	-365.8	-4.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL27	436221	6219727	37803	37987	1/07/2003	1/01/2004	-366.4	-4.2
WOOL27	436221	6219727	37987	38169	1/01/2004	1/07/2004	-296.9	-3.4
WOOL27	436221	6219727	38169	38353	1/07/2004	1/01/2005	-199.0	-2.3
WOOL27	436221	6219727	38353	38534	1/01/2005	1/07/2005	-346.0	-4.0
WOOL27	436221	6219727	38534	38718	1/07/2005	1/01/2006	-339.1	-3.9
WOOL27	436221	6219727	38718	38899	1/01/2006	1/07/2006	-38.3	-0.4
WOOL27	436221	6219727	38899	39083	1/07/2006	1/01/2007	-285.5	-3.3
WOOL27	436221	6219727	39083	39264	1/01/2007	1/07/2007	-152.6	-1.8
WOOL27	436221	6219727	39264	39448	1/07/2007	1/01/2008	-332.1	-3.8
WOOL27	436221	6219727	39448	39630	1/01/2008	1/07/2008	-258.3	-3.0
WOOL27	436221	6219727	39630	39814	1/07/2008	1/01/2009	-348.2	-4.0
WOOL27	436221	6219727	39814	39995	1/01/2009	1/07/2009	-281.5	-3.3
WOOL27	436221	6219727	39995	40179	1/07/2009	1/01/2010	-253.3	-2.9
WOOL27	436221	6219727	40179	40360	1/01/2010	1/07/2010	-167.0	-1.9
WOOL27	436221	6219727	40360	40544	1/07/2010	1/01/2011	-388.7	-4.5
WOOL27	436221	6219727	40544	40725	1/01/2011	1/07/2011	-148.2	-1.7
WOOL27	436221	6219727	40725	40909	1/07/2011	1/01/2012	-405.1	-4.7
WOOL27	436221	6219727	40909	78164	1/01/2012	1/01/2114	-215.5	-2.5
WOOL28	434541	6219027	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL28	434541	6219027	33604	33786	1/01/1992	1/07/1992	-475.2	-5.5
WOOL28	434541	6219027	33786	33970	1/07/1992	1/01/1993	-382.6	-4.4
WOOL28	434541	6219027	33970	34151	1/01/1993	1/07/1993	-337.2	-3.9
WOOL28	434541	6219027	34151	34335	1/07/1993	1/01/1994	-337.2	-3.9
WOOL28	434541	6219027	34335	34516	1/01/1994	1/07/1994	-273.3	-3.2
WOOL28	434541	6219027	34516	34700	1/07/1994	1/01/1995	-273.3	-3.2
WOOL28	434541	6219027	34700	34881	1/01/1995	1/07/1995	-295.9	-3.4
WOOL28	434541	6219027	34881	35065	1/07/1995	1/01/1996	-295.9	-3.4
WOOL28	434541	6219027	35065	35247	1/01/1996	1/07/1996	-433.7	-5.0
WOOL28	434541	6219027	35247	35431	1/07/1996	1/01/1997	-433.7	-5.0
WOOL28	434541	6219027	35431	35612	1/01/1997	1/07/1997	-439.2	-5.1
WOOL28	434541	6219027	35612	35796	1/07/1997	1/01/1998	-439.2	-5.1
WOOL28	434541	6219027	35796	35977	1/01/1998	1/07/1998	-246.6	-2.9
WOOL28	434541	6219027	35977	36161	1/07/1998	1/01/1999	-246.6	-2.9
WOOL28	434541	6219027	36161	36342	1/01/1999	1/07/1999	-434.9	-5.0
WOOL28	434541	6219027	36342	36526	1/07/1999	1/01/2000	-434.9	-5.0
WOOL28	434541	6219027	36526	36708	1/01/2000	1/07/2000	-389.0	-4.5
WOOL28	434541	6219027	36708	36892	1/07/2000	1/01/2001	-389.0	-4.5
WOOL28	434541	6219027	36892	37073	1/01/2001	1/07/2001	-380.5	-4.4
WOOL28	434541	6219027	37073	37257	1/07/2001	1/01/2002	-380.5	-4.4
WOOL28	434541	6219027	37257	37438	1/01/2002	1/07/2002	-320.5	-3.7
WOOL28	434541	6219027	37438	37622	1/07/2002	1/01/2003	-320.5	-3.7
WOOL28	434541	6219027	37622	37803	1/01/2003	1/07/2003	-331.6	-3.8
WOOL28	434541	6219027	37803	37987	1/07/2003	1/01/2004	-511.5	-5.9
WOOL28	434541	6219027	37987	38169	1/01/2004	1/07/2004	-186.2	-2.2
WOOL28	434541	6219027	38169	38353	1/07/2004	1/01/2005	-282.7	-3.3
WOOL28	434541	6219027	38353	38534	1/01/2005	1/07/2005	-330.0	-3.8

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL28	434541	6219027	38534	38718	1/07/2005	1/01/2006	-464.0	-5.4
WOOL28	434541	6219027	38718	38899	1/01/2006	1/07/2006	-333.2	-3.9
WOOL28	434541	6219027	38899	39083	1/07/2006	1/01/2007	-64.6	-0.7
WOOL28	434541	6219027	39083	39264	1/01/2007	1/07/2007	-381.7	-4.4
WOOL28	434541	6219027	39264	39448	1/07/2007	1/01/2008	-220.5	-2.6
WOOL28	434541	6219027	39448	39630	1/01/2008	1/07/2008	-290.5	-3.4
WOOL28	434541	6219027	39630	39814	1/07/2008	1/01/2009	-652.2	-7.5
WOOL28	434541	6219027	39814	39995	1/01/2009	1/07/2009	-570.2	-6.6
WOOL28	434541	6219027	39995	40179	1/07/2009	1/01/2010	-621.9	-7.2
WOOL28	434541	6219027	40179	40360	1/01/2010	1/07/2010	-578.6	-6.7
WOOL28	434541	6219027	40360	40544	1/07/2010	1/01/2011	-529.2	-6.1
WOOL28	434541	6219027	40544	40725	1/01/2011	1/07/2011	-18.1	-0.2
WOOL28	434541	6219027	40725	40909	1/07/2011	1/01/2012	-422.3	-4.9
WOOL28	434541	6219027	40909	78164	1/01/2012	1/01/2114	-441.4	-5.1
WOOL29	432891	6219457	Steady state	33604	-	1/01/1992	0.0	0.0
WOOL29	432891	6219457	33604	33786	1/01/1992	1/07/1992	-370.4	-4.3
WOOL29	432891	6219457	33786	33970	1/07/1992	1/01/1993	-289.1	-3.3
WOOL29	432891	6219457	33970	34151	1/01/1993	1/07/1993	-260.0	-3.0
WOOL29	432891	6219457	34151	34335	1/07/1993	1/01/1994	-260.0	-3.0
WOOL29	432891	6219457	34335	34516	1/01/1994	1/07/1994	-277.5	-3.2
WOOL29	432891	6219457	34516	34700	1/07/1994	1/01/1995	-277.5	-3.2
WOOL29	432891	6219457	34700	34881	1/01/1995	1/07/1995	-257.6	-3.0
WOOL29	432891	6219457	34881	35065	1/07/1995	1/01/1996	-257.6	-3.0
WOOL29	432891	6219457	35065	35247	1/01/1996	1/07/1996	-499.2	-5.8
WOOL29	432891	6219457	35247	35431	1/07/1996	1/01/1997	-499.2	-5.8
WOOL29	432891	6219457	35431	35612	1/01/1997	1/07/1997	-409.2	-4.7
WOOL29	432891	6219457	35612	35796	1/07/1997	1/01/1998	-409.2	-4.7
WOOL29	432891	6219457	35796	35977	1/01/1998	1/07/1998	-399.9	-4.6
WOOL29	432891	6219457	35977	36161	1/07/1998	1/01/1999	-399.9	-4.6
WOOL29	432891	6219457	36161	36342	1/01/1999	1/07/1999	-409.0	-4.7
WOOL29	432891	6219457	36342	36526	1/07/1999	1/01/2000	-409.0	-4.7
WOOL29	432891	6219457	36526	36708	1/01/2000	1/07/2000	-509.4	-5.9
WOOL29	432891	6219457	36708	36892	1/07/2000	1/01/2001	-509.4	-5.9
WOOL29	432891	6219457	36892	37073	1/01/2001	1/07/2001	-472.6	-5.5
WOOL29	432891	6219457	37073	37257	1/07/2001	1/01/2002	-472.6	-5.5
WOOL29	432891	6219457	37257	37438	1/01/2002	1/07/2002	-364.1	-4.2
WOOL29	432891	6219457	37438	37622	1/07/2002	1/01/2003	-364.1	-4.2
WOOL29	432891	6219457	37622	37803	1/01/2003	1/07/2003	-281.1	-3.3
WOOL29	432891	6219457	37803	37987	1/07/2003	1/01/2004	-342.4	-4.0
WOOL29	432891	6219457	37987	38169	1/01/2004	1/07/2004	-178.4	-2.1
WOOL29	432891	6219457	38169	38353	1/07/2004	1/01/2005	-84.2	-1.0
WOOL29	432891	6219457	38353	38534	1/01/2005	1/07/2005	-900.5	-10.4
WOOL29	432891	6219457	38534	38718	1/07/2005	1/01/2006	-199.5	-2.3
WOOL29	432891	6219457	38718	38899	1/01/2006	1/07/2006	-178.2	-2.1
WOOL29	432891	6219457	38899	39083	1/07/2006	1/01/2007	-281.1	-3.3
WOOL29	432891	6219457	39083	39264	1/01/2007	1/07/2007	-114.7	-1.3

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL29	432891	6219457	39264	39448	1/07/2007	1/01/2008	-342.9	-4.0
WOOL29	432891	6219457	39448	39630	1/01/2008	1/07/2008	-356.6	-4.1
WOOL29	432891	6219457	39630	39814	1/07/2008	1/01/2009	-84.9	-1.0
WOOL29	432891	6219457	39814	39995	1/01/2009	1/07/2009	-275.4	-3.2
WOOL29	432891	6219457	39995	40179	1/07/2009	1/01/2010	-163.2	-1.9
WOOL29	432891	6219457	40179	40360	1/01/2010	1/07/2010	-404.7	-4.7
WOOL29	432891	6219457	40360	40544	1/07/2010	1/01/2011	-286.0	-3.3
WOOL29	432891	6219457	40544	40725	1/01/2011	1/07/2011	-111.8	-1.3
WOOL29	432891	6219457	40725	40909	1/07/2011	1/01/2012	-453.8	-5.3
WOOL29	432891	6219457	40909	78164	1/01/2012	1/01/2114	-345.6	-4.0
WOOL30	431861	6219637	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL30	431861	6219637	33239	33420	1/01/1991	1/07/1991	-597.4	-6.9
WOOL30	431861	6219637	33420	33604	1/07/1991	1/01/1992	-570.9	-6.6
WOOL30	431861	6219637	33604	33786	1/01/1992	1/07/1992	-366.7	-4.2
WOOL30	431861	6219637	33786	33970	1/07/1992	1/01/1993	-335.4	-3.9
WOOL30	431861	6219637	33970	34151	1/01/1993	1/07/1993	-325.0	-3.8
WOOL30	431861	6219637	34151	34335	1/07/1993	1/01/1994	-325.0	-3.8
WOOL30	431861	6219637	34335	34516	1/01/1994	1/07/1994	-409.3	-4.7
WOOL30	431861	6219637	34516	34700	1/07/1994	1/01/1995	-409.3	-4.7
WOOL30	431861	6219637	34700	34881	1/01/1995	1/07/1995	-301.4	-3.5
WOOL30	431861	6219637	34881	35065	1/07/1995	1/01/1996	-301.4	-3.5
WOOL30	431861	6219637	35065	35247	1/01/1996	1/07/1996	-278.5	-3.2
WOOL30	431861	6219637	35247	35431	1/07/1996	1/01/1997	-278.5	-3.2
WOOL30	431861	6219637	35431	35612	1/01/1997	1/07/1997	-441.4	-5.1
WOOL30	431861	6219637	35612	35796	1/07/1997	1/01/1998	-441.4	-5.1
WOOL30	431861	6219637	35796	35977	1/01/1998	1/07/1998	-233.5	-2.7
WOOL30	431861	6219637	35977	36161	1/07/1998	1/01/1999	-233.5	-2.7
WOOL30	431861	6219637	36161	36342	1/01/1999	1/07/1999	-183.5	-2.1
WOOL30	431861	6219637	36342	36526	1/07/1999	1/01/2000	-183.5	-2.1
WOOL30	431861	6219637	36526	36708	1/01/2000	1/07/2000	-494.0	-5.7
WOOL30	431861	6219637	36708	36892	1/07/2000	1/01/2001	-494.0	-5.7
WOOL30	431861	6219637	36892	37073	1/01/2001	1/07/2001	-315.9	-3.7
WOOL30	431861	6219637	37073	37257	1/07/2001	1/01/2002	-315.9	-3.7
WOOL30	431861	6219637	37257	37438	1/01/2002	1/07/2002	-230.5	-2.7
WOOL30	431861	6219637	37438	37622	1/07/2002	1/01/2003	-230.5	-2.7
WOOL30	431861	6219637	37622	37803	1/01/2003	1/07/2003	-295.2	-3.4
WOOL30	431861	6219637	37803	37987	1/07/2003	1/01/2004	-122.1	-1.4
WOOL30	431861	6219637	37987	38169	1/01/2004	1/07/2004	-231.4	-2.7
WOOL30	431861	6219637	38169	38353	1/07/2004	1/01/2005	-290.4	-3.4
WOOL30	431861	6219637	38353	38534	1/01/2005	1/07/2005	-423.7	-4.9
WOOL30	431861	6219637	38534	38718	1/07/2005	1/01/2006	-311.5	-3.6
WOOL30	431861	6219637	38718	38899	1/01/2006	1/07/2006	-317.5	-3.7
WOOL30	431861	6219637	38899	39083	1/07/2006	1/01/2007	-274.8	-3.2
WOOL30	431861	6219637	39083	39264	1/01/2007	1/07/2007	-140.6	-1.6
WOOL30	431861	6219637	39264	39448	1/07/2007	1/01/2008	-132.3	-1.5
WOOL30	431861	6219637	39448	39630	1/01/2008	1/07/2008	-334.0	-3.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL30	431861	6219637	39630	39814	1/07/2008	1/01/2009	-314.3	-3.6
WOOL30	431861	6219637	39814	39995	1/01/2009	1/07/2009	-99.1	-1.1
WOOL30	431861	6219637	39995	40179	1/07/2009	1/01/2010	-40.4	-0.5
WOOL30	431861	6219637	40179	40360	1/01/2010	1/07/2010	-329.7	-3.8
WOOL30	431861	6219637	40360	40544	1/07/2010	1/01/2011	-217.8	-2.5
WOOL30	431861	6219637	40544	40725	1/01/2011	1/07/2011	-30.0	-0.3
WOOL30	431861	6219637	40725	40909	1/07/2011	1/01/2012	-174.4	-2.0
WOOL30	431861	6219637	40909	78164	1/01/2012	1/01/2114	-121.3	-1.4
WOOL31	430741	6219297	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL31	430741	6219297	33239	33420	1/01/1991	1/07/1991	-393.4	-4.6
WOOL31	430741	6219297	33420	33604	1/07/1991	1/01/1992	-449.4	-5.2
WOOL31	430741	6219297	33604	33786	1/01/1992	1/07/1992	-342.6	-4.0
WOOL31	430741	6219297	33786	33970	1/07/1992	1/01/1993	-284.9	-3.3
WOOL31	430741	6219297	33970	34151	1/01/1993	1/07/1993	-284.9	-3.3
WOOL31	430741	6219297	34151	34335	1/07/1993	1/01/1994	-284.9	-3.3
WOOL31	430741	6219297	34335	34516	1/01/1994	1/07/1994	-336.4	-3.9
WOOL31	430741	6219297	34516	34700	1/07/1994	1/01/1995	-336.4	-3.9
WOOL31	430741	6219297	34700	34881	1/01/1995	1/07/1995	-358.5	-4.1
WOOL31	430741	6219297	34881	35065	1/07/1995	1/01/1996	-358.5	-4.1
WOOL31	430741	6219297	35065	35247	1/01/1996	1/07/1996	-360.0	-4.2
WOOL31	430741	6219297	35247	35431	1/07/1996	1/01/1997	-360.0	-4.2
WOOL31	430741	6219297	35431	35612	1/01/1997	1/07/1997	-430.2	-5.0
WOOL31	430741	6219297	35612	35796	1/07/1997	1/01/1998	-430.2	-5.0
WOOL31	430741	6219297	35796	35977	1/01/1998	1/07/1998	-350.2	-4.1
WOOL31	430741	6219297	35977	36161	1/07/1998	1/01/1999	-350.2	-4.1
WOOL31	430741	6219297	36161	36342	1/01/1999	1/07/1999	-329.0	-3.8
WOOL31	430741	6219297	36342	36526	1/07/1999	1/01/2000	-329.0	-3.8
WOOL31	430741	6219297	36526	36708	1/01/2000	1/07/2000	-403.9	-4.7
WOOL31	430741	6219297	36708	36892	1/07/2000	1/01/2001	-403.9	-4.7
WOOL31	430741	6219297	36892	37073	1/01/2001	1/07/2001	-345.9	-4.0
WOOL31	430741	6219297	37073	37257	1/07/2001	1/01/2002	-345.9	-4.0
WOOL31	430741	6219297	37257	37438	1/01/2002	1/07/2002	-326.8	-3.8
WOOL31	430741	6219297	37438	37622	1/07/2002	1/01/2003	-326.8	-3.8
WOOL31	430741	6219297	37622	37803	1/01/2003	1/07/2003	-335.9	-3.9
WOOL31	430741	6219297	37803	37987	1/07/2003	1/01/2004	-338.0	-3.9
WOOL31	430741	6219297	37987	38169	1/01/2004	1/07/2004	-285.0	-3.3
WOOL31	430741	6219297	38169	38353	1/07/2004	1/01/2005	-13.8	-0.2
WOOL31	430741	6219297	38353	38534	1/01/2005	1/07/2005	-134.4	-1.6
WOOL31	430741	6219297	38534	38718	1/07/2005	1/01/2006	-321.4	-3.7
WOOL31	430741	6219297	38718	38899	1/01/2006	1/07/2006	-214.4	-2.5
WOOL31	430741	6219297	38899	39083	1/07/2006	1/01/2007	-197.2	-2.3
WOOL31	430741	6219297	39083	39264	1/01/2007	1/07/2007	-250.3	-2.9
WOOL31	430741	6219297	39264	39448	1/07/2007	1/01/2008	-135.2	-1.6
WOOL31	430741	6219297	39448	39630	1/01/2008	1/07/2008	-216.9	-2.5
WOOL31	430741	6219297	39630	39814	1/07/2008	1/01/2009	-228.2	-2.6
WOOL31	430741	6219297	39814	39995	1/01/2009	1/07/2009	-10.3	-0.1

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL31	430741	6219297	39995	40179	1/07/2009	1/01/2010	-178.9	-2.1
WOOL31	430741	6219297	40179	40360	1/01/2010	1/07/2010	-166.3	-1.9
WOOL31	430741	6219297	40360	40544	1/07/2010	1/01/2011	-330.8	-3.8
WOOL31	430741	6219297	40544	40725	1/01/2011	1/07/2011	-77.9	-0.9
WOOL31	430741	6219297	40725	40909	1/07/2011	1/01/2012	-307.6	-3.6
WOOL31	430741	6219297	40909	78164	1/01/2012	1/01/2114	-145.0	-1.7
WOOL32	429501	6219647	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL32	429501	6219647	33239	33420	1/01/1991	1/07/1991	-383.2	-4.4
WOOL32	429501	6219647	33420	33604	1/07/1991	1/01/1992	-484.2	-5.6
WOOL32	429501	6219647	33604	33786	1/01/1992	1/07/1992	-371.2	-4.3
WOOL32	429501	6219647	33786	33970	1/07/1992	1/01/1993	-302.5	-3.5
WOOL32	429501	6219647	33970	34151	1/01/1993	1/07/1993	-272.8	-3.2
WOOL32	429501	6219647	34151	34335	1/07/1993	1/01/1994	-272.8	-3.2
WOOL32	429501	6219647	34335	34516	1/01/1994	1/07/1994	-364.1	-4.2
WOOL32	429501	6219647	34516	34700	1/07/1994	1/01/1995	-364.1	-4.2
WOOL32	429501	6219647	34700	34881	1/01/1995	1/07/1995	-475.2	-5.5
WOOL32	429501	6219647	34881	35065	1/07/1995	1/01/1996	-475.2	-5.5
WOOL32	429501	6219647	35065	35247	1/01/1996	1/07/1996	-548.9	-6.4
WOOL32	429501	6219647	35247	35431	1/07/1996	1/01/1997	-548.9	-6.4
WOOL32	429501	6219647	35431	35612	1/01/1997	1/07/1997	-392.8	-4.5
WOOL32	429501	6219647	35612	35796	1/07/1997	1/01/1998	-392.8	-4.5
WOOL32	429501	6219647	35796	35977	1/01/1998	1/07/1998	-251.2	-2.9
WOOL32	429501	6219647	35977	36161	1/07/1998	1/01/1999	-251.2	-2.9
WOOL32	429501	6219647	36161	36342	1/01/1999	1/07/1999	-330.5	-3.8
WOOL32	429501	6219647	36342	36526	1/07/1999	1/01/2000	-330.5	-3.8
WOOL32	429501	6219647	36526	36708	1/01/2000	1/07/2000	-425.4	-4.9
WOOL32	429501	6219647	36708	36892	1/07/2000	1/01/2001	-425.4	-4.9
WOOL32	429501	6219647	36892	37073	1/01/2001	1/07/2001	-425.2	-4.9
WOOL32	429501	6219647	37073	37257	1/07/2001	1/01/2002	-425.2	-4.9
WOOL32	429501	6219647	37257	37438	1/01/2002	1/07/2002	-349.6	-4.0
WOOL32	429501	6219647	37438	37622	1/07/2002	1/01/2003	-349.6	-4.0
WOOL32	429501	6219647	37622	37803	1/01/2003	1/07/2003	-334.5	-3.9
WOOL32	429501	6219647	37803	37987	1/07/2003	1/01/2004	-288.5	-3.3
WOOL32	429501	6219647	37987	38169	1/01/2004	1/07/2004	-324.9	-3.8
WOOL32	429501	6219647	38169	38353	1/07/2004	1/01/2005	-366.9	-4.2
WOOL32	429501	6219647	38353	38534	1/01/2005	1/07/2005	-248.0	-2.9
WOOL32	429501	6219647	38534	38718	1/07/2005	1/01/2006	-424.2	-4.9
WOOL32	429501	6219647	38718	38899	1/01/2006	1/07/2006	-500.3	-5.8
WOOL32	429501	6219647	38899	39083	1/07/2006	1/01/2007	-590.0	-6.8
WOOL32	429501	6219647	39083	39264	1/01/2007	1/07/2007	-546.3	-6.3
WOOL32	429501	6219647	39264	39448	1/07/2007	1/01/2008	-507.3	-5.9
WOOL32	429501	6219647	39448	39630	1/01/2008	1/07/2008	-421.7	-4.9
WOOL32	429501	6219647	39630	39814	1/07/2008	1/01/2009	-574.7	-6.7
WOOL32	429501	6219647	39814	39995	1/01/2009	1/07/2009	-393.5	-4.6
WOOL32	429501	6219647	39995	40179	1/07/2009	1/01/2010	-537.1	-6.2
WOOL32	429501	6219647	40179	40360	1/01/2010	1/07/2010	-553.7	-6.4

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL32	429501	6219647	40360	40544	1/07/2010	1/01/2011	-352.1	-4.1
WOOL32	429501	6219647	40544	40725	1/01/2011	1/07/2011	-147.3	-1.7
WOOL32	429501	6219647	40725	40909	1/07/2011	1/01/2012	-305.2	-3.5
WOOL32	429501	6219647	40909	78164	1/01/2012	1/01/2114	-345.6	-4.0
WOOL33	428181	6219647	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL33	428181	6219647	33239	33420	1/01/1991	1/07/1991	-681.0	-7.9
WOOL33	428181	6219647	33420	33604	1/07/1991	1/01/1992	-831.2	-9.6
WOOL33	428181	6219647	33604	33786	1/01/1992	1/07/1992	-638.7	-7.4
WOOL33	428181	6219647	33786	33970	1/07/1992	1/01/1993	-607.5	-7.0
WOOL33	428181	6219647	33970	34151	1/01/1993	1/07/1993	-597.9	-6.9
WOOL33	428181	6219647	34151	34335	1/07/1993	1/01/1994	-597.9	-6.9
WOOL33	428181	6219647	34335	34516	1/01/1994	1/07/1994	-561.8	-6.5
WOOL33	428181	6219647	34516	34700	1/07/1994	1/01/1995	-561.8	-6.5
WOOL33	428181	6219647	34700	34881	1/01/1995	1/07/1995	-598.6	-6.9
WOOL33	428181	6219647	34881	35065	1/07/1995	1/01/1996	-598.6	-6.9
WOOL33	428181	6219647	35065	35247	1/01/1996	1/07/1996	-684.2	-7.9
WOOL33	428181	6219647	35247	35431	1/07/1996	1/01/1997	-684.2	-7.9
WOOL33	428181	6219647	35431	35612	1/01/1997	1/07/1997	-487.9	-5.6
WOOL33	428181	6219647	35612	35796	1/07/1997	1/01/1998	-487.9	-5.6
WOOL33	428181	6219647	35796	35977	1/01/1998	1/07/1998	-573.5	-6.6
WOOL33	428181	6219647	35977	36161	1/07/1998	1/01/1999	-573.5	-6.6
WOOL33	428181	6219647	36161	36342	1/01/1999	1/07/1999	-599.8	-6.9
WOOL33	428181	6219647	36342	36526	1/07/1999	1/01/2000	-599.8	-6.9
WOOL33	428181	6219647	36526	36708	1/01/2000	1/07/2000	-676.7	-7.8
WOOL33	428181	6219647	36708	36892	1/07/2000	1/01/2001	-676.7	-7.8
WOOL33	428181	6219647	36892	37073	1/01/2001	1/07/2001	-560.3	-6.5
WOOL33	428181	6219647	37073	37257	1/07/2001	1/01/2002	-560.3	-6.5
WOOL33	428181	6219647	37257	37438	1/01/2002	1/07/2002	-484.9	-5.6
WOOL33	428181	6219647	37438	37622	1/07/2002	1/01/2003	-484.9	-5.6
WOOL33	428181	6219647	37622	37803	1/01/2003	1/07/2003	-551.3	-6.4
WOOL33	428181	6219647	37803	37987	1/07/2003	1/01/2004	-441.8	-5.1
WOOL33	428181	6219647	37987	38169	1/01/2004	1/07/2004	-349.2	-4.0
WOOL33	428181	6219647	38169	38353	1/07/2004	1/01/2005	-474.2	-5.5
WOOL33	428181	6219647	38353	38534	1/01/2005	1/07/2005	-554.6	-6.4
WOOL33	428181	6219647	38534	38718	1/07/2005	1/01/2006	-545.6	-6.3
WOOL33	428181	6219647	38718	38899	1/01/2006	1/07/2006	-707.5	-8.2
WOOL33	428181	6219647	38899	39083	1/07/2006	1/01/2007	-599.8	-6.9
WOOL33	428181	6219647	39083	39264	1/01/2007	1/07/2007	-549.8	-6.4
WOOL33	428181	6219647	39264	39448	1/07/2007	1/01/2008	-737.6	-8.5
WOOL33	428181	6219647	39448	39630	1/01/2008	1/07/2008	-126.5	-1.5
WOOL33	428181	6219647	39630	39814	1/07/2008	1/01/2009	-53.3	-0.6
WOOL33	428181	6219647	39814	39995	1/01/2009	1/07/2009	-333.5	-3.9
WOOL33	428181	6219647	39995	40179	1/07/2009	1/01/2010	-124.7	-1.4
WOOL33	428181	6219647	40179	40360	1/01/2010	1/07/2010	-158.7	-1.8
WOOL33	428181	6219647	40360	40544	1/07/2010	1/01/2011	-524.0	-6.1
WOOL33	428181	6219647	40544	40725	1/01/2011	1/07/2011	-197.9	-2.3

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL33	428181	6219647	40725	40909	1/07/2011	1/01/2012	-710.0	-8.2
WOOL33	428181	6219647	40909	78164	1/01/2012	1/01/2114	-518.4	-6.0
WOOL34	427191	6220207	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL34	427191	6220207	33239	33420	1/01/1991	1/07/1991	-500.7	-5.8
WOOL34	427191	6220207	33420	33604	1/07/1991	1/01/1992	-680.7	-7.9
WOOL34	427191	6220207	33604	33786	1/01/1992	1/07/1992	-586.8	-6.8
WOOL34	427191	6220207	33786	33970	1/07/1992	1/01/1993	-485.8	-5.6
WOOL34	427191	6220207	33970	34151	1/01/1993	1/07/1993	-473.4	-5.5
WOOL34	427191	6220207	34151	34335	1/07/1993	1/01/1994	-473.4	-5.5
WOOL34	427191	6220207	34335	34516	1/01/1994	1/07/1994	-528.8	-6.1
WOOL34	427191	6220207	34516	34700	1/07/1994	1/01/1995	-528.8	-6.1
WOOL34	427191	6220207	34700	34881	1/01/1995	1/07/1995	-521.8	-6.0
WOOL34	427191	6220207	34881	35065	1/07/1995	1/01/1996	-521.8	-6.0
WOOL34	427191	6220207	35065	35247	1/01/1996	1/07/1996	-593.0	-6.9
WOOL34	427191	6220207	35247	35431	1/07/1996	1/01/1997	-593.0	-6.9
WOOL34	427191	6220207	35431	35612	1/01/1997	1/07/1997	-584.1	-6.8
WOOL34	427191	6220207	35612	35796	1/07/1997	1/01/1998	-584.1	-6.8
WOOL34	427191	6220207	35796	35977	1/01/1998	1/07/1998	-419.6	-4.9
WOOL34	427191	6220207	35977	36161	1/07/1998	1/01/1999	-419.6	-4.9
WOOL34	427191	6220207	36161	36342	1/01/1999	1/07/1999	-423.6	-4.9
WOOL34	427191	6220207	36342	36526	1/07/1999	1/01/2000	-423.6	-4.9
WOOL34	427191	6220207	36526	36708	1/01/2000	1/07/2000	-489.3	-5.7
WOOL34	427191	6220207	36708	36892	1/07/2000	1/01/2001	-489.3	-5.7
WOOL34	427191	6220207	36892	37073	1/01/2001	1/07/2001	-432.3	-5.0
WOOL34	427191	6220207	37073	37257	1/07/2001	1/01/2002	-432.3	-5.0
WOOL34	427191	6220207	37257	37438	1/01/2002	1/07/2002	-480.0	-5.6
WOOL34	427191	6220207	37438	37622	1/07/2002	1/01/2003	-480.0	-5.6
WOOL34	427191	6220207	37622	37803	1/01/2003	1/07/2003	-345.7	-4.0
WOOL34	427191	6220207	37803	37987	1/07/2003	1/01/2004	-418.5	-4.8
WOOL34	427191	6220207	37987	38169	1/01/2004	1/07/2004	-211.9	-2.5
WOOL34	427191	6220207	38169	38353	1/07/2004	1/01/2005	-399.0	-4.6
WOOL34	427191	6220207	38353	38534	1/01/2005	1/07/2005	-435.9	-5.0
WOOL34	427191	6220207	38534	38718	1/07/2005	1/01/2006	-514.5	-6.0
WOOL34	427191	6220207	38718	38899	1/01/2006	1/07/2006	-222.6	-2.6
WOOL34	427191	6220207	38899	39083	1/07/2006	1/01/2007	-66.1	-0.8
WOOL34	427191	6220207	39083	39264	1/01/2007	1/07/2007	-414.1	-4.8
WOOL34	427191	6220207	39264	39448	1/07/2007	1/01/2008	-423.7	-4.9
WOOL34	427191	6220207	39448	39630	1/01/2008	1/07/2008	-555.5	-6.4
WOOL34	427191	6220207	39630	39814	1/07/2008	1/01/2009	-659.1	-7.6
WOOL34	427191	6220207	39814	39995	1/01/2009	1/07/2009	-623.9	-7.2
WOOL34	427191	6220207	39995	40179	1/07/2009	1/01/2010	-662.1	-7.7
WOOL34	427191	6220207	40179	40360	1/01/2010	1/07/2010	-536.5	-6.2
WOOL34	427191	6220207	40360	40544	1/07/2010	1/01/2011	-520.5	-6.0
WOOL34	427191	6220207	40544	40725	1/01/2011	1/07/2011	-177.6	-2.1
WOOL34	427191	6220207	40725	40909	1/07/2011	1/01/2012	-524.9	-6.1
WOOL34	427191	6220207	40909	78164	1/01/2012	1/01/2114	-345.6	-4.0

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL35	426251	6220557	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL35	426251	6220557	33239	33420	1/01/1991	1/07/1991	-699.8	-8.1
WOOL35	426251	6220557	33420	33604	1/07/1991	1/01/1992	-767.4	-8.9
WOOL35	426251	6220557	33604	33786	1/01/1992	1/07/1992	-687.3	-8.0
WOOL35	426251	6220557	33786	33970	1/07/1992	1/01/1993	-513.6	-5.9
WOOL35	426251	6220557	33970	34151	1/01/1993	1/07/1993	-502.4	-5.8
WOOL35	426251	6220557	34151	34335	1/07/1993	1/01/1994	-502.4	-5.8
WOOL35	426251	6220557	34335	34516	1/01/1994	1/07/1994	-472.2	-5.5
WOOL35	426251	6220557	34516	34700	1/07/1994	1/01/1995	-472.2	-5.5
WOOL35	426251	6220557	34700	34881	1/01/1995	1/07/1995	-429.9	-5.0
WOOL35	426251	6220557	34881	35065	1/07/1995	1/01/1996	-429.9	-5.0
WOOL35	426251	6220557	35065	35247	1/01/1996	1/07/1996	-462.1	-5.3
WOOL35	426251	6220557	35247	35431	1/07/1996	1/01/1997	-462.1	-5.3
WOOL35	426251	6220557	35431	35612	1/01/1997	1/07/1997	-462.1	-5.3
WOOL35	426251	6220557	35612	35796	1/07/1997	1/01/1998	-462.1	-5.3
WOOL35	426251	6220557	35796	35977	1/01/1998	1/07/1998	-298.9	-3.5
WOOL35	426251	6220557	35977	36161	1/07/1998	1/01/1999	-298.9	-3.5
WOOL35	426251	6220557	36161	36342	1/01/1999	1/07/1999	-352.8	-4.1
WOOL35	426251	6220557	36342	36526	1/07/1999	1/01/2000	-352.8	-4.1
WOOL35	426251	6220557	36526	36708	1/01/2000	1/07/2000	-296.3	-3.4
WOOL35	426251	6220557	36708	36892	1/07/2000	1/01/2001	-296.3	-3.4
WOOL35	426251	6220557	36892	37073	1/01/2001	1/07/2001	-438.3	-5.1
WOOL35	426251	6220557	37073	37257	1/07/2001	1/01/2002	-438.3	-5.1
WOOL35	426251	6220557	37257	37438	1/01/2002	1/07/2002	-392.5	-4.5
WOOL35	426251	6220557	37438	37622	1/07/2002	1/01/2003	-392.5	-4.5
WOOL35	426251	6220557	37622	37803	1/01/2003	1/07/2003	-424.5	-4.9
WOOL35	426251	6220557	37803	37987	1/07/2003	1/01/2004	-436.7	-5.1
WOOL35	426251	6220557	37987	38169	1/01/2004	1/07/2004	-474.3	-5.5
WOOL35	426251	6220557	38169	38353	1/07/2004	1/01/2005	-411.3	-4.8
WOOL35	426251	6220557	38353	38534	1/01/2005	1/07/2005	-451.6	-5.2
WOOL35	426251	6220557	38534	38718	1/07/2005	1/01/2006	-451.3	-5.2
WOOL35	426251	6220557	38718	38899	1/01/2006	1/07/2006	-218.8	-2.5
WOOL35	426251	6220557	38899	39083	1/07/2006	1/01/2007	-634.5	-7.3
WOOL35	426251	6220557	39083	39264	1/01/2007	1/07/2007	-1332.7	-15.4
WOOL35	426251	6220557	39264	39448	1/07/2007	1/01/2008	-594.0	-6.9
WOOL35	426251	6220557	39448	39630	1/01/2008	1/07/2008	-228.6	-2.6
WOOL35	426251	6220557	39630	39814	1/07/2008	1/01/2009	-449.9	-5.2
WOOL35	426251	6220557	39814	39995	1/01/2009	1/07/2009	-541.8	-6.3
WOOL35	426251	6220557	39995	40179	1/07/2009	1/01/2010	-424.6	-4.9
WOOL35	426251	6220557	40179	40360	1/01/2010	1/07/2010	-574.3	-6.6
WOOL35	426251	6220557	40360	40544	1/07/2010	1/01/2011	-280.1	-3.2
WOOL35	426251	6220557	40544	40725	1/01/2011	1/07/2011	-167.9	-1.9
WOOL35	426251	6220557	40725	40909	1/07/2011	1/01/2012	-554.1	-6.4
WOOL35	426251	6220557	40909	78164	1/01/2012	1/01/2114	-432.0	-5.0
WOOL36	425481	6220737	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL36	425481	6220737	33239	33420	1/01/1991	1/07/1991	-620.5	-7.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL36	425481	6220737	33420	33604	1/07/1991	1/01/1992	-748.3	-8.7
WOOL36	425481	6220737	33604	33786	1/01/1992	1/07/1992	-611.4	-7.1
WOOL36	425481	6220737	33786	33970	1/07/1992	1/01/1993	-514.9	-6.0
WOOL36	425481	6220737	33970	34151	1/01/1993	1/07/1993	-485.6	-5.6
WOOL36	425481	6220737	34151	34335	1/07/1993	1/01/1994	-485.6	-5.6
WOOL36	425481	6220737	34335	34516	1/01/1994	1/07/1994	-516.6	-6.0
WOOL36	425481	6220737	34516	34700	1/07/1994	1/01/1995	-516.6	-6.0
WOOL36	425481	6220737	34700	34881	1/01/1995	1/07/1995	-518.4	-6.0
WOOL36	425481	6220737	34881	35065	1/07/1995	1/01/1996	-518.4	-6.0
WOOL36	425481	6220737	35065	35247	1/01/1996	1/07/1996	-459.4	-5.3
WOOL36	425481	6220737	35247	35431	1/07/1996	1/01/1997	-459.4	-5.3
WOOL36	425481	6220737	35431	35612	1/01/1997	1/07/1997	-497.7	-5.8
WOOL36	425481	6220737	35612	35796	1/07/1997	1/01/1998	-497.7	-5.8
WOOL36	425481	6220737	35796	35977	1/01/1998	1/07/1998	-364.7	-4.2
WOOL36	425481	6220737	35977	36161	1/07/1998	1/01/1999	-364.7	-4.2
WOOL36	425481	6220737	36161	36342	1/01/1999	1/07/1999	-279.6	-3.2
WOOL36	425481	6220737	36342	36526	1/07/1999	1/01/2000	-279.6	-3.2
WOOL36	425481	6220737	36526	36708	1/01/2000	1/07/2000	-414.7	-4.8
WOOL36	425481	6220737	36708	36892	1/07/2000	1/01/2001	-414.7	-4.8
WOOL36	425481	6220737	36892	37073	1/01/2001	1/07/2001	-343.1	-4.0
WOOL36	425481	6220737	37073	37257	1/07/2001	1/01/2002	-343.1	-4.0
WOOL36	425481	6220737	37257	37438	1/01/2002	1/07/2002	-317.6	-3.7
WOOL36	425481	6220737	37438	37622	1/07/2002	1/01/2003	-317.6	-3.7
WOOL36	425481	6220737	37622	37803	1/01/2003	1/07/2003	-449.3	-5.2
WOOL36	425481	6220737	37803	37987	1/07/2003	1/01/2004	-435.9	-5.0
WOOL36	425481	6220737	37987	38169	1/01/2004	1/07/2004	-208.1	-2.4
WOOL36	425481	6220737	38169	38353	1/07/2004	1/01/2005	-309.9	-3.6
WOOL36	425481	6220737	38353	38534	1/01/2005	1/07/2005	-419.2	-4.9
WOOL36	425481	6220737	38534	38718	1/07/2005	1/01/2006	-425.3	-4.9
WOOL36	425481	6220737	38718	38899	1/01/2006	1/07/2006	-207.7	-2.4
WOOL36	425481	6220737	38899	39083	1/07/2006	1/01/2007	-207.2	-2.4
WOOL36	425481	6220737	39083	39264	1/01/2007	1/07/2007	-357.1	-4.1
WOOL36	425481	6220737	39264	39448	1/07/2007	1/01/2008	-542.5	-6.3
WOOL36	425481	6220737	39448	39630	1/01/2008	1/07/2008	-312.7	-3.6
WOOL36	425481	6220737	39630	39814	1/07/2008	1/01/2009	-461.5	-5.3
WOOL36	425481	6220737	39814	39995	1/01/2009	1/07/2009	-460.4	-5.3
WOOL36	425481	6220737	39995	40179	1/07/2009	1/01/2010	-195.3	-2.3
WOOL36	425481	6220737	40179	40360	1/01/2010	1/07/2010	-407.4	-4.7
WOOL36	425481	6220737	40360	40544	1/07/2010	1/01/2011	-502.1	-5.8
WOOL36	425481	6220737	40544	40725	1/01/2011	1/07/2011	-20.5	-0.2
WOOL36	425481	6220737	40725	40909	1/07/2011	1/01/2012	-264.3	-3.1
WOOL36	425481	6220737	40909	78164	1/01/2012	1/01/2114	-413.0	-4.8
WOOL37	424671	6220897	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL37	424671	6220897	33239	33420	1/01/1991	1/07/1991	-810.2	-9.4
WOOL37	424671	6220897	33420	33604	1/07/1991	1/01/1992	-786.0	-9.1
WOOL37	424671	6220897	33604	33786	1/01/1992	1/07/1992	-534.4	-6.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL37	424671	6220897	33786	33970	1/07/1992	1/01/1993	-509.2	-5.9
WOOL37	424671	6220897	33970	34151	1/01/1993	1/07/1993	-509.2	-5.9
WOOL37	424671	6220897	34151	34335	1/07/1993	1/01/1994	-509.2	-5.9
WOOL37	424671	6220897	34335	34516	1/01/1994	1/07/1994	-594.2	-6.9
WOOL37	424671	6220897	34516	34700	1/07/1994	1/01/1995	-594.2	-6.9
WOOL37	424671	6220897	34700	34881	1/01/1995	1/07/1995	-525.4	-6.1
WOOL37	424671	6220897	34881	35065	1/07/1995	1/01/1996	-525.4	-6.1
WOOL37	424671	6220897	35065	35247	1/01/1996	1/07/1996	-452.9	-5.2
WOOL37	424671	6220897	35247	35431	1/07/1996	1/01/1997	-452.9	-5.2
WOOL37	424671	6220897	35431	35612	1/01/1997	1/07/1997	-365.2	-4.2
WOOL37	424671	6220897	35612	35796	1/07/1997	1/01/1998	-365.2	-4.2
WOOL37	424671	6220897	35796	35977	1/01/1998	1/07/1998	-310.6	-3.6
WOOL37	424671	6220897	35977	36161	1/07/1998	1/01/1999	-310.6	-3.6
WOOL37	424671	6220897	36161	36342	1/01/1999	1/07/1999	-435.5	-5.0
WOOL37	424671	6220897	36342	36526	1/07/1999	1/01/2000	-435.5	-5.0
WOOL37	424671	6220897	36526	36708	1/01/2000	1/07/2000	-367.0	-4.2
WOOL37	424671	6220897	36708	36892	1/07/2000	1/01/2001	-367.0	-4.2
WOOL37	424671	6220897	36892	37073	1/01/2001	1/07/2001	-103.3	-1.2
WOOL37	424671	6220897	37073	37257	1/07/2001	1/01/2002	-103.3	-1.2
WOOL37	424671	6220897	37257	37438	1/01/2002	1/07/2002	-312.3	-3.6
WOOL37	424671	6220897	37438	37622	1/07/2002	1/01/2003	-312.3	-3.6
WOOL37	424671	6220897	37622	37803	1/01/2003	1/07/2003	-338.2	-3.9
WOOL37	424671	6220897	37803	37987	1/07/2003	1/01/2004	-332.2	-3.8
WOOL37	424671	6220897	37987	38169	1/01/2004	1/07/2004	-229.1	-2.7
WOOL37	424671	6220897	38169	38353	1/07/2004	1/01/2005	-83.4	-1.0
WOOL37	424671	6220897	38353	38534	1/01/2005	1/07/2005	-129.3	-1.5
WOOL37	424671	6220897	38534	38718	1/07/2005	1/01/2006	-244.5	-2.8
WOOL37	424671	6220897	38718	38899	1/01/2006	1/07/2006	-375.5	-4.3
WOOL37	424671	6220897	38899	39083	1/07/2006	1/01/2007	-219.3	-2.5
WOOL37	424671	6220897	39083	39264	1/01/2007	1/07/2007	-931.5	-10.8
WOOL37	424671	6220897	39264	39448	1/07/2007	1/01/2008	-328.7	-3.8
WOOL37	424671	6220897	39448	39630	1/01/2008	1/07/2008	-228.3	-2.6
WOOL37	424671	6220897	39630	39814	1/07/2008	1/01/2009	-153.5	-1.8
WOOL37	424671	6220897	39814	39995	1/01/2009	1/07/2009	-231.4	-2.7
WOOL37	424671	6220897	39995	40179	1/07/2009	1/01/2010	-345.0	-4.0
WOOL37	424671	6220897	40179	40360	1/01/2010	1/07/2010	-285.2	-3.3
WOOL37	424671	6220897	40360	40544	1/07/2010	1/01/2011	-200.6	-2.3
WOOL37	424671	6220897	40544	40725	1/01/2011	1/07/2011	-96.8	-1.1
WOOL37	424671	6220897	40725	40909	1/07/2011	1/01/2012	-334.1	-3.9
WOOL37	424671	6220897	40909	78164	1/01/2012	1/01/2114	-302.4	-3.5
WOOL38	423871	6220787	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL38	423871	6220787	33239	33420	1/01/1991	1/07/1991	-699.7	-8.1
WOOL38	423871	6220787	33420	33604	1/07/1991	1/01/1992	-825.9	-9.6
WOOL38	423871	6220787	33604	33786	1/01/1992	1/07/1992	-604.8	-7.0
WOOL38	423871	6220787	33786	33970	1/07/1992	1/01/1993	-563.6	-6.5
WOOL38	423871	6220787	33970	34151	1/01/1993	1/07/1993	-563.6	-6.5

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL38	423871	6220787	34151	34335	1/07/1993	1/01/1994	-563.6	-6.5
WOOL38	423871	6220787	34335	34516	1/01/1994	1/07/1994	-558.2	-6.5
WOOL38	423871	6220787	34516	34700	1/07/1994	1/01/1995	-558.2	-6.5
WOOL38	423871	6220787	34700	34881	1/01/1995	1/07/1995	-524.3	-6.1
WOOL38	423871	6220787	34881	35065	1/07/1995	1/01/1996	-524.3	-6.1
WOOL38	423871	6220787	35065	35247	1/01/1996	1/07/1996	-431.4	-5.0
WOOL38	423871	6220787	35247	35431	1/07/1996	1/01/1997	-431.4	-5.0
WOOL38	423871	6220787	35431	35612	1/01/1997	1/07/1997	-432.5	-5.0
WOOL38	423871	6220787	35612	35796	1/07/1997	1/01/1998	-432.5	-5.0
WOOL38	423871	6220787	35796	35977	1/01/1998	1/07/1998	-264.2	-3.1
WOOL38	423871	6220787	35977	36161	1/07/1998	1/01/1999	-264.2	-3.1
WOOL38	423871	6220787	36161	36342	1/01/1999	1/07/1999	-318.2	-3.7
WOOL38	423871	6220787	36342	36526	1/07/1999	1/01/2000	-318.2	-3.7
WOOL38	423871	6220787	36526	36708	1/01/2000	1/07/2000	-237.6	-2.7
WOOL38	423871	6220787	36708	36892	1/07/2000	1/01/2001	-237.6	-2.7
WOOL38	423871	6220787	36892	37073	1/01/2001	1/07/2001	-175.1	-2.0
WOOL38	423871	6220787	37073	37257	1/07/2001	1/01/2002	-175.1	-2.0
WOOL38	423871	6220787	37257	37438	1/01/2002	1/07/2002	-405.6	-4.7
WOOL38	423871	6220787	37438	37622	1/07/2002	1/01/2003	-405.6	-4.7
WOOL38	423871	6220787	37622	37803	1/01/2003	1/07/2003	-293.7	-3.4
WOOL38	423871	6220787	37803	37987	1/07/2003	1/01/2004	-238.6	-2.8
WOOL38	423871	6220787	37987	38169	1/01/2004	1/07/2004	-184.3	-2.1
WOOL38	423871	6220787	38169	38353	1/07/2004	1/01/2005	-381.7	-4.4
WOOL38	423871	6220787	38353	38534	1/01/2005	1/07/2005	-429.2	-5.0
WOOL38	423871	6220787	38534	38718	1/07/2005	1/01/2006	-252.0	-2.9
WOOL38	423871	6220787	38718	38899	1/01/2006	1/07/2006	-329.8	-3.8
WOOL38	423871	6220787	38899	39083	1/07/2006	1/01/2007	-296.3	-3.4
WOOL38	423871	6220787	39083	39264	1/01/2007	1/07/2007	-345.2	-4.0
WOOL38	423871	6220787	39264	39448	1/07/2007	1/01/2008	-255.5	-3.0
WOOL38	423871	6220787	39448	39630	1/01/2008	1/07/2008	-161.6	-1.9
WOOL38	423871	6220787	39630	39814	1/07/2008	1/01/2009	-72.8	-0.8
WOOL38	423871	6220787	39814	39995	1/01/2009	1/07/2009	-308.4	-3.6
WOOL38	423871	6220787	39995	40179	1/07/2009	1/01/2010	-363.4	-4.2
WOOL38	423871	6220787	40179	40360	1/01/2010	1/07/2010	-377.2	-4.4
WOOL38	423871	6220787	40360	40544	1/07/2010	1/01/2011	-319.2	-3.7
WOOL38	423871	6220787	40544	40725	1/01/2011	1/07/2011	-111.1	-1.3
WOOL38	423871	6220787	40725	40909	1/07/2011	1/01/2012	-389.4	-4.5
WOOL38	423871	6220787	40909	78164	1/01/2012	1/01/2114	-368.8	-4.3
WOOL39	423121	6220717	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL39	423121	6220717	33239	33420	1/01/1991	1/07/1991	-579.3	-6.7
WOOL39	423121	6220717	33420	33604	1/07/1991	1/01/1992	-572.4	-6.6
WOOL39	423121	6220717	33604	33786	1/01/1992	1/07/1992	-233.0	-2.7
WOOL39	423121	6220717	33786	33970	1/07/1992	1/01/1993	-205.5	-2.4
WOOL39	423121	6220717	33970	34151	1/01/1993	1/07/1993	-205.5	-2.4
WOOL39	423121	6220717	34151	34335	1/07/1993	1/01/1994	-205.5	-2.4
WOOL39	423121	6220717	34335	34516	1/01/1994	1/07/1994	-405.7	-4.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL39	423121	6220717	34516	34700	1/07/1994	1/01/1995	-405.7	-4.7
WOOL39	423121	6220717	34700	34881	1/01/1995	1/07/1995	-415.4	-4.8
WOOL39	423121	6220717	34881	35065	1/07/1995	1/01/1996	-415.4	-4.8
WOOL39	423121	6220717	35065	35247	1/01/1996	1/07/1996	-278.7	-3.2
WOOL39	423121	6220717	35247	35431	1/07/1996	1/01/1997	-278.7	-3.2
WOOL39	423121	6220717	35431	35612	1/01/1997	1/07/1997	-269.0	-3.1
WOOL39	423121	6220717	35612	35796	1/07/1997	1/01/1998	-269.0	-3.1
WOOL39	423121	6220717	35796	35977	1/01/1998	1/07/1998	-215.4	-2.5
WOOL39	423121	6220717	35977	36161	1/07/1998	1/01/1999	-215.4	-2.5
WOOL39	423121	6220717	36161	36342	1/01/1999	1/07/1999	-256.6	-3.0
WOOL39	423121	6220717	36342	36526	1/07/1999	1/01/2000	-256.6	-3.0
WOOL39	423121	6220717	36526	36708	1/01/2000	1/07/2000	-305.0	-3.5
WOOL39	423121	6220717	36708	36892	1/07/2000	1/01/2001	-305.0	-3.5
WOOL39	423121	6220717	36892	37073	1/01/2001	1/07/2001	-291.7	-3.4
WOOL39	423121	6220717	37073	37257	1/07/2001	1/01/2002	-291.7	-3.4
WOOL39	423121	6220717	37257	37438	1/01/2002	1/07/2002	-216.9	-2.5
WOOL39	423121	6220717	37438	37622	1/07/2002	1/01/2003	-216.9	-2.5
WOOL39	423121	6220717	37622	37803	1/01/2003	1/07/2003	-164.6	-1.9
WOOL39	423121	6220717	37803	37987	1/07/2003	1/01/2004	-78.4	-0.9
WOOL39	423121	6220717	37987	38169	1/01/2004	1/07/2004	-149.1	-1.7
WOOL39	423121	6220717	38169	38353	1/07/2004	1/01/2005	-265.8	-3.1
WOOL39	423121	6220717	38353	38534	1/01/2005	1/07/2005	-127.8	-1.5
WOOL39	423121	6220717	38534	38718	1/07/2005	1/01/2006	-161.3	-1.9
WOOL39	423121	6220717	38718	38899	1/01/2006	1/07/2006	-198.6	-2.3
WOOL39	423121	6220717	38899	39083	1/07/2006	1/01/2007	-153.3	-1.8
WOOL39	423121	6220717	39083	39264	1/01/2007	1/07/2007	-139.8	-1.6
WOOL39	423121	6220717	39264	39448	1/07/2007	1/01/2008	-209.6	-2.4
WOOL39	423121	6220717	39448	39630	1/01/2008	1/07/2008	-233.5	-2.7
WOOL39	423121	6220717	39630	39814	1/07/2008	1/01/2009	-313.5	-3.6
WOOL39	423121	6220717	39814	39995	1/01/2009	1/07/2009	-216.3	-2.5
WOOL39	423121	6220717	39995	40179	1/07/2009	1/01/2010	-230.5	-2.7
WOOL39	423121	6220717	40179	40360	1/01/2010	1/07/2010	-260.0	-3.0
WOOL39	423121	6220717	40360	40544	1/07/2010	1/01/2011	-228.1	-2.6
WOOL39	423121	6220717	40544	40725	1/01/2011	1/07/2011	-106.8	-1.2
WOOL39	423121	6220717	40725	40909	1/07/2011	1/01/2012	-309.0	-3.6
WOOL39	423121	6220717	40909	78164	1/01/2012	1/01/2114	-233.3	-2.7
WOOL40	422301	6220517	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL40	422301	6220517	33239	33420	1/01/1991	1/07/1991	-536.5	-6.2
WOOL40	422301	6220517	33420	33604	1/07/1991	1/01/1992	-541.6	-6.3
WOOL40	422301	6220517	33604	33786	1/01/1992	1/07/1992	-290.9	-3.4
WOOL40	422301	6220517	33786	33970	1/07/1992	1/01/1993	-266.5	-3.1
WOOL40	422301	6220517	33970	34151	1/01/1993	1/07/1993	-266.5	-3.1
WOOL40	422301	6220517	34151	34335	1/07/1993	1/01/1994	-266.5	-3.1
WOOL40	422301	6220517	34335	34516	1/01/1994	1/07/1994	-395.1	-4.6
WOOL40	422301	6220517	34516	34700	1/07/1994	1/01/1995	-395.1	-4.6
WOOL40	422301	6220517	34700	34881	1/01/1995	1/07/1995	-55.4	-0.6

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL40	422301	6220517	34881	35065	1/07/1995	1/01/1996	-55.4	-0.6
WOOL40	422301	6220517	35065	35247	1/01/1996	1/07/1996	-47.5	-0.6
WOOL40	422301	6220517	35247	35431	1/07/1996	1/01/1997	-47.5	-0.6
WOOL40	422301	6220517	35431	35612	1/01/1997	1/07/1997	-43.0	-0.5
WOOL40	422301	6220517	35612	35796	1/07/1997	1/01/1998	-43.0	-0.5
WOOL40	422301	6220517	35796	35977	1/01/1998	1/07/1998	-40.7	-0.5
WOOL40	422301	6220517	35977	36161	1/07/1998	1/01/1999	-40.7	-0.5
WOOL40	422301	6220517	36161	36342	1/01/1999	1/07/1999	-289.3	-3.3
WOOL40	422301	6220517	36342	36526	1/07/1999	1/01/2000	-289.3	-3.3
WOOL40	422301	6220517	36526	36708	1/01/2000	1/07/2000	-223.6	-2.6
WOOL40	422301	6220517	36708	36892	1/07/2000	1/01/2001	-223.6	-2.6
WOOL40	422301	6220517	36892	37073	1/01/2001	1/07/2001	-262.0	-3.0
WOOL40	422301	6220517	37073	37257	1/07/2001	1/01/2002	-262.0	-3.0
WOOL40	422301	6220517	37257	37438	1/01/2002	1/07/2002	-238.7	-2.8
WOOL40	422301	6220517	37438	37622	1/07/2002	1/01/2003	-238.7	-2.8
WOOL40	422301	6220517	37622	37803	1/01/2003	1/07/2003	-337.6	-3.9
WOOL40	422301	6220517	37803	37987	1/07/2003	1/01/2004	-352.2	-4.1
WOOL40	422301	6220517	37987	38169	1/01/2004	1/07/2004	-299.3	-3.5
WOOL40	422301	6220517	38169	38353	1/07/2004	1/01/2005	-279.1	-3.2
WOOL40	422301	6220517	38353	38534	1/01/2005	1/07/2005	-115.9	-1.3
WOOL40	422301	6220517	38534	38718	1/07/2005	1/01/2006	-145.1	-1.7
WOOL40	422301	6220517	38718	38899	1/01/2006	1/07/2006	-122.5	-1.4
WOOL40	422301	6220517	38899	39083	1/07/2006	1/01/2007	-413.9	-4.8
WOOL40	422301	6220517	39083	39264	1/01/2007	1/07/2007	-401.1	-4.6
WOOL40	422301	6220517	39264	39448	1/07/2007	1/01/2008	-391.5	-4.5
WOOL40	422301	6220517	39448	39630	1/01/2008	1/07/2008	-398.1	-4.6
WOOL40	422301	6220517	39630	39814	1/07/2008	1/01/2009	-389.3	-4.5
WOOL40	422301	6220517	39814	39995	1/01/2009	1/07/2009	-397.3	-4.6
WOOL40	422301	6220517	39995	40179	1/07/2009	1/01/2010	-371.4	-4.3
WOOL40	422301	6220517	40179	40360	1/01/2010	1/07/2010	-397.2	-4.6
WOOL40	422301	6220517	40360	40544	1/07/2010	1/01/2011	-372.5	-4.3
WOOL40	422301	6220517	40544	40725	1/01/2011	1/07/2011	-113.3	-1.3
WOOL40	422301	6220517	40725	40909	1/07/2011	1/01/2012	-356.8	-4.1
WOOL40	422301	6220517	40909	78164	1/01/2012	1/01/2114	-293.2	-3.4
WOOL41	421391	6220357	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL41	421391	6220357	33239	33420	1/01/1991	1/07/1991	-522.7	-6.1
WOOL41	421391	6220357	33420	33604	1/07/1991	1/01/1992	-537.7	-6.2
WOOL41	421391	6220357	33604	33786	1/01/1992	1/07/1992	-343.6	-4.0
WOOL41	421391	6220357	33786	33970	1/07/1992	1/01/1993	-327.6	-3.8
WOOL41	421391	6220357	33970	34151	1/01/1993	1/07/1993	-327.6	-3.8
WOOL41	421391	6220357	34151	34335	1/07/1993	1/01/1994	-327.6	-3.8
WOOL41	421391	6220357	34335	34516	1/01/1994	1/07/1994	-397.8	-4.6
WOOL41	421391	6220357	34516	34700	1/07/1994	1/01/1995	-397.8	-4.6
WOOL41	421391	6220357	34700	34881	1/01/1995	1/07/1995	-376.8	-4.4
WOOL41	421391	6220357	34881	35065	1/07/1995	1/01/1996	-376.8	-4.4
WOOL41	421391	6220357	35065	35247	1/01/1996	1/07/1996	-264.8	-3.1

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL41	421391	6220357	35247	35431	1/07/1996	1/01/1997	-264.8	-3.1
WOOL41	421391	6220357	35431	35612	1/01/1997	1/07/1997	-257.1	-3.0
WOOL41	421391	6220357	35612	35796	1/07/1997	1/01/1998	-257.1	-3.0
WOOL41	421391	6220357	35796	35977	1/01/1998	1/07/1998	-209.0	-2.4
WOOL41	421391	6220357	35977	36161	1/07/1998	1/01/1999	-209.0	-2.4
WOOL41	421391	6220357	36161	36342	1/01/1999	1/07/1999	-242.8	-2.8
WOOL41	421391	6220357	36342	36526	1/07/1999	1/01/2000	-242.8	-2.8
WOOL41	421391	6220357	36526	36708	1/01/2000	1/07/2000	-241.3	-2.8
WOOL41	421391	6220357	36708	36892	1/07/2000	1/01/2001	-241.3	-2.8
WOOL41	421391	6220357	36892	37073	1/01/2001	1/07/2001	-212.8	-2.5
WOOL41	421391	6220357	37073	37257	1/07/2001	1/01/2002	-212.8	-2.5
WOOL41	421391	6220357	37257	37438	1/01/2002	1/07/2002	-296.5	-3.4
WOOL41	421391	6220357	37438	37622	1/07/2002	1/01/2003	-296.5	-3.4
WOOL41	421391	6220357	37622	37803	1/01/2003	1/07/2003	-302.7	-3.5
WOOL41	421391	6220357	37803	37987	1/07/2003	1/01/2004	-232.7	-2.7
WOOL41	421391	6220357	37987	38169	1/01/2004	1/07/2004	-245.5	-2.8
WOOL41	421391	6220357	38169	38353	1/07/2004	1/01/2005	-251.4	-2.9
WOOL41	421391	6220357	38353	38534	1/01/2005	1/07/2005	-336.8	-3.9
WOOL41	421391	6220357	38534	38718	1/07/2005	1/01/2006	-311.4	-3.6
WOOL41	421391	6220357	38718	38899	1/01/2006	1/07/2006	-384.7	-4.5
WOOL41	421391	6220357	38899	39083	1/07/2006	1/01/2007	-349.7	-4.0
WOOL41	421391	6220357	39083	39264	1/01/2007	1/07/2007	-369.5	-4.3
WOOL41	421391	6220357	39264	39448	1/07/2007	1/01/2008	-338.9	-3.9
WOOL41	421391	6220357	39448	39630	1/01/2008	1/07/2008	-738.4	-8.5
WOOL41	421391	6220357	39630	39814	1/07/2008	1/01/2009	-110.9	-1.3
WOOL41	421391	6220357	39814	39995	1/01/2009	1/07/2009	-314.3	-3.6
WOOL41	421391	6220357	39995	40179	1/07/2009	1/01/2010	-270.9	-3.1
WOOL41	421391	6220357	40179	40360	1/01/2010	1/07/2010	-254.9	-3.0
WOOL41	421391	6220357	40360	40544	1/07/2010	1/01/2011	-220.4	-2.6
WOOL41	421391	6220357	40544	40725	1/01/2011	1/07/2011	-101.2	-1.2
WOOL41	421391	6220357	40725	40909	1/07/2011	1/01/2012	-310.1	-3.6
WOOL41	421391	6220357	40909	78164	1/01/2012	1/01/2114	-206.3	-2.4
WOOL42	420501	6219927	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL42	420501	6219927	33239	33420	1/01/1991	1/07/1991	-403.4	-4.7
WOOL42	420501	6219927	33420	33604	1/07/1991	1/01/1992	-393.0	-4.5
WOOL42	420501	6219927	33604	33786	1/01/1992	1/07/1992	-299.8	-3.5
WOOL42	420501	6219927	33786	33970	1/07/1992	1/01/1993	-277.4	-3.2
WOOL42	420501	6219927	33970	34151	1/01/1993	1/07/1993	-271.9	-3.1
WOOL42	420501	6219927	34151	34335	1/07/1993	1/01/1994	-271.9	-3.1
WOOL42	420501	6219927	34335	34516	1/01/1994	1/07/1994	-351.3	-4.1
WOOL42	420501	6219927	34516	34700	1/07/1994	1/01/1995	-351.3	-4.1
WOOL42	420501	6219927	34700	34881	1/01/1995	1/07/1995	-336.0	-3.9
WOOL42	420501	6219927	34881	35065	1/07/1995	1/01/1996	-336.0	-3.9
WOOL42	420501	6219927	35065	35247	1/01/1996	1/07/1996	-281.5	-3.3
WOOL42	420501	6219927	35247	35431	1/07/1996	1/01/1997	-281.5	-3.3
WOOL42	420501	6219927	35431	35612	1/01/1997	1/07/1997	-274.0	-3.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL42	420501	6219927	35612	35796	1/07/1997	1/01/1998	-274.0	-3.2
WOOL42	420501	6219927	35796	35977	1/01/1998	1/07/1998	-134.8	-1.6
WOOL42	420501	6219927	35977	36161	1/07/1998	1/01/1999	-134.8	-1.6
WOOL42	420501	6219927	36161	36342	1/01/1999	1/07/1999	-160.6	-1.9
WOOL42	420501	6219927	36342	36526	1/07/1999	1/01/2000	-160.6	-1.9
WOOL42	420501	6219927	36526	36708	1/01/2000	1/07/2000	-155.7	-1.8
WOOL42	420501	6219927	36708	36892	1/07/2000	1/01/2001	-155.7	-1.8
WOOL42	420501	6219927	36892	37073	1/01/2001	1/07/2001	-223.7	-2.6
WOOL42	420501	6219927	37073	37257	1/07/2001	1/01/2002	-223.7	-2.6
WOOL42	420501	6219927	37257	37438	1/01/2002	1/07/2002	-226.2	-2.6
WOOL42	420501	6219927	37438	37622	1/07/2002	1/01/2003	-226.2	-2.6
WOOL42	420501	6219927	37622	37803	1/01/2003	1/07/2003	-182.1	-2.1
WOOL42	420501	6219927	37803	37987	1/07/2003	1/01/2004	-269.9	-3.1
WOOL42	420501	6219927	37987	38169	1/01/2004	1/07/2004	-75.8	-0.9
WOOL42	420501	6219927	38169	38353	1/07/2004	1/01/2005	-131.6	-1.5
WOOL42	420501	6219927	38353	38534	1/01/2005	1/07/2005	-211.8	-2.5
WOOL42	420501	6219927	38534	38718	1/07/2005	1/01/2006	-205.6	-2.4
WOOL42	420501	6219927	38718	38899	1/01/2006	1/07/2006	-259.0	-3.0
WOOL42	420501	6219927	38899	39083	1/07/2006	1/01/2007	-174.0	-2.0
WOOL42	420501	6219927	39083	39264	1/01/2007	1/07/2007	-155.5	-1.8
WOOL42	420501	6219927	39264	39448	1/07/2007	1/01/2008	-126.6	-1.5
WOOL42	420501	6219927	39448	39630	1/01/2008	1/07/2008	-106.5	-1.2
WOOL42	420501	6219927	39630	39814	1/07/2008	1/01/2009	-115.2	-1.3
WOOL42	420501	6219927	39814	39995	1/01/2009	1/07/2009	-164.1	-1.9
WOOL42	420501	6219927	39995	40179	1/07/2009	1/01/2010	-122.1	-1.4
WOOL42	420501	6219927	40179	40360	1/01/2010	1/07/2010	-133.8	-1.5
WOOL42	420501	6219927	40360	40544	1/07/2010	1/01/2011	-144.8	-1.7
WOOL42	420501	6219927	40544	40725	1/01/2011	1/07/2011	-80.7	-0.9
WOOL42	420501	6219927	40725	40909	1/07/2011	1/01/2012	-226.4	-2.6
WOOL42	420501	6219927	40909	78164	1/01/2012	1/01/2114	-121.0	-1.4
WOOL43	419571	6219457	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL43	419571	6219457	33239	33420	1/01/1991	1/07/1991	-299.7	-3.5
WOOL43	419571	6219457	33420	33604	1/07/1991	1/01/1992	-327.8	-3.8
WOOL43	419571	6219457	33604	33786	1/01/1992	1/07/1992	-205.8	-2.4
WOOL43	419571	6219457	33786	33970	1/07/1992	1/01/1993	-182.9	-2.1
WOOL43	419571	6219457	33970	34151	1/01/1993	1/07/1993	-177.6	-2.1
WOOL43	419571	6219457	34151	34335	1/07/1993	1/01/1994	-177.6	-2.1
WOOL43	419571	6219457	34335	34516	1/01/1994	1/07/1994	-179.2	-2.1
WOOL43	419571	6219457	34516	34700	1/07/1994	1/01/1995	-179.2	-2.1
WOOL43	419571	6219457	34700	34881	1/01/1995	1/07/1995	-273.1	-3.2
WOOL43	419571	6219457	34881	35065	1/07/1995	1/01/1996	-273.1	-3.2
WOOL43	419571	6219457	35065	35247	1/01/1996	1/07/1996	-282.0	-3.3
WOOL43	419571	6219457	35247	35431	1/07/1996	1/01/1997	-282.0	-3.3
WOOL43	419571	6219457	35431	35612	1/01/1997	1/07/1997	-278.9	-3.2
WOOL43	419571	6219457	35612	35796	1/07/1997	1/01/1998	-278.9	-3.2
WOOL43	419571	6219457	35796	35977	1/01/1998	1/07/1998	-205.1	-2.4

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL43	419571	6219457	35977	36161	1/07/1998	1/01/1999	-205.1	-2.4
WOOL43	419571	6219457	36161	36342	1/01/1999	1/07/1999	-253.3	-2.9
WOOL43	419571	6219457	36342	36526	1/07/1999	1/01/2000	-253.3	-2.9
WOOL43	419571	6219457	36526	36708	1/01/2000	1/07/2000	-261.5	-3.0
WOOL43	419571	6219457	36708	36892	1/07/2000	1/01/2001	-261.5	-3.0
WOOL43	419571	6219457	36892	37073	1/01/2001	1/07/2001	-160.1	-1.9
WOOL43	419571	6219457	37073	37257	1/07/2001	1/01/2002	-160.1	-1.9
WOOL43	419571	6219457	37257	37438	1/01/2002	1/07/2002	-174.9	-2.0
WOOL43	419571	6219457	37438	37622	1/07/2002	1/01/2003	-174.9	-2.0
WOOL43	419571	6219457	37622	37803	1/01/2003	1/07/2003	-213.9	-2.5
WOOL43	419571	6219457	37803	37987	1/07/2003	1/01/2004	-261.1	-3.0
WOOL43	419571	6219457	37987	38169	1/01/2004	1/07/2004	-181.1	-2.1
WOOL43	419571	6219457	38169	38353	1/07/2004	1/01/2005	-248.0	-2.9
WOOL43	419571	6219457	38353	38534	1/01/2005	1/07/2005	-275.2	-3.2
WOOL43	419571	6219457	38534	38718	1/07/2005	1/01/2006	-175.3	-2.0
WOOL43	419571	6219457	38718	38899	1/01/2006	1/07/2006	-215.5	-2.5
WOOL43	419571	6219457	38899	39083	1/07/2006	1/01/2007	-175.6	-2.0
WOOL43	419571	6219457	39083	39264	1/01/2007	1/07/2007	-233.2	-2.7
WOOL43	419571	6219457	39264	39448	1/07/2007	1/01/2008	-190.2	-2.2
WOOL43	419571	6219457	39448	39630	1/01/2008	1/07/2008	-250.2	-2.9
WOOL43	419571	6219457	39630	39814	1/07/2008	1/01/2009	-231.8	-2.7
WOOL43	419571	6219457	39814	39995	1/01/2009	1/07/2009	-194.3	-2.2
WOOL43	419571	6219457	39995	40179	1/07/2009	1/01/2010	-203.6	-2.4
WOOL43	419571	6219457	40179	40360	1/01/2010	1/07/2010	-231.2	-2.7
WOOL43	419571	6219457	40360	40544	1/07/2010	1/01/2011	-196.1	-2.3
WOOL43	419571	6219457	40544	40725	1/01/2011	1/07/2011	-6.9	-0.1
WOOL43	419571	6219457	40725	40909	1/07/2011	1/01/2012	-146.8	-1.7
WOOL43	419571	6219457	40909	78164	1/01/2012	1/01/2114	-190.1	-2.2
WOOL44	418771	6218957	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL44	418771	6218957	33239	33420	1/01/1991	1/07/1991	-289.4	-3.3
WOOL44	418771	6218957	33420	33604	1/07/1991	1/01/1992	-283.1	-3.3
WOOL44	418771	6218957	33604	33786	1/01/1992	1/07/1992	-146.2	-1.7
WOOL44	418771	6218957	33786	33970	1/07/1992	1/01/1993	-127.3	-1.5
WOOL44	418771	6218957	33970	34151	1/01/1993	1/07/1993	-127.3	-1.5
WOOL44	418771	6218957	34151	34335	1/07/1993	1/01/1994	-127.3	-1.5
WOOL44	418771	6218957	34335	34516	1/01/1994	1/07/1994	-183.3	-2.1
WOOL44	418771	6218957	34516	34700	1/07/1994	1/01/1995	-183.3	-2.1
WOOL44	418771	6218957	34700	34881	1/01/1995	1/07/1995	-183.4	-2.1
WOOL44	418771	6218957	34881	35065	1/07/1995	1/01/1996	-183.4	-2.1
WOOL44	418771	6218957	35065	35247	1/01/1996	1/07/1996	-143.7	-1.7
WOOL44	418771	6218957	35247	35431	1/07/1996	1/01/1997	-143.7	-1.7
WOOL44	418771	6218957	35431	35612	1/01/1997	1/07/1997	-173.7	-2.0
WOOL44	418771	6218957	35612	35796	1/07/1997	1/01/1998	-173.7	-2.0
WOOL44	418771	6218957	35796	35977	1/01/1998	1/07/1998	-139.3	-1.6
WOOL44	418771	6218957	35977	36161	1/07/1998	1/01/1999	-139.3	-1.6
WOOL44	418771	6218957	36161	36342	1/01/1999	1/07/1999	-163.7	-1.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL44	418771	6218957	36342	36526	1/07/1999	1/01/2000	-163.7	-1.9
WOOL44	418771	6218957	36526	36708	1/01/2000	1/07/2000	-132.5	-1.5
WOOL44	418771	6218957	36708	36892	1/07/2000	1/01/2001	-132.5	-1.5
WOOL44	418771	6218957	36892	37073	1/01/2001	1/07/2001	-58.8	-0.7
WOOL44	418771	6218957	37073	37257	1/07/2001	1/01/2002	-58.8	-0.7
WOOL44	418771	6218957	37257	37438	1/01/2002	1/07/2002	-70.2	-0.8
WOOL44	418771	6218957	37438	37622	1/07/2002	1/01/2003	-70.2	-0.8
WOOL44	418771	6218957	37622	37803	1/01/2003	1/07/2003	-89.5	-1.0
WOOL44	418771	6218957	37803	37987	1/07/2003	1/01/2004	-98.0	-1.1
WOOL44	418771	6218957	37987	38169	1/01/2004	1/07/2004	-142.5	-1.6
WOOL44	418771	6218957	38169	38353	1/07/2004	1/01/2005	-142.7	-1.7
WOOL44	418771	6218957	38353	38534	1/01/2005	1/07/2005	-204.8	-2.4
WOOL44	418771	6218957	38534	38718	1/07/2005	1/01/2006	-187.2	-2.2
WOOL44	418771	6218957	38718	38899	1/01/2006	1/07/2006	-68.1	-0.8
WOOL44	418771	6218957	38899	39083	1/07/2006	1/01/2007	-56.5	-0.7
WOOL44	418771	6218957	39083	39264	1/01/2007	1/07/2007	-79.6	-0.9
WOOL44	418771	6218957	39264	39448	1/07/2007	1/01/2008	-211.9	-2.5
WOOL44	418771	6218957	39448	39630	1/01/2008	1/07/2008	-153.1	-1.8
WOOL44	418771	6218957	39630	39814	1/07/2008	1/01/2009	-417.6	-4.8
WOOL44	418771	6218957	39814	39995	1/01/2009	1/07/2009	-212.9	-2.5
WOOL44	418771	6218957	39995	40179	1/07/2009	1/01/2010	-103.7	-1.2
WOOL44	418771	6218957	40179	40360	1/01/2010	1/07/2010	-128.5	-1.5
WOOL44	418771	6218957	40360	40544	1/07/2010	1/01/2011	-43.9	-0.5
WOOL44	418771	6218957	40544	40725	1/01/2011	1/07/2011	-50.6	-0.6
WOOL44	418771	6218957	40725	40909	1/07/2011	1/01/2012	-143.1	-1.7
WOOL44	418771	6218957	40909	78164	1/01/2012	1/01/2114	-127.5	-1.5
WOOL45	417801	6218697	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL45	417801	6218697	33239	33420	1/01/1991	1/07/1991	-297.5	-3.4
WOOL45	417801	6218697	33420	33604	1/07/1991	1/01/1992	-246.1	-2.8
WOOL45	417801	6218697	33604	33786	1/01/1992	1/07/1992	-110.5	-1.3
WOOL45	417801	6218697	33786	33970	1/07/1992	1/01/1993	-117.9	-1.4
WOOL45	417801	6218697	33970	34151	1/01/1993	1/07/1993	-117.9	-1.4
WOOL45	417801	6218697	34151	34335	1/07/1993	1/01/1994	-117.9	-1.4
WOOL45	417801	6218697	34335	34516	1/01/1994	1/07/1994	-159.6	-1.8
WOOL45	417801	6218697	34516	34700	1/07/1994	1/01/1995	-159.6	-1.8
WOOL45	417801	6218697	34700	34881	1/01/1995	1/07/1995	-145.2	-1.7
WOOL45	417801	6218697	34881	35065	1/07/1995	1/01/1996	-145.2	-1.7
WOOL45	417801	6218697	35065	35247	1/01/1996	1/07/1996	-89.7	-1.0
WOOL45	417801	6218697	35247	35431	1/07/1996	1/01/1997	-89.7	-1.0
WOOL45	417801	6218697	35431	35612	1/01/1997	1/07/1997	-132.5	-1.5
WOOL45	417801	6218697	35612	35796	1/07/1997	1/01/1998	-132.5	-1.5
WOOL45	417801	6218697	35796	35977	1/01/1998	1/07/1998	-112.1	-1.3
WOOL45	417801	6218697	35977	36161	1/07/1998	1/01/1999	-112.1	-1.3
WOOL45	417801	6218697	36161	36342	1/01/1999	1/07/1999	-151.5	-1.8
WOOL45	417801	6218697	36342	36526	1/07/1999	1/01/2000	-151.5	-1.8
WOOL45	417801	6218697	36526	36708	1/01/2000	1/07/2000	-128.8	-1.5

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL45	417801	6218697	36708	36892	1/07/2000	1/01/2001	-128.8	-1.5
WOOL45	417801	6218697	36892	37073	1/01/2001	1/07/2001	-89.0	-1.0
WOOL45	417801	6218697	37073	37257	1/07/2001	1/01/2002	-89.0	-1.0
WOOL45	417801	6218697	37257	37438	1/01/2002	1/07/2002	-71.8	-0.8
WOOL45	417801	6218697	37438	37622	1/07/2002	1/01/2003	-71.8	-0.8
WOOL45	417801	6218697	37622	37803	1/01/2003	1/07/2003	-137.3	-1.6
WOOL45	417801	6218697	37803	37987	1/07/2003	1/01/2004	-176.5	-2.0
WOOL45	417801	6218697	37987	38169	1/01/2004	1/07/2004	-181.0	-2.1
WOOL45	417801	6218697	38169	38353	1/07/2004	1/01/2005	-119.5	-1.4
WOOL45	417801	6218697	38353	38534	1/01/2005	1/07/2005	-191.0	-2.2
WOOL45	417801	6218697	38534	38718	1/07/2005	1/01/2006	-161.9	-1.9
WOOL45	417801	6218697	38718	38899	1/01/2006	1/07/2006	-112.9	-1.3
WOOL45	417801	6218697	38899	39083	1/07/2006	1/01/2007	-32.4	-0.4
WOOL45	417801	6218697	39083	39264	1/01/2007	1/07/2007	-52.4	-0.6
WOOL45	417801	6218697	39264	39448	1/07/2007	1/01/2008	-212.2	-2.5
WOOL45	417801	6218697	39448	39630	1/01/2008	1/07/2008	-160.1	-1.9
WOOL45	417801	6218697	39630	39814	1/07/2008	1/01/2009	-110.0	-1.3
WOOL45	417801	6218697	39814	39995	1/01/2009	1/07/2009	-214.0	-2.5
WOOL45	417801	6218697	39995	40179	1/07/2009	1/01/2010	-154.9	-1.8
WOOL45	417801	6218697	40179	40360	1/01/2010	1/07/2010	-197.7	-2.3
WOOL45	417801	6218697	40360	40544	1/07/2010	1/01/2011	-173.4	-2.0
WOOL45	417801	6218697	40544	40725	1/01/2011	1/07/2011	-54.0	-0.6
WOOL45	417801	6218697	40725	40909	1/07/2011	1/01/2012	-197.1	-2.3
WOOL45	417801	6218697	40909	78164	1/01/2012	1/01/2114	-104.6	-1.2
WOOL46	416871	6218597	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL46	416871	6218597	33239	33420	1/01/1991	1/07/1991	-307.5	-3.6
WOOL46	416871	6218597	33420	33604	1/07/1991	1/01/1992	-299.5	-3.5
WOOL46	416871	6218597	33604	33786	1/01/1992	1/07/1992	-201.3	-2.3
WOOL46	416871	6218597	33786	33970	1/07/1992	1/01/1993	-175.2	-2.0
WOOL46	416871	6218597	33970	34151	1/01/1993	1/07/1993	-170.1	-2.0
WOOL46	416871	6218597	34151	34335	1/07/1993	1/01/1994	-170.1	-2.0
WOOL46	416871	6218597	34335	34516	1/01/1994	1/07/1994	-163.8	-1.9
WOOL46	416871	6218597	34516	34700	1/07/1994	1/01/1995	-163.8	-1.9
WOOL46	416871	6218597	34700	34881	1/01/1995	1/07/1995	-161.7	-1.9
WOOL46	416871	6218597	34881	35065	1/07/1995	1/01/1996	-161.7	-1.9
WOOL46	416871	6218597	35065	35247	1/01/1996	1/07/1996	-74.2	-0.9
WOOL46	416871	6218597	35247	35431	1/07/1996	1/01/1997	-74.2	-0.9
WOOL46	416871	6218597	35431	35612	1/01/1997	1/07/1997	-164.4	-1.9
WOOL46	416871	6218597	35612	35796	1/07/1997	1/01/1998	-164.4	-1.9
WOOL46	416871	6218597	35796	35977	1/01/1998	1/07/1998	-55.3	-0.6
WOOL46	416871	6218597	35977	36161	1/07/1998	1/01/1999	-323.1	-3.7
WOOL46	416871	6218597	36161	36342	1/01/1999	1/07/1999	-63.4	-0.7
WOOL46	416871	6218597	36342	36526	1/07/1999	1/01/2000	-63.4	-0.7
WOOL46	416871	6218597	36526	36708	1/01/2000	1/07/2000	-13.7	-0.2
WOOL46	416871	6218597	36708	36892	1/07/2000	1/01/2001	-13.7	-0.2
WOOL46	416871	6218597	36892	37073	1/01/2001	1/07/2001	-14.3	-0.2

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL46	416871	6218597	37073	37257	1/07/2001	1/01/2002	-14.3	-0.2
WOOL46	416871	6218597	37257	37438	1/01/2002	1/07/2002	-79.6	-0.9
WOOL46	416871	6218597	37438	37622	1/07/2002	1/01/2003	-79.6	-0.9
WOOL46	416871	6218597	37622	37803	1/01/2003	1/07/2003	-103.6	-1.2
WOOL46	416871	6218597	37803	37987	1/07/2003	1/01/2004	-147.7	-1.7
WOOL46	416871	6218597	37987	38169	1/01/2004	1/07/2004	-137.2	-1.6
WOOL46	416871	6218597	38169	38353	1/07/2004	1/01/2005	-84.0	-1.0
WOOL46	416871	6218597	38353	38534	1/01/2005	1/07/2005	-132.3	-1.5
WOOL46	416871	6218597	38534	38718	1/07/2005	1/01/2006	-107.1	-1.2
WOOL46	416871	6218597	38718	38899	1/01/2006	1/07/2006	-84.9	-1.0
WOOL46	416871	6218597	38899	39083	1/07/2006	1/01/2007	-175.9	-2.0
WOOL46	416871	6218597	39083	39264	1/01/2007	1/07/2007	-188.6	-2.2
WOOL46	416871	6218597	39264	39448	1/07/2007	1/01/2008	-139.1	-1.6
WOOL46	416871	6218597	39448	39630	1/01/2008	1/07/2008	-201.4	-2.3
WOOL46	416871	6218597	39630	39814	1/07/2008	1/01/2009	-170.8	-2.0
WOOL46	416871	6218597	39814	39995	1/01/2009	1/07/2009	-204.3	-2.4
WOOL46	416871	6218597	39995	40179	1/07/2009	1/01/2010	-191.7	-2.2
WOOL46	416871	6218597	40179	40360	1/01/2010	1/07/2010	-159.7	-1.8
WOOL46	416871	6218597	40360	40544	1/07/2010	1/01/2011	-176.5	-2.0
WOOL46	416871	6218597	40544	40725	1/01/2011	1/07/2011	-50.1	-0.6
WOOL46	416871	6218597	40725	40909	1/07/2011	1/01/2012	-171.1	-2.0
WOOL46	416871	6218597	40909	78164	1/01/2012	1/01/2114	-177.7	-2.1
WOOL47	415661	6218727	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL47	415661	6218727	33239	33420	1/01/1991	1/07/1991	-371.2	-4.3
WOOL47	415661	6218727	33420	33604	1/07/1991	1/01/1992	-358.3	-4.1
WOOL47	415661	6218727	33604	33786	1/01/1992	1/07/1992	-237.6	-2.7
WOOL47	415661	6218727	33786	33970	1/07/1992	1/01/1993	-193.8	-2.2
WOOL47	415661	6218727	33970	34151	1/01/1993	1/07/1993	-175.2	-2.0
WOOL47	415661	6218727	34151	34335	1/07/1993	1/01/1994	-175.2	-2.0
WOOL47	415661	6218727	34335	34516	1/01/1994	1/07/1994	-155.9	-1.8
WOOL47	415661	6218727	34516	34700	1/07/1994	1/01/1995	-155.9	-1.8
WOOL47	415661	6218727	34700	34881	1/01/1995	1/07/1995	-182.4	-2.1
WOOL47	415661	6218727	34881	35065	1/07/1995	1/01/1996	-182.4	-2.1
WOOL47	415661	6218727	35065	35247	1/01/1996	1/07/1996	-85.0	-1.0
WOOL47	415661	6218727	35247	35431	1/07/1996	1/01/1997	-85.0	-1.0
WOOL47	415661	6218727	35431	35612	1/01/1997	1/07/1997	-84.9	-1.0
WOOL47	415661	6218727	35612	35796	1/07/1997	1/01/1998	-84.9	-1.0
WOOL47	415661	6218727	35796	35977	1/01/1998	1/07/1998	-68.3	-0.8
WOOL47	415661	6218727	35977	36161	1/07/1998	1/01/1999	-68.3	-0.8
WOOL47	415661	6218727	36161	36342	1/01/1999	1/07/1999	-77.2	-0.9
WOOL47	415661	6218727	36342	36526	1/07/1999	1/01/2000	-77.2	-0.9
WOOL47	415661	6218727	36526	36708	1/01/2000	1/07/2000	-59.3	-0.7
WOOL47	415661	6218727	36708	36892	1/07/2000	1/01/2001	-59.3	-0.7
WOOL47	415661	6218727	36892	37073	1/01/2001	1/07/2001	-92.6	-1.1
WOOL47	415661	6218727	37073	37257	1/07/2001	1/01/2002	-92.6	-1.1
WOOL47	415661	6218727	37257	37438	1/01/2002	1/07/2002	-76.5	-0.9

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL47	415661	6218727	37438	37622	1/07/2002	1/01/2003	-76.5	-0.9
WOOL47	415661	6218727	37622	37803	1/01/2003	1/07/2003	-63.1	-0.7
WOOL47	415661	6218727	37803	37987	1/07/2003	1/01/2004	-117.6	-1.4
WOOL47	415661	6218727	37987	38169	1/01/2004	1/07/2004	-138.1	-1.6
WOOL47	415661	6218727	38169	38353	1/07/2004	1/01/2005	-166.4	-1.9
WOOL47	415661	6218727	38353	38534	1/01/2005	1/07/2005	-216.6	-2.5
WOOL47	415661	6218727	38534	38718	1/07/2005	1/01/2006	-183.2	-2.1
WOOL47	415661	6218727	38718	38899	1/01/2006	1/07/2006	-183.5	-2.1
WOOL47	415661	6218727	38899	39083	1/07/2006	1/01/2007	-72.2	-0.8
WOOL47	415661	6218727	39083	39264	1/01/2007	1/07/2007	-134.8	-1.6
WOOL47	415661	6218727	39264	39448	1/07/2007	1/01/2008	-188.8	-2.2
WOOL47	415661	6218727	39448	39630	1/01/2008	1/07/2008	-222.8	-2.6
WOOL47	415661	6218727	39630	39814	1/07/2008	1/01/2009	-124.8	-1.4
WOOL47	415661	6218727	39814	39995	1/01/2009	1/07/2009	-87.8	-1.0
WOOL47	415661	6218727	39995	40179	1/07/2009	1/01/2010	-75.8	-0.9
WOOL47	415661	6218727	40179	40360	1/01/2010	1/07/2010	-18.5	-0.2
WOOL47	415661	6218727	40360	40544	1/07/2010	1/01/2011	-218.2	-2.5
WOOL47	415661	6218727	40544	40725	1/01/2011	1/07/2011	-65.3	-0.8
WOOL47	415661	6218727	40725	40909	1/07/2011	1/01/2012	-208.3	-2.4
WOOL47	415661	6218727	40909	78164	1/01/2012	1/01/2114	-186.2	-2.2
WOOL48	414451	6218817	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL48	414451	6218817	33239	33420	1/01/1991	1/07/1991	-383.4	-4.4
WOOL48	414451	6218817	33420	33604	1/07/1991	1/01/1992	-375.3	-4.3
WOOL48	414451	6218817	33604	33786	1/01/1992	1/07/1992	-188.7	-2.2
WOOL48	414451	6218817	33786	33970	1/07/1992	1/01/1993	-177.0	-2.0
WOOL48	414451	6218817	33970	34151	1/01/1993	1/07/1993	-177.0	-2.0
WOOL48	414451	6218817	34151	34335	1/07/1993	1/01/1994	-177.0	-2.0
WOOL48	414451	6218817	34335	34516	1/01/1994	1/07/1994	-192.4	-2.2
WOOL48	414451	6218817	34516	34700	1/07/1994	1/01/1995	-192.4	-2.2
WOOL48	414451	6218817	34700	34881	1/01/1995	1/07/1995	-184.6	-2.1
WOOL48	414451	6218817	34881	35065	1/07/1995	1/01/1996	-184.6	-2.1
WOOL48	414451	6218817	35065	35247	1/01/1996	1/07/1996	-77.1	-0.9
WOOL48	414451	6218817	35247	35431	1/07/1996	1/01/1997	-77.1	-0.9
WOOL48	414451	6218817	35431	35612	1/01/1997	1/07/1997	-83.2	-1.0
WOOL48	414451	6218817	35612	35796	1/07/1997	1/01/1998	-83.2	-1.0
WOOL48	414451	6218817	35796	35977	1/01/1998	1/07/1998	-73.9	-0.9
WOOL48	414451	6218817	35977	36161	1/07/1998	1/01/1999	-73.9	-0.9
WOOL48	414451	6218817	36161	36342	1/01/1999	1/07/1999	-110.1	-1.3
WOOL48	414451	6218817	36342	36526	1/07/1999	1/01/2000	-110.1	-1.3
WOOL48	414451	6218817	36526	36708	1/01/2000	1/07/2000	-104.2	-1.2
WOOL48	414451	6218817	36708	36892	1/07/2000	1/01/2001	-104.2	-1.2
WOOL48	414451	6218817	36892	37073	1/01/2001	1/07/2001	-112.6	-1.3
WOOL48	414451	6218817	37073	37257	1/07/2001	1/01/2002	-112.6	-1.3
WOOL48	414451	6218817	37257	37438	1/01/2002	1/07/2002	-61.8	-0.7
WOOL48	414451	6218817	37438	37622	1/07/2002	1/01/2003	-61.8	-0.7
WOOL48	414451	6218817	37622	37803	1/01/2003	1/07/2003	-60.4	-0.7

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL48	414451	6218817	37803	37987	1/07/2003	1/01/2004	-128.1	-1.5
WOOL48	414451	6218817	37987	38169	1/01/2004	1/07/2004	-47.8	-0.6
WOOL48	414451	6218817	38169	38353	1/07/2004	1/01/2005	-116.9	-1.4
WOOL48	414451	6218817	38353	38534	1/01/2005	1/07/2005	-159.7	-1.8
WOOL48	414451	6218817	38534	38718	1/07/2005	1/01/2006	-178.4	-2.1
WOOL48	414451	6218817	38718	38899	1/01/2006	1/07/2006	-197.7	-2.3
WOOL48	414451	6218817	38899	39083	1/07/2006	1/01/2007	-184.7	-2.1
WOOL48	414451	6218817	39083	39264	1/01/2007	1/07/2007	-152.6	-1.8
WOOL48	414451	6218817	39264	39448	1/07/2007	1/01/2008	-59.1	-0.7
WOOL48	414451	6218817	39448	39630	1/01/2008	1/07/2008	-112.5	-1.3
WOOL48	414451	6218817	39630	39814	1/07/2008	1/01/2009	-205.1	-2.4
WOOL48	414451	6218817	39814	39995	1/01/2009	1/07/2009	-165.2	-1.9
WOOL48	414451	6218817	39995	40179	1/07/2009	1/01/2010	-200.6	-2.3
WOOL48	414451	6218817	40179	40360	1/01/2010	1/07/2010	-200.5	-2.3
WOOL48	414451	6218817	40360	40544	1/07/2010	1/01/2011	-196.1	-2.3
WOOL48	414451	6218817	40544	40725	1/01/2011	1/07/2011	-57.7	-0.7
WOOL48	414451	6218817	40725	40909	1/07/2011	1/01/2012	-177.0	-2.0
WOOL48	414451	6218817	40909	78164	1/01/2012	1/01/2114	-162.3	-1.9
WOOL49	413061	6219297	Steady state	33239	-	1/01/1991	0.0	0.0
WOOL49	413061	6219297	33239	33420	1/01/1991	1/07/1991	-426.5	-4.9
WOOL49	413061	6219297	33420	33604	1/07/1991	1/01/1992	-399.5	-4.6
WOOL49	413061	6219297	33604	33786	1/01/1992	1/07/1992	-241.0	-2.8
WOOL49	413061	6219297	33786	33970	1/07/1992	1/01/1993	-200.7	-2.3
WOOL49	413061	6219297	33970	34151	1/01/1993	1/07/1993	-187.3	-2.2
WOOL49	413061	6219297	34151	34335	1/07/1993	1/01/1994	-187.3	-2.2
WOOL49	413061	6219297	34335	34516	1/01/1994	1/07/1994	-177.9	-2.1
WOOL49	413061	6219297	34516	34700	1/07/1994	1/01/1995	-177.9	-2.1
WOOL49	413061	6219297	34700	34881	1/01/1995	1/07/1995	-183.2	-2.1
WOOL49	413061	6219297	34881	35065	1/07/1995	1/01/1996	-183.2	-2.1
WOOL49	413061	6219297	35065	35247	1/01/1996	1/07/1996	-139.6	-1.6
WOOL49	413061	6219297	35247	35431	1/07/1996	1/01/1997	-139.6	-1.6
WOOL49	413061	6219297	35431	35612	1/01/1997	1/07/1997	-123.4	-1.4
WOOL49	413061	6219297	35612	35796	1/07/1997	1/01/1998	-123.4	-1.4
WOOL49	413061	6219297	35796	35977	1/01/1998	1/07/1998	-102.4	-1.2
WOOL49	413061	6219297	35977	36161	1/07/1998	1/01/1999	-102.4	-1.2
WOOL49	413061	6219297	36161	36342	1/01/1999	1/07/1999	-122.1	-1.4
WOOL49	413061	6219297	36342	36526	1/07/1999	1/01/2000	-122.1	-1.4
WOOL49	413061	6219297	36526	36708	1/01/2000	1/07/2000	-115.8	-1.3
WOOL49	413061	6219297	36708	36892	1/07/2000	1/01/2001	-115.8	-1.3
WOOL49	413061	6219297	36892	37073	1/01/2001	1/07/2001	-100.6	-1.2
WOOL49	413061	6219297	37073	37257	1/07/2001	1/01/2002	-100.6	-1.2
WOOL49	413061	6219297	37257	37438	1/01/2002	1/07/2002	-63.0	-0.7
WOOL49	413061	6219297	37438	37622	1/07/2002	1/01/2003	-63.0	-0.7
WOOL49	413061	6219297	37622	37803	1/01/2003	1/07/2003	-83.0	-1.0
WOOL49	413061	6219297	37803	37987	1/07/2003	1/01/2004	-94.8	-1.1
WOOL49	413061	6219297	37987	38169	1/01/2004	1/07/2004	-176.0	-2.0

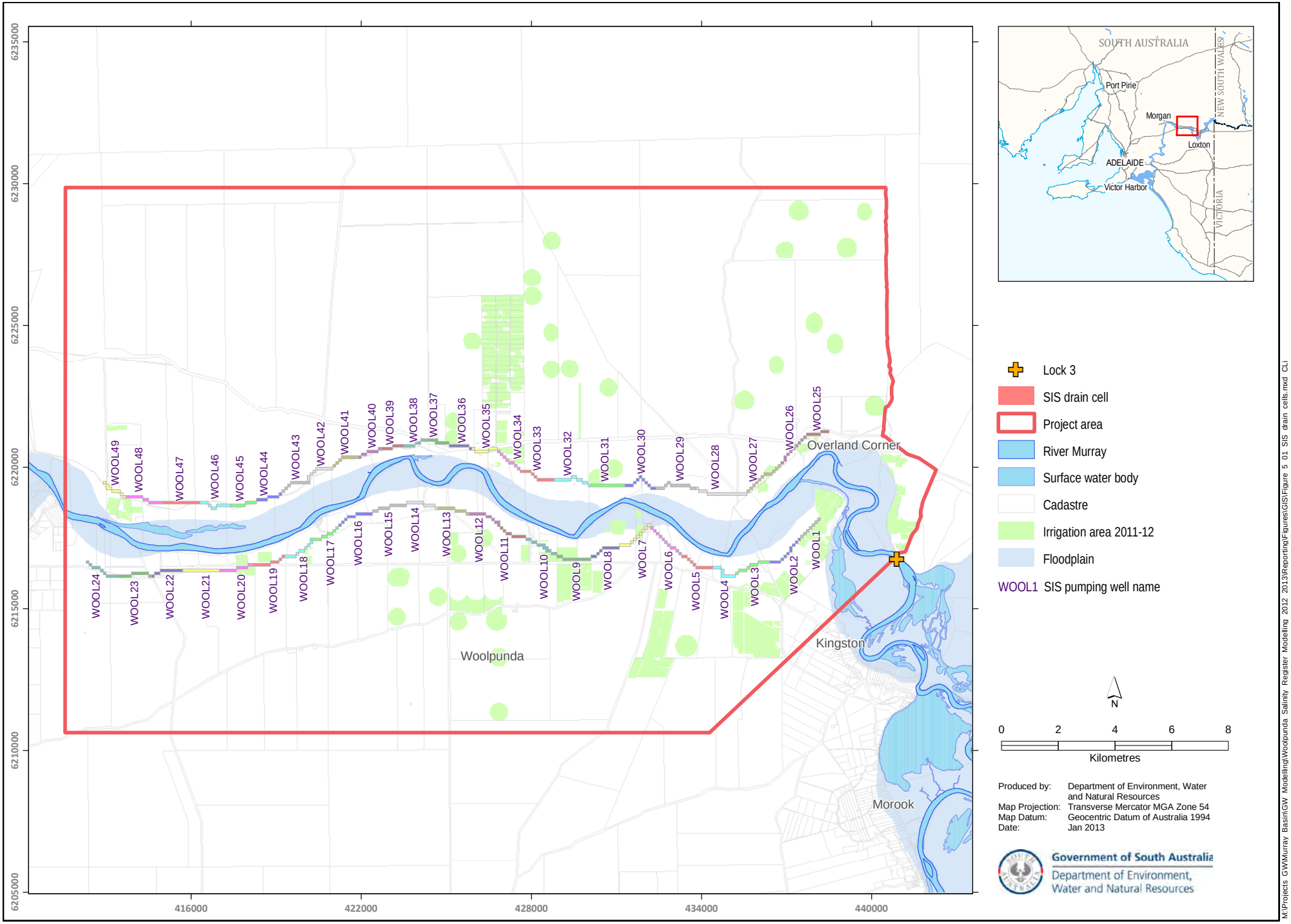
A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

Well	Easting (m)	Northing (m)	Start (model day)	Stop (model day)	Start (actual date)	Stop (actual date)	Rate (m^3/d)	Rate (L/s)
WOOL49	413061	6219297	38169	38353	1/07/2004	1/01/2005	-173.6	-2.0
WOOL49	413061	6219297	38353	38534	1/01/2005	1/07/2005	-118.2	-1.4
WOOL49	413061	6219297	38534	38718	1/07/2005	1/01/2006	-122.1	-1.4
WOOL49	413061	6219297	38718	38899	1/01/2006	1/07/2006	-112.1	-1.3
WOOL49	413061	6219297	38899	39083	1/07/2006	1/01/2007	-198.8	-2.3
WOOL49	413061	6219297	39083	39264	1/01/2007	1/07/2007	-188.1	-2.2
WOOL49	413061	6219297	39264	39448	1/07/2007	1/01/2008	-36.7	-0.4
WOOL49	413061	6219297	39448	39630	1/01/2008	1/07/2008	-206.5	-2.4
WOOL49	413061	6219297	39630	39814	1/07/2008	1/01/2009	-211.6	-2.4
WOOL49	413061	6219297	39814	39995	1/01/2009	1/07/2009	-193.4	-2.2
WOOL49	413061	6219297	39995	40179	1/07/2009	1/01/2010	-197.7	-2.3
WOOL49	413061	6219297	40179	40360	1/01/2010	1/07/2010	-187.0	-2.2
WOOL49	413061	6219297	40360	40544	1/07/2010	1/01/2011	-169.7	-2.0
WOOL49	413061	6219297	40544	40725	1/01/2011	1/07/2011	-53.3	-0.6
WOOL49	413061	6219297	40725	40909	1/07/2011	1/01/2012	-193.5	-2.2
WOOL49	413061	6219297	40909	78164	1/01/2012	1/01/2114	-155.3	-1.8

A-3. Adopted Pumping Rates in the Historical Calibrated Model for Woolpunda SIS

A-4 PREDICTION MODEL INPUT – PUMPING RATES FOR WOOLPUNDA SIS

- Location of pumping wells
- Model pumping rates



A-4. Modelled SIS in prediction models

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.7	10.7	8.3	9.2	7.2	8.9	7.5	8.3	7.9	8.1	9.7	9.0	7.3	5.8	3.9	3.6	3.3	0.0
1993	1.6	2.3	0.0	2.5	5.9	0.0	2.0	3.4	8.4	6.5	7.2	5.2	6.6	5.4	6.1	5.8	6.1	7.5	6.8	5.5	4.3	2.8	2.6	2.5	8.6
1994	1.3	1.5	1.8	1.6	4.1	3.6	1.6	3.1	7.8	5.9	6.6	4.5	5.8	4.7	5.4	5.2	5.5	6.8	6.1	4.9	3.8	2.4	2.3	2.2	7.0
1995	1.2	1.3	1.4	1.3	3.7	3.0	1.4	3.0	7.4	5.6	6.2	4.3	5.4	4.4	5.1	4.9	5.1	6.4	5.8	4.6	3.6	2.3	2.1	2.0	6.3
1996	1.1	1.1	1.2	1.2	3.5	2.9	1.4	2.8	7.2	5.4	6.0	4.1	5.2	4.2	4.9	4.7	5.0	6.2	5.6	4.5	3.4	2.2	2.0	1.9	6.0
1997	1.1	1.1	1.1	1.2	3.4	2.8	1.4	2.7	7.0	5.3	5.9	4.0	5.1	4.1	4.7	4.5	4.8	6.0	5.5	4.4	3.3	2.1	2.0	1.9	5.9
1998	1.1	1.1	1.0	1.1	3.3	2.7	1.3	2.7	6.9	5.2	5.8	3.9	5.0	4.0	4.6	4.4	4.7	5.9	5.4	4.4	3.2	2.1	1.9	1.8	5.7
1999	1.1	1.0	1.0	1.1	3.2	2.7	1.3	2.6	6.8	5.1	5.7	3.8	4.9	3.9	4.5	4.3	4.6	5.8	5.3	4.4	3.2	2.0	1.9	1.8	5.6
2000	1.1	1.0	1.0	1.1	3.2	2.7	1.3	2.6	6.7	5.1	5.6	3.8	4.8	3.9	4.5	4.3	4.6	5.8	5.3	4.3	3.1	2.0	1.8	1.8	5.6
2001	1.2	1.0	1.0	1.0	3.1	2.6	1.2	2.5	6.6	5.0	5.5	3.7	4.8	3.8	4.4	4.2	4.5	5.7	5.2	4.3	3.1	2.0	1.8	1.7	5.5
2002	1.3	1.0	0.9	1.0	3.1	2.6	1.2	2.5	6.5	5.0	5.5	3.7	4.7	3.8	4.4	4.2	4.5	5.7	5.2	4.3	3.1	1.9	1.8	1.7	5.5
2003	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.5	6.5	4.9	5.4	3.7	4.7	3.8	4.3	4.1	4.4	5.6	5.4	4.5	3.0	1.9	1.8	1.7	5.4
2004	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.4	6.4	4.9	5.4	3.7	4.7	3.7	4.3	4.1	4.4	5.6	5.4	4.6	3.0	1.9	1.8	1.7	5.4
2005	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.4	6.4	4.8	5.4	3.6	4.6	3.7	4.3	4.1	4.4	5.5	5.4	4.5	3.0	1.9	1.7	1.7	5.3
2006	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.4	6.4	4.8	5.3	3.6	4.6	3.7	4.2	4.0	4.3	5.5	5.4	4.5	3.0	1.9	1.7	1.6	5.3
2007	1.4	1.0	0.9	1.0	3.0	2.5	1.2	2.4	6.3	4.8	5.3	3.6	4.6	3.7	4.2	4.0	4.3	5.5	5.3	4.5	2.9	1.8	1.7	1.6	5.3
2008	1.4	1.0	0.9	1.0	2.9	2.5	1.1	2.4	6.3	5.0	5.5	3.6	4.6	3.7	4.2	4.0	4.3	5.8	5.3	4.5	2.9	1.8	1.7	1.6	5.3
2009	1.4	1.0	0.9	1.0	2.9	2.5	1.1	2.4	6.3	5.0	5.5	3.6	4.5	3.6	4.2	4.0	4.3	5.9	5.3	4.5	2.9	1.8	1.7	1.6	5.3
2010	1.4	1.0	0.9	1.0	2.9	2.5	1.1	2.3	6.2	5.0	5.5	3.6	4.5	3.6	4.2	3.9	4.3	5.9	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2011	1.4	1.0	0.9	0.9	2.9	2.5	1.1	2.3	6.2	5.0	5.5	3.6	4.5	3.6	4.2	3.9	4.3	5.9	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2012	1.4	1.0	0.9	0.9	2.9	2.5	1.1	2.3	6.2	4.9	5.5	3.5	4.5	3.6	4.1	3.9	4.3	5.9	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2013	1.9	1.0	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.7	5.5	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2014	2.2	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.7	1.6	5.2
2015	2.3	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.2	4.4	2.8	1.8	1.6	1.5	5.2
2016	2.4	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.6	1.5	5.2
2017	2.5	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.7	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.6	1.5	5.1
2018	2.5	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.6	1.5	5.1
2019	2.5	1.1	0.9	0.9	2.8	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.6	4.1	3.9	4.2	5.8	5.3	4.3	2.8	1.8	1.6	1.5	5.1
2020	2.5	1.1	0.9	0.9	2.8	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.3	4.3	2.8	1.7	1.6	1.5	5.1
2021	2.5	1.1	0.9	0.9	2.8	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.3	4.3	2.8	1.7	1.6	1.5	5.1

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	9.0	6.9	11.5	11.7	4.9	4.7	10.3	2.3	8.2	6.0	5.9	7.1	6.7	5.8	4.7	4.2	5.2	6.2	1.9	1.7
1993	8.6	7.2	8.6	7.6	6.0	5.2	8.5	8.8	3.2	3.3	8.7	1.2	6.8	4.8	4.6	5.5	5.0	4.2	3.3	3.0	3.8	4.8	1.1	1.3
1994	6.3	5.1	5.9	6.0	5.4	4.7	7.6	7.9	2.7	2.8	8.0	0.8	6.2	4.3	4.2	4.9	4.4	3.6	2.9	2.6	3.3	4.2	0.9	1.1
1995	5.5	4.3	5.0	5.4	5.1	4.4	7.2	7.5	2.4	2.6	7.7	0.6	6.0	4.1	3.9	4.6	4.1	3.4	2.7	2.4	3.1	4.0	0.8	1.0
1996	5.1	4.0	4.6	5.1	4.9	4.3	6.9	7.3	2.2	2.4	7.5	0.5	5.8	3.9	3.8	4.4	4.0	3.3	2.6	2.3	2.9	3.8	0.7	1.0
1997	4.9	3.7	4.3	5.0	4.8	4.2	6.7	7.2	2.1	2.3	7.4	0.5	5.7	3.8	3.7	4.3	3.8	3.2	2.5	2.2	2.8	3.7	0.7	0.9
1998	4.7	3.6	4.2	4.8	4.7	4.1	6.6	7.1	2.0	2.3	7.3	0.4	5.6	3.8	3.6	4.2	3.8	3.1	2.4	2.2	2.8	3.7	1.0	1.2
1999	4.6	3.5	4.1	4.7	4.6	4.0	6.5	7.0	2.0	2.2	7.2	0.4	5.5	3.7	3.6	4.1	3.7	3.0	2.4	2.1	2.7	3.6	1.1	1.3
2000	4.5	3.4	4.0	4.6	4.5	3.9	6.4	6.9	1.9	2.2	7.2	0.4	5.5	3.7	3.5	4.1	3.6	3.0	2.3	2.1	2.7	3.6	1.1	1.3
2001	4.5	3.4	3.9	4.5	4.4	3.9	6.4	6.9	1.9	2.1	7.1	0.3	5.4	3.6	3.5	4.0	3.6	2.9	2.3	2.1	2.7	3.6	1.1	1.3
2002	4.4	3.3	3.9	4.5	4.4	3.8	6.3	6.8	1.8	2.1	7.1	0.3	5.4	3.6	3.4	4.0	3.5	2.9	2.3	2.1	2.6	3.5	1.1	1.3
2003	4.3	3.3	3.8	4.4	4.3	3.8	6.3	6.8	1.8	2.0	7.0	0.3	5.4	3.6	3.4	3.9	3.5	2.9	2.3	2.0	2.6	3.5	1.1	1.3
2004	4.3	3.2	3.8	4.4	4.3	3.8	6.2	6.8	1.8	2.0	7.0	0.3	5.3	3.6	3.4	3.9	3.5	2.9	2.3	2.0	2.6	3.5	1.1	1.3
2005	4.3	3.2	3.7	4.3	4.3	3.7	6.2	6.7	1.7	2.0	7.0	0.3	5.3	3.5	3.4	3.9	3.5	2.8	2.2	2.0	2.6	3.5	1.1	1.3
2006	4.2	3.2	3.7	4.3	4.2	3.7	6.1	6.7	1.7	2.0	6.9	0.3	5.3	3.5	3.4	3.9	3.4	2.8	2.2	2.0	2.5	3.5	1.1	1.2
2007	4.2	3.1	3.7	4.3	4.2	3.7	6.1	6.7	1.7	2.0	6.9	0.3	5.3	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2008	4.2	3.1	3.7	4.2	4.2	3.7	6.1	6.7	1.7	1.9	6.9	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2009	4.2	3.1	3.6	4.2	4.2	3.7	6.1	6.7	1.7	1.9	6.9	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2010	4.1	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.7	1.9	6.8	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2011	4.1	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2012	4.1	3.0	3.6	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2013	4.1	3.0	3.6	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2014	4.1	3.0	3.5	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.7	3.3	2.7	2.2	1.9	2.5	3.4	1.0	1.2
2015	4.1	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.5	3.3	1.0	1.2
2016	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.8	1.9	6.8	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.5	3.3	1.0	1.2
2017	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.8	2.0	6.8	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2018	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.8	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2019	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2020	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2021	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2

A-4. Model pumping rate for Woolpunda (S8A)(Part 1/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2022	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2023	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2024	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2025	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2026	2.6	1.3	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2027	2.6	1.3	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.5	3.6	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2028	2.6	1.5	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.8	5.5	3.6	4.5	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2029	2.7	1.7	1.0	0.9	2.8	2.4	1.1	2.2	6.3	5.8	5.5	3.6	4.5	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.1
2030	2.7	1.8	1.0	1.0	2.8	2.4	1.1	2.2	6.3	5.8	5.6	3.6	4.6	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2031	2.7	1.9	1.1	1.0	2.8	2.4	1.1	2.2	6.3	5.9	6.0	3.7	4.7	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2032	2.7	1.9	1.1	1.0	2.9	2.4	1.1	2.2	6.4	5.9	6.2	3.8	4.7	3.7	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2033	2.7	2.0	1.2	1.1	2.9	2.4	1.1	2.2	6.4	6.0	6.3	3.9	4.8	3.7	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2034	2.7	2.0	1.4	1.1	2.9	2.4	1.1	2.2	6.4	6.0	6.4	4.0	4.9	3.7	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2035	2.7	2.1	1.5	1.2	2.9	2.4	1.1	2.3	6.4	6.1	6.4	4.0	4.9	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2036	2.7	2.1	1.6	1.2	3.0	2.5	1.1	2.3	7.2	6.2	6.5	4.0	4.9	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.3
2037	2.7	2.2	1.7	1.2	3.0	2.5	1.1	2.3	7.3	6.3	6.5	4.1	5.0	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.3
2038	2.7	2.2	1.8	1.3	3.0	2.5	1.1	2.3	7.4	6.3	6.6	4.1	5.0	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.4	5.4
2039	2.7	2.2	1.8	1.4	3.1	2.5	1.1	2.3	7.4	6.3	6.6	4.1	5.0	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.4	5.5
2040	2.7	2.3	1.9	1.5	3.1	2.5	1.1	2.4	7.5	6.4	6.6	4.1	5.0	3.9	4.2	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.6	1.4	5.6
2041	2.7	2.3	2.0	1.5	3.2	2.6	1.1	2.4	7.5	6.4	6.7	4.1	5.1	3.9	4.3	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.7
2042	2.7	2.3	2.0	1.6	3.3	2.6	1.2	2.4	7.6	6.4	6.7	4.2	5.1	3.9	4.3	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.8
2043	2.7	2.4	2.0	1.6	3.3	2.6	1.2	2.5	8.0	6.5	6.8	4.2	5.1	3.9	4.3	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.9
2044	2.8	2.4	2.1	1.7	3.4	2.7	1.2	2.6	8.2	6.5	6.8	4.2	5.1	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.9
2045	2.8	2.4	2.1	1.7	3.5	2.7	1.3	2.7	8.8	6.6	6.8	4.2	5.1	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.0
2046	2.8	2.4	2.1	1.7	3.5	2.7	1.3	2.8	9.1	6.7	6.9	4.3	5.2	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.1
2047	2.8	2.4	2.2	1.8	3.6	2.8	1.3	2.9	9.3	6.8	6.9	4.3	5.2	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.2
2048	2.8	2.4	2.2	1.8	3.6	2.8	1.4	3.0	9.4	6.9	7.0	4.3	5.2	4.0	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.3
2049	2.8	2.5	2.2	1.8	3.7	2.8	1.4	3.0	9.5	6.9	7.0	4.3	5.2	4.0	4.4	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.3
2050	2.8	2.5	2.2	1.8	3.7	2.9	1.4	3.0	9.6	6.9	7.0	4.3	5.2	4.0	4.4	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.4
2051	2.8	2.5	2.2	1.8	3.7	2.9	1.4	3.1	9.6	7.0	7.0	4.3	5.2	4.0	4.4	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.4
2052	2.8	2.5	2.2	1.9	3.8	2.9	1.5	3.1	9.7	7.0	7.1	4.3	5.2	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.5

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2022	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.9	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2023	4.0	2.9	3.5	4.0	4.0	3.5	5.9	6.6	1.9	2.0	6.8	0.2	5.1	3.4	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2024	4.0	2.9	3.5	4.0	4.0	3.5	5.9	6.6	2.0	2.0	6.8	0.2	5.1	3.4	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2025	4.0	2.9	3.4	4.0	3.9	3.5	5.9	6.6	2.0	2.1	6.9	0.2	5.1	3.3	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2026	4.0	2.9	3.4	4.0	3.9	3.5	5.9	6.6	2.0	2.1	6.9	0.2	5.1	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2027	3.9	2.9	3.4	4.0	3.9	3.5	5.9	6.6	2.1	2.3	7.0	0.2	5.1	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2028	3.9	2.9	3.4	4.0	3.9	3.5	5.9	6.7	2.2	2.4	7.1	0.2	5.1	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2029	3.9	2.9	3.4	4.0	3.9	3.5	5.9	6.7	2.2	2.5	7.1	0.2	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2030	4.0	2.9	3.4	4.0	3.9	3.5	5.9	6.7	2.3	2.5	7.2	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2031	4.0	2.9	3.4	3.9	3.9	3.5	5.9	6.7	2.3	2.5	7.2	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2032	4.0	2.9	3.4	3.9	3.9	3.5	5.9	6.7	2.3	2.6	7.3	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2033	4.2	3.3	3.4	4.0	4.1	3.5	6.0	6.8	2.4	2.6	7.3	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2034	4.3	3.4	3.4	4.0	4.1	3.6	6.0	6.8	2.4	2.6	7.4	0.4	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2035	4.3	3.4	3.4	4.1	4.2	3.7	6.0	6.9	2.6	2.7	7.4	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2036	4.3	3.4	3.4	4.1	4.3	3.8	6.1	7.0	2.7	2.8	7.5	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2037	4.3	3.4	3.4	4.1	4.4	3.9	6.2	7.0	2.8	2.8	7.5	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2038	4.4	3.4	3.4	4.1	4.4	3.9	6.2	7.1	2.9	2.9	7.5	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2039	4.6	3.5	3.4	4.1	4.4	3.9	6.3	7.1	3.0	2.9	7.6	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2040	4.7	3.5	3.5	4.2	4.5	4.0	6.3	7.2	3.0	3.0	7.7	0.5	5.4	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2041	4.8	3.5	3.5	4.2	4.5	4.0	6.4	7.2	3.1	3.1	7.8	0.5	5.4	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2042	4.8	3.6	3.5	4.2	4.5	4.0	6.4	7.3	3.1	3.1	7.8	0.5	5.4	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2043	4.9	3.6	3.5	4.2	4.5	4.1	6.5	7.3	3.1	3.2	7.9	0.6	5.5	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2044	5.0	3.7	3.6	4.3	4.6	4.1	6.5	7.3	3.2	3.2	7.9	0.6	5.5	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2045	5.0	3.7	3.6	4.3	4.6	4.1	6.5	7.4	3.2	3.2	8.0	0.6	5.5	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2046	5.1	3.7	3.6	4.3	4.6	4.1	6.6	7.4	3.2	3.3	8.0	0.6	5.5	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2047	5.1	3.7	3.6	4.3	4.6	4.1	6.6	7.4	3.2	3.3	8.0	0.6	5.5	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2048	5.2	3.8	3.6	4.4	4.7	4.2	6.6	7.4	3.3	3.3	8.1	0.6	5.5	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2049	5.2	3.8	3.7	4.4	4.7	4.2	6.7	7.5	3.3	3.3	8.1	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2050	5.2	3.8	3.7	4.4	4.7	4.2	6.7	7.5	3.3	3.4	8.1	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2051	5.3	3.8	3.7	4.4	4.7	4.2	6.7	7.5	3.3	3.4	8.1	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2052	5.3	3.8	3.7	4.4	4.8	4.2	6.8	7.5	3.4	3.4	8.2	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2

A-4. Model pumping rate for Woolpunda (S8A)(Part 2/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2053	2.8	2.5	2.3	1.9	3.8	2.9	1.5	3.1	9.8	7.0	7.1	4.3	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.5
2054	2.8	2.5	2.3	1.9	3.8	3.0	1.5	3.2	9.8	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.6
2055	2.8	2.5	2.3	1.9	3.9	3.0	1.5	3.2	9.9	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.6
2056	2.8	2.5	2.3	1.9	3.9	3.0	1.5	3.3	10.0	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.6
2057	2.8	2.5	2.3	1.9	3.9	3.0	1.6	3.3	10.0	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.7
2058	2.8	2.5	2.3	2.0	4.0	3.0	1.6	3.3	10.1	7.1	7.2	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.7
2059	2.8	2.5	2.3	2.0	4.0	3.0	1.6	3.4	10.1	7.2	7.2	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.7
2060	2.8	2.5	2.3	2.0	4.0	3.1	1.6	3.4	10.1	7.2	7.2	4.4	5.3	4.0	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.8
2061	2.8	2.6	2.3	2.0	4.0	3.1	1.6	3.4	10.2	7.2	7.2	4.4	5.3	4.0	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.8
2062	2.8	2.6	2.3	2.0	4.0	3.1	1.6	3.4	10.2	7.2	7.2	4.4	5.3	4.0	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.8
2063	2.8	2.6	2.3	2.0	4.0	3.1	1.6	3.4	10.2	7.2	7.2	4.4	5.3	4.1	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2064	2.8	2.6	2.4	2.0	4.1	3.1	1.6	3.4	10.2	7.2	7.2	4.4	5.3	4.1	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2065	2.8	2.6	2.4	2.0	4.1	3.1	1.6	3.5	10.3	7.2	7.2	4.4	5.3	4.1	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2066	2.8	2.6	2.4	2.0	4.1	3.1	1.6	3.5	10.3	7.3	7.2	4.4	5.3	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2067	2.8	2.6	2.4	2.0	4.1	3.1	1.7	3.5	10.3	7.3	7.3	4.4	5.3	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2068	2.8	2.6	2.4	2.0	4.1	3.1	1.7	3.5	10.3	7.3	7.3	4.4	5.3	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2069	2.8	2.6	2.4	2.1	4.1	3.1	1.7	3.5	10.3	7.3	7.3	4.4	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2070	2.8	2.6	2.4	2.1	4.1	3.2	1.7	3.5	10.4	7.3	7.3	4.4	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2071	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.5	10.4	7.3	7.3	4.4	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2072	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.5	10.4	7.3	7.3	4.4	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2073	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.5	10.4	7.3	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2074	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.4	7.3	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2075	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.4	7.3	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2076	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.4	7.3	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2077	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.3	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2078	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2079	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2080	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2081	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2082	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2083	2.8	2.6	2.4	2.1	4.2	3.2	1.7	3.6	10.5	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2053	5.3	3.9	3.7	4.5	4.8	4.3	6.8	7.5	3.4	3.4	8.2	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2054	5.4	3.9	3.8	4.5	4.8	4.3	6.8	7.6	3.4	3.4	8.2	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2055	5.4	3.9	3.8	4.5	4.8	4.3	6.8	7.6	3.4	3.5	8.2	0.7	5.6	3.5	3.3	3.6	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2056	5.4	3.9	3.8	4.5	4.8	4.3	6.8	7.6	3.4	3.5	8.2	0.7	5.6	3.5	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2057	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.6	3.4	3.5	8.3	0.7	5.7	3.5	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2058	5.5	3.9	3.8	4.6	4.9	4.3	6.9	7.6	3.5	3.5	8.3	0.8	5.7	3.5	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2059	5.5	3.9	3.8	4.6	4.9	4.3	6.9	7.6	3.5	3.5	8.3	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2060	5.5	4.0	3.8	4.6	4.9	4.4	6.9	7.7	3.5	3.5	8.3	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2061	5.5	4.0	3.8	4.6	4.9	4.4	6.9	7.7	3.5	3.5	8.3	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.2
2062	5.6	4.0	3.9	4.6	4.9	4.4	7.0	7.7	3.5	3.6	8.3	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2063	5.6	4.0	3.9	4.6	4.9	4.4	7.0	7.7	3.5	3.6	8.4	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2064	5.6	4.0	3.9	4.7	5.0	4.4	7.0	7.7	3.5	3.6	8.4	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2065	5.6	4.0	3.9	4.7	5.0	4.4	7.0	7.7	3.5	3.6	8.4	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2066	5.6	4.0	3.9	4.7	5.0	4.4	7.0	7.7	3.6	3.6	8.4	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2067	5.6	4.0	3.9	4.7	5.0	4.4	7.0	7.8	3.6	3.6	8.4	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2068	5.7	4.0	3.9	4.7	5.0	4.4	7.0	7.8	3.6	3.6	8.4	0.8	5.7	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2069	5.7	4.1	3.9	4.7	5.0	4.5	7.1	7.8	3.6	3.6	8.4	0.8	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2070	5.7	4.1	3.9	4.7	5.0	4.5	7.1	7.8	3.6	3.6	8.4	0.8	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2071	5.7	4.1	4.0	4.7	5.0	4.5	7.1	7.8	3.6	3.7	8.4	0.8	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2072	5.7	4.1	4.0	4.8	5.1	4.5	7.1	7.8	3.6	3.7	8.4	0.8	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2073	5.7	4.1	4.0	4.8	5.1	4.5	7.1	7.8	3.6	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2074	5.7	4.1	4.0	4.8	5.1	4.5	7.1	7.8	3.6	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2075	5.8	4.1	4.0	4.8	5.1	4.5	7.1	7.8	3.6	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2076	5.8	4.1	4.0	4.8	5.1	4.5	7.1	7.8	3.6	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2077	5.8	4.1	4.0	4.8	5.1	4.5	7.2	7.8	3.6	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2078	5.8	4.1	4.0	4.8	5.1	4.5	7.2	7.8	3.7	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2079	5.8	4.1	4.0	4.8	5.1	4.5	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2080	5.8	4.1	4.0	4.8	5.1	4.5	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2081	5.8	4.2	4.0	4.9	5.1	4.5	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2082	5.8	4.2	4.0	4.9	5.2	4.6	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2083	5.9	4.2	4.1	4.9	5.2	4.6	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1

A-4. Model pumping rate for Woolpunda (S8A)(Part 3/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2084	2.8	2.6	2.4	2.1	4.3	3.2	1.7	3.6	10.5	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2085	2.8	2.6	2.4	2.1	4.3	3.2	1.7	3.6	10.5	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2086	2.8	2.6	2.4	2.1	4.3	3.2	1.7	3.6	10.5	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2087	2.8	2.6	2.4	2.1	4.3	3.2	1.7	3.6	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2088	2.8	2.6	2.4	2.1	4.3	3.2	1.7	3.6	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2089	2.8	2.6	2.4	2.1	4.3	3.2	1.8	3.6	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2090	2.8	2.6	2.4	2.1	4.3	3.2	1.8	3.6	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2091	2.8	2.6	2.4	2.1	4.3	3.2	1.8	3.6	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2092	2.8	2.6	2.4	2.1	4.3	3.2	1.8	3.6	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2093	2.8	2.6	2.4	2.1	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2094	2.8	2.6	2.4	2.1	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2095	2.8	2.6	2.4	2.1	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2096	2.8	2.6	2.4	2.1	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2097	2.8	2.6	2.4	2.1	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2098	2.8	2.6	2.4	2.2	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2099	2.8	2.6	2.4	2.2	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2100	2.8	2.6	2.4	2.2	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2101	2.8	2.6	2.4	2.2	4.3	3.3	1.8	3.7	10.6	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2102	2.8	2.6	2.4	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.6	1.5	1.4	7.4
2103	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.6	1.5	1.4	7.4
2104	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2105	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2106	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2107	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2108	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5
2109	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5
2110	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5
2111	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5
2112	2.8	2.6	2.5	2.2	4.3	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5
2113	2.8	2.6	2.5	2.2	4.4	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5
2114	2.8	2.6	2.5	2.2	4.4	3.3	1.8	3.7	10.7	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.5

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2084	5.9	4.2	4.1	4.9	5.2	4.6	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2085	5.9	4.2	4.1	4.9	5.2	4.6	7.2	7.9	3.7	3.7	8.5	0.9	5.8	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2086	5.9	4.2	4.1	4.9	5.2	4.6	7.2	7.9	3.7	3.8	8.5	0.9	5.8	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2087	5.9	4.2	4.1	4.9	5.2	4.6	7.2	7.9	3.7	3.8	8.5	0.9	5.8	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2088	5.9	4.2	4.1	4.9	5.2	4.6	7.2	7.9	3.7	3.8	8.6	0.9	5.8	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2089	5.9	4.2	4.1	4.9	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2090	5.9	4.2	4.1	4.9	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2091	5.9	4.2	4.1	4.9	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2092	5.9	4.2	4.1	4.9	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2093	5.9	4.2	4.1	5.0	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2094	6.0	4.2	4.1	5.0	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2095	6.0	4.2	4.1	5.0	5.2	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2096	6.0	4.2	4.1	5.0	5.3	4.6	7.3	7.9	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2097	6.0	4.2	4.1	5.0	5.3	4.6	7.3	8.0	3.7	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2098	6.0	4.2	4.1	5.0	5.3	4.6	7.3	8.0	3.8	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2099	6.0	4.3	4.1	5.0	5.3	4.6	7.3	8.0	3.8	3.8	8.6	0.9	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2100	6.0	4.3	4.1	5.0	5.3	4.6	7.3	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2101	6.0	4.3	4.2	5.0	5.3	4.6	7.3	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2102	6.0	4.3	4.2	5.0	5.3	4.7	7.3	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2103	6.0	4.3	4.2	5.0	5.3	4.7	7.3	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2104	6.0	4.3	4.2	5.0	5.3	4.7	7.3	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2105	6.0	4.3	4.2	5.0	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2106	6.0	4.3	4.2	5.0	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2107	6.0	4.3	4.2	5.0	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2108	6.0	4.3	4.2	5.0	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2109	6.1	4.3	4.2	5.0	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2110	6.1	4.3	4.2	5.1	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2111	6.1	4.3	4.2	5.1	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2112	6.1	4.3	4.2	5.1	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2113	6.1	4.3	4.2	5.1	5.3	4.7	7.4	8.0	3.8	3.8	8.6	1.0	5.9	3.7	3.4	3.8	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2114	6.1	4.3	4.2	5.1	5.3	4.7	7.4	8.0	3.8	3.9	8.6	1.0	5.9	3.7	3.4	3.8	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1

A-4. Model pumping rate for Woolpunda (S8A)(Part 4/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.7	10.7	8.3	9.2	7.2	8.9	7.5	8.3	7.9	8.1	9.7
1993	1.6	2.3	0.0	2.5	5.9	0.0	2.0	1.6	2.3	0.0	2.5	5.9	0.0	2.0	3.4	8.4	6.5	7.2	5.2	6.6	5.4	6.1	5.8	6.1	7.5
1994	1.3	1.5	1.8	1.6	4.1	3.6	1.6	1.3	1.5	1.8	1.6	4.1	3.6	1.4	3.1	7.8	5.9	6.6	4.5	5.8	4.7	5.4	5.2	5.5	6.8
1995	1.2	1.3	1.4	1.3	3.7	3.0	1.4	1.2	1.3	1.4	1.3	3.7	3.0	1.2	2.9	7.4	5.6	6.2	4.3	5.4	4.4	5.1	4.9	5.1	6.4
1996	1.1	1.1	1.2	1.2	3.5	2.9	1.4	1.2	1.1	1.2	1.2	3.5	2.9	1.2	2.7	7.2	5.4	6.0	4.1	5.2	4.2	4.9	4.7	5.0	6.2
1997	1.1	1.1	1.1	1.2	3.4	2.8	1.4	1.2	1.1	1.1	1.2	3.3	2.8	1.2	2.6	7.0	5.3	5.9	4.0	5.1	4.1	4.7	4.5	4.8	6.0
1998	1.1	1.1	1.0	1.1	3.3	2.7	1.3	1.2	1.1	1.0	1.1	3.3	2.7	1.1	2.6	6.9	5.2	5.8	3.9	5.0	4.0	4.6	4.4	4.7	5.9
1999	1.1	1.0	1.0	1.1	3.2	2.7	1.3	1.2	1.0	1.0	1.1	3.2	2.7	1.1	2.5	6.8	5.1	5.7	3.8	4.9	3.9	4.5	4.3	4.6	5.8
2000	1.1	1.0	1.0	1.1	3.2	2.7	1.3	1.2	1.0	1.0	1.1	3.2	2.6	1.1	2.5	6.7	5.1	5.6	3.8	4.8	3.9	4.5	4.3	4.6	5.8
2001	1.2	1.0	1.0	1.0	3.1	2.6	1.2	1.3	1.0	1.0	1.0	3.1	2.6	1.0	2.4	6.6	5.0	5.5	3.7	4.8	3.8	4.4	4.2	4.5	5.7
2002	1.3	1.0	0.9	1.0	3.1	2.6	1.2	1.4	1.0	0.9	1.0	3.1	2.6	1.0	2.4	6.5	5.0	5.5	3.7	4.7	3.8	4.4	4.2	4.5	5.7
2003	1.3	1.0	0.9	1.0	3.0	2.6	1.2	1.4	1.0	0.9	1.0	3.0	2.6	1.0	2.4	6.5	4.9	5.4	3.7	4.7	3.8	4.3	4.1	4.4	5.6
2004	1.3	1.0	0.9	1.0	3.0	2.6	1.2	1.4	1.0	0.9	1.0	3.0	2.5	1.0	2.3	6.4	4.9	5.4	3.7	4.7	3.7	4.3	4.1	4.4	5.6
2005	1.3	1.0	0.9	1.0	3.0	2.6	1.2	1.4	1.0	0.9	1.0	3.0	2.5	1.0	2.3	6.4	4.8	5.4	3.6	4.6	3.7	4.3	4.1	4.4	5.5
2006	1.3	1.0	0.9	1.0	3.0	2.6	1.2	1.4	1.0	0.9	1.0	3.0	2.5	1.0	2.3	6.3	4.8	5.3	3.6	4.6	3.7	4.2	4.0	4.3	5.5
2007	1.4	1.0	0.9	1.0	3.0	2.5	1.2	1.4	1.0	0.9	1.0	3.0	2.5	1.0	2.3	6.3	4.8	5.3	3.6	4.6	3.7	4.2	4.0	4.3	5.5
2008	1.4	1.0	0.9	1.0	2.9	2.5	1.1	1.4	1.0	0.9	1.0	2.9	2.5	0.9	2.3	6.3	5.0	5.5	3.6	4.6	3.7	4.2	4.0	4.3	5.8
2009	1.4	1.0	0.9	1.0	2.9	2.5	1.1	1.4	1.0	0.9	1.0	2.9	2.5	0.9	2.3	6.3	5.0	5.5	3.6	4.5	3.6	4.2	4.0	4.3	5.9
2010	1.4	1.0	0.9	1.0	2.9	2.5	1.1	1.4	1.0	0.9	1.0	2.9	2.5	0.9	2.2	6.2	5.0	5.5	3.6	4.5	3.6	4.2	3.9	4.3	5.9
2011	1.4	1.0	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.5	0.9	2.2	6.2	4.9	5.5	3.6	4.5	3.6	4.2	3.9	4.3	5.9
2012	1.4	1.0	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.5	0.9	2.2	6.2	4.9	5.5	3.5	4.5	3.6	4.1	3.9	4.3	5.9
2013	1.9	1.0	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.4	0.9	2.2	6.4	5.7	5.5	3.5	4.5	3.6	4.1	3.9	4.3	5.8
2014	2.2	1.1	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.4	0.9	2.2	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8
2015	2.3	1.1	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.4	0.9	2.2	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8
2016	2.4	1.1	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.4	0.9	2.2	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8
2017	2.5	1.1	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.9	2.4	0.9	2.2	6.4	5.7	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8
2018	2.5	1.1	0.9	0.9	2.9	2.5	1.1	1.4	1.0	0.9	0.9	2.8	2.4	0.9	2.2	6.3	5.7	5.4	3.5	4.4	3.6	4.1	3.9	4.3	5.8
2019	2.5	1.1	0.9	0.9	2.8	2.5	1.1	1.4	1.0	0.9	0.9	2.8	2.4	0.9	2.2	6.3	5.7	5.4	3.5	4.4	3.6	4.1	3.9	4.2	5.8
2020	2.5	1.1	0.9	0.9	2.8	2.5	1.1	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8
2021	2.5	1.1	0.9	0.9	2.8	2.5	1.1	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	9.0	6.9	11.5	11.7	4.9	4.7	10.3	2.3	8.2	6.0	5.9	7.1	6.7	5.8	4.7	4.2	5.2	6.2	1.9	1.7
1993	8.6	7.2	8.6	7.6	6.0	5.2	8.5	8.8	3.2	3.3	8.7	1.2	6.8	4.8	4.6	5.5	5.0	4.2	3.3	3.0	3.8	4.8	1.1	1.3
1994	6.3	5.1	5.9	6.0	5.4	4.7	7.6	7.9	2.7	2.8	8.0	0.8	6.2	4.3	4.2	4.9	4.4	3.6	2.9	2.6	3.3	4.2	0.9	1.1
1995	5.5	4.3	5.0	5.4	5.1	4.4	7.2	7.5	2.4	2.6	7.7	0.6	6.0	4.1	3.9	4.6	4.1	3.4	2.7	2.4	3.1	4.0	0.8	1.0
1996	5.1	4.0	4.6	5.1	4.9	4.2	6.9	7.3	2.2	2.4	7.5	0.5	5.8	3.9	3.8	4.4	4.0	3.3	2.6	2.3	2.9	3.8	0.7	1.0
1997	4.9	3.7	4.3	5.0	4.8	4.1	6.7	7.2	2.1	2.3	7.4	0.5	5.7	3.8	3.7	4.3	3.8	3.2	2.5	2.2	2.8	3.7	0.7	0.9
1998	4.7	3.6	4.2	4.8	4.7	4.0	6.6	7.1	2.0	2.3	7.3	0.4	5.6	3.8	3.6	4.2	3.8	3.1	2.4	2.2	2.8	3.7	1.0	1.2
1999	4.6	3.5	4.1	4.7	4.6	4.0	6.5	7.0	2.0	2.2	7.2	0.4	5.5	3.7	3.6	4.1	3.7	3.0	2.4	2.1	2.7	3.6	1.1	1.3
2000	4.5	3.4	4.0	4.6	4.5	3.9	6.4	6.9	1.9	2.2	7.2	0.4	5.5	3.7	3.5	4.1	3.6	3.0	2.3	2.1	2.7	3.6	1.1	1.3
2001	4.5	3.4	3.9	4.5	4.4	3.9	6.3	6.9	1.9	2.1	7.1	0.3	5.4	3.6	3.5	4.0	3.6	2.9	2.3	2.1	2.7	3.6	1.1	1.3
2002	4.4	3.3	3.9	4.5	4.4	3.8	6.3	6.8	1.8	2.1	7.1	0.3	5.4	3.6	3.4	4.0	3.5	2.9	2.3	2.1	2.6	3.5	1.1	1.3
2003	4.3	3.3	3.8	4.4	4.3	3.8	6.2	6.8	1.8	2.0	7.0	0.3	5.4	3.6	3.4	3.9	3.5	2.9	2.3	2.0	2.6	3.5	1.1	1.3
2004	4.3	3.2	3.8	4.4	4.3	3.7	6.2	6.8	1.8	2.0	7.0	0.3	5.3	3.6	3.4	3.9	3.5	2.9	2.3	2.0	2.6	3.5	1.1	1.3
2005	4.3	3.2	3.7	4.3	4.3	3.7	6.2	6.7	1.7	2.0	7.0	0.3	5.3	3.5	3.4	3.9	3.5	2.8	2.2	2.0	2.6	3.5	1.1	1.3
2006	4.2	3.2	3.7	4.3	4.2	3.7	6.1	6.7	1.7	2.0	6.9	0.3	5.3	3.5	3.4	3.9	3.4	2.8	2.2	2.0	2.5	3.5	1.1	1.2
2007	4.2	3.1	3.7	4.3	4.2	3.7	6.1	6.7	1.7	2.0	6.9	0.3	5.3	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2008	4.2	3.1	3.6	4.2	4.2	3.7	6.1	6.7	1.7	1.9	6.9	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2009	4.2	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.7	1.9	6.9	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2010	4.1	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2011	4.1	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2012	4.1	3.0	3.6	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2013	4.1	3.0	3.6	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2014	4.1	3.0	3.5	4.1	4.1	3.6	5.9	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.7	3.3	2.7	2.2	1.9	2.5	3.4	1.0	1.2
2015	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.5	3.3	1.0	1.2
2016	4.0	3.0	3.5	4.1	4.0	3.5	5.9	6.6	1.8	1.9	6.8	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.5	3.3	1.0	1.2
2017	4.0	3.0	3.5	4.1	4.0	3.5	5.9	6.5	1.8	2.0	6.8	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2018	4.0	3.0	3.5	4.1	4.0	3.5	5.9	6.5	1.8	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2019	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2020	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2021	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2

A-4. Model pumping rate for Woolpunda (S8B)(Part 1/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2022	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2023	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2024	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2025	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2026	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.2	5.7	5.3	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2027	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.2	5.7	5.3	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.0
2028	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.2	5.7	5.3	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.0
2029	1.4	0.9	0.9	0.9	2.8	2.4	0.9	2.1	6.2	5.7	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2030	1.4	0.9	0.9	0.9	2.8	2.4	0.8	2.1	6.2	5.7	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2031	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2032	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2033	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2034	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2035	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2036	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2037	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.0
2038	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.2	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.4	5.0
2039	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.2	2.7	1.7	1.6	1.4	5.0
2040	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.2	2.7	1.7	1.6	1.4	5.0
2041	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.0
2042	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.0
2043	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.0
2044	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2045	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2046	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2047	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2048	1.4	0.9	0.8	0.9	2.8	2.4	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2049	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.3	3.4	4.3	3.5	4.0	3.8	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2050	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	5.0
2051	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2052	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2022	4.0	2.9	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2023	4.0	2.9	3.5	4.0	4.0	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2024	4.0	2.9	3.5	4.0	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.3	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2025	3.9	2.9	3.4	4.0	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.3	3.2	3.7	3.2	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2026	3.9	2.9	3.4	4.0	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2027	3.9	2.9	3.4	4.0	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2028	3.9	2.9	3.4	4.0	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2029	3.9	2.9	3.4	4.0	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.1	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2030	3.9	2.9	3.4	3.9	3.9	3.5	5.8	6.5	1.8	1.9	6.7	0.2	5.0	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2031	3.9	2.9	3.4	3.9	3.9	3.5	5.8	6.5	1.7	1.9	6.7	0.2	5.0	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2032	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.5	1.7	1.9	6.7	0.2	5.0	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2033	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.5	1.7	1.9	6.6	0.2	5.0	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2034	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2035	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2036	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2037	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2038	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2039	3.9	2.9	3.4	3.9	3.9	3.4	5.8	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2040	3.9	2.9	3.4	3.9	3.9	3.4	5.7	6.4	1.7	1.9	6.6	0.2	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2041	3.9	2.9	3.4	3.9	3.9	3.4	5.7	6.4	1.7	1.9	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2042	3.9	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.9	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2043	3.9	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.9	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2044	3.9	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.9	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2045	3.9	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.9	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2046	3.9	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.9	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2047	3.8	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2048	3.8	2.9	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.2	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2049	3.8	2.8	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2050	3.8	2.8	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2051	3.8	2.8	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.4	3.2	1.0	1.1
2052	3.8	2.8	3.4	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.4	3.2	1.0	1.1

A-4. Model pumping rate for Woolpunda (S8B)(Part 2/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2053	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2054	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2055	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2056	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2057	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2058	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2059	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2060	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.6	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2061	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.1	6.1	5.5	5.2	3.4	4.3	3.5	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2062	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.1	5.5	5.2	3.4	4.3	3.4	4.0	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2063	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.1	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.7	1.5	1.4	4.9
2064	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.1	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2065	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2066	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2067	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2068	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2069	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2070	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2071	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2072	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2073	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2074	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2075	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.7	1.6	1.5	1.4	4.9
2076	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2077	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2078	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2079	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2080	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2081	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2082	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2083	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2053	3.8	2.8	3.3	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2054	3.8	2.8	3.3	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2055	3.8	2.8	3.3	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2056	3.8	2.8	3.3	3.9	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2057	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2058	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.6	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2059	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2060	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.1	1.8	2.3	3.2	1.0	1.1
2061	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2062	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2063	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2064	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2065	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2066	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	5.0	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2067	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	4.9	3.3	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2068	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2069	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.6	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2070	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2071	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2072	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2073	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2074	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2075	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2076	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2077	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	1.0	1.1
2078	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2079	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2080	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2081	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2082	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2083	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1

A-4. Model pumping rate for Woolpunda (S8B)(Part 3/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2084	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2085	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2086	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2087	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2088	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2089	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2090	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2091	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2092	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2093	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2094	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2095	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2096	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2097	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2098	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2099	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2100	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2101	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2102	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2103	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.2	2.6	1.6	1.5	1.4	4.9
2104	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2105	1.4	0.9	0.8	0.9	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2106	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2107	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2108	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2109	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2110	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2111	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2112	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2113	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9
2114	1.4	0.9	0.8	0.8	2.7	2.3	0.8	2.0	6.0	5.5	5.2	3.4	4.3	3.4	3.9	3.7	4.1	5.6	5.1	4.1	2.6	1.6	1.5	1.4	4.9

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2084	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2085	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2086	3.8	2.8	3.3	3.8	3.8	3.4	5.7	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2087	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2088	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2089	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.4	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2090	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.6	2.0	1.8	2.3	3.2	0.9	1.1
2091	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.7	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2092	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2093	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2094	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2095	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2096	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2097	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2098	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2099	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2100	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2101	3.8	2.8	3.3	3.8	3.8	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2102	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2103	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2104	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2105	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2106	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2107	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2108	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2109	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2110	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2111	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2112	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2113	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1
2114	3.8	2.8	3.3	3.8	3.7	3.3	5.6	6.3	1.6	1.8	6.5	0.1	4.9	3.2	3.1	3.5	3.1	2.5	2.0	1.8	2.3	3.2	0.9	1.1

A-4. Model pumping rate for Woolpunda (S8B)(Part 4/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.7	10.7	8.3	9.2	7.2	8.9	7.5	8.3	7.9	8.1	9.7	9.0	7.3	5.8	3.9	3.6	3.3	0.0
1993	1.6	2.3	0.0	2.5	5.9	0.0	2.0	3.4	8.4	6.5	7.2	5.2	6.6	5.4	6.1	5.8	6.1	7.5	6.8	5.5	4.3	2.8	2.6	2.5	8.6
1994	1.3	1.5	1.8	1.6	4.1	3.6	1.6	3.1	7.8	5.9	6.6	4.5	5.8	4.7	5.4	5.2	5.5	6.8	6.1	4.9	3.8	2.4	2.3	2.2	7.0
1995	1.2	1.3	1.4	1.3	3.7	3.0	1.4	3.0	7.4	5.6	6.2	4.3	5.4	4.4	5.1	4.9	5.1	6.4	5.8	4.6	3.6	2.3	2.1	2.0	6.3
1996	1.1	1.1	1.2	1.2	3.5	2.9	1.4	2.8	7.2	5.4	6.0	4.1	5.2	4.2	4.9	4.7	5.0	6.2	5.6	4.5	3.4	2.2	2.0	1.9	6.0
1997	1.1	1.1	1.1	1.2	3.4	2.8	1.4	2.7	7.0	5.3	5.9	4.0	5.1	4.1	4.7	4.5	4.8	6.0	5.5	4.4	3.3	2.1	2.0	1.9	5.9
1998	1.1	1.1	1.0	1.1	3.3	2.7	1.3	2.7	6.9	5.2	5.8	3.9	5.0	4.0	4.6	4.4	4.7	5.9	5.4	4.4	3.2	2.1	1.9	1.8	5.7
1999	1.1	1.0	1.0	1.1	3.2	2.7	1.3	2.6	6.8	5.1	5.7	3.8	4.9	3.9	4.5	4.3	4.6	5.8	5.3	4.4	3.2	2.0	1.9	1.8	5.6
2000	1.1	1.0	1.0	1.1	3.2	2.7	1.3	2.6	6.7	5.1	5.6	3.8	4.8	3.9	4.5	4.3	4.6	5.8	5.3	4.3	3.1	2.0	1.8	1.8	5.6
2001	1.2	1.0	1.0	1.0	3.1	2.6	1.2	2.5	6.6	5.0	5.5	3.7	4.8	3.8	4.4	4.2	4.5	5.7	5.2	4.3	3.1	2.0	1.8	1.7	5.5
2002	1.3	1.0	0.9	1.0	3.1	2.6	1.2	2.5	6.5	5.0	5.5	3.7	4.7	3.8	4.4	4.2	4.5	5.7	5.2	4.3	3.1	1.9	1.8	1.7	5.5
2003	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.5	6.5	4.9	5.4	3.7	4.7	3.8	4.3	4.1	4.4	5.6	5.4	4.5	3.0	1.9	1.8	1.7	5.4
2004	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.4	6.4	4.9	5.4	3.7	4.7	3.7	4.3	4.1	4.4	5.6	5.4	4.6	3.0	1.9	1.8	1.7	5.4
2005	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.4	6.4	4.8	5.4	3.6	4.6	3.7	4.3	4.1	4.4	5.5	5.4	4.5	3.0	1.9	1.7	1.7	5.3
2006	1.3	1.0	0.9	1.0	3.0	2.6	1.2	2.4	6.4	4.8	5.3	3.6	4.6	3.7	4.2	4.0	4.3	5.5	5.4	4.5	3.0	1.9	1.7	1.6	5.3
2007	1.4	1.0	0.9	1.0	3.0	2.5	1.2	2.4	6.3	4.8	5.3	3.6	4.6	3.7	4.2	4.0	4.3	5.5	5.3	4.5	2.9	1.8	1.7	1.6	5.3
2008	1.4	1.0	0.9	1.0	2.9	2.5	1.1	2.4	6.3	5.0	5.5	3.6	4.6	3.7	4.2	4.0	4.3	5.8	5.3	4.5	2.9	1.8	1.7	1.6	5.3
2009	1.4	1.0	0.9	1.0	2.9	2.5	1.1	2.4	6.3	5.0	5.5	3.6	4.5	3.6	4.2	4.0	4.3	5.9	5.3	4.5	2.9	1.8	1.7	1.6	5.3
2010	1.4	1.0	0.9	1.0	2.9	2.5	1.1	2.3	6.2	5.0	5.5	3.6	4.5	3.6	4.2	3.9	4.3	5.9	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2011	1.4	1.0	0.9	0.9	2.9	2.5	1.1	2.3	6.2	5.0	5.5	3.6	4.5	3.6	4.2	3.9	4.3	5.9	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2012	1.4	1.0	0.9	0.9	2.9	2.5	1.1	2.3	6.2	4.9	5.5	3.5	4.5	3.6	4.1	3.9	4.3	5.9	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2013	1.9	1.0	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.7	5.5	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.9	1.8	1.7	1.6	5.2
2014	2.2	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.7	1.6	5.2
2015	2.3	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.2	4.4	2.8	1.8	1.6	1.5	5.2
2016	2.4	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.8	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.6	1.5	5.2
2017	2.5	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.4	5.7	5.4	3.5	4.5	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.6	1.5	5.1
2018	2.5	1.1	0.9	0.9	2.9	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.6	4.1	3.9	4.3	5.8	5.3	4.4	2.8	1.8	1.6	1.5	5.1
2019	2.5	1.1	0.9	0.9	2.8	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.6	4.1	3.9	4.2	5.8	5.3	4.3	2.8	1.8	1.6	1.5	5.1
2020	2.5	1.1	0.9	0.9	2.8	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.3	4.3	2.8	1.7	1.6	1.5	5.1
2021	2.5	1.1	0.9	0.9	2.8	2.5	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.3	4.3	2.8	1.7	1.6	1.5	5.1

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
1991	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	9.0	6.9	11.5	11.7	4.9	4.7	10.3	2.3	8.2	6.0	5.9	7.1	6.7	5.8	4.7	4.2	5.2	6.2	1.9	1.7
1993	8.6	7.2	8.6	7.6	6.0	5.2	8.5	8.8	3.2	3.3	8.7	1.2	6.8	4.8	4.6	5.5	5.0	4.2	3.3	3.0	3.8	4.8	1.1	1.3
1994	6.3	5.1	5.9	6.0	5.4	4.7	7.6	7.9	2.7	2.8	8.0	0.8	6.2	4.3	4.2	4.9	4.4	3.6	2.9	2.6	3.3	4.2	0.9	1.1
1995	5.5	4.3	5.0	5.4	5.1	4.4	7.2	7.5	2.4	2.6	7.7	0.6	6.0	4.1	3.9	4.6	4.1	3.4	2.7	2.4	3.1	4.0	0.8	1.0
1996	5.1	4.0	4.6	5.1	4.9	4.3	6.9	7.3	2.2	2.4	7.5	0.5	5.8	3.9	3.8	4.4	4.0	3.3	2.6	2.3	2.9	3.8	0.7	1.0
1997	4.9	3.7	4.3	5.0	4.8	4.2	6.7	7.2	2.1	2.3	7.4	0.5	5.7	3.8	3.7	4.3	3.8	3.2	2.5	2.2	2.8	3.7	0.7	0.9
1998	4.7	3.6	4.2	4.8	4.7	4.1	6.6	7.1	2.0	2.3	7.3	0.4	5.6	3.8	3.6	4.2	3.8	3.1	2.4	2.2	2.8	3.7	1.0	1.2
1999	4.6	3.5	4.1	4.7	4.6	4.0	6.5	7.0	2.0	2.2	7.2	0.4	5.5	3.7	3.6	4.1	3.7	3.0	2.4	2.1	2.7	3.6	1.1	1.3
2000	4.5	3.4	4.0	4.6	4.5	3.9	6.4	6.9	1.9	2.2	7.2	0.4	5.5	3.7	3.5	4.1	3.6	3.0	2.3	2.1	2.7	3.6	1.1	1.3
2001	4.5	3.4	3.9	4.5	4.4	3.9	6.4	6.9	1.9	2.1	7.1	0.3	5.4	3.6	3.5	4.0	3.6	2.9	2.3	2.1	2.7	3.6	1.1	1.3
2002	4.4	3.3	3.9	4.5	4.4	3.8	6.3	6.8	1.8	2.1	7.1	0.3	5.4	3.6	3.4	4.0	3.5	2.9	2.3	2.1	2.6	3.5	1.1	1.3
2003	4.3	3.3	3.8	4.4	4.3	3.8	6.3	6.8	1.8	2.0	7.0	0.3	5.4	3.6	3.4	3.9	3.5	2.9	2.3	2.0	2.6	3.5	1.1	1.3
2004	4.3	3.2	3.8	4.4	4.3	3.8	6.2	6.8	1.8	2.0	7.0	0.3	5.3	3.6	3.4	3.9	3.5	2.9	2.3	2.0	2.6	3.5	1.1	1.3
2005	4.3	3.2	3.7	4.3	4.3	3.7	6.2	6.7	1.7	2.0	7.0	0.3	5.3	3.5	3.4	3.9	3.5	2.8	2.2	2.0	2.6	3.5	1.1	1.3
2006	4.2	3.2	3.7	4.3	4.2	3.7	6.1	6.7	1.7	2.0	6.9	0.3	5.3	3.5	3.4	3.9	3.4	2.8	2.2	2.0	2.5	3.5	1.1	1.2
2007	4.2	3.1	3.7	4.3	4.2	3.7	6.1	6.7	1.7	2.0	6.9	0.3	5.3	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2008	4.2	3.1	3.7	4.2	4.2	3.7	6.1	6.7	1.7	1.9	6.9	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2009	4.2	3.1	3.6	4.2	4.2	3.7	6.1	6.7	1.7	1.9	6.9	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2010	4.1	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.7	1.9	6.8	0.2	5.2	3.5	3.3	3.8	3.4	2.8	2.2	2.0	2.5	3.4	1.1	1.2
2011	4.1	3.1	3.6	4.2	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2012	4.1	3.0	3.6	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2013	4.1	3.0	3.6	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.8	3.3	2.7	2.2	1.9	2.5	3.4	1.1	1.2
2014	4.1	3.0	3.5	4.1	4.1	3.6	6.0	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.3	3.7	3.3	2.7	2.2	1.9	2.5	3.4	1.0	1.2
2015	4.1	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.6	1.9	6.8	0.2	5.2	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.5	3.3	1.0	1.2
2016	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.8	1.9	6.8	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.5	3.3	1.0	1.2
2017	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.8	2.0	6.8	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2018	4.0	3.0	3.5	4.1	4.0	3.6	5.9	6.6	1.8	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2019	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	2.0	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2020	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2021	4.0	3.0	3.5	4.0	4.0	3.5	5.9	6.5	1.8	1.9	6.7	0.2	5.1	3.4	3.2	3.7	3.3	2.7	2.1	1.9	2.4	3.3	1.0	1.2

A-4. Model pumping rate for Woolpunda (S8C)(Part 1/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2022	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.1	3.8	4.2	5.8	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2023	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.3	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2024	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2025	2.6	1.2	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2026	2.6	1.3	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.4	3.5	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2027	2.6	1.3	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.7	5.4	3.5	4.5	3.6	4.0	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2028	2.6	1.5	0.9	0.9	2.8	2.4	1.1	2.2	6.3	5.8	5.5	3.6	4.5	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.8	1.7	1.6	1.5	5.1
2029	2.7	1.7	1.0	0.9	2.8	2.4	1.1	2.2	6.3	5.8	5.5	3.6	4.5	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.1
2030	2.7	1.8	1.0	1.0	2.8	2.4	1.1	2.2	6.3	5.8	5.6	3.6	4.6	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2031	2.7	1.9	1.1	1.0	2.8	2.4	1.1	2.2	6.3	5.9	6.0	3.7	4.7	3.6	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2032	2.7	1.9	1.1	1.0	2.9	2.4	1.1	2.2	6.4	5.9	6.2	3.8	4.7	3.7	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2033	2.7	2.0	1.2	1.1	2.9	2.4	1.1	2.2	6.4	6.0	6.3	3.9	4.8	3.7	4.1	3.8	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2034	2.7	2.0	1.4	1.1	2.9	2.4	1.1	2.2	6.4	6.0	6.4	4.0	4.9	3.7	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2035	2.7	2.1	1.5	1.2	2.9	2.4	1.1	2.3	6.4	6.1	6.4	4.0	4.9	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.2
2036	2.7	2.1	1.6	1.2	3.0	2.5	1.1	2.3	7.2	6.2	6.5	4.0	4.9	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.3
2037	2.7	2.2	1.7	1.2	3.0	2.5	1.1	2.3	7.3	6.3	6.5	4.1	5.0	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.5	5.3
2038	2.7	2.2	1.8	1.3	3.0	2.5	1.1	2.3	7.4	6.3	6.6	4.1	5.0	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.4	5.4
2039	2.7	2.2	1.8	1.4	3.1	2.5	1.1	2.3	7.4	6.3	6.6	4.1	5.0	3.8	4.2	3.9	4.2	5.7	5.2	4.3	2.7	1.7	1.6	1.4	5.5
2040	2.7	2.3	1.9	1.5	3.1	2.5	1.1	2.4	7.5	6.4	6.6	4.1	5.0	3.9	4.2	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.6	1.4	5.6
2041	2.7	2.3	2.0	1.5	3.2	2.6	1.1	2.4	7.5	6.4	6.7	4.1	5.1	3.9	4.3	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.7
2042	2.7	2.3	2.0	1.6	3.3	2.6	1.2	2.4	7.6	6.4	6.7	4.2	5.1	3.9	4.3	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.8
2043	2.7	2.4	2.0	1.6	3.3	2.6	1.2	2.5	8.0	6.5	6.8	4.2	5.1	3.9	4.3	3.9	4.2	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.9
2044	2.8	2.4	2.1	1.7	3.4	2.7	1.2	2.6	8.2	6.5	6.8	4.2	5.1	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	5.9
2045	2.8	2.4	2.1	1.7	3.5	2.7	1.3	2.7	8.8	6.6	6.8	4.2	5.1	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.0
2046	2.8	2.4	2.1	1.7	3.6	2.7	1.3	2.8	9.1	6.7	6.9	4.3	5.2	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.1
2047	2.8	2.4	2.2	1.8	3.7	2.8	1.3	2.9	9.3	6.8	6.9	4.3	5.2	3.9	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.2
2048	2.8	2.4	2.2	1.8	3.7	2.8	1.4	3.0	9.4	6.9	7.0	4.3	5.2	4.0	4.3	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.3
2049	2.8	2.5	2.2	1.8	3.8	2.8	1.4	3.0	9.5	6.9	7.0	4.3	5.2	4.0	4.4	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.3
2050	2.8	2.5	2.2	1.8	3.8	2.9	1.4	3.0	9.6	6.9	7.0	4.3	5.2	4.0	4.4	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.4
2051	2.8	2.5	2.2	1.9	3.8	2.9	1.4	3.1	9.6	7.0	7.0	4.3	5.2	4.0	4.4	4.0	4.3	5.7	5.2	4.2	2.7	1.7	1.5	1.4	6.4
2052	2.8	2.5	2.2	1.9	3.9	2.9	1.5	3.1	9.7	7.0	7.1	4.3	5.2	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.5

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2022	4.0	2.9	3.4	4.0	3.9	3.5	5.9	6.6	2.0	2.1	6.9	0.2	5.1	3.3	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2023	3.9	2.9	3.4	4.0	3.9	3.5	5.9	6.6	2.1	2.3	7.0	0.2	5.1	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2024	3.9	2.9	3.4	4.0	3.9	3.5	5.9	6.7	2.2	2.4	7.1	0.2	5.1	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2025	3.9	2.9	3.4	4.0	3.9	3.5	5.9	6.7	2.2	2.5	7.1	0.2	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2026	4.0	2.9	3.4	4.0	3.9	3.5	5.9	6.7	2.3	2.5	7.2	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2027	4.0	2.9	3.4	3.9	3.9	3.5	5.9	6.7	2.3	2.5	7.2	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2028	4.0	2.9	3.4	3.9	3.9	3.5	5.9	6.7	2.3	2.6	7.3	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2029	4.2	3.3	3.4	4.0	4.1	3.5	6.0	6.8	2.4	2.6	7.3	0.3	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2030	4.3	3.4	3.4	4.0	4.1	3.6	6.0	6.8	2.4	2.6	7.4	0.4	5.2	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.3	1.0	1.1
2031	4.3	3.4	3.4	4.1	4.2	3.7	6.0	6.9	2.6	2.7	7.4	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2032	4.3	3.4	3.4	4.1	4.3	3.8	6.1	7.0	2.7	2.8	7.5	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2033	4.3	3.4	3.4	4.1	4.4	3.9	6.2	7.0	2.8	2.8	7.5	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2034	4.4	3.4	3.4	4.1	4.4	3.9	6.2	7.1	2.9	2.9	7.5	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2035	4.6	3.5	3.5	4.1	4.4	3.9	6.3	7.1	3.0	2.9	7.6	0.4	5.3	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2036	4.7	3.5	3.5	4.2	4.5	4.0	6.3	7.2	3.0	3.0	7.7	0.5	5.4	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2037	4.8	3.5	3.5	4.2	4.5	4.0	6.4	7.2	3.1	3.1	7.8	0.5	5.4	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2038	4.8	3.6	3.5	4.2	4.5	4.0	6.4	7.3	3.1	3.1	7.8	0.5	5.4	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2039	4.9	3.6	3.5	4.2	4.5	4.1	6.5	7.3	3.1	3.2	7.9	0.6	5.5	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2040	5.0	3.7	3.6	4.3	4.6	4.1	6.5	7.3	3.2	3.2	7.9	0.6	5.5	3.4	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2041	5.0	3.7	3.6	4.3	4.6	4.1	6.5	7.4	3.2	3.2	8.0	0.6	5.5	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2042	5.1	3.7	3.6	4.3	4.6	4.1	6.6	7.4	3.2	3.3	8.1	0.6	5.5	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2043	5.1	3.7	3.6	4.3	4.6	4.1	6.6	7.4	3.3	3.4	8.2	0.7	5.6	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2044	5.2	3.8	3.6	4.4	4.7	4.2	6.6	7.5	3.3	3.5	8.4	0.8	5.7	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2045	5.2	3.8	3.7	4.4	4.7	4.2	6.7	7.5	3.4	3.5	8.5	0.9	5.8	3.5	3.2	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2046	5.2	3.8	3.7	4.4	4.7	4.2	6.7	7.5	3.4	3.6	8.6	1.0	5.8	3.6	3.3	3.6	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2047	5.3	3.8	3.7	4.4	4.7	4.2	6.8	7.6	3.5	3.7	8.8	1.3	6.0	3.6	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2048	5.3	3.8	3.7	4.4	4.8	4.2	6.8	7.6	3.5	3.8	8.9	1.5	6.1	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2049	5.3	3.9	3.7	4.5	4.8	4.3	6.8	7.6	3.6	3.9	9.0	1.6	6.2	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2050	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.7	3.6	4.0	9.1	1.7	6.3	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2051	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.7	3.7	4.0	9.2	1.8	6.3	3.8	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2052	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.7	3.7	4.1	9.3	1.9	6.4	3.8	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2

A-4. Model pumping rate for Woolpunda (S8C)(Part 2/4)

Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2053	2.8	2.5	2.3	1.9	3.9	2.9	1.5	3.1	9.8	7.0	7.1	4.3	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.5
2054	2.8	2.5	2.3	1.9	3.9	3.0	1.5	3.2	9.8	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.6
2055	2.8	2.5	2.3	1.9	4.0	3.0	1.5	3.2	9.9	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.6
2056	2.8	2.5	2.3	2.0	4.0	3.0	1.6	3.6	10.1	7.1	7.1	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.6
2057	2.8	2.5	2.3	2.0	4.0	3.1	1.7	3.9	10.3	7.1	7.2	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.7
2058	2.8	2.5	2.3	2.0	4.1	3.1	1.8	4.0	10.5	7.2	7.2	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.7
2059	2.8	2.5	2.3	2.0	4.1	3.1	1.8	4.1	10.6	7.2	7.2	4.4	5.3	4.0	4.4	4.0	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.7
2060	2.8	2.5	2.3	2.0	4.1	3.2	1.9	4.1	10.7	7.2	7.2	4.4	5.3	4.0	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.8
2061	2.8	2.6	2.3	2.0	4.1	3.2	1.9	4.2	10.7	7.2	7.2	4.4	5.3	4.0	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.8
2062	2.8	2.6	2.3	2.0	4.2	3.2	1.9	4.2	10.8	7.3	7.2	4.4	5.3	4.1	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.8
2063	2.8	2.6	2.3	2.0	4.2	3.2	1.9	4.2	10.8	7.3	7.2	4.4	5.3	4.1	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2064	2.8	2.6	2.4	2.0	4.2	3.2	1.9	4.2	10.9	7.3	7.3	4.4	5.3	4.1	4.4	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2065	2.8	2.6	2.4	2.1	4.2	3.3	2.0	4.3	10.9	7.3	7.3	4.4	5.3	4.1	4.5	4.1	4.3	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2066	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.3	10.9	7.3	7.3	4.4	5.3	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2067	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.3	11.0	7.4	7.3	4.4	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	6.9
2068	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.3	11.0	7.4	7.3	4.4	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2069	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.3	11.0	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2070	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.4	11.0	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2071	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.4	11.1	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2072	2.8	2.6	2.4	2.1	4.3	3.3	2.0	4.4	11.1	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.0
2073	2.8	2.6	2.4	2.1	4.4	3.3	2.0	4.4	11.1	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2074	2.8	2.6	2.4	2.1	4.4	3.3	2.0	4.4	11.1	7.4	7.3	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2075	2.8	2.6	2.4	2.1	4.4	3.4	2.0	4.4	11.1	7.4	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2076	2.8	2.6	2.4	2.1	4.4	3.4	2.1	4.4	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2077	2.8	2.6	2.4	2.1	4.4	3.4	2.1	4.4	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2078	2.8	2.6	2.4	2.1	4.4	3.4	2.1	4.4	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.1
2079	2.8	2.6	2.4	2.1	4.4	3.4	2.1	4.4	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2080	2.8	2.6	2.4	2.1	4.4	3.4	2.1	4.5	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2081	2.8	2.6	2.4	2.1	4.4	3.4	2.1	4.5	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2082	2.8	2.6	2.4	2.2	4.4	3.4	2.1	4.5	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2083	2.8	2.6	2.4	2.2	4.4	3.4	2.1	4.5	11.2	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2053	5.3	3.9	3.7	4.5	4.8	4.3	6.8	7.6	3.6	3.9	9.0	1.6	6.2	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2054	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.7	3.6	4.0	9.1	1.7	6.3	3.7	3.3	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2055	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.7	3.7	4.0	9.2	1.8	6.3	3.8	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2056	5.4	3.9	3.8	4.5	4.8	4.3	6.9	7.7	3.7	4.1	9.3	1.9	6.4	3.8	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2057	5.4	3.9	3.8	4.5	4.9	4.3	7.0	7.8	3.8	4.1	9.4	1.9	6.5	3.8	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2058	5.5	3.9	3.8	4.6	4.9	4.4	7.0	7.8	3.8	4.2	9.4	2.0	6.5	3.9	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2059	5.5	3.9	3.8	4.6	4.9	4.4	7.0	7.8	3.8	4.2	9.5	2.0	6.5	3.9	3.4	3.7	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2060	5.5	4.0	3.8	4.6	4.9	4.4	7.0	7.9	3.9	4.3	9.5	2.1	6.6	3.9	3.5	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2061	5.5	4.0	3.8	4.6	4.9	4.4	7.1	7.9	3.9	4.3	9.6	2.1	6.6	4.0	3.5	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2062	5.6	4.0	3.9	4.6	4.9	4.4	7.1	7.9	3.9	4.4	9.6	2.1	6.6	4.0	3.5	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.2
2063	5.6	4.0	3.9	4.6	5.0	4.4	7.1	7.9	4.0	4.4	9.6	2.2	6.7	4.0	3.5	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2064	5.6	4.0	3.9	4.7	5.0	4.5	7.1	8.0	4.0	4.4	9.7	2.2	6.7	4.0	3.5	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2065	5.6	4.0	3.9	4.7	5.0	4.5	7.2	8.0	4.0	4.5	9.7	2.2	6.7	4.0	3.5	3.8	3.2	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2066	5.6	4.0	3.9	4.7	5.0	4.5	7.2	8.0	4.0	4.5	9.7	2.3	6.8	4.1	3.5	3.8	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2067	5.6	4.0	3.9	4.7	5.0	4.5	7.2	8.0	4.1	4.5	9.8	2.3	6.8	4.1	3.6	3.8	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2068	5.7	4.0	3.9	4.7	5.1	4.5	7.2	8.0	4.1	4.5	9.8	2.3	6.8	4.1	3.6	3.8	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2069	5.7	4.1	3.9	4.7	5.1	4.5	7.3	8.1	4.1	4.6	9.8	2.3	6.8	4.1	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2070	5.7	4.1	4.0	4.8	5.1	4.5	7.3	8.1	4.1	4.6	9.8	2.4	6.8	4.1	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2071	5.7	4.1	4.0	4.8	5.1	4.5	7.3	8.1	4.2	4.6	9.9	2.4	6.9	4.1	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2072	5.7	4.1	4.0	4.8	5.1	4.6	7.3	8.1	4.2	4.6	9.9	2.4	6.9	4.1	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2073	5.7	4.1	4.0	4.8	5.1	4.6	7.3	8.1	4.2	4.6	9.9	2.4	6.9	4.2	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2074	5.8	4.1	4.0	4.8	5.1	4.6	7.4	8.1	4.2	4.7	9.9	2.4	6.9	4.2	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2075	5.8	4.1	4.0	4.8	5.2	4.6	7.4	8.2	4.2	4.7	9.9	2.5	6.9	4.2	3.6	3.9	3.3	2.6	2.1	1.9	2.4	3.2	1.0	1.1
2076	5.8	4.1	4.0	4.8	5.2	4.6	7.4	8.2	4.2	4.7	9.9	2.5	6.9	4.2	3.7	3.9	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2077	5.8	4.1	4.0	4.9	5.2	4.6	7.4	8.2	4.2	4.7	10.0	2.5	7.0	4.2	3.7	3.9	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2078	5.8	4.1	4.0	4.9	5.2	4.6	7.4	8.2	4.3	4.7	10.0	2.5	7.0	4.2	3.7	3.9	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2079	5.8	4.1	4.0	4.9	5.2	4.6	7.4	8.2	4.3	4.7	10.0	2.5	7.0	4.2	3.7	3.9	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2080	5.8	4.2	4.0	4.9	5.2	4.6	7.5	8.2	4.3	4.7	10.0	2.5	7.0	4.2	3.7	3.9	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2081	5.8	4.2	4.1	4.9	5.2	4.7	7.5	8.2	4.3	4.8	10.0	2.5	7.0	4.2	3.7	4.0	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2082	5.9	4.2	4.1	4.9	5.2	4.7	7.5	8.2	4.3	4.8	10.0	2.6	7.0	4.2	3.7	4.0	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2083	5.9	4.2	4.1	4.9	5.2	4.7	7.5	8.2	4.3	4.8	10.0	2.6	7.0	4.2	3.7	4.0	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1

A-4. Model pumping rate for Woolpunda (S8C)(Part 3/4)

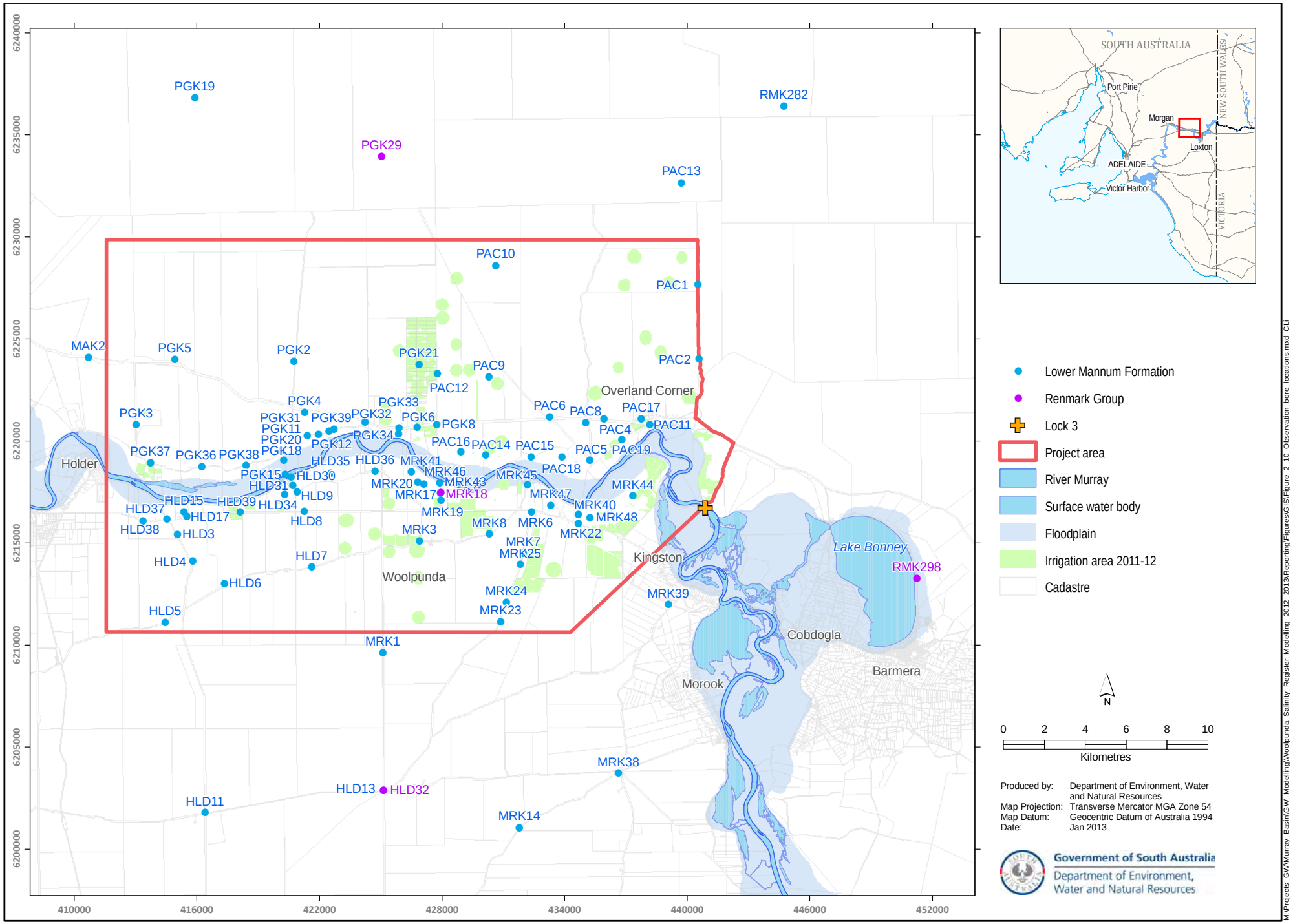
Pumping well	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24	WOOL25
Maximum observed pumping rate (L/s)	5.5	5.2	5.5	9.0	8.6	5.4	6.9	10.1	10.3	9.7	9.9	9.5	9.1	9.8	7.6	9.2	9.6	9.8	9.9	9.6	9.4	5.2	9.4	5.0	9.2
Stop Year	Modelled Pumping Rates (L/s)																								
2084	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2085	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.2
2086	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2087	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.2	2.7	1.7	1.5	1.4	7.3
2088	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2089	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2090	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2091	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.5	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2092	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.6	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2093	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.3	7.6	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2094	2.8	2.6	2.4	2.2	4.5	3.4	2.1	4.5	11.4	7.6	7.4	4.5	5.4	4.1	4.5	4.1	4.4	5.8	5.2	4.3	2.7	1.7	1.5	1.4	7.3
2095	2.8	2.6	2.5	2.2	4.5	3.4	2.1	4.5	11.4	7.6	7.5	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2096	2.8	2.6	2.5	2.2	4.5	3.4	2.1	4.5	11.4	7.6	7.5	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2097	2.8	2.6	2.5	2.2	4.5	3.4	2.1	4.5	11.4	7.6	7.5	4.5	5.4	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2098	2.8	2.6	2.5	2.2	4.5	3.4	2.1	4.5	11.4	7.6	7.5	4.5	5.5	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2099	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.5	11.4	7.6	7.5	4.5	5.5	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2100	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2101	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2102	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.1	4.5	4.1	4.4	5.9	5.2	4.3	2.7	1.7	1.5	1.4	7.4
2103	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.1	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.4
2104	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.4
2105	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.4
2106	2.8	2.6	2.5	2.2	4.5	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2107	2.8	2.6	2.5	2.2	4.6	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2108	2.8	2.6	2.5	2.2	4.6	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2109	2.8	2.6	2.5	2.2	4.6	3.5	2.1	4.6	11.4	7.6	7.5	4.5	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2110	2.8	2.6	2.5	2.2	4.6	3.5	2.2	4.6	11.4	7.6	7.5	4.6	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2111	2.8	2.6	2.5	2.2	4.6	3.5	2.2	4.6	11.5	7.6	7.5	4.6	5.5	4.2	4.5	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2112	2.8	2.6	2.5	2.2	4.6	3.5	2.2	4.6	11.5	7.6	7.5	4.6	5.5	4.2	4.6	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2113	2.8	2.6	2.5	2.2	4.6	3.5	2.2	4.6	11.5	7.6	7.5	4.6	5.5	4.2	4.6	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5
2114	2.8	2.6	2.5	2.2	4.6	3.5	2.2	4.6	11.5	7.6	7.5	4.6	5.5	4.2	4.6	4.2	4.4	5.9	5.3	4.3	2.7	1.7	1.5	1.4	7.5

Pumping well	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
Maximum observed pumping rate (L/s)	9.5	9.6	10.7	10.3	10.3	6.7	10.5	10.2	9.8	9.4	8.8	8.9	8.2	5.8	5.8	5.9	5.2	4.8	4.5	4.7	3.6	4.9	3.0	3.7
Stop Year	Modelled Pumping Rates (L/s)																							
2084	5.9	4.2	4.1	4.9	5.3	4.7	7.5	8.3	4.3	4.8	10.1	2.6	7.0	4.3	3.7	4.0	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2085	5.9	4.2	4.1	4.9	5.3	4.7	7.5	8.3	4.3	4.8	10.1	2.6	7.0	4.3	3.7	4.0	3.3	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2086	5.9	4.2	4.1	5.0	5.3	4.7	7.5	8.3	4.4	4.8	10.1	2.6	7.0	4.3	3.7	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2087	5.9	4.2	4.1	5.0	5.3	4.7	7.5	8.3	4.4	4.8	10.1	2.6	7.1	4.3	3.7	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2088	5.9	4.2	4.1	5.0	5.3	4.7	7.6	8.3	4.4	4.8	10.1	2.6	7.1	4.3	3.7	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2089	5.9	4.2	4.1	5.0	5.3	4.7	7.6	8.3	4.4	4.8	10.1	2.6	7.1	4.3	3.7	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2090	5.9	4.2	4.1	5.0	5.3	4.7	7.6	8.3	4.4	4.9	10.1	2.6	7.1	4.3	3.7	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2091	5.9	4.2	4.1	5.0	5.3	4.7	7.6	8.3	4.4	4.9	10.1	2.6	7.1	4.3	3.7	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2092	5.9	4.2	4.1	5.0	5.3	4.7	7.6	8.3	4.4	4.9	10.1	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2093	6.0	4.2	4.1	5.0	5.3	4.8	7.6	8.3	4.4	4.9	10.1	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2094	6.0	4.2	4.1	5.0	5.4	4.8	7.6	8.3	4.4	4.9	10.1	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.2	1.0	1.1
2095	6.0	4.3	4.2	5.0	5.4	4.8	7.6	8.3	4.4	4.9	10.1	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.1
2096	6.0	4.3	4.2	5.0	5.4	4.8	7.6	8.4	4.4	4.9	10.2	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.1
2097	6.0	4.3	4.2	5.0	5.4	4.8	7.6	8.4	4.4	4.9	10.2	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.1
2098	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.4	4.9	10.2	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2099	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	4.9	10.2	2.7	7.1	4.3	3.8	4.0	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2100	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	4.9	10.2	2.7	7.1	4.3	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2101	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	4.9	10.2	2.7	7.1	4.3	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2102	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	4.9	10.2	2.7	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2103	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	5.0	10.2	2.7	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2104	6.0	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	5.0	10.2	2.7	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2105	6.1	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	5.0	10.2	2.7	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2106	6.1	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	5.0	10.2	2.7	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2107	6.1	4.3	4.2	5.1	5.4	4.8	7.7	8.4	4.5	5.0	10.2	2.7	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2108	6.1	4.3	4.2	5.1	5.5	4.8	7.7	8.4	4.5	5.0	10.2	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2109	6.1	4.3	4.2	5.1	5.5	4.8	7.7	8.4	4.5	5.0	10.2	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2110	6.1	4.3	4.2	5.1	5.5	4.8	7.7	8.4	4.5	5.0	10.2	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2111	6.1	4.3	4.2	5.1	5.5	4.9	7.7	8.4	4.5	5.0	10.2	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2112	6.1	4.3	4.2	5.1	5.5	4.9	7.8	8.4	4.5	5.0	10.2	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2113	6.1	4.3	4.2	5.2	5.5	4.9	7.8	8.4	4.5	5.0	10.2	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2
2114	6.1	4.3	4.2	5.2	5.5	4.9	7.8	8.4	4.5	5.0	10.3	2.8	7.2	4.4	3.8	4.1	3.4	2.7	2.1	1.9	2.4	3.3	1.0	1.2

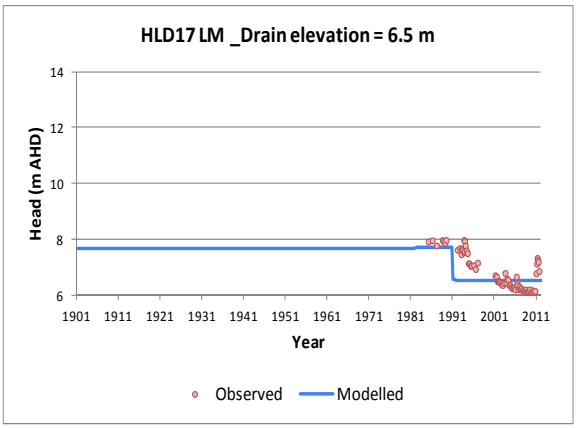
A-4. Model pumping rate for Woolpunda (S8C)(Part 4/4)

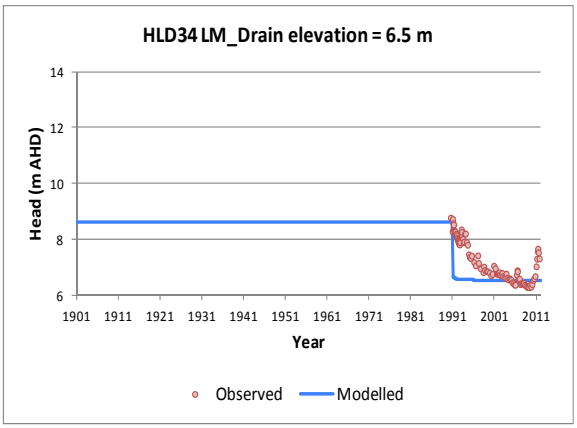
A-5 MID-POINT OBSERVATION BORES

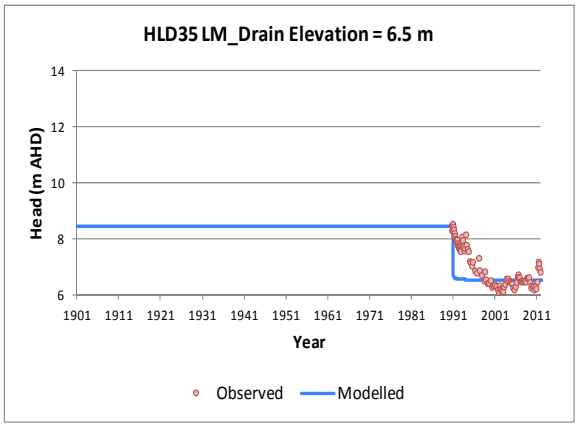
- Location of observation bores
- Hydrographs for mid-point observation bores in Scenario 8A

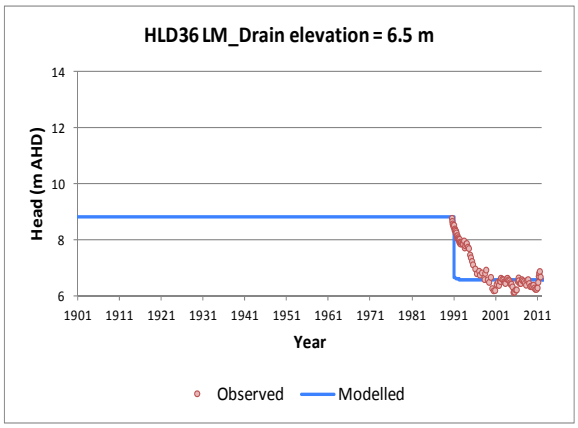


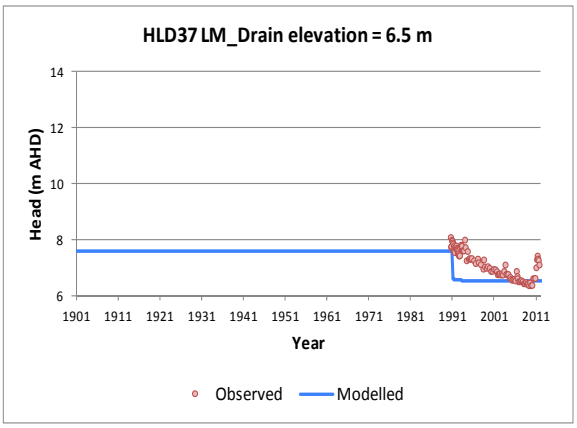
A-5. Location of Observation Bores

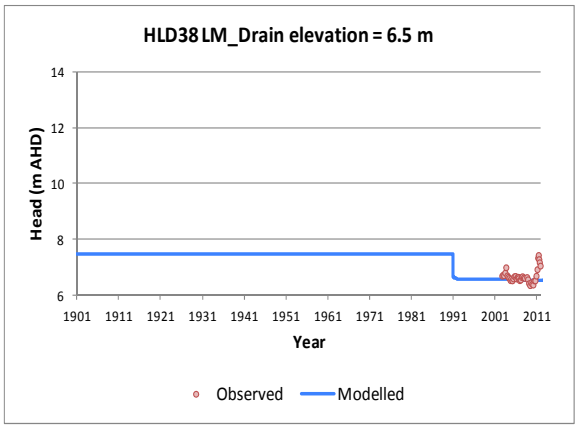


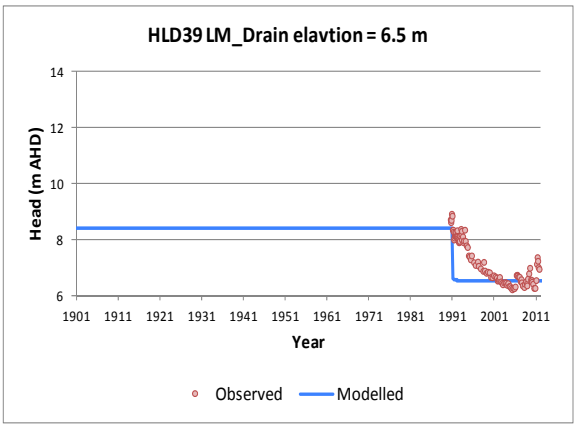


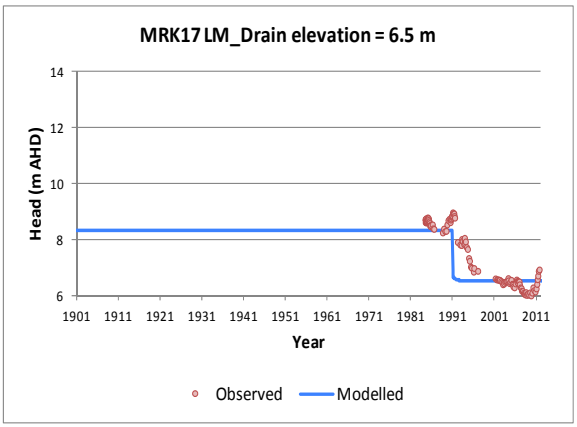




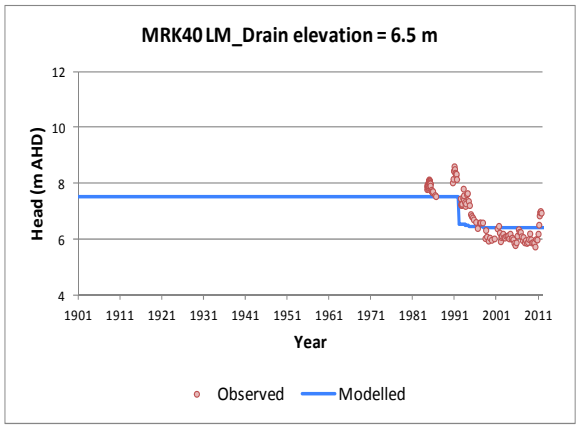


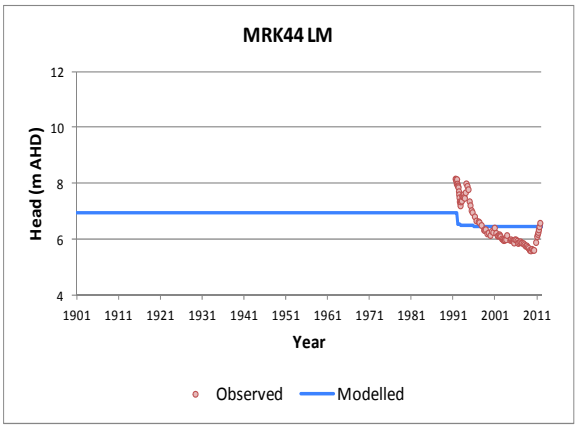


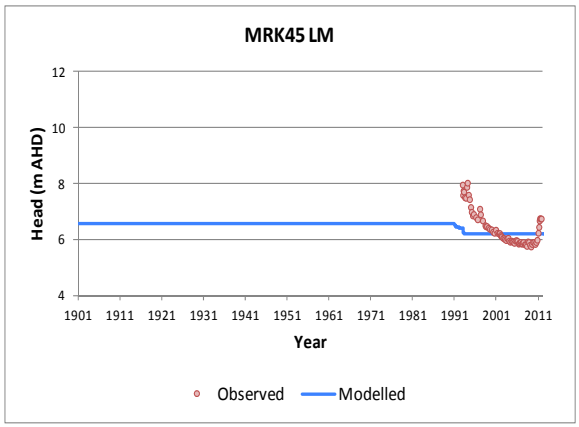


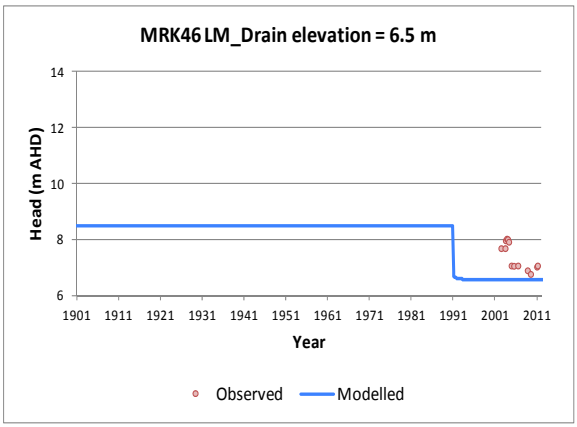


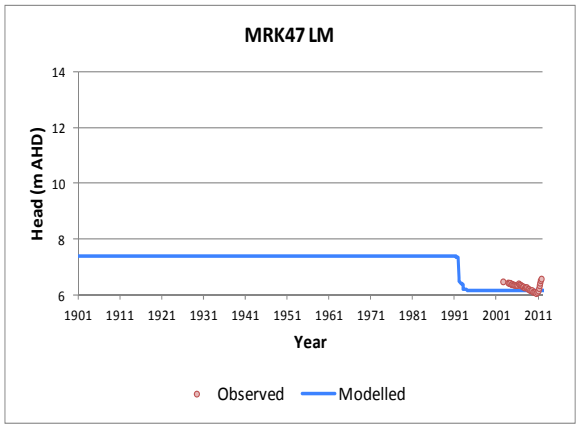
A-5. Hydrographs for Mid-point Observation Bores in Scenario 8A (Part 1/4)

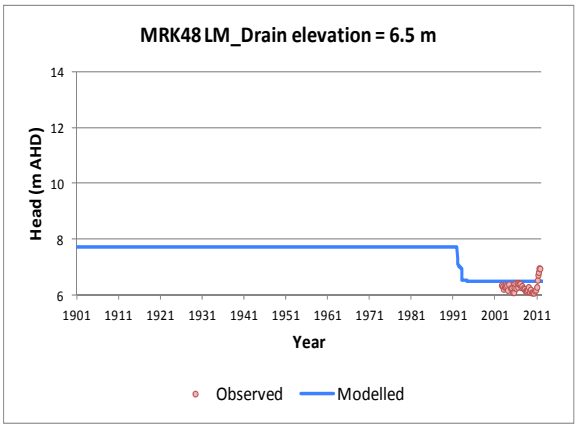


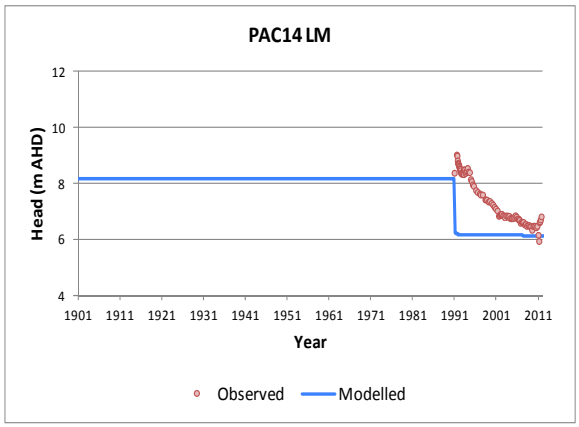


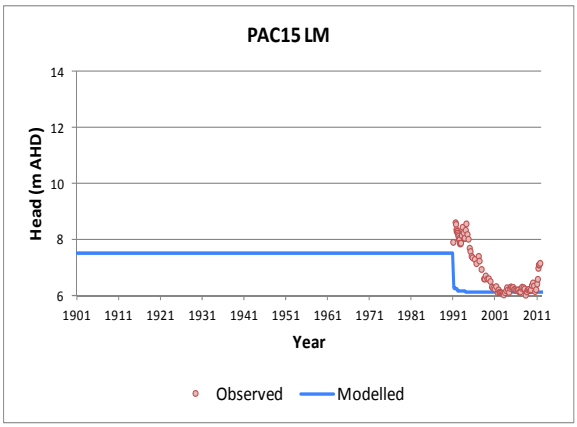




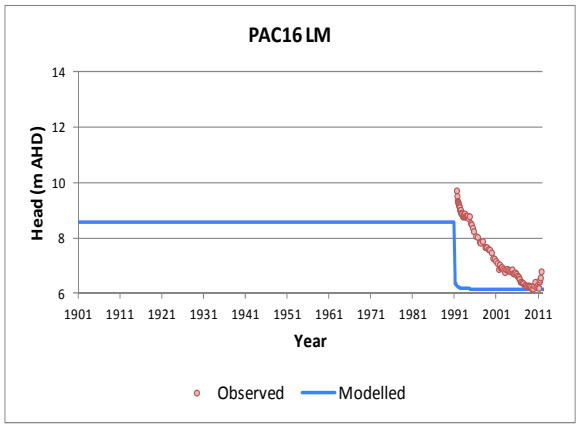


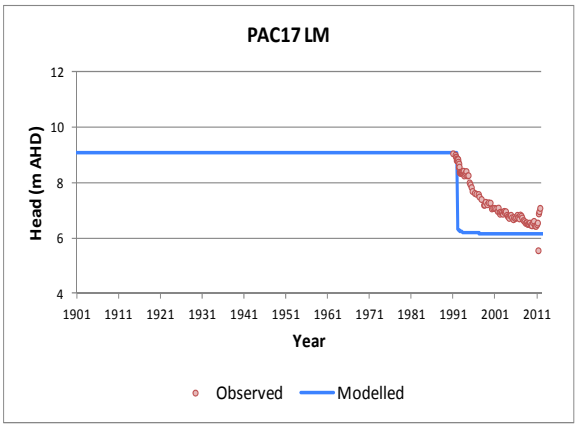


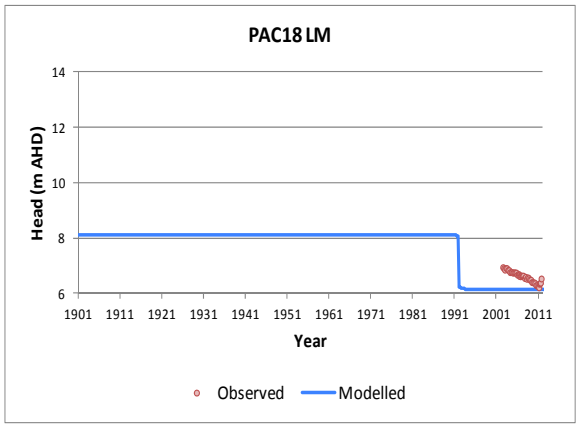


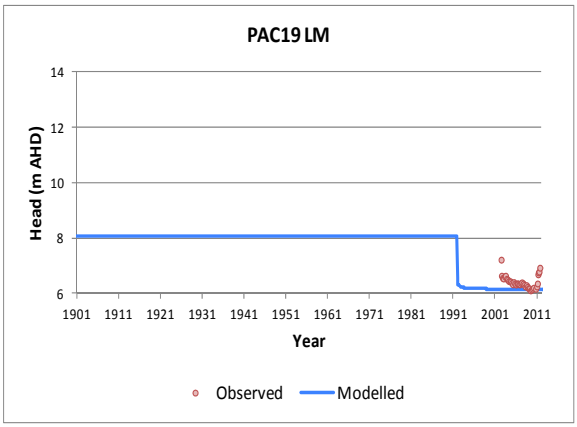


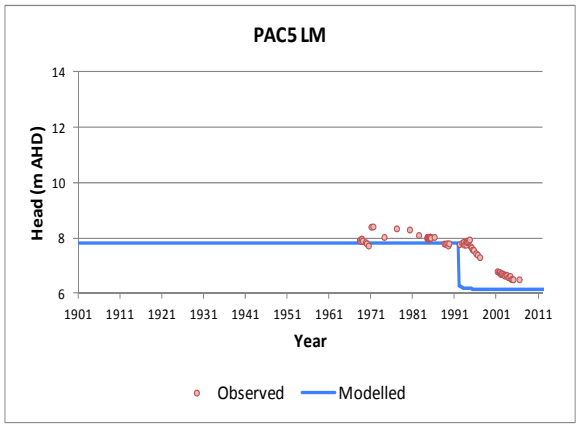
A-5. Hydrographs for Mid-point Observation Bores in Scenario 8A (Part 2/4)

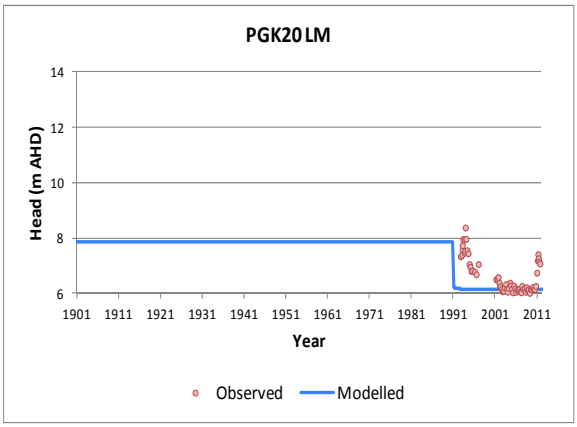


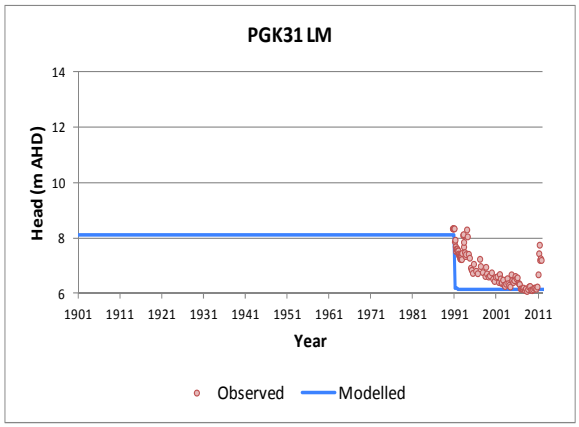


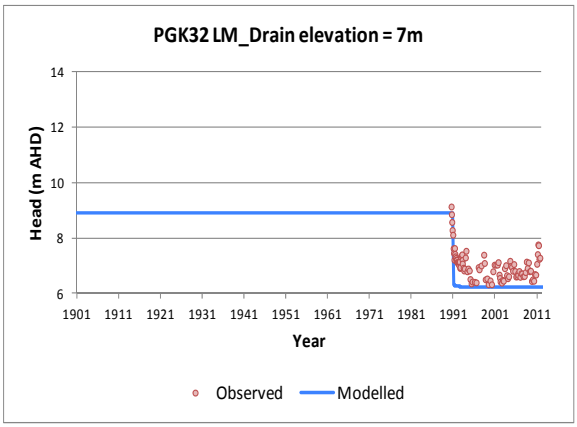




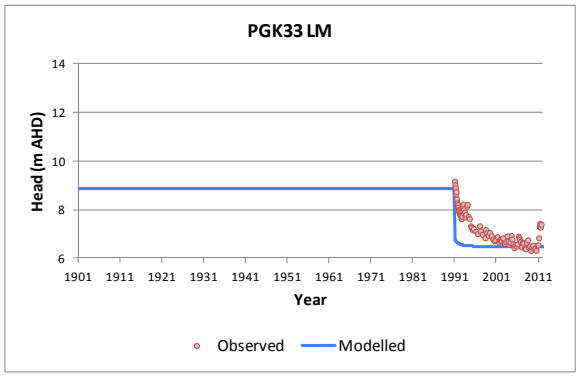


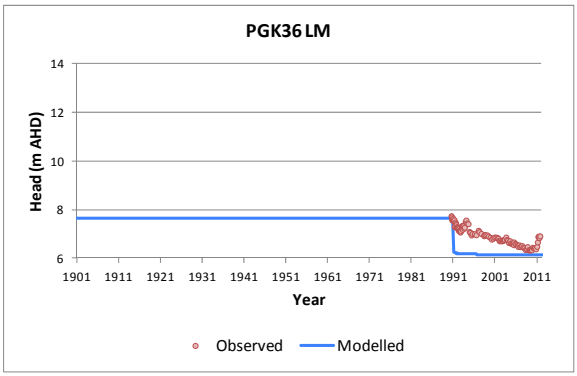


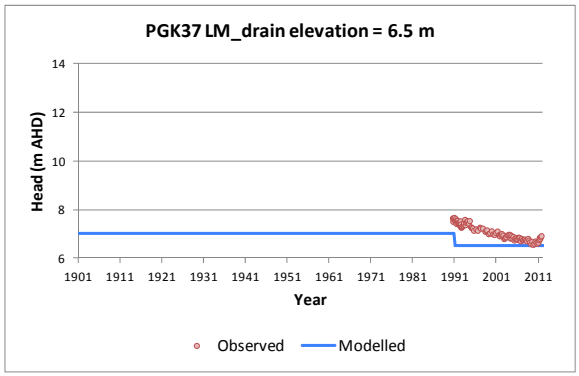


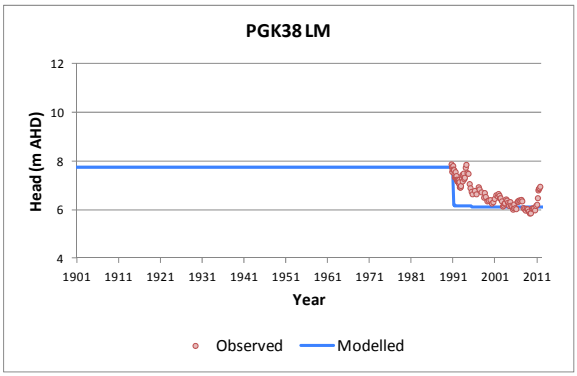


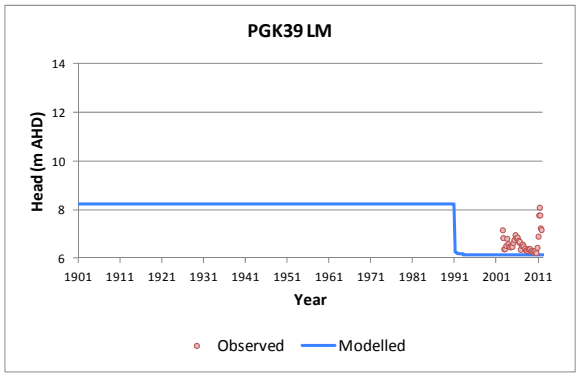
A-5. Hydrographs for Mid-point Observation Bores in Scenario 8A (Part 3/4)

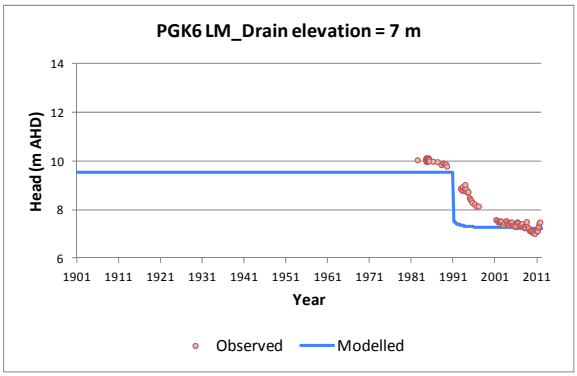












A-5. Hydrographs for Mid-point Observation Bores in Scenario 8A (Part 4/4)

B. MODEL OUTPUTS (FLUX AND SALT LOAD)

B-1 SUMMARY OF SALT LOAD IN WOOLPUNDA

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

Scenario	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

B-1. Model Scenario Conditions

Time	S-1	S-2	S-3A	S-3C	S-4	S-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	190.9	191.0	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1921	190.9	191.0	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1923	190.9	191.0	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1925	190.9	191.0	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1930	190.9	191.0	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1950	190.9	191.0	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1970	190.9	191.1	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1975	190.9	191.2	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1980	190.9	191.3	190.9	190.9	190.9	190.9	191.0	190.9	190.9
1984	190.9	191.4	191.4	191.3	191.3	191.3	191.3	191.3	191.3
1988	190.9	191.4	191.4	191.3	191.3	191.3	191.3	191.3	191.3
1989	190.9	191.5	191.4	191.3	191.3	191.3	191.4	191.3	191.3
1990	190.9	191.5	191.4	191.3	191.3	191.3	191.4	191.3	191.3
1991	190.9	191.5	191.8	191.7	191.7	191.7	191.7	191.7	191.7
1992	190.9	191.5	192.0	191.8	191.8	191.8	58.6	58.6	58.6
1993	190.9	191.5	192.0	191.8	191.8	191.8	23.9	23.9	23.9
1994	190.9	191.6	192.0	191.9	192.9	192.9	17.0	16.5	17.0
1995	190.9	191.6	192.1	191.9	193.2	193.2	15.7	15.2	15.7
1996	190.9	191.6	192.6	192.3	193.6	193.6	15.3	14.8	15.3
1997	190.9	191.6	192.8	192.5	193.8	193.8	15.2	14.6	15.2
1998	190.9	191.6	193.4	193.0	194.3	194.3	15.1	14.5	15.1
1999	190.9	191.6	193.8	193.3	194.6	194.6	15.0	14.4	15.0
2000	190.9	191.6	194.1	193.5	195.4	195.4	15.1	14.3	15.1
2001	190.9	191.6	194.2	193.7	195.6	195.6	15.0	14.3	15.0
2002	190.9	191.6	194.4	193.8	195.7	195.7	15.0	14.3	15.0
2003	190.9	191.7	194.9	194.2	196.1	196.1	15.0	14.2	15.0
2004	190.9	191.7	195.2	194.5	196.5	196.5	15.0	14.2	15.0
2005	190.9	191.7	195.4	194.7	196.7	196.7	15.0	14.2	15.0
2006	190.9	191.7	195.6	194.8	196.9	196.9	15.0	14.2	15.0
2007	190.9	191.7	195.7	194.9	197.0	197.0	15.0	14.1	15.0
2008	190.9	191.7	196.2	195.3	197.4	197.4	15.0	14.1	15.0
2009	190.9	191.8	196.6	195.6	197.8	197.8	15.0	14.1	15.0
2010	190.9	191.8	196.9	195.9	198.1	198.1	14.9	14.1	14.9
2011	190.9	191.8	197.2	196.1	198.3	198.3	14.9	14.1	14.9
2012	190.9	191.8	197.4	196.3	198.4	198.4	14.9	14.1	14.9
2013	190.9	191.8	198.2	196.9	199.6	199.6	15.0	14.2	15.0
2014	190.9	191.9	198.7	197.4	200.6	200.6	15.1	14.2	15.1
2015	190.9	191.9	199.1	197.7	201.2	201.2	15.1	14.2	15.1
2016	190.9	191.9	199.6	198.1	201.8	201.8	15.1	14.3	15.1
2017	190.9	191.9	199.9	198.4	202.3	202.3	15.2	14.3	15.2
2018	190.9	192.0	200.2	198.6	202.6	202.6	15.2	14.3	15.2
2019	190.9	192.0	200.4	198.8	202.8	202.8	15.2	14.3	15.2
2020	190.9	192.0	200.6	198.9	203.0	203.0	15.2	14.3	15.2
2021	190.9	192.0	200.7	199.0	203.2	203.2	15.2	14.2	15.2
2022	190.9	192.0	200.8	199.1	203.5	203.5	15.2	14.2	15.2
2023	190.9	192.1	200.9	199.2	203.7	203.7	15.2	14.2	15.2

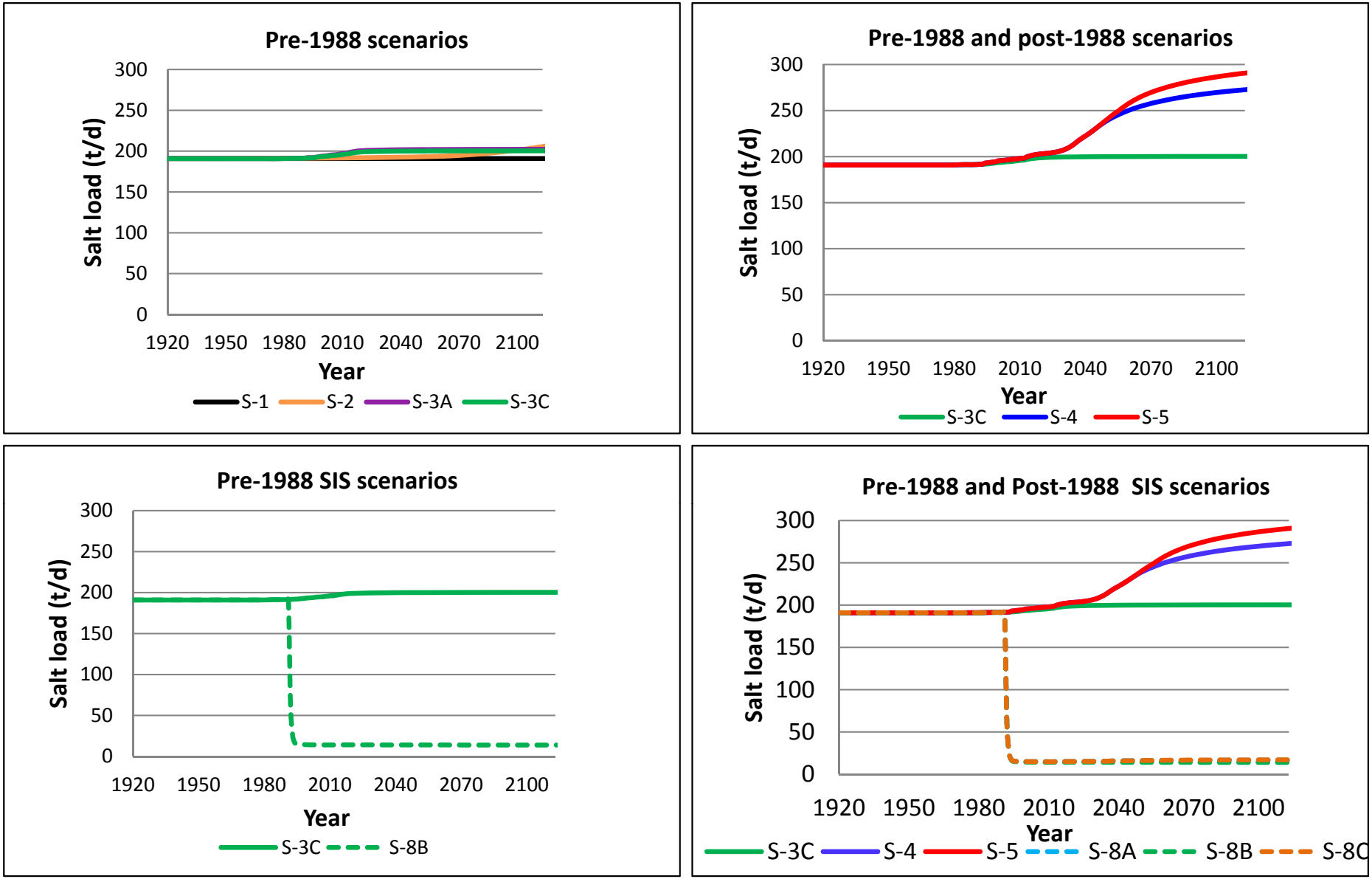
B-1. Modelled Total Salt Load (t/d) Entering the River Murray in Woolpunda for all Scenarios (Part 1/3)

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)
2024	190.9	192.1	201.0	199.3	204.0	204.0	15.2	14.2	15.2
2025	190.9	192.2	201.1	199.4	204.4	204.4	15.2	14.2	15.2
2026	190.9	192.2	201.2	199.4	204.7	204.7	15.2	14.2	15.2
2027	190.9	192.2	201.2	199.5	205.2	205.2	15.3	14.2	15.3
2028	190.9	192.2	201.3	199.5	205.8	205.8	15.3	14.2	15.3
2029	190.9	192.2	201.3	199.6	206.5	206.5	15.3	14.2	15.3
2030	190.9	192.2	201.4	199.6	207.3	207.3	15.3	14.2	15.3
2031	190.9	192.2	201.4	199.6	208.3	208.3	15.3	14.2	15.3
2032	190.9	192.3	201.5	199.7	209.3	209.3	15.4	14.2	15.4
2033	190.9	192.3	201.5	199.7	210.8	210.8	15.4	14.2	15.4
2034	190.9	192.4	201.5	199.7	212.2	212.2	15.4	14.1	15.4
2035	190.9	192.5	201.6	199.8	213.8	213.8	15.5	14.1	15.5
2036	190.9	192.5	201.6	199.8	215.9	215.9	15.7	14.1	15.7
2037	190.9	192.5	201.6	199.8	217.7	217.7	15.8	14.1	15.8
2038	190.9	192.5	201.7	199.8	219.4	219.4	15.8	14.1	15.8
2039	190.9	192.6	201.7	199.9	220.9	220.9	15.9	14.1	15.9
2040	190.9	192.6	201.7	199.9	222.5	222.5	15.9	14.1	15.9
2041	190.9	192.6	201.7	199.9	224.1	224.1	15.9	14.1	15.9
2042	190.9	192.6	201.8	199.9	225.7	225.7	16.0	14.1	16.0
2043	190.9	192.7	201.8	199.9	227.4	227.4	16.0	14.1	16.0
2044	190.9	192.8	201.8	200.0	229.1	229.1	16.0	14.1	16.0
2045	190.9	192.8	201.8	200.0	231.0	231.0	16.1	14.1	16.1
2046	190.9	192.9	201.8	200.0	232.8	232.9	16.1	14.1	16.1
2047	190.9	192.9	201.9	200.0	234.6	234.9	16.1	14.1	16.1
2048	190.9	192.9	201.9	200.0	236.3	236.8	16.2	14.1	16.2
2049	190.9	193.0	201.9	200.0	237.8	238.7	16.2	14.1	16.2
2050	190.9	193.0	201.9	200.0	239.3	240.6	16.2	14.1	16.3
2051	190.9	193.0	201.9	200.1	240.6	242.5	16.2	14.1	16.3
2052	190.9	193.1	201.9	200.1	241.9	244.4	16.3	14.1	16.4
2053	190.9	193.2	202.0	200.1	243.2	246.1	16.3	14.1	16.4
2054	190.9	193.3	202.0	200.1	244.3	247.8	16.3	14.1	16.4
2055	190.9	193.4	202.0	200.1	245.4	249.5	16.3	14.1	16.5
2056	190.9	193.4	202.0	200.1	246.5	251.2	16.3	14.1	16.5
2057	190.9	193.5	202.0	200.1	247.6	253.0	16.3	14.1	16.5
2058	190.9	193.6	202.0	200.1	248.6	254.8	16.4	14.0	16.6
2059	190.9	193.6	202.0	200.1	249.5	256.5	16.4	14.0	16.6
2060	190.9	193.7	202.0	200.1	250.4	258.1	16.4	14.0	16.6
2061	190.9	193.7	202.1	200.1	251.3	259.6	16.4	14.0	16.6
2062	190.9	193.8	202.1	200.1	252.1	260.9	16.4	14.0	16.7
2063	190.9	193.9	202.1	200.1	252.9	262.2	16.4	14.0	16.7
2064	190.9	194.1	202.1	200.1	253.7	263.5	16.4	14.0	16.7
2065	190.9	194.2	202.1	200.1	254.4	264.6	16.5	14.0	16.7
2066	190.9	194.3	202.1	200.1	255.2	265.7	16.5	14.0	16.7
2067	190.9	194.4	202.1	200.1	255.8	266.8	16.5	14.0	16.7
2068	190.9	194.5	202.1	200.1	256.5	267.8	16.5	14.0	16.8
2069	190.9	194.6	202.1	200.1	257.1	268.8	16.5	14.0	16.8

B-1. Modelled Total Salt Load (t/d) Entering the River Murray In Woolpunda for all Scenarios (Part 2/3)

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)
2070	190.9	194.7	202.1	200.2	257.7	269.7	16.5	14.0	16.8
2071	190.9	194.8	202.1	200.2	258.3	270.6	16.5	14.0	16.8
2072	190.9	194.9	202.1	200.2	258.9	271.4	16.5	14.0	16.8
2073	190.9	195.1	202.1	200.2	259.4	272.2	16.5	14.0	16.8
2074	190.9	195.3	202.1	200.2	260.0	273.0	16.6	14.0	16.8
2075	190.9	195.5	202.2	200.2	260.5	273.8	16.6	14.0	16.9
2076	190.9	195.7	202.2	200.2	261.0	274.5	16.6	14.0	16.9
2077	190.9	195.8	202.2	200.2	261.5	275.2	16.6	14.0	16.9
2078	190.9	196.0	202.2	200.2	262.0	275.9	16.6	14.0	16.9
2079	190.9	196.2	202.2	200.2	262.4	276.5	16.6	14.0	16.9
2080	190.9	196.3	202.2	200.2	262.9	277.2	16.6	14.0	16.9
2081	190.9	196.5	202.2	200.2	263.3	277.8	16.6	14.0	16.9
2082	190.9	196.6	202.2	200.2	263.7	278.4	16.6	14.0	16.9
2083	190.9	196.9	202.2	200.2	264.1	279.0	16.6	14.0	16.9
2084	190.9	197.1	202.2	200.2	264.5	279.5	16.6	14.0	16.9
2085	190.9	197.4	202.2	200.2	264.9	280.1	16.6	14.0	17.0
2086	190.9	197.6	202.2	200.2	265.3	280.6	16.6	14.0	17.0
2087	190.9	197.8	202.2	200.2	265.7	281.1	16.7	14.0	17.0
2088	190.9	198.1	202.2	200.2	266.0	281.6	16.7	14.0	17.0
2089	190.9	198.3	202.2	200.2	266.4	282.1	16.7	14.0	17.0
2090	190.9	198.5	202.2	200.2	266.7	282.6	16.7	14.0	17.0
2091	190.9	198.7	202.2	200.2	267.0	283.0	16.7	14.0	17.0
2092	190.9	198.9	202.2	200.2	267.4	283.5	16.7	14.0	17.0
2093	190.9	199.2	202.2	200.2	267.7	283.9	16.7	14.0	17.0
2094	190.9	199.5	202.2	200.2	268.0	284.3	16.7	14.0	17.0
2095	190.9	199.8	202.2	200.3	268.3	284.7	16.7	14.0	17.0
2096	190.9	200.1	202.2	200.3	268.6	285.1	16.7	14.0	17.0
2097	190.9	200.4	202.2	200.3	268.9	285.5	16.7	14.0	17.0
2098	190.9	200.7	202.2	200.3	269.2	285.9	16.7	14.0	17.1
2099	190.9	201.0	202.2	200.3	269.4	286.3	16.7	14.0	17.1
2100	190.9	201.3	202.2	200.3	269.7	286.6	16.7	14.0	17.1
2101	190.9	201.5	202.2	200.3	270.0	287.0	16.7	14.0	17.1
2102	190.9	201.8	202.2	200.3	270.2	287.3	16.7	14.0	17.1
2103	190.9	202.1	202.2	200.3	270.5	287.7	16.7	14.0	17.1
2104	190.9	202.5	202.2	200.3	270.7	288.0	16.7	14.0	17.1
2105	190.9	202.9	202.2	200.3	270.9	288.3	16.7	14.0	17.1
2106	190.9	203.2	202.2	200.3	271.2	288.6	16.7	14.0	17.1
2107	190.9	203.6	202.2	200.3	271.4	289.0	16.8	14.0	17.1
2108	190.9	203.9	202.2	200.3	271.6	289.3	16.8	14.0	17.1
2109	190.9	204.2	202.2	200.3	271.9	289.6	16.8	14.0	17.1
2110	190.9	204.5	202.3	200.3	272.1	289.8	16.8	14.0	17.1
2111	190.9	204.9	202.3	200.3	272.3	290.1	16.8	13.9	17.1
2112	190.9	205.1	202.3	200.3	272.5	290.4	16.8	13.9	17.1
2113	190.9	205.5	202.3	200.3	272.7	290.7	16.8	13.9	17.1
2114	190.9	206.0	202.3	200.3	272.9	290.9	16.8	13.9	17.1

B-1. Modelled Total Salt Load (t/d) Entering the River Murray in Woolpunda for all Scenarios (Part 3/3)



B-1. Graphs of Modelled Total Salt Load (t/d) Entering the River Murray in Woolpunda for all Scenarios

B-2 SUMMARY OF FLUX FOR WOOLPUNDA

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

Scenario	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

B-2. Model Scenario Conditions

Time	S-1	S-2	S-3A	S-3C	S-4	S-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	8856	8858	8856	8856	8856	8856	8858	8856	8856
1921	8856	8858	8856	8856	8856	8856	8858	8856	8856
1923	8856	8858	8856	8856	8856	8856	8858	8856	8856
1925	8856	8858	8856	8856	8856	8856	8858	8856	8856
1930	8856	8858	8856	8856	8856	8856	8858	8856	8856
1950	8856	8861	8856	8856	8856	8856	8858	8856	8856
1970	8856	8863	8856	8856	8856	8856	8858	8856	8856
1975	8856	8867	8856	8856	8856	8856	8858	8856	8856
1980	8856	8871	8856	8856	8856	8856	8858	8856	8856
1984	8856	8876	8878	8874	8874	8874	8876	8874	8874
1988	8856	8876	8879	8875	8875	8875	8877	8875	8875
1989	8856	8880	8879	8875	8875	8875	8877	8875	8875
1990	8856	8881	8879	8875	8875	8875	8877	8875	8875
1991	8856	8881	8899	8892	8892	8892	8894	8892	8892
1992	8856	8881	8907	8898	8898	8898	2751	2751	2751
1993	8856	8884	8910	8901	8901	8901	1104	1104	1104
1994	8856	8885	8911	8902	8950	8950	773	750	773
1995	8856	8886	8912	8903	8962	8962	715	691	715
1996	8856	8886	8935	8922	8981	8981	698	673	698
1997	8856	8887	8948	8933	8990	8990	690	664	690
1998	8856	8887	8977	8956	9012	9012	685	660	685
1999	8856	8887	8997	8973	9028	9028	681	656	681
2000	8856	8887	9009	8982	9066	9066	686	653	686
2001	8856	8887	9019	8990	9075	9075	683	651	683
2002	8856	8887	9027	8997	9082	9082	681	649	681
2003	8856	8890	9048	9014	9100	9100	681	649	681
2004	8856	8892	9064	9027	9119	9119	684	648	684
2005	8856	8893	9074	9036	9129	9129	683	646	683
2006	8856	8894	9082	9042	9137	9137	682	645	682
2007	8856	8894	9087	9047	9142	9142	681	644	681
2008	8856	8895	9108	9064	9160	9160	681	643	681
2009	8856	8895	9128	9081	9178	9178	680	643	680
2010	8856	8895	9143	9093	9190	9190	679	642	679
2011	8856	8895	9153	9102	9200	9200	678	641	678
2012	8856	8895	9162	9109	9207	9207	678	640	678
2013	8856	8899	9199	9140	9262	9262	684	647	684
2014	8856	8901	9225	9162	9307	9307	686	647	686
2015	8856	8903	9241	9175	9337	9337	686	647	686
2016	8856	8904	9263	9193	9365	9365	689	649	689
2017	8856	8904	9280	9207	9387	9387	690	650	690
2018	8856	8905	9292	9217	9402	9402	690	650	690
2019	8856	8905	9302	9225	9414	9414	690	649	690
2020	8856	8905	9309	9232	9423	9423	690	649	690
2021	8856	8906	9316	9237	9430	9430	689	648	689
2022	8856	8906	9321	9241	9444	9444	692	648	692
2023	8856	8910	9326	9245	9456	9456	692	647	692

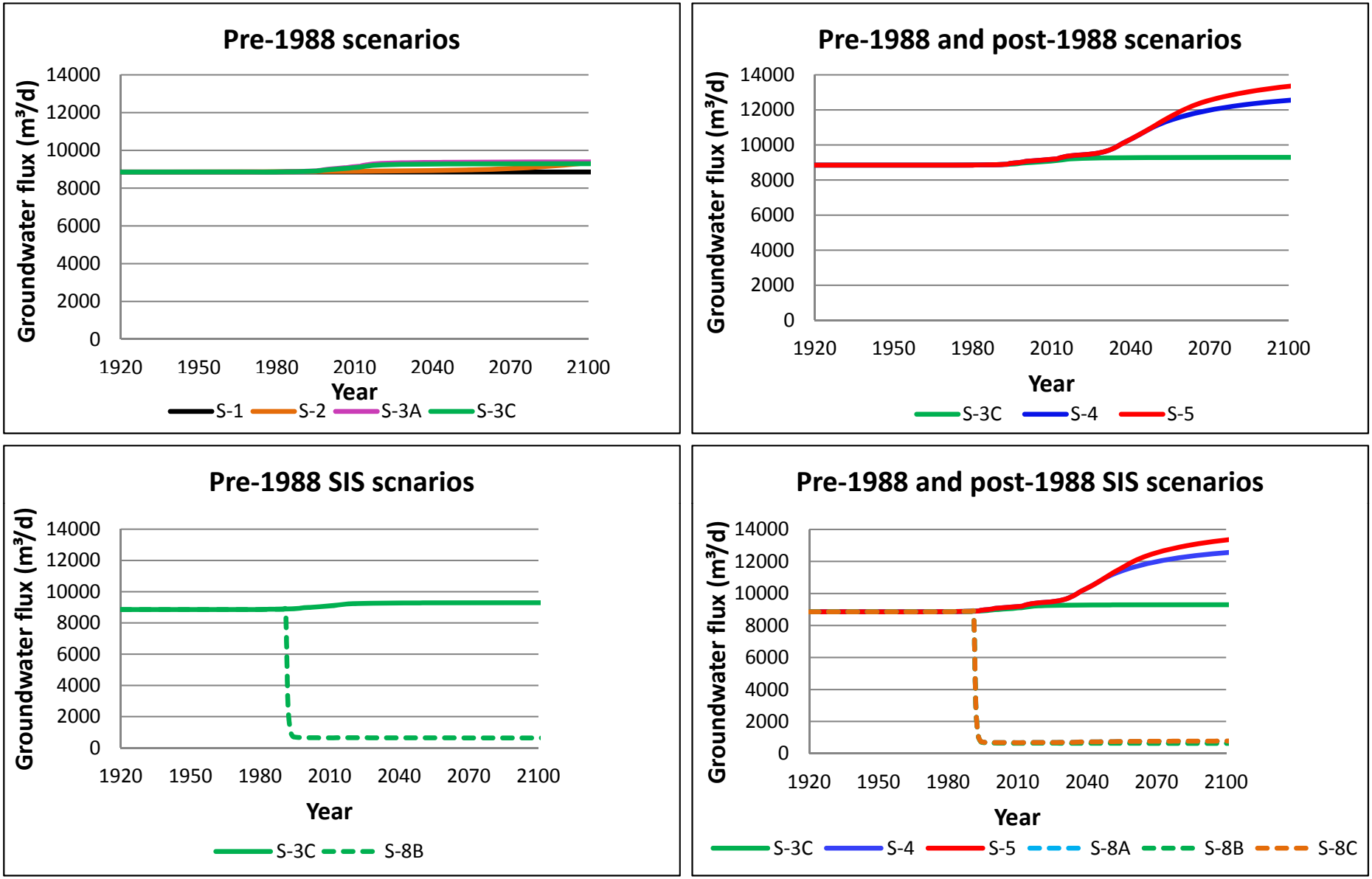
B-2. Modelled Groundwater Flux (m^3/d) Entering the River Murray In Woolpunda for all Scenarios (Part 1/3)

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)
2024	8856	8913	9330	9249	9470	9470	692	647	692
2025	8856	8915	9333	9252	9485	9485	693	647	693
2026	8856	8916	9337	9255	9501	9501	693	646	693
2027	8856	8916	9340	9257	9523	9523	694	646	694
2028	8856	8917	9343	9259	9552	9552	695	646	695
2029	8856	8918	9345	9261	9584	9584	696	645	696
2030	8856	8918	9347	9263	9620	9620	697	645	697
2031	8856	8919	9349	9265	9666	9666	698	645	698
2032	8856	8919	9351	9267	9716	9716	699	644	699
2033	8856	8923	9353	9268	9783	9783	701	644	701
2034	8856	8927	9355	9270	9851	9851	702	644	702
2035	8856	8929	9357	9271	9924	9924	703	644	703
2036	8856	8930	9358	9272	10023	10023	715	643	715
2037	8856	8931	9359	9273	10107	10107	719	643	719
2038	8856	8932	9361	9275	10184	10184	721	643	721
2039	8856	8933	9362	9276	10258	10258	722	643	722
2040	8856	8934	9363	9277	10333	10333	723	642	723
2041	8856	8935	9364	9277	10409	10409	725	642	725
2042	8856	8936	9365	9278	10484	10484	726	642	726
2043	8856	8941	9366	9279	10563	10563	728	642	728
2044	8856	8944	9367	9280	10644	10644	729	642	729
2045	8856	8947	9368	9281	10731	10731	731	641	731
2046	8856	8949	9369	9281	10818	10823	732	641	733
2047	8856	8951	9370	9282	10902	10915	734	641	735
2048	8856	8953	9371	9283	10980	11007	736	641	737
2049	8856	8954	9372	9283	11054	11096	737	641	739
2050	8856	8956	9372	9284	11122	11183	738	641	741
2051	8856	8957	9373	9284	11186	11272	739	640	743
2052	8856	8959	9374	9285	11247	11360	740	640	745
2053	8856	8964	9374	9285	11305	11444	741	640	747
2054	8856	8969	9375	9285	11359	11524	742	640	748
2055	8856	8973	9375	9285	11412	11601	743	640	749
2056	8856	8976	9376	9286	11464	11682	744	640	751
2057	8856	8979	9377	9286	11513	11768	745	639	753
2058	8856	8982	9377	9286	11560	11852	745	639	754
2059	8856	8985	9378	9287	11605	11931	746	639	755
2060	8856	8988	9378	9287	11647	12005	747	639	757
2061	8856	8991	9379	9287	11688	12074	747	639	758
2062	8856	8994	9379	9288	11727	12138	748	639	759
2063	8856	9000	9379	9288	11765	12200	749	639	759
2064	8856	9007	9380	9288	11801	12257	749	639	760
2065	8856	9013	9380	9288	11835	12312	750	638	761
2066	8856	9018	9381	9288	11869	12363	750	638	762
2067	8856	9024	9381	9288	11901	12413	751	638	763
2068	8856	9029	9381	9289	11932	12460	751	638	763
2069	8856	9034	9382	9289	11961	12506	752	638	764

B-2. Modelled Groundwater Flux (m^3/d) Entering the River Murray In Woolpunda for all Scenarios (Part 2/3)

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)
2070	8856	9038	9382	9289	11990	12549	752	638	765
2071	8856	9043	9382	9289	12018	12590	753	638	765
2072	8856	9048	9383	9290	12045	12630	753	638	766
2073	8856	9057	9383	9290	12071	12668	754	638	767
2074	8856	9066	9383	9290	12096	12705	754	638	767
2075	8856	9075	9384	9290	12120	12740	754	637	768
2076	8856	9083	9384	9290	12144	12775	755	637	768
2077	8856	9091	9384	9290	12167	12808	755	637	769
2078	8856	9099	9384	9291	12189	12840	755	637	769
2079	8856	9106	9384	9291	12211	12871	756	637	770
2080	8856	9114	9384	9291	12232	12901	756	637	770
2081	8856	9121	9385	9292	12252	12930	757	637	771
2082	8856	9128	9385	9292	12272	12958	757	637	771
2083	8856	9140	9385	9292	12291	12985	757	637	772
2084	8856	9152	9385	9292	12310	13011	758	637	772
2085	8856	9164	9385	9292	12328	13037	758	637	772
2086	8856	9176	9385	9292	12346	13061	758	636	773
2087	8856	9187	9386	9292	12363	13086	758	636	773
2088	8856	9197	9386	9292	12380	13109	759	636	774
2089	8856	9208	9386	9293	12396	13132	759	636	774
2090	8856	9218	9386	9293	12412	13154	759	636	774
2091	8856	9227	9386	9293	12428	13175	760	636	775
2092	8856	9237	9386	9293	12443	13196	760	636	775
2093	8856	9251	9387	9293	12458	13216	760	636	775
2094	8856	9267	9387	9293	12472	13236	760	636	776
2095	8856	9282	9387	9294	12486	13255	760	636	776
2096	8856	9297	9387	9294	12500	13274	761	636	776
2097	8856	9310	9387	9294	12514	13293	761	636	777
2098	8856	9324	9387	9294	12527	13311	761	636	777
2099	8856	9337	9387	9294	12540	13328	761	636	777
2100	8856	9349	9387	9294	12552	13345	762	636	778
2101	8856	9361	9387	9294	12564	13362	762	635	778
2102	8856	9373	9387	9294	12576	13378	762	635	778
2103	8856	9390	9387	9294	12588	13394	762	635	778
2104	8856	9409	9388	9294	12600	13409	762	635	779
2105	8856	9426	9388	9294	12611	13424	763	635	779
2106	8856	9443	9388	9294	12622	13439	763	635	779
2107	8856	9460	9388	9295	12633	13453	763	635	779
2108	8856	9475	9388	9295	12643	13467	763	635	780
2109	8856	9491	9388	9295	12653	13481	763	635	780
2110	8856	9505	9388	9295	12663	13495	764	635	780
2111	8856	9520	9388	9295	12673	13508	764	635	780
2112	8856	9534	9388	9295	12683	13521	764	635	781
2113	8856	9553	9388	9295	12693	13533	764	635	781
2114	8856	9573	9388	9295	12702	13546	764	635	781

B-2. Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda for all Scenarios (Part 3/3)



B-2. Graphs of Modelled Total Groundwater Flux (m³/d) Entering the River Murray in Woolpunda for all Scenarios

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

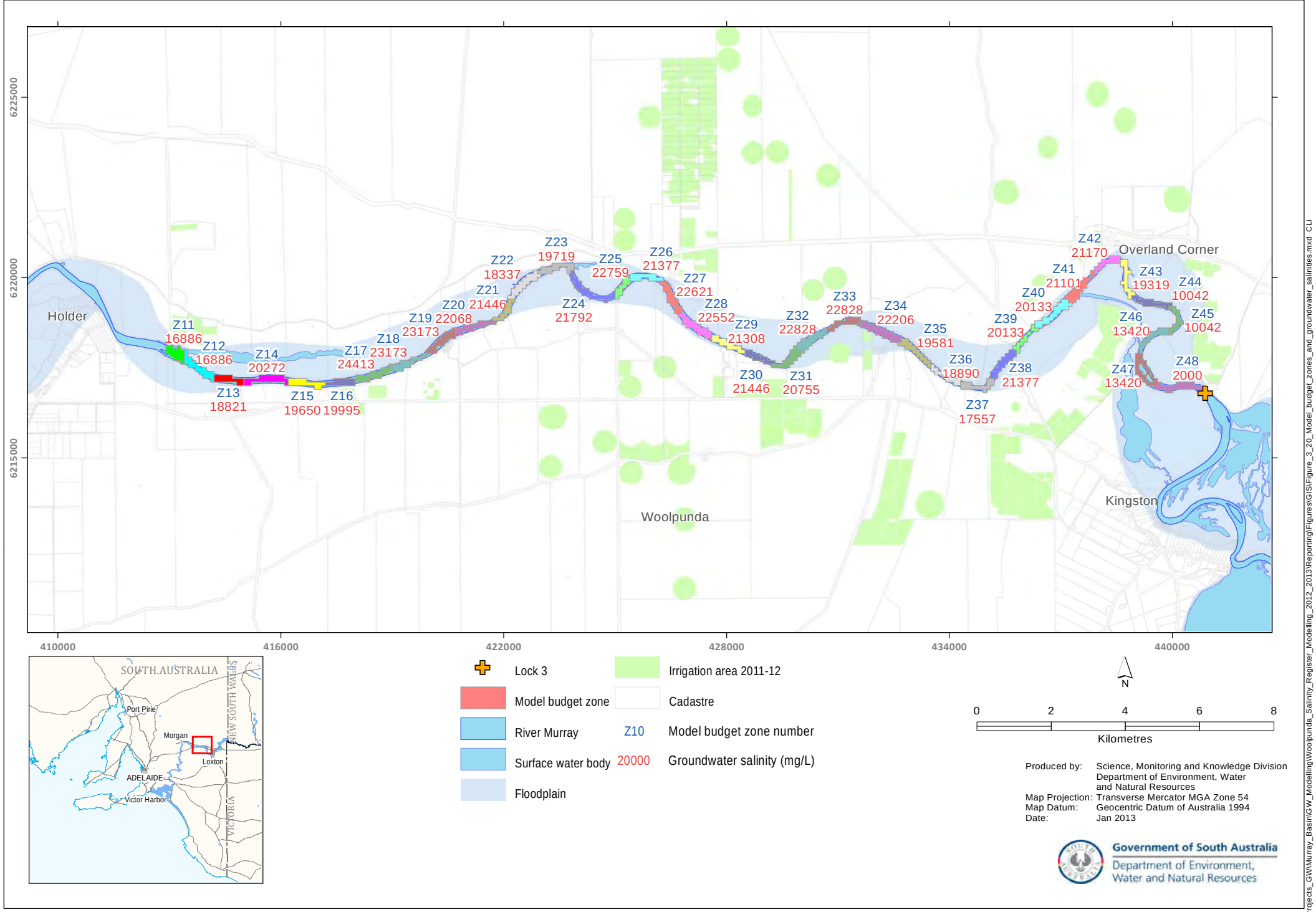
- Model scenario conditions
- Flow budget zones
- Modelled groundwater flux entering the River Murray for the historical model and all scenarios
- Modelled salt load entering the River Murray for the historical model and all scenarios

Scenario	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

B-3. Model Scenario conditions



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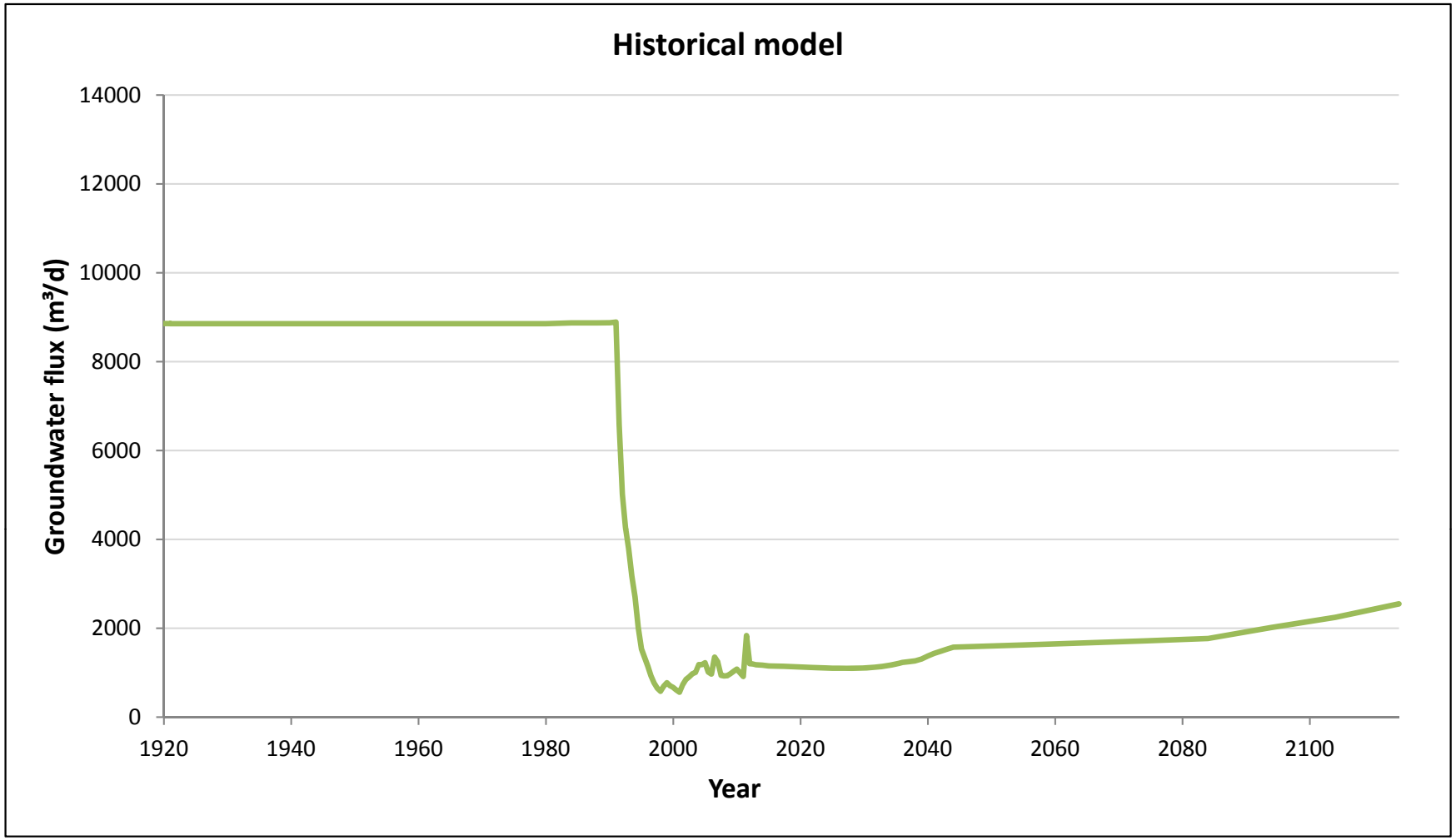
B-3. Flow Budget Zones (Model Layer 1) and Groundwater Salinity Values (TDS mg/L) in Woolpunda Area

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8874
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32143	32874	1988	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8892
33239	33420	1991	1991.5	0	11	8	28	110	133	275	295	342	255	241	300	113	345	206	206	440	388	450	363	342	290	219	265	189	180	85	103	64	93	70	169	6580
33420	33604	1991.5	1992	0	3	1	6	64	100	215	234	254	181	189	191	48	207	128	108	323	308	370	292	276	223	147	203	179	180	85	104	64	93	70	169	5018
33604	33786	1992	1992.5	0	2	0	4	63	95	200	216	227	165	172	197	62	181	105	76	268	270	331	251	237	183	124	151	151	124	53	85	52	57	40	134	4278
33786	33970	1992.5	1993	0	1	0	4	53	76	185	204	208	150	160	185	59	159	93	70	239	242	310	228	218	164	116	122	126	101	35	66	40	34	26	118	3792
33970	34151	1993	1993.5	0	1	0	3	45	61	149	168	165	129	145	162	50	127	80	57	215	221	278	185	201	169	115	98	66	69	13	35	28	18	16	105	3173
34151	34335	1993.5	1994	0	0	0	2	37	48	123	142	134	111	131	141	42	102	68	44	193	203	255	161	186	161	109	79	36	46	5	20	19	7	10	95	2707
34335	34516	1994	1994.5	0	0	0	1	21	32	99	121	100	73	106	83	15	53	43	28	151	145	207	131	149	133	88	58	27	32	2	13	11	2	7	90	2020
34516	34700	1994.5	1995	0	0	0	0	12	20	78	102	74	50	85	52	7	22	27	17	119	109	173	107	120	109	70	41	18	20	1	8	6	1	5	85	1536
34700	34881	1995	1995.5	0	0	0	0	6	12	64	96	62	37	77	72	7	12	20	13	100	84	151	96	108	95	60	39	19	16	0	6	3	1	4	79	1341
34881	35065	1995.5	1996	0	0	0	0	3	6	52	88	51	27	70	70	5	7	15	10	82	65	131	83	96	84	53	37	17	12	0	3	2	0	3	75	1148
35065	35247	1996	1996.5	0	0	0	0	2	4	44	73	36	20	65	79	11	3	8	6	54	47	118	76	79	67	46	23	4	1	0	1	1	0	1	65	935
35247	35431	1996.5	1997	0	0	0	0	2	2	37	63	27	16	61	80	12	1	4	4	33	32	103	65	66	52	37	12	1	0	0	0	0	0	0	59	769
35431	35612	1997	1997.5	0	0	0	0	1	0	28	55	21	15	59	84	14	2	4	3	19	23	85	54	70	42	21	3	0	0	0	0	0	0	0	49	651
35612	35796	1997.5	1998	0	0	0	0	0	0	21	47	16	13	56	85	15	3	4	2	13	19	75	50	73	38	13	0	0	0	0	0	0	0	0	42	584
35796	35977	1998	1998.5	0	0	0	0	0	0	25	50	21	17	59	98	28	10	6	6	31	23	81	57	77	37	19	1	0	0	0	0	0	0	0	50	696
35977	36161	1998.5	1999	0	0	0	0	0	0	27	52	26	21	62	107	34	17	12	9	41	25	85	62	80	37	21	2	0	0	0	0	0	0	0	52	774
36161	36342	1999	1999.5	0	0	0	0	0	0	23	49	27	20	56	65	23	13	16	12	44	24	82	55	73	39	26	7	0	0	0	0	0	0	0	54	706
36342	36526	1999.5	2000	0	0	0	0	0	0	20	46	26	18	50	52	20	11	18	15	46	24	78	49	68	38	29	8	0	0	0	0	0	0	0	54	669
36526	36708	2000	2000.5	0	0	0	0	0	0	19	47	21	14	49	54	21	12	16	13	45	20	71	44	64	39	15	0	0	0	0	0	0	0	0	43	609
36708	36892	2000.5	2001	0	0	0	0	0	0	18	46	18	12	47	53	21	13	16	13	42	17	63	37	60	37	9	0	0	0	0	0	0	0	0	39	562
36892	37073	2001	2001.5	0	0	0	0	0	0	22	55	23	12	43	45	25	30	33	16	62	50	110	71	52	28	11	0	0	0	0	0	0	0	0	43	732
37073	37257	2001.5	2002	0	0	0	0	1	0	26	62	27	12	40	40	27	41	43	22	77	76	139	86	47	26	12	2	1	0	0	0	0	0	0	44	850
37257	37438	2002	2002.5	0	0	0	0	1	1	36	68	31	15	42	42	22	36	48	26	76	75	150	92	55	27	15	4	2	0	0	0	0	0	0	43	906
37438	37622	2002.5	2003	0	0	0	0	1	5	45	73	33	16	43	42	21	39	51	28	79	81	159	99	62	29	18	7	3	0	0	0	0	0	0	44	977
37622	37803	2003	2003.5	0	0	0	0	0	1	38	63	37	23	47	38	29	53	43	18	94	89	153	97	66	29	18	7	3	0	0	0	0	0	0	62	1010
37803	37987	2003.5	2004	0	0	0	0	0	0	27	60	41	40	61	53	44	77	44	16	101	111	174	127	92	31	22	12	3	0	0	0	0	0	0	46	1184
37987	38169	2004	2004.5	0	0	0	0	0	0	18	46	37	40	66	62	48	81	55	31	114	103	167	116	74	32	26	14	3	0	0	0	0	0	0	52	1184
38169	38353	2004.5	2005	0	0	0	0	0	0	11	38	40	50	70	59	31	76	59	33	107	99	176	127	65	46	63	21	4	0	0	0	0	0	0	50	1225
38353	38534	2005	2005.5	0	0	0	0	0	0	6	26	24	44	70	78	37	47	44	20	85	74	139	82	69	63	54	6	3	0	0	0	0	0	0	48	1017
38534	38718	2005.5	2006	0	0	0	0	0	0	3	16	14	35	69	83	45	59	39	14	73	75	149	100	64	47	31	7	3	0	0	0	0	0	0	44	969
38718	38899	2006	2006.5	0	0	0	0	0	0	31	61	41	58	82	99	46	91	60	49	125	98	160	116	77	47	37	11	3	1	0	0	0	0	0	54	1350
38899	39083	2006.5	2007	0	0	0	0	0	0	36	49	27	37	78	70	48	99	59	31	111	84	155	103	75	48	45	18	4	1	0	0	0	0	0	59	1239
39083	39264	2007	2007.5	0	0	0	0	0	0	25	44	25	33	69	51	35	44	21	1	60	85	134	82	69	42	45	27	4	1	0	0	0	0	0	48	943
39264	39448	2007.5	2008	0	0	0	0	0	0	28	48	27	36	67	44	33	57	21	2	58	73	121	64	62	44	64	31	4	1	0	0	0	0	0	42	927

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (Historical Model) (Part 1/2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
39448	39630	2008	2008.5	0	0	0	0	0	0	17	40	20	27	60	34	39	90	35	11	68	82	132	66	66	42	50	20	3	0	0	0	0	0	0	30	935
39630	39814	2008.5	2009	0	0	0	0	0	0	7	25	13	39	71	44	42	106	42	8	53	84	144	76	76	42	44	22	3	0	0	0	0	0	0	37	978
39814	39995	2009	2009.5	0	0	0	0	0	2	29	33	10	29	66	39	32	81	33	5	53	89	141	79	81	63	86	36	4	0	0	0	0	0	0	40	1032
39995	40179	2009.5	2010	0	0	0	0	0	0	25	41	11	19	59	36	25	65	41	12	61	108	160	84	85	68	86	52	4	0	0	0	0	0	0	41	1082
40179	40360	2010	2010.5	0	0	0	0	0	0	18	62	15	12	49	26	16	28	29	6	63	109	168	100	86	68	74	29	3	0	0	0	0	0	0	37	998
40360	40544	2010.5	2011	0	0	0	0	0	0	18	74	27	18	49	24	17	29	27	9	69	92	153	90	72	48	45	22	3	0	0	0	0	0	0	30	916
40544	40725	2011	2011.5	0	0	0	0	0	4	61	110	78	66	80	85	54	117	79	65	143	145	207	152	124	80	87	48	5	0	0	0	0	0	0	49	1837
40725	40909	2011.5	2012	0	0	0	0	0	0	38	76	44	28	66	47	22	48	50	24	71	74	163	127	117	70	65	37	3	0	0	0	0	0	0	33	1203
40909	41091	2012	2012.5	0	0	0	0	0	0	34	66	37	31	62	45	21	41	34	13	78	96	182	119	110	76	79	33	3	0	0	0	0	0	0	39	1199
41091	41275	2012.5	2013	0	0	0	0	0	0	27	54	29	30	60	42	18	28	23	9	79	112	200	118	104	80	88	32	3	0	0	0	0	0	0	43	1180
41275	41640	2013	2014	0	0	0	0	0	0	25	50	27	29	59	41	16	23	19	9	79	116	205	119	103	81	89	32	3	0	0	0	0	0	0	44	1170
41640	42005	2014	2015	0	0	0	0	0	0	21	45	24	27	56	38	14	17	16	7	79	121	211	120	102	82	91	32	3	0	0	0	0	0	0	46	1154
42005	42370	2015	2016	0	0	0	0	0	0	21	44	23	27	56	38	14	15	15	7	80	122	213	121	102	82	91	32	3	0	0	0	0	1	0	46	1150
42370	42736	2016	2017	0	0	0	0	0	0	20	42	23	26	55	37	13	14	14	7	81	123	214	121	102	82	92	31	3	0	0	0	0	1	0	46	1148
42736	43101	2017	2018	0	0	0	0	0	0	19	40	21	25	53	35	12	12	13	7	83	125	216	122	102	82	92	31	3	0	0	0	0	1	0	47	1141
43101	43466	2018	2019	0	0	0	0	0	0	18	39	20	24	52	34	12	10	12	7	84	126	217	123	102	82	92	31	2	0	0	0	0	1	0	47	1134
43466	43831	2019	2020	0	0	0	0	0	0	17	38	20	24	51	34	12	10	12	7	84	126	217	123	102	82	91	30	2	0	0	0	0	1	1	47	1130
43831	44197	2020	2021	0	0	0	0	0	0	16	37	19	23	51	33	11	10	12	7	84	126	217	123	102	82	91	30	2	0	0	0	0	1	1	47	1126
44197	44562	2021	2022	0	0	0	0	0	0	15	36	18	22	50	32	11	9	11	7	84	126	218	123	102	81	91	30	2	0	0	0	0	1	1	47	1118
44562	44927	2022	2023	0	0	0	0	0	0	15	35	18	22	49	31	11	8	11	7	83	126	218	123	102	81	91	29	2	0	0	0	0	1	1	47	1110
44927	45292	2023	2024	0	0	0	0	0	0	14	34	17	21	48	30	10	8	11	7	84	126	218	123	102	83	91	29	2	0	0	0	0	1	1	47	1107
45292	45658	2024	2025	0	0	0	0	0	0	13	34	16	21	48	30	10	8	11	7	85	126	218	123	102	83	90	29	2	0	0	0	0	1	1	47	1103
45658	46023	2025	2026	0	0	0	0	0	0	13	33	16	21	47	29	10	8	11	7	86	127	218	123	102	83	90	28	2	0	0	0	0	1	1	47	1102
46023	46388	2026	2027	0	0	0	0	0	0	13	33	16	20	47	29	10	8	11	7	86	127	218	123	102	83	90	28	2	0	0	0	0	1	1	47	1101
46388	46753	2027	2028	0	0	0	0	0	0	13	32	15	20	47	29	10	8	11	7	88	128	218	123	101	82	90	28	2	0	0	0	0	1	1	47	1100
46753	47119	2028	2029	0	0	0	0	0	0	12	32	15	20	46	28	10	8	11	8	90	129	219	123	101	82	89	28	2	0	0	0	0	1	1	47	1101
47119	47484	2029	2030	0	0	0	0	0	0	12	31	14	19	46	28	10	8	12	9	94	130	220	123	101	82	89	27	2	0	0	0	0	1	1	46	1107
47484	47849	2030	2031	0	0	0	0	0	0	12	30	14	19	45	28	10	8	13	10	99	133	222	124	101	82	89	27	2	0	0	0	0	1	1	46	1117
47849	48214	2031	2032	0	0	0	0	0	0	11	30	13	19	45	28	10	9	15	12	103	135	224	125	102	82	89	27	2	0	0	0	0	1	1	46	1129
48214	48580	2032	2033	0	0	0	0	0	0	11	29	13	19	45	28	10	10	16	13	107	138	226	126	102	83	89	27	2	0	0	0	0	2	1	47	1144
48580	48945	2033	2034	0	0	0	0	0	0	11	29	13	19	45	28	10	11	18	14	112	144	231	128	103	83	89	26	2	0	0	0	0	2	1	48	1168
48945	49310	2034	2035	0	0	0	0	0	0	10	29	12	19	45	28	11	12	20	16	118	152	237	131	104	84	89	26	2	0	0	0	0	2	1	48	1197
49310	49675	2035	2036	0	0	0	0	0	0	10	28	12	19	46	28	11	14	23	18	123	158	243	134	106	85	90	28	2	0	0	0	1	2	1	50	1231
49675	50041	2036	2037	0	0	0	0	0	0	10	28	12	19	46	29	11	15	24	19	125	161	245	135	107	85	91	28	2	0	0	0	1	2	2	52	1248
50041	50406	2037	2038	0	0	0	0	0	0	10	28	12	19	46	29	12	17	25	20	128	163	248	136	107	86	92	29	2	0	0	0	1	2	2	52	1266
50406	50771	2038	2039	0	0	0	0	0	0	10	28	12	19	46	30	12	19	28	23	135	169	253	139	109	88	97	31	2	0	0	0	1	2	3	54	1308
50771	51136	2039	2040	0	0	0	0	0	0	10	27	12	19	47	30	13	21	31	27	142	175	259	151	123	92	101	34	2	0	0	0	1	2	3	55	1377
51136	51502	2040	2041	0	0	0	0	0	0	9	27	12	19	47	31	13	24	33	30	149	180	265	158	132	97	105	36	2	0	0	0	2	2	3	57	1435
51502	51867	2041	2042	0	0	0	0	0	0	9	27	12	19	48	31	14	26	35	33	156	185	271	164	137	101	109	38	2	0	0	0	2	3	4	58	1484
51867	52232	2042	2043	0	0	0	0	0	0	9	27	12	19	48	32	14	29	38	37	161	190	276	168	141	104	112	40	3	0	0	0	3	3	4	60	1530
52232	52597	2043	2044	0	0	0	0	0	0	9	27	12	19	49	33	15	31	40	40	167	195	280	172	145	108	115	42	3	0	0	0	3	3	5	63	1575
52597	56250	2044	2054	0	0	0	0	0	0	9	27	12	19	49	33	15	35	43	44	172	199	285	175	148	111	118	44	3	0	0	0	3	3	5	66	1622
56250	59902	2054	2064	0	0	0	0	0	0	9	27	12	20	50	34	16	38	46	48	178	203	289	178	152	115	121	47	3	0	0	0	4	3	6	69	1668
59902	63555	2064	2074	0	0	0	0	0	0	9	27	12	20	50	35	17	41	49	52	183	207	293	183	159	119	124	49	3	0	0	0	4	3	7	72	1718
63555	67207	2074	2084	0	0	0	0	0	0	9	27	12	20	51	36	18	43	51	55	187	211	298	188	166	124	127	52	3	0	0	0	5	4	7	74	1769
67207	70860	2084	2094	0	0	0	0	0	0	9	27	13	21	53	40	21	54	60	67	205	227	321	218	209	149	143	66	4	0	0	0	7	6	10	87	2018
70860	74511	2094	2104	0	0	0	0	0	0	9	28	14	23	56	44	24	64	68	79	222	244	341	239	236	170	159	85	6	4	1	1	10	9	13	99	2246
74511	78164	2104	2114	0	0	0	0	0	0	10	30	15	25	60	52	28	79	78	93	244	263	364	262	268	197	180	112	8	19	4	3	14	14	18	113	2551

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (Historical model) (Part 2/2)



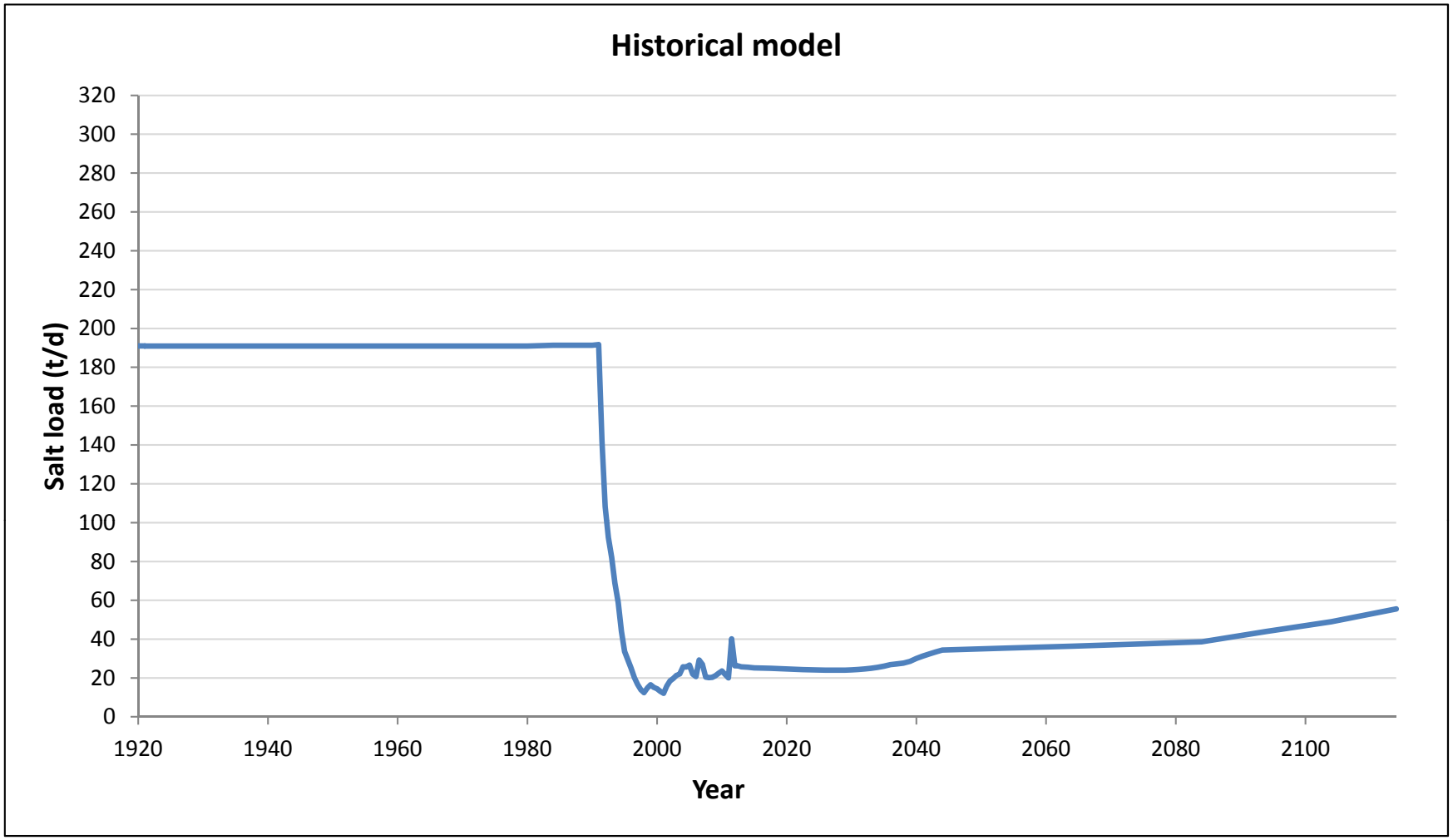
B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (Historical model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32874	1988	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33420	1991	1991.5	0.0	0.2	0.1	0.6	2.2	2.7	6.7	6.8	7.9	5.6	5.2	5.5	2.2	7.5	4.7	4.4	9.9	8.8	9.6	7.8	7.1	6.6	5.0	5.9	3.7	3.4	1.5	2.2	1.3	1.9	1.5	3.6	142.1
33420	33604	1991.5	1992	0.0	0.1	0.0	0.1	1.3	2.0	5.3	5.4	5.9	4.0	4.1	3.5	0.9	4.5	2.9	2.3	7.3	6.9	7.9	6.3	5.7	5.1	3.3	4.5	3.5	3.4	1.5	2.2	1.3	1.9	1.5	3.6	108.2
33604	33786	1992	1992.5	0.0	0.0	0.0	0.1	1.2	1.9	4.9	5.0	5.3	3.6	3.7	3.6	1.2	3.9	2.4	1.6	6.1	6.1	7.0	5.4	4.9	4.2	2.8	3.4	3.0	2.3	0.9	1.8	1.1	1.2	0.8	2.8	92.4
33786	33970	1992.5	1993	0.0	0.0	0.0	0.1	1.1	1.5	4.5	4.7	4.8	3.3	3.4	3.4	1.2	3.5	2.1	1.5	5.4	5.5	6.6	4.9	4.5	3.7	2.6	2.7	2.5	1.9	0.6	1.4	0.8	0.7	0.5	2.5	82.0
33970	34151	1993	1993.5	0.0	0.0	0.0	0.1	0.9	1.2	3.6	3.9	3.8	2.8	3.1	3.0	1.0	2.8	1.8	1.2	4.9	5.0	5.9	4.0	4.2	3.9	2.6	2.2	1.3	1.3	0.2	0.8	0.6	0.4	0.3	2.2	68.9
34151	34335	1993.5	1994	0.0	0.0	0.0	0.0	0.7	1.0	3.0	3.3	3.1	2.4	2.8	2.6	0.8	2.2	1.5	0.9	4.4	4.6	5.4	3.4	3.9	3.7	2.5	1.8	0.7	0.9	0.1	0.4	0.4	0.1	0.2	2.0	58.9
34335	34516	1994	1994.5	0.0	0.0	0.0	0.0	0.4	0.6	2.4	2.8	2.3	1.6	2.3	1.5	0.3	1.1	1.0	0.6	3.4	3.3	4.4	2.8	3.1	3.0	2.0	1.3	0.5	0.6	0.0	0.3	0.2	0.0	0.2	1.9	44.1
34516	34700	1994.5	1995	0.0	0.0	0.0	0.0	0.2	0.4	1.9	2.4	1.7	1.1	1.8	0.9	0.1	0.5	0.6	0.4	2.7	2.5	3.7	2.3	2.5	2.5	1.6	0.9	0.4	0.4	0.0	0.2	0.1	0.0	0.1	1.8	33.6
34700	34881	1995	1995.5	0.0	0.0	0.0	0.0	0.1	0.2	1.6	2.2	1.4	0.8	1.7	1.3	0.1	0.3	0.5	0.3	2.3	1.9	3.2	2.1	2.2	2.2	1.4	0.9	0.4	0.3	0.0	0.1	0.1	0.0	0.1	1.7	29.3
34881	35065	1995.5	1996	0.0	0.0	0.0	0.0	0.1	0.1	1.3	2.0	1.2	0.6	1.5	1.3	0.1	0.2	0.3	0.2	1.9	1.5	2.8	1.8	2.0	1.9	1.2	0.8	0.3	0.2	0.0	0.1	0.0	0.0	0.1	1.6	25.0
35065	35247	1996	1996.5	0.0	0.0	0.0	0.0	0.0	0.1	1.1	1.7	0.8	0.4	1.4	1.4	0.2	0.1	0.2	0.1	1.2	1.1	2.5	1.6	1.6	1.5	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4	20.3
35247	35431	1996.5	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.5	0.6	0.4	1.3	1.5	0.2	0.0	0.1	0.1	0.7	0.7	2.2	1.4	1.4	1.2	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	16.6
35431	35612	1997	1997.5	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.5	0.3	1.3	1.5	0.3	0.0	0.1	0.1	0.4	0.5	1.8	1.1	1.5	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	14.0
35612	35796	1997.5	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.4	0.3	1.2	1.6	0.3	0.1	0.1	0.0	0.3	0.4	1.6	1.1	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	12.5
35796	35977	1998	1998.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.5	0.4	1.3	1.8	0.6	0.2	0.1	0.1	0.7	0.5	1.7	1.2	1.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	14.9
35977	36161	1998.5	1999	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.2	0.6	0.5	1.3	2.0	0.7	0.4	0.3	0.2	0.9	0.6	1.8	1.3	1.7	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	16.5
36161	36342	1999	1999.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.6	0.4	1.2	1.2	0.5	0.3	0.4	0.3	1.0	0.6	1.7	1.2	1.5	0.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	15.2
36342	36526	1999.5	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.6	0.4	1.1	0.9	0.4	0.2	0.4	0.3	1.0	0.5	1.7	1.1	1.4	0.9	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	14.5
36526	36708	2000	2000.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.5	0.3	1.0	1.0	0.4	0.3	0.4	0.3	1.0	0.5	1.5	0.9	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	13.1
36708	36892	2000.5	2001	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.4	0.3	1.0	1.0	0.4	0.3	0.4	0.3	0.9	0.4	1.3	0.8	1.3	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	12.1
36892	37073	2001	2001.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.3	0.5	0.3	0.9	0.8	0.5	0.6	0.7	0.3	1.4	1.1	2.3	1.5	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	15.9
37073	37257	2001.5	2002	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	0.6	0.3	0.9	0.7	0.5	0.9	1.0	0.5	1.7	1.7	3.0	1.9	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	18.5
37257	37438	2002	2002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6	0.7	0.3	0.9	0.8	0.4	0.8	1.1	0.6	1.7	1.7	3.2	2.0	1.1	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	19.8
37438	37622	2002.5	2003	0.0	0.0	0.0	0.0	0.0	0.1	1.1	1.7	0.8	0.4	0.9	0.8	0.4	0.9	1.2	0.6	1.8	1.8	3.4	2.1	1.3	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	21.3
37622	37803	2003	2003.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.5	0.9	0.5	1.0	0.7	0.6	1.2	1.0	0.4	2.1	2.0	3.3	2.1	1.4	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.3	22.1
37803	37987	2003.5	2004	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.9	0.9	1.3	1.0	0.9	1.7	1.0	0.4	2.3	2.5	3.7	2.7	1.9	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.7
37987	38169	2004	2004.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	0.9	0.9	1.4	1.1	1.0	1.8	1.3	0.7	2.6	2.3	3.6	2.5	1.5	0.7	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	25.7
38169	38353	2004.5	2005	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.9	1.1	1.5	1.1	0.6	1.6	1.3	0.7	2.4	2.2	3.8	2.7	1.3	1.0	1.4	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	26.6
38353	38534	2005	2005.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6	1.0	1.5	1.4	0.7	1.0	1.0	0.4	1.9	1.7	3.0	1.7	1.4	1.4	1.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	22.0
38534	38718	2005.5	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.3	0.8	1.5	1.5	0.9	1.3	0.9	0.3	1.6	1.7	3.2	2.2	1.3	1.1	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	20.8
38718	38899	2006	2006.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.0	1.3	1.8	1.8	0.9	2.0	1.4	1.1	2.8	2.2	3.4	2.5	1.6	1.1	0.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	29.3
38899	39083	2006.5	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.1	0.6	0.8	1.7	1.3	0.9	2.2	1.3	0.7	2.5	1.9	3.3	2.2	1.6	1.1	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.3	26.9
39083	39264	2007	2007.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.6	0.7	1.5	0.9	0.7	1.0	0.5	0.0	1.4	1.9	2.8	1.8	1.4	1.0	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	20.5
39264	39448	2007.5	2008	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.1	0.6	0.8	1.4	0.8	0.6	1.2	0.5	0.0	1.3	1.6	2.6	1.4	1.3	1.0	1.5	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	20.2
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (Historical Model)(Part 1/2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
39448	39630	2008	2008.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.5	0.6	1.3	0.6	0.8	2.0	0.8	0.2	1.5	1.8	2.8	1.4	1.4	1.0	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	20.4
39630	39814	2008.5	2009	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.9	1.5	0.8	0.8	2.3	0.9	0.2	1.2	1.9	3.1	1.6	1.6	1.0	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	21.2
39814	39995	2009	2009.5	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.2	0.7	1.4	0.7	0.6	1.8	0.8	0.1	1.2	2.0	3.0	1.7	1.7	1.4	2.0	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	22.5
39995	40179	2009.5	2010	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	0.3	0.4	1.3	0.7	0.5	1.4	0.9	0.3	1.4	2.4	3.4	1.8	1.8	1.6	2.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	23.6
40179	40360	2010	2010.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	0.3	0.3	1.1	0.5	0.3	0.6	0.7	0.1	1.4	2.4	3.6	2.2	1.8	1.5	1.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	21.8
40360	40544	2010.5	2011	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7	0.6	0.4	1.0	0.4	0.3	0.6	0.6	0.2	1.6	2.1	3.3	1.9	1.5	1.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	20.1
40544	40725	2011	2011.5	0.0	0.0	0.0	0.0	0.0	0.1	1.5	2.5	1.8	1.5	1.7	1.5	1.1	2.6	1.8	1.4	3.2	3.3	4.4	3.3	2.6	1.8	2.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	40.2
40725	40909	2011.5	2012	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.0	0.6	1.4	0.9	0.4	1.0	1.1	0.5	1.6	1.7	3.5	2.7	2.4	1.6	1.5	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	26.3
40909	41091	2012	2012.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.9	0.7	1.3	0.8	0.4	0.9	0.8	0.3	1.8	2.2	3.9	2.5	2.3	1.7	1.8	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	26.2
41091	41275	2012.5	2013	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.7	1.3	0.8	0.3	0.6	0.5	0.2	1.8	2.5	4.3	2.5	2.2	1.8	2.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	25.8
41275	41640	2013	2014	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6	0.6	1.3	0.7	0.3	0.5	0.4	0.2	1.8	2.6	4.4	2.5	2.1	1.9	2.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	25.6
41640	42005	2014	2015	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.6	0.6	1.2	0.7	0.3	0.4	0.4	0.2	1.8	2.7	4.5	2.6	2.1	1.9	2.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.2
42005	42370	2015	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5	0.6	1.2	0.7	0.3	0.3	0.3	0.2	1.8	2.7	4.5	2.6	2.1	1.9	2.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.1
42370	42736	2016	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5	0.6	1.2	0.7	0.3	0.3	0.3	0.2	1.8	2.8	4.6	2.6	2.1	1.9	2.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.1
42736	43101	2017	2018	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.5	0.5	1.1	0.6	0.2	0.3	0.3	0.2	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.9
43101	43466	2018	2019	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.5	0.5	1.1	0.6	0.2	0.2	0.3	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.8
43466	43831	2019	2020	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.5	0.5	1.1	0.6	0.2	0.2	0.3	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.7
43831	44197	2020	2021	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.4	0.5	1.1	0.6	0.2	0.2	0.3	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.6
44197	44562	2021	2022	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4	0.5	1.1	0.6	0.2	0.2	0.3	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.4
44562	44927	2022	2023	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4	0.5	1.1	0.6	0.2	0.2	0.2	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.2
44927	45292	2023	2024	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	0.5	1.0	0.6	0.2	0.2	0.2	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.2
45292	45658	2024	2025	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	0.5	1.0	0.5	0.2	0.2	0.2	0.1	1.9	2.8	4.6	2.6	2.1	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.1
45658	46023	2025	2026	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	0.5	1.0	0.5	0.2	0.2	0.2	0.1	1.9	2.9	4.6	2.6	2.1	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.1
46023	46388	2026	2027	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	0.4	1.0	0.5	0.2	0.2	0.2	0.1	2.0	2.9	4.6	2.6	2.1	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.0
46388	46753	2027	2028	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.4	0.4	1.0	0.5	0.2	0.2	0.2	0.2	2.0	2.9	4.7	2.6	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.0
46753	47119	2028	2029	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.2	0.3	0.2	2.0	2.9	4.7	2.6	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.0
47119	47484	2029	2030	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.2	0.3	0.2	2.1	2.9	4.7	2.6	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.2
47484	47849	2030	2031	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.2	0.3	0.2	2.2	3.0	4.7	2.7	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.4
47849	48214	2031	2032	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.2	0.3	0.3	2.3	3.1	4.8	2.7	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.7
48214	48580	2032	2033	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.2	0.4	0.3	2.4	3.1	4.8	2.7	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.0
48580	48945	2033	2034	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.2	0.4	0.3	2.5	3.3	4.9	2.8	2.1	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	25.5
48945	49310	2034	2035	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.3	0.4	1.0	0.5	0.2	0.3	0.5	0.3	2.7	3.4	5.1	2.8	2.2	1.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	26.1
49310	49675	2035	2036	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.3	0.4	1.0	0.5	0.2	0.3	0.5	0.4	2.8	3.6	5.2	2.9	2.2	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	26.9
49675	50041	2036	2037	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.3	0.4	1.0	0.5	0.2	0.3	0.5	0.4	2.8	3.6	5.2	2.9	2.2	1.9	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	27.3
50041	50406	2037	2038	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.5	0.2	0.4	0.6	0.4	2.9	3.7	5.3	2.9	2.2	2.0	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	27.7
50406	50771	2038	2039	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.5	0.2	0.4	0.6	0.5	3.0	3.8	5.4	3.0	2.3	2.0	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	28.6
50771	51136	2039	2040	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.6	0.2	0.5	0.7	0.6	3.2	3.9	5.5	3.2	2.6	2.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	30.1
51136	51502	2040	2041	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.6	0.3	0.5	0.8	0.6	3.4	4.1	5.7	3.4	2.7	2.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	31.3
51502	51867	2041	2042	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.6	0.3	0.6	0.8	0.7	3.5	4.2	5.8	3.5	2.8	2.3	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.2	32.4
51867	52232	2042	2043	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.6	0.3	0.6	0.9	0.8	3.6	4.3	5.9	3.6	2.9	2.4	2.6	0.9	0.0	0.0	0.0	0.0	0.1	0.1	0.1	1.3	33.4
52232	52597	2043	2044	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.0	0.6	0.3	0.7	0.9	0.9	3.8	4.4	6.0	3.7	3.0	2.5	2.6	0.9	0.1	0.0	0.0	0.0	0.1	0.1	0.1	1.3	34.4
52597	56250	2044	2054	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.1	0.6	0.3	0.8	1.0	0.9	3.9	4.5	6.1	3.8	3.1	2.5	2.7	1.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	1.4	35.4
56250	59902	2054	2064	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.1	0.6	0.3	0.8	1.0	1.0	4.0	4.6	6.2	3.8	3.2	2.6	2.8	1.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	1.5	36.4
59902	63555	2064	2074	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.1	0.6	0.3	0.9	1.1	1.1	4.1	4.7	6.2	3.9	3.3	2.7	2.8	1.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	1.5	37.5
63555	67207	2074	2084	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.4	1.1	0.7	0.3	0.9	1.2	1.2	4.2	4.8	6.3	4.0	3.5	2.8	2.9	1.2	0.1	0.0	0.0	0.0	0.1	0.1	0.2	1.6	38.6
67207	70860	2084	2094	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.3	0.5	1.1	0.7	0.4	1.2	1.4	1.4	4.6	5.1	6.8	4.7	4.3	3.4	3.3	1.5	0.1	0.0	0.0	0.0	0.1	0.1	0.2	1.8	44.0
70860	74511	2094	2104	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.3	0.5	1.2	0.8	0.5	1.4	1.5	1.7	5.0	5.5	7.3	5.1	4.9	3.9	3.6	1.9	0.1	0.1	0.0	0.0	0.2	0.2	0.3	2.1	49.0
74511	78164	2104	2114	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.4	0.5	1.3	0.9	0.6	1.7	1.8	2.0	5.5	5.9	7.8	5.6	5.6	4.5	4.1	2.5	0.2	0.4	0.1	0.1	0.3	0.3	0.4	2.4	55.5
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (Historical Model)(Part 2/2)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (Historical Model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	83	174	188	358	376	453	365	303	495	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	63	93	70	169	8858
7306	7672	1920	1921	0	27	32	83	174	188	358	376	453	365	303	494	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	63	93	70	169	8858
7672	8402	1921	1923	0	27	32	83	174	188	358	376	453	365	303	495	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	63	93	70	169	8858
8402	9133	1923	1925	0	27	32	83	174	188	358	376	453	365	303	494	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	63	93	70	169	8858
9133	10959	1925	1930	0	27	32	83	174	188	358	376	453	365	303	495	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	63	93	70	169	8858
10959	14611	1930	1940	0	27	32	83	174	188	358	376	453	365	303	495	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	63	94	70	169	8861
14611	18264	1940	1950	0	27	33	83	174	188	358	376	453	366	303	495	313	570	321	370	593	499	542	430	409	353	321	342	195	176	81	95	64	94	70	169	8863
18264	21916	1950	1960	0	27	33	83	174	188	358	376	453	366	303	495	313	570	322	370	593	500	542	430	410	353	321	342	195	176	81	95	64	94	70	169	8867
21916	25569	1960	1970	0	28	33	83	174	188	358	376	454	366	304	495	313	570	322	370	593	500	542	430	410	353	321	343	195	176	82	95	64	94	71	170	8871
25569	27395	1970	1975	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	195	176	82	95	64	95	71	170	8876
27395	29221	1975	1980	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	195	176	82	95	64	95	71	170	8876
29221	30682	1980	1984	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	196	177	82	96	64	95	71	170	8880
30682	32143	1984	1988	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	196	177	82	96	64	95	71	170	8881
32143	32509	1988	1989	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	196	177	82	96	64	95	71	170	8881
32509	32874	1989	1990	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	196	177	82	96	64	95	71	170	8881
32874	33239	1990	1991	0	28	33	84	174	188	359	376	454	366	304	495	313	571	322	370	594	500	542	431	410	353	322	343	196	177	82	96	64	95	71	170	8884
33239	33604	1991	1992	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	353	322	344	196	177	82	96	64	95	71	170	8885
33604	33970	1992	1993	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	353	322	344	196	177	82	96	64	95	71	170	8886
33970	34335	1993	1994	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	353	322	344	196	177	82	96	64	95	71	170	8886
34335	34700	1994	1995	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	353	322	344	196	177	82	96	64	95	71	170	8887
34700	35065	1995	1996	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	353	322	344	196	177	82	96	64	95	71	170	8887
35065	35431	1996	1997	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	196	177	82	96	64	95	71	170	8887
35431	35796	1997	1998	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	196	177	82	96	64	95	71	170	8887
35796	36161	1998	1999	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	196	177	82	96	64	95	71	170	8887
36161	36526	1999	2000	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	196	177	82	96	64	95	71	170	8887
36526	36892	2000	2001	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	82	97	64	95	71	170	8890
36892	37257	2001	2002	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	82	97	64	95	72	170	8892
37257	37622	2002	2003	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	64	96	72	170	8893
37622	37987	2003	2004	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8894
37987	38353	2004	2005	0	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8894
38353	38718	2005	2006	1	28	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8895
38718	39083	2006	2007	1	29	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8895
39083	39448	2007	2008	1	29	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8895
39448	39814	2008	2009	1	29	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8895
39814	40179	2009	2010	1	29	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	542	431	410	354	322	344	197	177	83	97	65	96	72	170	8895
40179	40544	2010	2011	1	29	34	84	174	188	359	376	454	367	304	495	313	571	322	370	594	500	543	431	410	354	322	345	197	178	83	97	65	96	72	170	8899
40544	40909	2011	2012	1	29	34	84	174	189	359	376	454	367	304	495	313	571	322	370	594	500	543	431	410	354	322	345	198	178	83	98	65	96	72	170	8901
40909	41275	2012	2013	1	29	34	84	174	189	359	376	454	367	304	496	313	571	322	370	594	500	543	431	410	354	322	345	198	178	83	98	65	96	72	170	8903
41275	41640	2013	2014	1	29	34	84	174	189	359	376	454	367	304	496	313	571	322	370	594	500	543	431	411	354	322	345	198	178	83	98	65	96	72	170	8904
41640	42005	2014	2015	1	29	34	84	174	189	359	376	454	367	304	496	313	571	322	370	594	500	543	431	411	354	322	345	198	178	83	98	65	96	72	170	8904
42005	42370	2015	2016	1	29	34	84	174	189	359	377	454	367	304	496	313	571	322	370	594	500	543	431	411	354	322	345	198	178	83	98	65	96	72	170	8905
42370	42736	2016	2017	1	29	34	85	174	189	359	377	454	367	304	496	313	571	322	370	595	500	543	431	411	354	322	345	198	178	83	98	65	96	72	170	8905
42736	43101	2017	2018	1	29	34	85	174	189	359	377	454	367	304	496	313	571	322	370	595	500	543	431	411	354	323	345	198	178	83	98	65	96	72	170	8905
43101	43466	2018	2019	1	29	34	85	174	189	359	377	454	367	304	496	313	571	322	370	595	500	543	431	411	354	323	345	198	178	83	98	65	96	72	170	8906
43466	43831	2019	2020	1	29	34	85	174	189	359	377	454	367	304	496	313	571	322	370	595	500	543	431	411	354	323	345	198	178	83	98	65	96	72	170	8906
43831	44197	2020	2021	1	29	34	85	175	189	359	377	454	367	304	496	313	571	322	370	595	500	543	431	411	355	323	345	198	178	83	98	65	96	72	170	8910

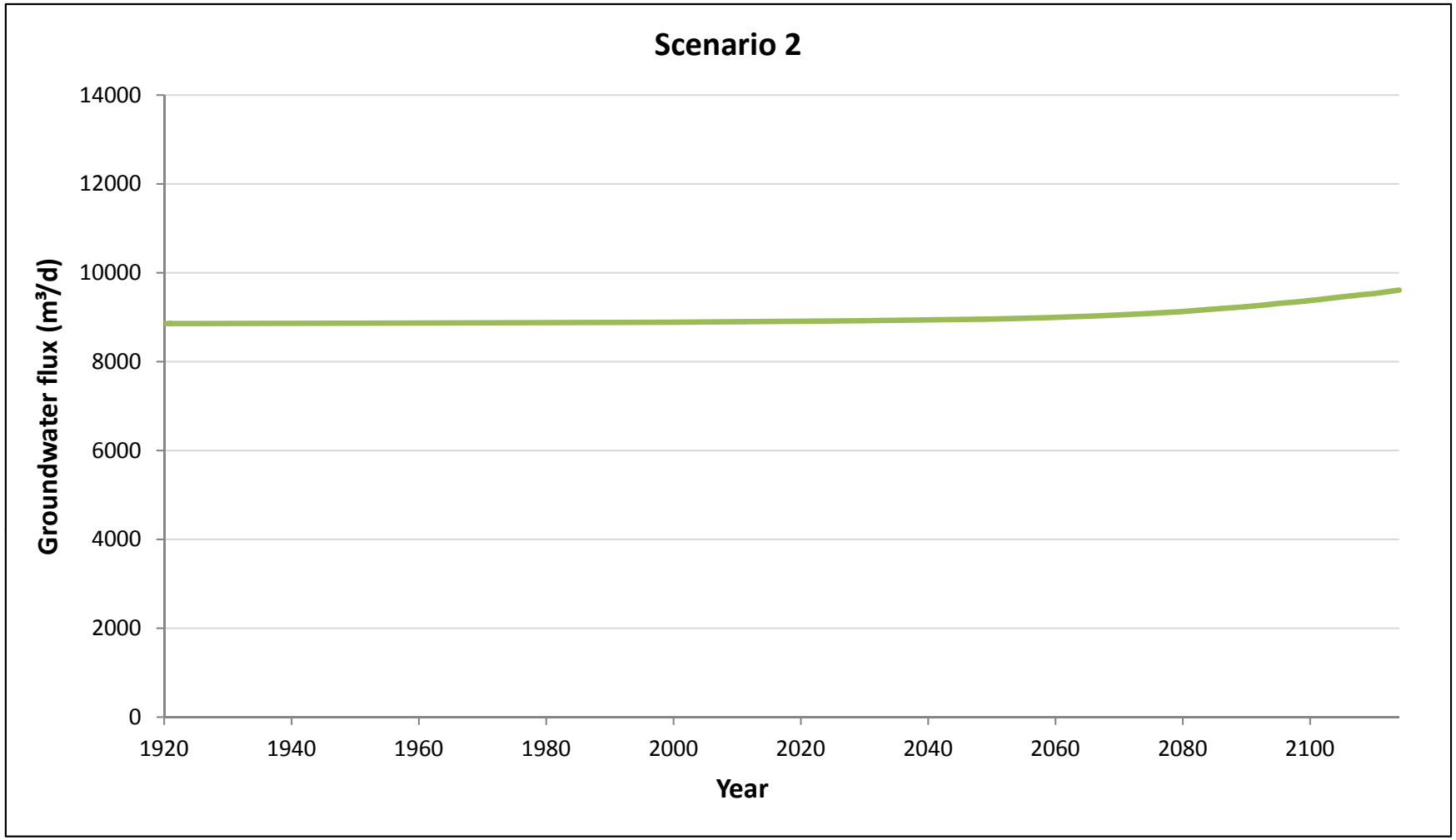
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S2)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44197	44562	2021	2022	1	29	34	85	175	189	359	377	454	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	178	83	99	65	97	72	170	8913
44562	44927	2022	2023	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	83	99	65	97	72	170	8915
44927	45292	2023	2024	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	170	8916
45292	45658	2024	2025	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	170	8916
45658	46023	2025	2026	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	171	8917
46023	46388	2026	2027	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	171	8918
46388	46753	2027	2028	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	171	8918
46753	47119	2028	2029	1	29	34	85	175	189	359	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	171	8919
47119	47484	2029	2030	1	29	34	85	175	189	360	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	346	199	179	84	99	66	97	72	171	8919
47484	47849	2030	2031	1	30	35	85	175	189	360	377	455	367	304	496	313	571	322	370	595	501	543	431	411	355	323	347	199	179	84	100	66	97	72	171	8923
47849	48214	2031	2032	1	30	35	85	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	179	84	100	66	97	72	171	8927
48214	48580	2032	2033	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	179	84	100	66	97	72	171	8929
48580	48945	2033	2034	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	179	84	100	66	97	73	171	8930
48945	49310	2034	2035	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	179	84	100	66	97	73	171	8931
49310	49675	2035	2036	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	180	84	100	66	97	73	171	8932
49675	50041	2036	2037	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	180	84	100	66	97	73	171	8933
50041	50406	2037	2038	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	431	411	355	323	347	200	180	84	100	66	97	73	171	8934
50406	50771	2038	2039	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	432	411	356	323	347	200	180	84	100	66	98	73	171	8935
50771	51136	2039	2040	1	30	35	86	175	189	360	377	455	367	305	496	313	572	322	370	595	501	543	432	411	356	323	347	200	180	84	100	66	98	73	171	8936
51136	51502	2040	2041	1	30	35	86	175	189	360	377	455	368	305	497	313	572	322	370	595	501	544	432	412	356	324	348	201	180	84	101	67	98	73	171	8941
51502	51867	2041	2042	1	30	35	86	176	189	360	377	455	368	305	497	313	572	322	370	595	501	544	432	412	356	324	348	201	180	85	101	67	98	73	171	8944
51867	52232	2042	2043	1	31	36	87	176	189	360	378	455	368	305	497	314	572	322	370	595	501	544	432	412	356	324	348	201	180	85	101	67	98	73	171	8947
52232	52597	2043	2044	1	31	36	87	176	189	360	378	456	368	305	497	314	572	322	370	595	501	544	432	412	356	324	348	201	180	85	101	67	98	73	171	8949
52597	52963	2044	2045	1	31	36	87	176	190	360	378	456	368	305	497	314	572	322	371	595	501	544	432	412	356	324	348	201	180	85	101	67	98	73	171	8951
52963	53328	2045	2046	1	31	36	87	176	190	361	378	456	368	305	497	314	572	322	371	595	501	544	432	412	356	324	348	201	180	85	102	67	98	73	171	8953
53328	53693	2046	2047	1	31	36	87	176	190	361	378	456	368	305	497	314	572	323	371	595	501	544	432	412	356	324	348	201	180	85	102	67	98	73	171	8954
53693	54058	2047	2048	1	31	36	87	176	190	361	378	456	368	305	497	314	572	323	371	596	501	544	432	412	356	324	348	201	181	85	102	67	98	73	171	8956
54058	54424	2048	2049	1	31	36	87	176	190	361	378	456	368	305	497	314	572	323	371	596	501	544	432	412	356	324	348	201	181	85	102	67	98	73	171	8957
54424	54789	2049	2050	1	31	36	87	176	190	361	378	456	368	305	497	314	572	323	371	596	501	544	432	412	356	324	348	201	181	85	102	67	98	73	171	8959
54789	55154	2050	2051	1	32	36	88	176	190	361	378	456	368	305	497	314	573	323	371	596	502	544	432	412	356	324	349	202	181	85	102	67	98	73	171	8964
55154	55519	2051	2052	1	32	37	88	177	190	361	378	456	368	305	498	314	573	323	371	596	502	544	432	412	357	324	349	202	181	85	102	67	99	73	172	8969
55519	55885	2052	2053	1	32	37	88	177	190	361	378	456	368	306	498	314	573	323	371	596	502	544	432	412	357	324	349	202	181	85	103	67	99	73	172	8973
55885	56250	2053	2054	1	32	37	88	177	190	362	379	457	369	306	498	314	573	323	371	596	502	544	432	412	357	324	349	202	181	86	103	67	99	73	172	8976
56250	56615	2054	2055	1	32	37	89	177	190	362	379	457	369	306	498	314	573	323	371	596	502	544	432	413	357	324	350	202	181	86	103	68	99	73	172	8979
56615	56980	2055	2056	1	33	37	89	177	191	362	379	457	369	306	498	314	573	323	371	596	502	545	432	413	357	324	350	203	182	86	103	68	99	73	172	8982
56980	57346	2056	2057	1	33	38	89	177	191	362	379	457	369	306	498	314	573	323	371	596	502	545	432	413	357	324	350	203	182	86	103	68	99	73	172	8985
57346	57711	2057	2058	1	33	38	89	178	191	362	379	457	369	306	498	314	573	323	371	596	502	545	432	413	357	325	350	203	182	86	103	68	99	73	172	8988
57711	58076	2058	2059	1	33	38	90	178	191	362	379	457	369	306	498	314	574	323	371	596	502	545	433	413	357	325	350	203	182	86	103	68	99	74	172	8991
58076	58441	2059	2060	1	33	38	90	178	191	363	379	457	369	306	499	314	574	323	371	596	502	545	433	413	357	325	350	203	182	86	103	68	99	74	172	8994
58441	58807	2060	2061	2	33	38	90	178	191	363	380	458	369	306	499	315	574	323	371	597	502	545	433	413	357	325	350	203	182	86	103	68	99	74	172	9000
58807	59172	2061	2062	2	34	39	91	178	192	363	380	458	370	306	499	315	574	323	371	597	503	545	433	413	358	325	351	203	182	86	104	68	99	74	172	9007
59172	59537	2062	2063	2	34	39	91	179	192	363	380	458	370	307	499	315	574	323	371	597	503	545	433	414	358	325	351	204	183	86	104	68	100	74	172	9013
59537	59902	2063	2064	2	34	39	91	179	192	364	380	458	370	307	500	315	575	324	372	597	503	546	433	414	358	325	351	204	183	87	104	68	100	74	172	9018
59902	60268	2064	2065	2	35	40	92	179	192	364	380	459	370	307	500	315	575	324	372	597	503	546	433	414	358	325	351	204	183	87	104	68	100	74	172	9024
60268	60633	2065	2066	2	35	40	92	179	192	364	381	459	370	307	500	315	575	324	372	597	503	546	434	414	358	325	351	204	183	87	104	68	100	74	172	9029
60633	60998	2066	2067	2	35	40	92	180	193	364	381	459	371	307	500	315	575	324	372	597	503	546	434	414	358	325	352	204	183	87	104	68	100	74	173	9034

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S2)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
60998	61363	2067	2068	2	35	40	93	180	193	365	381	459	371	307	500	315	575	324	372	598	503	546	434	414	358	325	352	204	183	87	105	69	100	74	173	9038
61363	61729	2068	2069	2	36	41	93	180	193	365	381	460	371	307	501	316	576	324	372	598	504	546	434	415	359	326	352	204	183	87	105	69	100	74	173	9043
61729	62094	2069	2070	2	36	41	93	180	193	365	382	460	371	307	501	316	576	324	372	598	504	546	434	415	359	326	352	205	183	87	105	69	100	74	173	9048
62094	62459	2070	2071	2	36	41	94	181	193	366	382	460	371	308	501	316	576	324	372	598	504	547	434	415	359	326	352	205	184	87	105	69	100	74	173	9057
62459	62824	2071	2072	2	37	42	94	181	194	366	382	461	372	308	502	316	576	324	372	598	504	547	435	416	359	326	353	205	184	87	105	69	100	74	173	9066
62824	63190	2072	2073	2	37	42	95	182	194	366	383	461	372	308	502	316	577	325	373	599	505	547	435	416	360	326	353	206	184	88	106	69	101	75	173	9075
63190	63555	2073	2074	3	37	42	95	182	194	367	383	461	372	308	502	316	577	325	373	599	505	548	435	416	360	326	353	206	185	88	106	69	101	75	173	9083
63555	63920	2074	2075	3	38	43	96	182	195	367	383	462	372	308	502	317	577	325	373	599	505	548	435	416	360	327	354	206	185	88	106	69	101	75	173	9091
63920	64285	2075	2076	3	38	43	96	183	195	368	384	462	373	309	503	317	578	325	373	599	505	548	436	417	360	327	354	206	185	88	106	69	101	75	173	9099
64285	64651	2076	2077	3	39	43	97	183	195	368	384	462	373	309	503	317	578	325	373	600	506	549	436	417	360	327	354	206	185	88	106	69	101	75	174	9106
64651	65016	2077	2078	3	39	44	97	183	196	369	384	463	373	309	503	317	578	325	374	600	506	549	436	417	361	327	354	207	185	88	106	69	101	75	174	9114
65016	65381	2078	2079	3	39	44	98	184	196	369	384	463	373	309	504	317	579	326	374	600	506	549	436	418	361	327	355	207	186	89	107	70	101	75	174	9121
65381	65746	2079	2080	3	40	44	98	184	196	369	385	463	374	309	504	317	579	326	374	600	506	549	437	418	361	327	355	207	186	89	107	70	101	75	174	9128
65746	66112	2080	2081	3	40	45	99	185	197	370	385	464	374	310	505	318	579	326	374	601	507	550	437	418	361	328	355	207	186	89	107	70	102	75	174	9140
66112	66477	2081	2082	3	41	45	99	185	197	370	386	464	374	310	505	318	580	326	374	601	507	550	438	419	362	328	356	208	187	89	107	70	102	75	174	9152
66477	66842	2082	2083	3	41	46	100	186	197	371	386	465	375	310	505	318	580	326	375	602	508	551	438	419	362	328	356	208	187	89	108	70	102	76	174	9164
66842	67207	2083	2084	4	42	46	101	186	198	371	386	465	375	311	506	319	581	327	375	602	508	551	438	420	363	329	357	209	187	90	108	70	102	76	174	9176
67207	67573	2084	2085	4	42	47	101	187	198	372	387	466	376	311	506	319	581	327	375	602	508	552	439	420	363	329	357	209	187	90	108	70	102	76	175	9187
67573	67938	2085	2086	4	43	47	102	187	199	372	387	466	376	311	507	319	582	327	376	603	509	552	439	421	363	329	358	209	188	90	108	70	103	76	175	9197
67938	68303	2086	2087	4	43	48	102	187	199	373	388	467	376	311	507	319	582	327	376	603	509	553	439	421	364	329	358	210	188	90	108	71	103	76	175	9208
68303	68668	2087	2088	4	43	48	103	188	199	373	388	467	377	312	508	320	583	328	376	604	510	553	440	422	364	330	358	210	188	90	109	71	103	76	175	9218
68668	69034	2088	2089	4	44	48	104	188	200	374	389	468	377	312	508	320	583	328	376	604	510	553	440	422	364	330	359	210	189	91	109	71	103	76	175	9227
69034	69399	2089	2090	4	44	49	104	189	200	374	389	468	377	312	508	320	583	328	377	604	510	554	440	422	364	330	359	210	189	91	109	71	103	76	175	9237
69399	69764	2090	2091	4	45	49	105	189	201	375	389	469	378	312	509	320	584	328	377	605	511	554	441	423	365	331	360	211	189	91	109	71	103	77	176	9251
69764	70129	2091	2092	4	45	50	106	190	201	376	390	469	378	313	510	321	585	329	377	605	511	555	442	424	366	331	360	211	190	91	110	71	104	77	176	9267
70129	70495	2092	2093	5	46	51	106	190	202	376	390	470	379	313	510	321	585	329	378	606	512	556	442	425	366	331	361	212	190	92	110	71	104	77	176	9282
70495	70860	2093	2094	5	46	51	107	191	202	377	391	470	379	313	511	322	586	329	378	607	513	556	443	425	367	332	362	212	191	92	110	71	104	77	176	9297
70860	71225	2094	2095	5	47	52	108	192	203	378	391	471	379	314	511	322	586	330	378	607	513	557	444	426	367	332	362	213	191	92	110	72	104	77	176	9310
71225	71590	2095	2096	5	47	52	108	192	203	378	392	472	380	314	512	322	587	330	379	608	514	558	444	427	368	333	363	213	191	92	111	72	104	77	177	9324
71590	71956	2096	2097	5	48	53	109	193	203	379	392	472	380	314	512	323	588	330	379	608	514	558	444	427	368	333	363	214	192	93	111	72	105	78	177	9337
71956	72321	2097	2098	5	48	53	110	193	204	379	393	473	381	315	513	323	588	331	379	609	515	559	445	428	368	333	364	214	192	93	111	72	105	78	177	9349
72321	72686	2098	2099	5	49	54	110	194	204	380	393	473	381	315	513	323	589	331	380	609	515	559	445	428	369	334	365	214	192	93	111	72	105	78	177	9361
72686	73051	2099	2100	5	49	54	111	194	205	381	394	474	382	315	514	323	589	331	380	610	515	560	446	429	369	334	365	215	193	93	112	72	105	78	177	9373
73051	73416	2100	2101	5	50	55	111	195	205	381	394	474	382	316	515	324	590	332	381	610	516	560	447	430	370	334	366	215	193	94	112	72	106	78	178	9390
73416	73781	2101	2102	5	50	56	112	195	206	382	395	475	383	316	515	324	591	332	381	611	517	561	447	431	371	335	367	216	194	94	112	73	106	79	178	9409
73781	74146	2102	2103	6	51	56	113	196	206	383	396	476	383	317	516	325	591	332	382	612	518	562	448	431	371	336	367	216	194	94	113	73	106	79	178	9426
74146	74511	2103	2104	6	51	57	114	197	207	383	396	476	384	317	517	325	592	333	382	612	518	563	449	432	372	336	368	217	195	94	113	73	106	79	179	9443
74511	74877	2104	2105	6	52	57	115	197	207	384	397	477	384	317	517	326	593	333	382	613	519	564	450	433	373	337	369	218	195	95	113	73	107	79	179	9460
74877	75242	2105	2106	6	53	58	115	198	208	385	397	478	385	318	518	326	593	333	383	614	520	564	450	434	373	337	370	218	196	95	114	73	107	80	179	9475
75242	75607	2106	2107	6	53	58	116	198	208	385	398	478	385	318	518	326	594	334	383	614	520	565	451	434	374	338	370	219	196	95	114	73	107	80	179	9491
75607	75972	2107	2108	6	54	59	116	199	209	386	398	479	386	318	519	327	595	334	384	615	521	566	451	435	374	338	371	219	197	96	114	74	107	80	180	9505
75972	76338	2108	2109	6	54	59	117	199	209	387	399	479	386	319	520	327	595	335	384	615	521	566	452	436	375	338	372	220	197	96	115	74	108	80	180	9520
76338	76703	2109	2110	6	55	60	118	200	210	387	399	480	386	319	520	327	596	335	385	616	522	567	452	436	375	339	372	220	197	96	115	74	108	80	180	9534
76703	77068	2110	2111	6	55	60	118	201	210	388	400	481	387	320	521	328	597	335	385	617	523	568	453	437	376	340	373	221	198	96	115	74	108	81	180	9553
77068	77433	2111	2112	7	56	61	119	201	211	389	400	481	388	320	522	328	597	336	386	618	524	569	454	439	377	340	374	221	199	97	116	74	109	81	181	9573
77433	77799	2112	2113	7	56	62	120	202	211	390	401	482	388	320	522	329	598	336	386	618	524	570	455	440	378	341	375	222	199	97	116	74	109	81	181	9592
77799	78164	2113	2114	7	57	62	121	203	212	390	402	483	389	321	523	329	599	337	387	619	525	571	456	441	378	341	376	223	200	97	116	75	109	81	181	9611

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S2)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
10959	14611	1930	1940	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
14611	18264	1940	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.1
18264	21916	1950	1960	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.2
21916	25569	1960	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
29221	30682	1980	1984	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.5
30682	32143	1984	1988	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.5
32143	32509	1988	1989	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.5
32509	32874	1989	1990	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.5
32874	33239	1990	1991	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.5
33239	33604	1991	1992	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
33604	33970	1992	1993	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
33970	34335	1993	1994	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
34335	34700	1994	1995	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
34700	35065	1995	1996	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
35065	35431	1996	1997	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
35431	35796	1997	1998	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
35796	36161	1998	1999	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
36161	36526	1999	2000	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.3	7.6	3.8	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.6
36526	36892	2000	2001	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.7
36892	37257	2001	2002	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.3	1.4	2.1	1.3	1.9	1.5	3.6	191.7
37257	37622	2002	2003	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.4	2.1	1.3	1.9	1.5	3.6	191.7
37622	37987	2003	2004	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.4	2.1	1.3	1.9	1.5	3.6	191.7
37987	38353	2004	2005	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.7
38353	38718	2005	2006	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.7
38718	39083	2006	2007	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.8
39083	39448	2007	2008	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.8
39448	39814	2008	2009	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.8
39814	40179	2009	2010	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.8
40179	40544	2010	2011	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.8
40544	40909	2011	2012	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.9
40909	41275	2012	2013	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.9
41275	41640	2013	2014	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.9
41640	42005	2014	2015	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	191.9
42005	42370	2015	2016	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.0
42370	42736	2016	2017	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.0
42736	43101	2017	2018	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.0
43101	43466	2018	2019	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.0
43466	43831	2019	2020	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.0
43831	44197	2020	2021	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.1
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

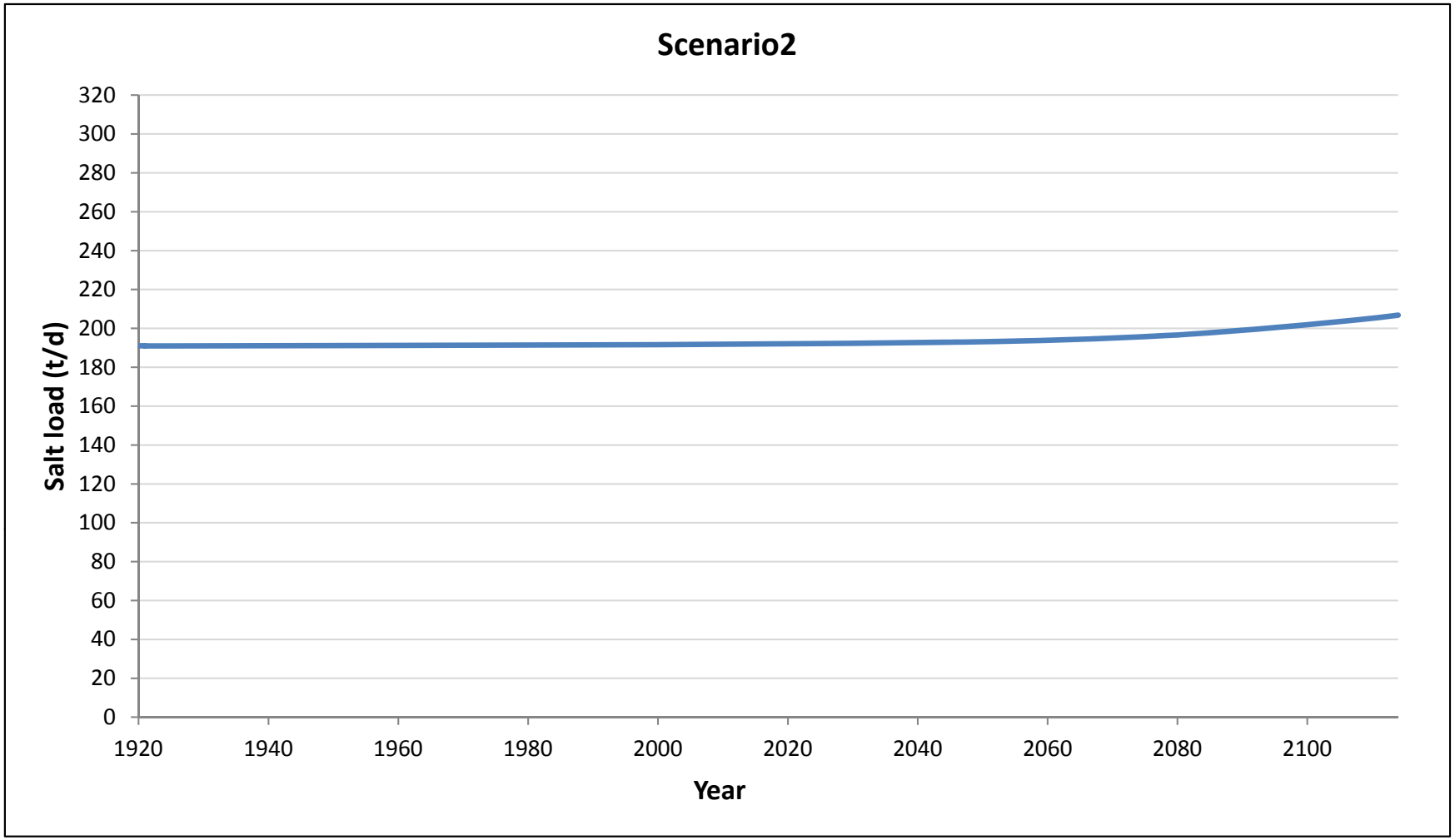
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S2)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44197	44562	2021	2022	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.1
44562	44927	2022	2023	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.2
44927	45292	2023	2024	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.2
45292	45658	2024	2025	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.2
45658	46023	2025	2026	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.2
46023	46388	2026	2027	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.2
46388	46753	2027	2028	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	1.9	1.5	3.6	192.2
46753	47119	2028	2029	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.2
47119	47484	2029	2030	0.0	0.5	0.6	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.3
47484	47849	2030	2031	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.2	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.3
47849	48214	2031	2032	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.4
48214	48580	2032	2033	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.5
48580	48945	2033	2034	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.5
48945	49310	2034	2035	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.5
49310	49675	2035	2036	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.5
49675	50041	2036	2037	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.6
50041	50406	2037	2038	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.6
50406	50771	2038	2039	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.6
50771	51136	2039	2040	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.1	1.3	2.0	1.5	3.6	192.6
51136	51502	2040	2041	0.0	0.5	0.7	1.7	3.4	3.8	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	192.7
51502	51867	2041	2042	0.0	0.5	0.7	1.8	3.4	3.8	8.8	8.7	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	192.8
51867	52232	2042	2043	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.7	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	192.8
52232	52597	2043	2044	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.7	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	192.9
52597	52963	2044	2045	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	192.9
52963	53328	2045	2046	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	192.9
53328	53693	2046	2047	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	193.0
53693	54058	2047	2048	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.5	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	193.0
54058	54424	2048	2049	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	193.0
54424	54789	2049	2050	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.7	3.9	3.4	1.5	2.2	1.3	2.0	1.5	3.6	193.1
54789	55154	2050	2051	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.5	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.7	4.0	3.4	1.5	2.2	1.4	2.0	1.5	3.6	193.2
55154	55519	2051	2052	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.5	3.6	193.3
55519	55885	2052	2053	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.5	3.6	193.4
55885	56250	2053	2054	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.5	3.6	193.4
56250	56615	2054	2055	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.5	3.6	193.5
56615	56980	2055	2056	0.0	0.5	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.3	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.5	3.6	193.6
56980	57346	2056	2057	0.0	0.6	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.1	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	193.6
57346	57711	2057	2058	0.0	0.6	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	193.7
57711	58076	2058	2059	0.0	0.6	0.7	1.8	3.5	3.8	8.8	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	193.7
58076	58441	2059	2060	0.0	0.6	0.7	1.8	3.5	3.8	8.9	8.8	10.6	8.1	6.6	9.1	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	193.8
58441	58807	2060	2061	0.0	0.6	0.7	1.8	3.5	3.8	8.9	8.8	10.6	8.2	6.6	9.1	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	193.9
58807	59172	2061	2062	0.0	0.6	0.7	1.8	3.5	3.8	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	194.1
59172	59537	2062	2063	0.0	0.6	0.7	1.8	3.5	3.8	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.4	1.5	2.2	1.4	2.0	1.6	3.6	194.2
59537	59902	2063	2064	0.0	0.6	0.7	1.9	3.5	3.8	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.6	194.3
59902	60268	2064	2065	0.0	0.6	0.7	1.9	3.5	3.8	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.6	194.4
60268	60633	2065	2066	0.0	0.6	0.7	1.9	3.5	3.8	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	7.9	13.5	11.3	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.7	194.5
60633	60998	2066	2067	0.0	0.6	0.8	1.9	3.5	3.9	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	7.9	13.5	11.4	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.7	194.6
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S2)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
60998	61363	2067	2068	0.0	0.6	0.8	1.9	3.5	3.9	8.9	8.8	10.6	8.2	6.6	9.2	6.2	12.5	7.4	8.0	13.5	11.4	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.7	194.7
61363	61729	2068	2069	0.0	0.6	0.8	1.9	3.5	3.9	8.9	8.8	10.7	8.2	6.6	9.2	6.2	12.5	7.4	8.0	13.5	11.4	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.7	194.8
61729	62094	2069	2070	0.0	0.6	0.8	1.9	3.5	3.9	8.9	8.8	10.7	8.2	6.6	9.2	6.2	12.5	7.4	8.0	13.5	11.4	11.6	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.7	194.9
62094	62459	2070	2071	0.0	0.6	0.8	1.9	3.6	3.9	8.9	8.8	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.5	11.4	11.7	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.2	1.4	2.0	1.6	3.7	195.1
62459	62824	2071	2072	0.0	0.6	0.8	1.9	3.6	3.9	8.9	8.9	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.5	11.4	11.7	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.3	1.4	2.0	1.6	3.7	195.3
62824	63190	2072	2073	0.0	0.6	0.8	1.9	3.6	3.9	8.9	8.9	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.5	11.4	11.7	9.3	8.6	8.2	7.4	7.8	4.0	3.5	1.5	2.3	1.4	2.0	1.6	3.7	195.5
63190	63555	2073	2074	0.0	0.6	0.8	1.9	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.5	11.4	11.7	9.3	8.6	8.2	7.5	7.8	4.0	3.5	1.5	2.3	1.4	2.0	1.6	3.7	195.7
63555	63920	2074	2075	0.0	0.6	0.8	1.9	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.6	11.4	11.7	9.3	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.0	1.6	3.7	195.8
63920	64285	2075	2076	0.0	0.6	0.8	2.0	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.6	11.4	11.7	9.3	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.0	1.6	3.7	196.0
64285	64651	2076	2077	0.0	0.7	0.8	2.0	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.2	12.6	7.4	8.0	13.6	11.4	11.7	9.3	8.7	8.2	7.5	7.9	4.0	3.5	1.6	2.3	1.4	2.0	1.6	3.7	196.2
64651	65016	2077	2078	0.0	0.7	0.8	2.0	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.3	12.6	7.4	8.0	13.6	11.4	11.7	9.4	8.7	8.2	7.5	7.9	4.0	3.5	1.6	2.3	1.4	2.0	1.6	3.7	196.3
65016	65381	2078	2079	0.1	0.7	0.8	2.0	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.3	12.6	7.4	8.0	13.6	11.4	11.7	9.4	8.7	8.2	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.0	1.6	3.7	196.5
65381	65746	2079	2080	0.1	0.7	0.8	2.0	3.6	3.9	9.0	8.9	10.7	8.2	6.6	9.2	6.3	12.6	7.4	8.0	13.6	11.4	11.7	9.4	8.7	8.2	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.0	1.6	3.7	196.6
65746	66112	2080	2081	0.1	0.7	0.8	2.0	3.6	3.9	9.0	8.9	10.7	8.3	6.6	9.3	6.3	12.6	7.4	8.0	13.6	11.4	11.7	9.4	8.7	8.2	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.0	1.6	3.7	196.9
66112	66477	2081	2082	0.1	0.7	0.9	2.0	3.6	3.9	9.0	8.9	10.8	8.3	6.6	9.3	6.3	12.6	7.4	8.0	13.6	11.4	11.7	9.4	8.7	8.3	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.1	1.6	3.7	197.1
66477	66842	2082	2083	0.1	0.7	0.9	2.0	3.6	3.9	9.1	8.9	10.8	8.3	6.7	9.3	6.3	12.6	7.4	8.0	13.6	11.4	11.7	9.4	8.7	8.3	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.1	1.6	3.7	197.4
66842	67207	2083	2084	0.1	0.7	0.9	2.0	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.4	8.0	13.6	11.5	11.7	9.4	8.7	8.3	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.1	1.6	3.7	197.6
67207	67573	2084	2085	0.1	0.7	0.9	2.1	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.4	8.0	13.6	11.5	11.8	9.4	8.7	8.3	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.1	1.6	3.7	197.8
67573	67938	2085	2086	0.1	0.7	0.9	2.1	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.4	8.0	13.6	11.5	11.8	9.4	8.7	8.3	7.5	7.9	4.1	3.5	1.6	2.3	1.4	2.1	1.6	3.7	198.1
67938	68303	2086	2087	0.1	0.7	0.9	2.1	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.5	8.0	13.6	11.5	11.8	9.4	8.7	8.3	7.5	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	198.3
68303	68668	2087	2088	0.1	0.7	0.9	2.1	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.5	8.0	13.7	11.5	11.8	9.4	8.8	8.3	7.5	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	198.5
68668	69034	2088	2089	0.1	0.7	0.9	2.1	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.5	8.0	13.7	11.5	11.8	9.4	8.8	8.3	7.5	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	198.7
69034	69399	2089	2090	0.1	0.7	0.9	2.1	3.7	4.0	9.1	9.0	10.8	8.3	6.7	9.3	6.3	12.7	7.5	8.1	13.7	11.5	11.8	9.4	8.8	8.3	7.5	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	198.9
69399	69764	2090	2091	0.1	0.8	0.9	2.1	3.7	4.0	9.2	9.0	10.9	8.3	6.7	9.3	6.3	12.7	7.5	8.1	13.7	11.5	11.8	9.5	8.8	8.3	7.5	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	199.2
69764	70129	2091	2092	0.1	0.8	0.9	2.1	3.7	4.0	9.2	9.0	10.9	8.3	6.7	9.3	6.3	12.7	7.5	8.1	13.7	11.5	11.8	9.5	8.8	8.3	7.6	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	199.5
70129	70495	2092	2093	0.1	0.8	1.0	2.2	3.7	4.0	9.2	9.0	10.9	8.4	6.7	9.4	6.3	12.8	7.5	8.1	13.7	11.5	11.8	9.5	8.8	8.4	7.6	8.0	4.1	3.6	1.6	2.3	1.4	2.1	1.6	3.7	199.8
70495	70860	2093	2094	0.1	0.8	1.0	2.2	3.8	4.0	9.2	9.1	10.9	8.4	6.7	9.4	6.3	12.8	7.5	8.1	13.7	11.6	11.9	9.5	8.8	8.4	7.6	8.0	4.2	3.6	1.6	2.4	1.4	2.1	1.6	3.7	200.1
70860	71225	2094	2095	0.1	0.8	1.0	2.2	3.8	4.0	9.2	9.1	10.9	8.4	6.7	9.4	6.3	12.8	7.5	8.1	13.7	11.6	11.9	9.5	8.8	8.4	7.6	8.0	4.2	3.6	1.6	2.4	1.4	2.1	1.6	3.7	200.4
71225	71590	2095	2096	0.1	0.8	1.0	2.2	3.8	4.1	9.2	9.1	10.9	8.4	6.7	9.4	6.4	12.8	7.5	8.1	13.7	11.6	11.9	9.5	8.9	8.4	7.6	8.1	4.2	3.6	1.6	2.4	1.4	2.1	1.6	3.7	200.7
71590	71956	2096	2097	0.1	0.8	1.0	2.2	3.8	4.1	9.2	9.1	10.9	8.4	6.7	9.4	6.4	12.8	7.5	8.1	13.8	11.6	11.9	9.5	8.9	8.4	7.6	8.1	4.2	3.6	1.6	2.4	1.4	2.1	1.6	3.7	201.0
71956	72321	2097	2098	0.1	0.8	1.0	2.2	3.8	4.1	9.3	9.1	11.0	8.4	6.7	9.4	6.4	12.8	7.5	8.1	13.8	11.6	11.9	9.5	8.9	8.4	7.6	8.1	4.2	3.6	1.6	2.4	1.4	2.1	1.6	3.7	201.3
72321	72686	2098	2099	0.1	0.8	1.0	2.2	3.8	4.1	9.3	9.1	11.0	8.4	6.8	9.4	6.4	12.8	7.5	8.1	13.8	11.6	11.9	9.6	8.9	8.4	7.6	8.1	4.2	3.6	1.6	2.4	1.5	2.1	1.6	3.8	201.5
72686	73051	2099	2100	0.1	0.8	1.0	2.2	3.8	4.1	9.3	9.1	11.0	8.4	6.8	9.4	6.4	12.8	7.5	8.1	13.8	11.6	11.9	9.6	8.9	8.4	7.6	8.1	4.2	3.6	1.6	2.4	1.5	2.1	1.6	3.8	201.8
73051	73416	2100	2101	0.1	0.8	1.0	2.3	3.8	4.1	9.3	9.1	11.0	8.4	6.8	9.4	6.4	12.9	7.5	8.1	13.8	11.6	11.9	9.6	8.9	8.4	7.6	8.1	4.2	3.7	1.6	2.4	1.5	2.1	1.7	3.8	202.1
73416	73781	2101	2102	0.1	0.8	1.0	2.3	3.8	4.1	9.3	9.2	11.0	8.4	6.8	9.4	6.4	12.9	7.6	8.1	13.8	11.7	12.0	9.6	8.9	8.5	7.6	8.1	4.2	3.7	1.6	2.4	1.5	2.1	1.7	3.8	202.5
73781	74146	2102	2103	0.1	0.9	1.1	2.3	3.9	4.1	9.3	9.2	11.0	8.5	6.8	9.5	6.4	12.9	7.6	8.2	13.8	11.7	12.0	9.6	9.0	8.5	7.7	8.2	4.2	3.7	1.7	2.4	1.5	2.1	1.7	3.8	202.9
74146	74511	2103	2104	0.1	0.9	1.1	2.3	3.9	4.1	9.4	9.2	11.0	8.5	6.8	9.5	6.4	12.9	7.6	8.2	13.9	11.7	12.0	9.6	9.0	8.5	7.7	8.2	4.3	3.7	1.7	2.4	1.5	2.1	1.7	3.8	203.2
74511	74877	2104	2105	0.1	0.9	1.1	2.3	3.9	4.1	9.4	9.2	11.1	8.5	6.8	9.5	6.4	12.9	7.6	8.2	13.9	11.7	12.0	9.6	9.0	8.5	7.7	8.2	4.3	3.7	1.7	2.4	1.5	2.1	1.7	3.8	203.6
74877	75242	2105	2106	0.1	0.9	1.1	2.3	3.9	4.2	9.4	9.2	11.1	8.5	6.8	9.5	6.4	12.9	7.6	8.2	13.9	11.7	12.0	9.7	9.0	8.5	7.7	8.2	4.3	3.7	1.7	2.4	1.5	2.2	1.7	3.8	203.9
75242	75607	2106	2107	0.1	0.9	1.1	2.3	3.9	4.2	9.4	9.2	11.1	8.5	6.8	9.5	6.4	12.9	7.6	8.2	13.9	11.7	12.0	9.7	9.0	8.5	7.7	8.2	4.3	3.7	1.7	2.4	1.5	2.2	1.7	3.8	204.2
75607	75972	2107	2108	0.1	0.9	1.1	2.4	3.9	4.2	9.4	9.2	11.1	8.5	6.8	9.5	6.4	13.0	7.6	8.2	13.9	11.7	12.1	9.7	9.0	8.5	7.7	8.2	4.3	3.7	1.7	2.4	1.5	2.2	1.7	3.8	204.5
75972	76338	2108	2109	0.1	0.9	1.1	2.4	3.9	4.2	9.4	9.2	11.1	8.5	6.8	9.5	6.4	13.0	7.6	8.2	13.9	11.8	12.1	9.7	9.0	8.6	7.7	8.3	4.3	3.7	1.7	2.4	1.5	2.2	1.7	3.8	204.9
76338	76703	2109	2110	0.1	0.9	1.1	2.4	3.9	4.2	9.5	9.3	11.1	8.5	6.8	9.5	6.5	13.0	7.6	8.2	13.9	11.8	12.1	9.7	9.1	8.6	7.7	8.3	4.3	3.7	1.7	2.5	1.5	2.2	1.7	3.8	205.1
76703	77068	2110	2111	0.1	0.9	1.1	2.4	3.9	4.2	9.5	9.3	11.1	8.5	6.9	9.6	6.5	13.0	7.6	8.2	14.0	11.8	12.1	9.7	9.1	8.6	7.8	8.3	4.3	3.7	1.7	2.5	1.5	2.2	1.7	3.8	205.5
77068	77433	2111	2112	0.1	0.9	1.1	2.4	4.0	4.2	9.5	9.3	11.2	8.6	6.9	9.6	6.5	13.0	7.6	8.2	14.0	11.8	12.1	9.7	9.1	8.6	7.8	8.3	4.3	3.8	1.7	2.5	1.5	2.2	1.7	3.8	206.0
77433	77799	2112	2113	0.1	1.0	1.2	2.4	4.0	4.2	9.5	9.3	11.2	8.6	6.9	9.6	6.5	13.0	7.7	8.3	14.0	11.8	12.1	9.8	9.1	8.6	7.8	8.3	4.3	3.8	1.7	2.5	1.5	2.2	1.7	3.8	206.4
77799	78164	2113	2114	0.1	1.0	1.2	2.4	4.0	4.2	9.5	9.3	11.2	8.6	6.9	9.6	6.5	13.1	7.7	8.3	14.0	11.8	12.2	9.8	9.1	8.6	7.8	8.4	4.4	3.8	1.7	2.5	1.5	2.2	1.7	3.8	206.8
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S2)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	195	176	81	94	63	93	70	169	8878
30682	32143	1984	1988	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	195	176	81	94	63	93	70	169	8879
32143	32509	1988	1989	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	323	344	195	176	81	94	63	93	70	169	8879
32509	32874	1989	1990	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	323	344	195	176	81	94	63	93	70	169	8879
32874	33239	1990	1991	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	324	344	197	180	85	103	64	93	70	169	8899
33239	33604	1991	1992	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	324	344	198	182	86	106	64	93	70	169	8907
33604	33970	1992	1993	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	324	344	199	183	86	107	65	94	70	169	8910
33970	34335	1993	1994	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	324	344	199	183	86	107	65	94	70	169	8911
34335	34700	1994	1995	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	324	344	199	183	86	107	65	94	70	169	8912
34700	35065	1995	1996	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	359	326	354	201	183	86	107	65	96	73	170	8935
35065	35431	1996	1997	1	31	39	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	412	360	328	357	202	184	86	108	66	98	75	171	8948
35431	35796	1997	1998	3	36	41	85	175	194	361	376	453	365	303	494	313	569	321	370	593	499	542	431	412	361	328	358	203	184	87	108	66	99	77	171	8977
35796	36161	1998	1999	4	40	44	87	177	197	363	376	453	365	303	494	313	569	321	370	593	499	542	431	412	361	329	359	203	184	87	108	66	100	77	171	8997
36161	36526	1999	2000	5	42	46	88	177	198	364	376	453	365	303	494	313	569	321	370	593	499	542	431	412	361	329	359	203	184	87	108	66	101	78	171	9009
36526	36892	2000	2001	5	43	47	89	178	198	365	376	453	365	303	494	313	569	321	370	593	499	542	431	413	361	329	360	204	184	87	108	67	102	78	171	9019
36892	37257	2001	2002	6	44	48	90	178	199	365	377	453	365	303	494	313	569	321	370	593	499	542	431	413	362	329	360	204	184	87	109	67	103	79	171	9027
37257	37622	2002	2003	6	45	48	91	180	203	373	378	453	365	303	494	313	569	321	370	593	499	542	431	413	362	329	360	204	185	87	109	67	104	79	172	9048
37622	37987	2003	2004	6	45	49	92	182	207	378	380	454	365	303	494	313	569	321	370	593	499	542	431	413	362	329	360	204	185	87	109	68	105	80	172	9064
37987	38353	2004	2005	6	46	49	93	183	209	381	381	454	365	303	494	313	569	321	370	593	499	542	431	413	362	329	360	204	185	87	109	68	105	80	172	9074
38353	38718	2005	2006	6	46	49	93	184	210	382	382	455	366	303	494	313	569	321	370	593	499	542	431	413	362	329	360	204	185	87	109	68	106	80	172	9082
38718	39083	2006	2007	6	46	49	94	184	211	383	382	455	366	303	494	313	569	321	370	593	499	542	431	413	362	329	360	204	185	87	109	68	106	80	172	9087
39083	39448	2007	2008	6	46	50	94	185	211	385	386	458	366	303	494	313	569	321	370	594	501	547	433	413	362	329	360	204	185	87	110	68	106	80	172	9108
39448	39814	2008	2009	6	46	50	95	185	212	387	389	460	367	303	494	313	569	321	370	594	503	550	435	414	362	329	360	204	185	87	110	68	106	80	172	9128
39814	40179	2009	2010	6	46	50	95	186	212	388	391	462	368	303	495	313	570	322	370	594	504	553	436	415	362	329	360	204	185	87	110	68	106	80	172	9143
40179	40544	2010	2011	6	47	50	95	186	213	390	393	463	368	304	495	313	570	322	370	595	505	554	437	415	362	329	360	204	185	87	110	69	106	80	172	9153
40544	40909	2011	2012	6	47	50	95	186	213	390	394	464	369	304	495	313	570	322	370	595	505	555	438	415	362	329	360	204	185	87	110	69	106	80	172	9162
40909	41275	2012	2013	6	47	50	96	187	214	391	394	465	369	304	495	313	570	322	370	595	507	562	454	422	363	329	360	204	185	87	110	69	106	81	172	9199
41275	41640	2013	2014	6	47	50	96	187	214	392	395	466	369	304	495	313	570	322	370	595	508	568	463	427	364	329	361	204	185	87	110	69	106	81	172	9225
41640	42005	2014	2015	6	47	51	96	187	214	392	395	466	370	304	495	313	570	322	370	596	509	571	467	430	365	330	361	204	185	87	110	69	106	81	172	9241
42005	42370	2015	2016	6	47	51	96	187	215	395	396	467	370	305	495	313	571	322	372	600	511	573	469	432	365	330	361	204	185	87	110	69	106	81	172	9263
42370	42736	2016	2017	6	47	51	96	188	216	397	397	467	370	305	496	313	571	323	373	603	512	575	471	433	366	330	361	204	185	87	110	69	107	81	172	9280
42736	43101	2017	2018	6	47	51	97	188	216	397	398	467	370	305	496	313	571	323	374	605	514	576	472	434	366	330	361	205	185	87	110	69	107	81	172	9292
43101	43466	2018	2019	6	47	51	97	188	216	398	398	468	371	305	496	313	572	324	375	607	515	577	473	435	367	330	361	205	185	87	110	69	107	81	172	9302
43466	43831	2019	2020	7	47	51	97	188	216	398	398	468	371	305	496	313	572	324	375	607	515	578	473	436	367	330	361	205	185	87	110	69	107	81	172	9309
43831	44197	2020	2021	7	47	51	97	188	217	399	398	468	371	305	496	313	572	324	376	608	516	578	474	436	367	331	362	205	185	87	110	69	107	81	172	9316
44197	44562	2021	2022	7	47	51	97	188	217	399	399	468	371	305	496	313	572	324	376	609	516	579	474	437	368	331	362	205	185	87	110	69	107	81	172	9321
44562	44927	2022	2023	7	47	51	97	189	217	399	399	468	371	305	496	313	573	324	376	609	517	579	475	437	368	331	362	205	185	87	110	69	107	81	172	9326

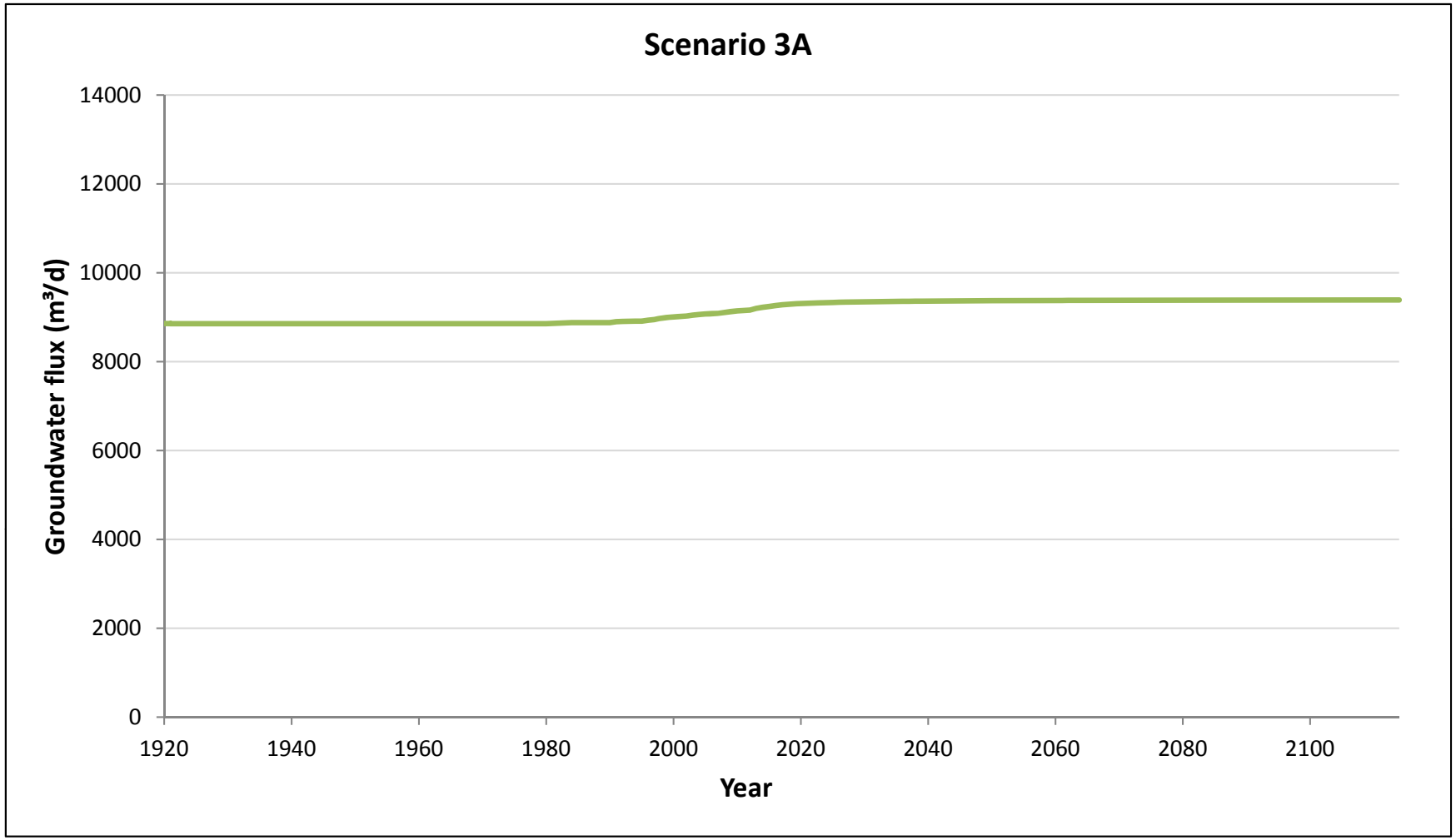
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	7	47	51	97	189	217	399	399	469	371	306	496	314	573	325	376	609	517	580	475	437	368	331	362	205	185	87	110	69	107	81	172	9330
45292	45658	2024	2025	7	47	51	97	189	217	399	399	469	371	306	497	314	573	325	377	610	517	580	475	438	368	331	362	205	185	87	110	69	107	81	172	9333
45658	46023	2025	2026	7	48	51	97	189	217	399	399	469	372	306	497	314	573	325	377	610	518	580	476	438	368	331	362	205	185	87	110	69	107	81	172	9337
46023	46388	2026	2027	7	48	51	97	189	217	400	399	469	372	306	497	314	573	325	377	610	518	581	476	438	369	331	362	205	186	87	110	69	107	81	172	9340
46388	46753	2027	2028	7	48	51	98	189	217	400	399	469	372	306	497	314	574	325	377	610	518	581	476	438	369	331	362	205	186	87	110	69	107	81	172	9343
46753	47119	2028	2029	7	48	51	98	189	217	400	399	469	372	306	497	314	574	325	377	610	518	581	476	438	369	331	362	205	186	87	110	69	107	81	172	9345
47119	47484	2029	2030	7	48	51	98	189	217	400	400	469	372	306	497	314	574	325	377	611	518	581	476	439	369	331	363	205	186	87	110	69	107	81	172	9347
47484	47849	2030	2031	7	48	52	98	189	217	400	400	469	372	306	497	314	574	325	377	611	519	581	477	439	369	331	363	205	186	87	110	69	107	81	172	9349
47849	48214	2031	2032	7	48	52	98	189	218	400	400	469	372	306	497	314	574	325	377	611	519	581	477	439	369	331	363	205	186	87	110	69	107	81	172	9351
48214	48580	2032	2033	7	48	52	98	189	218	400	400	470	372	306	497	314	574	325	377	611	519	582	477	439	369	331	363	205	186	87	110	69	107	81	172	9353
48580	48945	2033	2034	7	48	52	98	189	218	400	400	470	372	306	497	314	574	325	377	611	519	582	477	439	369	332	363	206	186	88	110	69	107	81	172	9355
48945	49310	2034	2035	7	48	52	98	189	218	400	400	470	372	306	497	314	574	325	377	611	519	582	477	439	369	332	363	206	186	88	110	69	107	81	172	9357
49310	49675	2035	2036	7	48	52	98	189	218	400	400	470	372	306	497	314	574	326	377	611	519	582	477	439	369	332	363	206	186	88	110	69	107	81	172	9358
49675	50041	2036	2037	7	48	52	98	189	218	400	400	470	372	306	497	314	574	326	377	611	519	582	477	439	370	332	363	206	186	88	110	69	107	81	172	9359
50041	50406	2037	2038	7	48	52	98	189	218	400	400	470	372	306	497	314	575	326	377	611	519	582	477	439	370	332	363	206	186	88	110	69	107	81	172	9361
50406	50771	2038	2039	7	48	52	98	190	218	401	400	470	372	306	498	314	575	326	378	611	519	582	477	440	370	332	363	206	186	88	110	69	107	81	172	9362
50771	51136	2039	2040	7	48	52	98	190	218	401	400	470	372	307	498	314	575	326	378	612	519	582	477	440	370	332	363	206	186	88	110	69	107	81	172	9363
51136	51502	2040	2041	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	519	582	477	440	370	332	363	206	186	88	110	69	107	81	172	9364
51502	51867	2041	2042	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	582	478	440	370	332	363	206	186	88	110	69	107	81	172	9365
51867	52232	2042	2043	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9366
52232	52597	2043	2044	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9367
52597	52963	2044	2045	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9368
52963	53328	2045	2046	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9369
53328	53693	2046	2047	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9370
53693	54058	2047	2048	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9371
54058	54424	2048	2049	7	48	52	98	190	218	401	400	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9372
54424	54789	2049	2050	7	48	52	98	190	218	401	401	470	373	307	498	314	575	326	378	612	520	583	478	440	370	332	363	206	186	88	110	69	107	81	172	9372
54789	55154	2050	2051	7	48	52	98	190	218	401	401	471	373	307	498	314	575	326	378	612	520	583	478	440	370	332	364	206	186	88	110	69	107	81	172	9373
55154	55519	2051	2052	7	48	52	98	190	218	401	401	471	373	307	498	314	575	326	378	612	520	583	478	440	370	332	364	206	186	88	110	69	107	81	172	9374
55519	55885	2052	2053	7	48	52	98	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	440	370	332	364	206	186	88	110	69	107	81	172	9374
55885	56250	2053	2054	7	48	52	98	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	440	370	332	364	206	186	88	110	69	107	81	172	9375
56250	56615	2054	2055	7	48	52	98	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	440	370	332	364	206	186	88	110	69	107	81	172	9375
56615	56980	2055	2056	7	48	52	99	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	440	370	332	364	206	186	88	110	69	107	81	172	9376
56980	57346	2056	2057	7	48	52	99	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9377
57346	57711	2057	2058	7	48	52	99	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9377
57711	58076	2058	2059	7	48	52	99	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9378
58076	58441	2059	2060	7	48	52	99	190	218	401	401	471	373	307	498	315	575	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9378
58441	58807	2060	2061	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9379
58807	59172	2061	2062	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9379
59172	59537	2062	2063	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9379
59537	59902	2063	2064	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9380
59902	60268	2064	2065	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9380
60268	60633	2065	2066	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9381
60633	60998	2066	2067	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9381
60998	61363	2067	2068	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9381
61363	61729	2068	2069	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9382

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	186	88	110	69	107	81	172	9382
62094	62459	2070	2071	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	583	478	441	370	332	364	206	187	88	110	69	107	81	172	9382
62459	62824	2071	2072	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	584	478	441	371	332	364	206	187	88	110	69	107	81	172	9383
62824	63190	2072	2073	7	48	52	99	190	218	401	401	471	373	307	498	315	576	326	378	612	520	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9383
63190	63555	2073	2074	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	520	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9383
63555	63920	2074	2075	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9384
63920	64285	2075	2076	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9384
64285	64651	2076	2077	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9384
64651	65016	2077	2078	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9384
65016	65381	2078	2079	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9384
65381	65746	2079	2080	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	612	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9384
65746	66112	2080	2081	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9385
66112	66477	2081	2082	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9385
66477	66842	2082	2083	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9385
66842	67207	2083	2084	7	48	52	99	190	219	402	401	471	373	307	498	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9385
67207	67573	2084	2085	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9385
67573	67938	2085	2086	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9385
67938	68303	2086	2087	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9386
68303	68668	2087	2088	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9386
68668	69034	2088	2089	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9386
69034	69399	2089	2090	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9386
69399	69764	2090	2091	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9386
69764	70129	2091	2092	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9386
70129	70495	2092	2093	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
70495	70860	2093	2094	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
70860	71225	2094	2095	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
71225	71590	2095	2096	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
71590	71956	2096	2097	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
71956	72321	2097	2098	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
72321	72686	2098	2099	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
72686	73051	2099	2100	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
73051	73416	2100	2101	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
73416	73781	2101	2102	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
73781	74146	2102	2103	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9387
74146	74511	2103	2104	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
74511	74877	2104	2105	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
74877	75242	2105	2106	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
75242	75607	2106	2107	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
75607	75972	2107	2108	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
75972	76338	2108	2109	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
76338	76703	2109	2110	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
76703	77068	2110	2111	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
77068	77433	2111	2112	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
77433	77799	2112	2113	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388
77799	78164	2113	2114	7	48	52	99	190	219	402	401	471	373	307	499	315	576	326	378	613	521	584	479	441	371	332	364	206	187	88	110	69	107	81	172	9388

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3A)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S3A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33239	33604	1991	1992	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.9	3.4	1.5	2.3	1.3	1.9	1.5	3.6	192.0
33604	33970	1992	1993	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.9	3.5	1.5	2.3	1.3	1.9	1.5	3.6	192.0
33970	34335	1993	1994	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.9	3.5	1.5	2.3	1.3	1.9	1.5	3.6	192.0
34335	34700	1994	1995	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.6	3.9	3.5	1.5	2.3	1.3	1.9	1.5	3.6	192.1
34700	35065	1995	1996	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.9	3.9	3.5	1.5	2.3	1.3	1.9	1.5	3.6	192.6
35065	35431	1996	1997	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	192.8
35431	35796	1997	1998	0.0	0.6	0.8	1.7	3.4	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	8.0	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	193.4
35796	36161	1998	1999	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	8.0	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	193.8
36161	36526	1999	2000	0.1	0.7	0.9	1.8	3.5	4.0	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	8.0	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	194.1
36526	36892	2000	2001	0.1	0.7	0.9	1.8	3.5	4.0	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	194.2
36892	37257	2001	2002	0.1	0.7	0.9	1.8	3.5	4.0	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.3	2.1	1.7	3.6	194.4
37257	37622	2002	2003	0.1	0.8	0.9	1.8	3.5	4.1	9.1	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	194.9
37622	37987	2003	2004	0.1	0.8	0.9	1.9	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.2
37987	38353	2004	2005	0.1	0.8	0.9	1.9	3.6	4.2	9.3	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.4
38353	38718	2005	2006	0.1	0.8	0.9	1.9	3.6	4.2	9.3	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.6
38718	39083	2006	2007	0.1	0.8	0.9	1.9	3.6	4.2	9.4	8.9	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.7
39083	39448	2007	2008	0.1	0.8	0.9	1.9	3.6	4.2	9.4	8.9	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	196.2
39448	39814	2008	2009	0.1	0.8	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.7	9.3	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	196.6
39814	40179	2009	2010	0.1	0.8	0.9	1.9	3.6	4.2	9.5	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.4	11.8	9.4	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	196.9
40179	40544	2010	2011	0.1	0.8	0.9	1.9	3.7	4.3	9.5	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.4	11.8	9.4	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	197.2
40544	40909	2011	2012	0.1	0.8	0.9	1.9	3.7	4.3	9.5	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.6	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	197.4
40909	41275	2012	2013	0.1	0.8	0.9	1.9	3.7	4.3	9.6	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	12.0	9.7	8.8	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.2
41275	41640	2013	2014	0.1	0.8	1.0	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.1	9.9	8.9	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.7
41640	42005	2014	2015	0.1	0.8	1.0	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.2	10.0	8.9	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.1
42005	42370	2015	2016	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.8	8.2	6.5	9.1	6.2	12.4	7.3	7.9	13.6	11.5	12.2	10.1	9.0	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.6
42370	42736	2016	2017	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.8	8.2	6.5	9.1	6.2	12.4	7.3	8.0	13.6	11.6	12.2	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.9
42736	43101	2017	2018	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.8	8.2	6.5	9.1	6.2	12.4	7.4	8.0	13.7	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
43101	43466	2018	2019	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.4
43466	43831	2019	2020	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.3	10.2	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.6
43831	44197	2020	2021	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.2	9.1	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.7
44197	44562	2021	2022	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.9	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.2	9.1	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.8
44562	44927	2022	2023	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.2	9.1	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.9
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

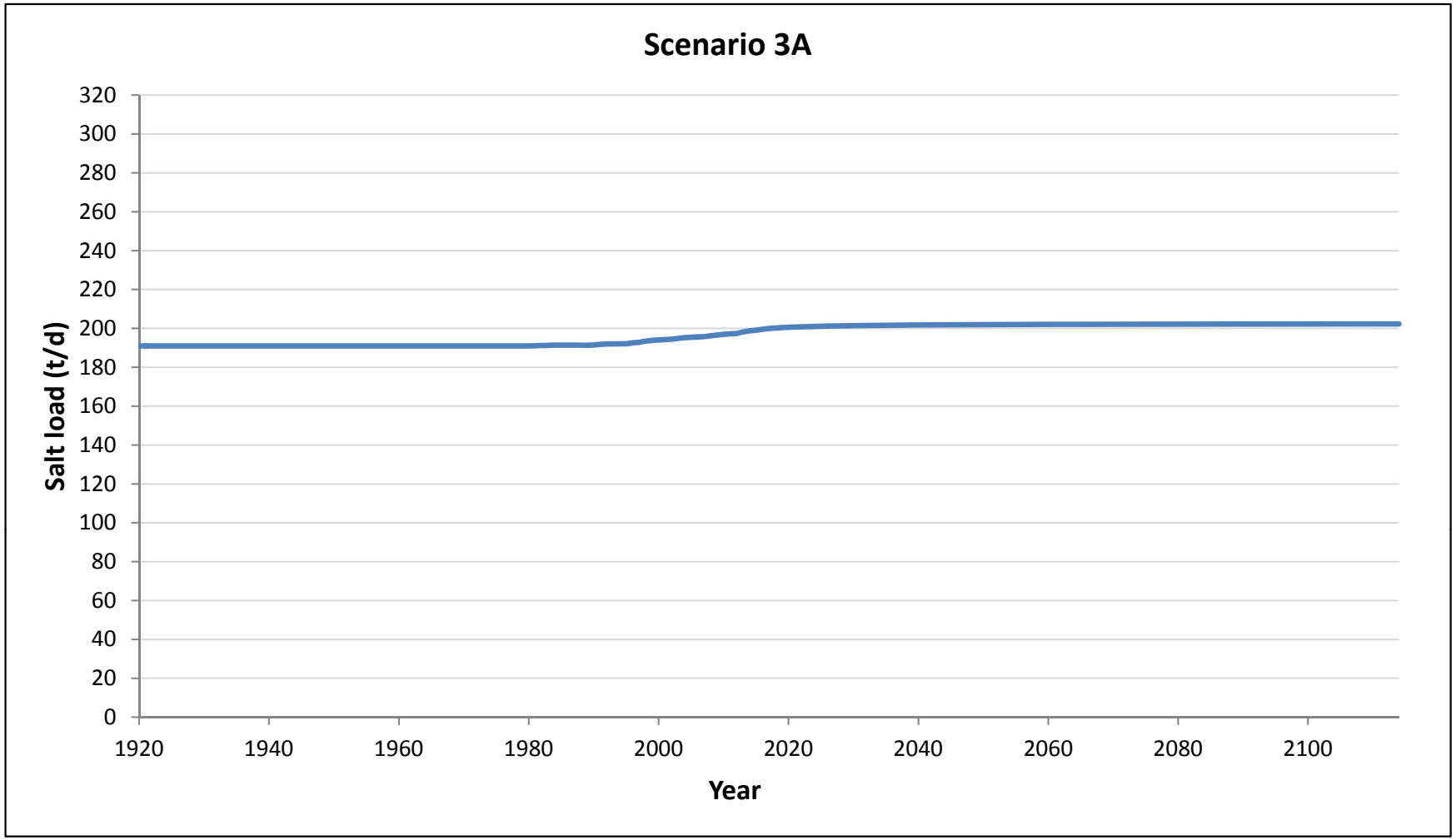
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	201.0
45292	45658	2024	2025	0.1	0.8	1.0	2.0	3.7	4.3	9.7	9.2	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	201.1
45658	46023	2025	2026	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.2	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	201.2
46023	46388	2026	2027	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	201.2
46388	46753	2027	2028	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.0	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.3
46753	47119	2028	2029	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.0	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.3
47119	47484	2029	2030	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.4
47484	47849	2030	2031	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.4
47849	48214	2031	2032	0.1	0.8	1.0	2.0	3.7	4.3	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.5
48214	48580	2032	2033	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.5
48580	48945	2033	2034	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.5
48945	49310	2034	2035	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.6
49310	49675	2035	2036	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.6
49675	50041	2036	2037	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.6
50041	50406	2037	2038	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.7
50406	50771	2038	2039	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.7
50771	51136	2039	2040	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.7
51136	51502	2040	2041	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.7
51502	51867	2041	2042	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.8
51867	52232	2042	2043	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.8
52232	52597	2043	2044	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.8
52597	52963	2044	2045	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.8
52963	53328	2045	2046	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.8
53328	53693	2046	2047	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.9
53693	54058	2047	2048	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.9
54058	54424	2048	2049	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.9
54424	54789	2049	2050	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.2	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.9
54789	55154	2050	2051	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.9
55154	55519	2051	2052	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.4	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	201.9
55519	55885	2052	2053	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
55885	56250	2053	2054	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
56250	56615	2054	2055	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
56615	56980	2055	2056	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
56980	57346	2056	2057	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
57346	57711	2057	2058	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
57711	58076	2058	2059	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
58076	58441	2059	2060	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.0
58441	58807	2060	2061	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
58807	59172	2061	2062	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
59172	59537	2062	2063	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
59537	59902	2063	2064	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
59902	60268	2064	2065	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
60268	60633	2065	2066	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
60633	60998	2066	2067	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
60998	61363	2067	2068	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
61363	61729	2068	2069	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.1	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
62094	62459	2070	2071	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
62459	62824	2071	2072	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
62824	63190	2072	2073	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
63190	63555	2073	2074	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.1
63555	63920	2074	2075	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
63920	64285	2075	2076	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
64285	64651	2076	2077	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
64651	65016	2077	2078	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
65016	65381	2078	2079	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
65381	65746	2079	2080	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
65746	66112	2080	2081	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
66112	66477	2081	2082	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
66477	66842	2082	2083	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
66842	67207	2083	2084	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
67207	67573	2084	2085	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
67573	67938	2085	2086	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
67938	68303	2086	2087	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
68303	68668	2087	2088	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
68668	69034	2088	2089	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
69034	69399	2089	2090	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
69399	69764	2090	2091	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
69764	70129	2091	2092	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
70129	70495	2092	2093	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
70495	70860	2093	2094	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
70860	71225	2094	2095	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
71225	71590	2095	2096	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
71590	71956	2096	2097	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
71956	72321	2097	2098	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
72321	72686	2098	2099	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
72686	73051	2099	2100	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
73051	73416	2100	2101	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
73416	73781	2101	2102	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
73781	74146	2102	2103	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
74146	74511	2103	2104	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
74511	74877	2104	2105	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
74877	75242	2105	2106	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
75242	75607	2106	2107	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
75607	75972	2107	2108	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
75972	76338	2108	2109	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.2
76338	76703	2109	2110	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.3
76703	77068	2110	2111	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.3
77068	77433	2111	2112	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.3
77433	77799	2112	2113	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.3
77799	78164	2113	2114	0.1	0.8	1.0	2.0	3.7	4.4	9.8	9.3	10.9	8.2	6.6	9.1	6.2	12.6	7.4	8.1	13.9	11.7	12.4	10.3	9.2	8.5	7.6	8.1	4.0	3.5	1.5	2.4	1.4	2.1	1.7	3.6	202.3
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3A)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S3A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8874
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32143	32509	1988	1989	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32509	32874	1989	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8892
33239	33604	1991	1992	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	181	85	104	64	93	70	169	8898
33604	33970	1992	1993	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	198	182	85	105	64	94	70	169	8901
33970	34335	1993	1994	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	198	182	85	105	65	94	70	169	8902
34335	34700	1994	1995	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	198	182	85	105	65	94	70	169	8903
34700	35065	1995	1996	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	358	326	352	200	182	85	105	65	95	72	170	8922
35065	35431	1996	1997	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	359	327	355	201	182	86	105	65	97	74	170	8933
35431	35796	1997	1998	2	34	40	85	175	193	361	376	453	365	303	494	313	569	321	370	593	499	542	430	412	359	327	356	201	183	86	106	65	98	75	171	8956
35796	36161	1998	1999	3	37	42	86	176	195	362	376	453	365	303	494	313	569	321	370	593	499	542	431	412	360	327	356	202	183	86	106	66	99	76	171	8973
36161	36526	1999	2000	4	39	43	87	177	196	363	376	453	365	303	494	313	569	321	370	593	499	542	431	412	360	327	356	202	183	86	106	66	99	76	171	8982
36526	36892	2000	2001	4	40	44	88	177	196	364	376	453	365	303	494	313	569	321	370	593	499	542	431	412	360	328	357	202	183	86	106	66	100	77	171	8990
36892	37257	2001	2002	5	41	44	89	178	197	364	376	453	365	303	494	313	569	321	370	593	499	542	431	412	360	328	357	202	183	86	106	66	102	77	171	8997
37257	37622	2002	2003	5	41	45	90	179	201	370	378	453	365	303	494	313	569	321	370	593	499	542	431	412	360	328	357	202	183	86	106	67	102	78	171	9014
37622	37987	2003	2004	5	41	45	90	180	203	375	379	454	365	303	494	313	569	321	370	593	499	542	431	412	360	328	357	202	183	86	107	67	103	78	171	9027
37987	38353	2004	2005	5	42	46	91	181	205	377	380	454	365	303	494	313	569	321	370	593	499	542	431	412	360	328	357	202	183	86	107	67	103	78	171	9036
38353	38718	2005	2006	5	42	46	91	182	206	378	381	454	366	303	494	313	569	321	370	593	499	542	431	412	360	328	357	202	183	86	107	67	104	78	171	9042
38718	39083	2006	2007	5	42	46	92	182	207	379	381	455	366	303	494	313	569	321	370	593	499	542	431	412	360	328	357	203	183	86	107	67	104	79	171	9047
39083	39448	2007	2008	5	42	46	92	183	207	381	384	457	366	303	494	313	569	321	370	593	501	546	432	413	360	328	357	203	183	86	107	67	104	79	171	9064
39448	39814	2008	2009	5	42	46	93	183	208	382	387	459	367	303	494	313	569	321	370	594	502	549	434	413	360	328	357	203	183	86	107	68	104	79	171	9081
39814	40179	2009	2010	5	42	46	93	184	208	383	389	461	367	303	495	313	569	321	370	594	503	551	435	414	361	328	357	203	183	86	107	68	104	79	171	9093
40179	40544	2010	2011	5	42	47	93	184	209	384	390	462	368	304	495	313	570	322	370	594	504	552	436	414	361	328	357	203	183	86	107	68	104	79	171	9102
40544	40909	2011	2012	5	42	47	93	184	209	385	391	462	368	304	495	313	570	322	370	595	504	552	436	414	361	328	357	203	183	86	107	68	104	79	171	9109
40909	41275	2012	2013	5	43	47	93	184	209	386	391	463	368	304	495	313	570	322	370	595	505	559	450	420	361	328	357	203	183	86	107	68	104	79	171	9140
41275	41640	2013	2014	5	43	47	94	185	210	386	392	464	369	304	495	313	570	322	370	595	507	563	458	424	362	328	357	203	183	86	107	68	104	79	171	9162
41640	42005	2014	2015	5	43	47	94	185	210	387	392	464	369	304	495	313	570	322	370	595	508	566	461	426	363	328	358	203	183	86	107	68	104	79	171	9175
42005	42370	2015	2016	5	43	47	94	185	210	389	393	464	369	304	495	313	570	322	371	599	509	568	463	428	363	328	358	203	183	86	107	68	104	79	171	9193
42370	42736	2016	2017	5	43	47	94	185	211	390	393	465	369	304	495	313	571	323	373	601	510	569	464	429	364	328	358	203	184	86	107	68	104	79	171	9207
42736	43101	2017	2018	5	43	47	94	185	211	391	394	465	370	305	495	313	571	323	373	603	511	570	465	430	364	329	358	203	184	86	107	68	104	79	171	9217
43101	43466	2018	2019	5	43	47	94	186	211	391	394	465	370	305	496	313	571	323	374	604	512	571	466	431	364	329	358	203	184	86	107	68	104	79	171	9225
43466	43831	2019	2020	5	43	47	94	186	212	392	394	465	370	305	496	313	571	323	374	605	513	572	466	431	365	329	358	203	184	86	107	68	104	79	171	9232
43831	44197	2020	2021	5	43	47	94	186	212	392	395	466	370	305	496	313	572	324	375	606	513	572	467	432	365	329	358	203	184	86	107	68	104	79	171	9237
44197	44562	2021	2022	5	43	47	95	186	212	392	395	466	370	305	496	313	572	324	375	606	514	573	467	432	365	329	358	203	184	86	107	68	104	79	171	9241
44562	44927	2022	2023	5	43	47	95	186	212	392	395	466	370	305	496	313	572	324	375	606	514	573	467	432	365	329	359	203	184	86	107	68	104	79	171	9245

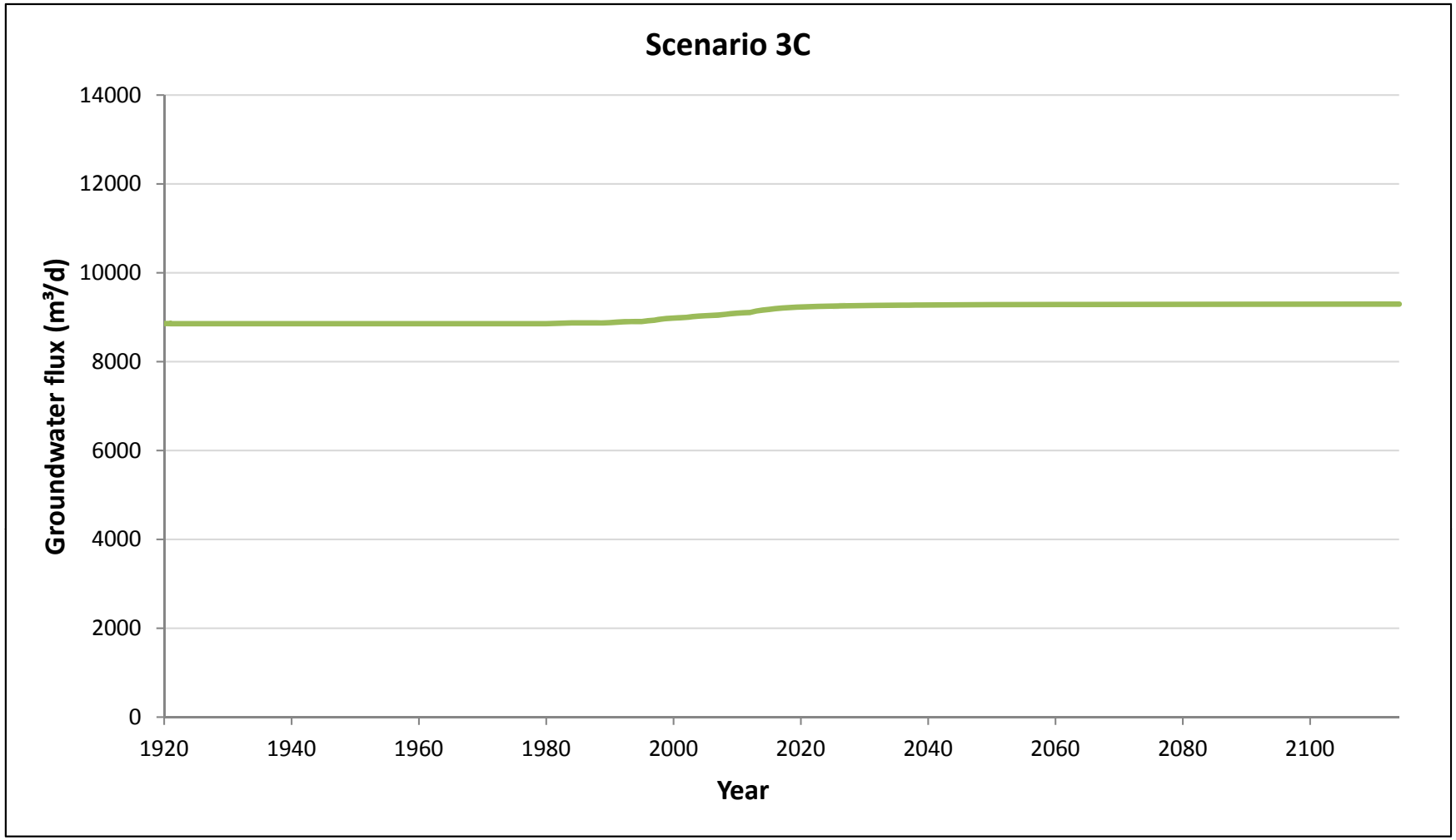
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	5	43	47	95	186	212	392	395	466	370	305	496	313	572	324	375	607	514	573	468	433	366	329	359	203	184	86	107	68	104	79	171	9249
45292	45658	2024	2025	5	43	48	95	186	212	392	395	466	370	305	496	313	572	324	375	607	514	574	468	433	366	329	359	203	184	86	107	68	104	79	171	9252
45658	46023	2025	2026	5	43	48	95	186	212	393	395	466	370	305	496	314	573	324	375	607	515	574	468	433	366	329	359	203	184	86	107	68	104	79	171	9255
46023	46388	2026	2027	5	43	48	95	186	212	393	395	466	371	305	496	314	573	324	376	607	515	574	468	433	366	329	359	203	184	86	107	68	104	79	171	9257
46388	46753	2027	2028	5	43	48	95	186	212	393	395	466	371	305	496	314	573	324	376	607	515	574	468	433	366	330	359	204	184	86	107	68	104	79	171	9259
46753	47119	2028	2029	5	43	48	95	186	212	393	395	466	371	305	496	314	573	324	376	608	515	574	469	434	366	330	359	204	184	86	107	68	104	79	171	9261
47119	47484	2029	2030	5	43	48	95	186	212	393	395	467	371	305	497	314	573	325	376	608	515	575	469	434	366	330	359	204	184	86	107	68	104	79	171	9263
47484	47849	2030	2031	5	43	48	95	187	213	393	396	467	371	306	497	314	573	325	376	608	515	575	469	434	366	330	359	204	184	86	107	68	104	79	171	9265
47849	48214	2031	2032	5	43	48	95	187	213	393	396	467	371	306	497	314	573	325	376	608	515	575	469	434	366	330	359	204	184	86	107	68	104	79	171	9267
48214	48580	2032	2033	5	43	48	95	187	213	393	396	467	371	306	497	314	573	325	376	608	516	575	469	434	366	330	359	204	184	86	107	68	104	79	171	9268
48580	48945	2033	2034	5	43	48	95	187	213	393	396	467	371	306	497	314	573	325	376	608	516	575	469	434	367	330	359	204	184	86	107	68	104	79	171	9270
48945	49310	2034	2035	5	43	48	95	187	213	393	396	467	371	306	497	314	573	325	376	608	516	575	469	434	367	330	359	204	184	86	107	68	104	79	171	9271
49310	49675	2035	2036	5	43	48	95	187	213	393	396	467	371	306	497	314	574	325	376	608	516	575	469	434	367	330	359	204	184	86	107	68	104	79	171	9272
49675	50041	2036	2037	5	43	48	95	187	213	393	396	467	371	306	497	314	574	325	376	608	516	575	469	434	367	330	360	204	184	86	107	68	104	79	171	9273
50041	50406	2037	2038	5	43	48	95	187	213	393	396	467	371	306	497	314	574	325	376	608	516	575	469	434	367	330	360	204	184	86	107	68	104	79	171	9275
50406	50771	2038	2039	5	43	48	95	187	213	393	396	467	371	306	497	314	574	325	376	608	516	575	469	435	367	330	360	204	184	86	107	68	104	79	171	9276
50771	51136	2039	2040	5	43	48	95	187	213	393	396	467	371	306	497	314	574	325	376	608	516	575	470	435	367	330	360	204	184	86	107	68	104	79	171	9277
51136	51502	2040	2041	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	86	107	68	104	79	171	9277
51502	51867	2041	2042	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	86	107	68	104	79	171	9278
51867	52232	2042	2043	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	86	107	68	104	79	171	9279
52232	52597	2043	2044	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	86	107	68	104	79	171	9280
52597	52963	2044	2045	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	86	107	68	104	79	171	9281
52963	53328	2045	2046	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	87	107	68	104	79	171	9281
53328	53693	2046	2047	5	43	48	96	187	213	394	396	467	371	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	87	108	68	104	79	171	9282
53693	54058	2047	2048	5	44	48	96	187	213	394	396	467	372	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	87	108	68	104	79	171	9283
54058	54424	2048	2049	5	44	48	96	187	213	394	396	467	372	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	87	108	68	104	79	171	9283
54424	54789	2049	2050	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	516	576	470	435	367	330	360	204	184	87	108	68	104	79	171	9284
54789	55154	2050	2051	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9284
55154	55519	2051	2052	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9285
55519	55885	2052	2053	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9285
55885	56250	2053	2054	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9285
56250	56615	2054	2055	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9285
56615	56980	2055	2056	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9286
56980	57346	2056	2057	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9286
57346	57711	2057	2058	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9286
57711	58076	2058	2059	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	376	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9287
58076	58441	2059	2060	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9287
58441	58807	2060	2061	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9287
58807	59172	2061	2062	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9288
59172	59537	2062	2063	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9288
59537	59902	2063	2064	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9288
59902	60268	2064	2065	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9288
60268	60633	2065	2066	5	44	48	96	187	213	394	396	468	372	306	497	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9288
60633	60998	2066	2067	5	44	48	96	187	213	394	397	468	372	306	498	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9288
60998	61363	2067	2068	5	44	48	96	187	213	394	397	468	372	306	498	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9289
61363	61729	2068	2069	5	44	48	96	187	213	394	397	468	372	306	498	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9289

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	5	44	48	96	187	213	394	397	468	372	306	498	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9289
62094	62459	2070	2071	5	44	48	96	187	213	394	397	468	372	306	498	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9289
62459	62824	2071	2072	5	44	48	96	187	213	394	397	468	372	306	498	314	574	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9290
62824	63190	2072	2073	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9290
63190	63555	2073	2074	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9290
63555	63920	2074	2075	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9290
63920	64285	2075	2076	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9290
64285	64651	2076	2077	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	435	367	330	360	204	185	87	108	68	104	79	171	9290
64651	65016	2077	2078	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9291
65016	65381	2078	2079	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9291
65381	65746	2079	2080	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9291
65746	66112	2080	2081	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
66112	66477	2081	2082	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
66477	66842	2082	2083	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
66842	67207	2083	2084	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
67207	67573	2084	2085	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
67573	67938	2085	2086	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
67938	68303	2086	2087	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
68303	68668	2087	2088	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	367	330	360	204	185	87	108	68	104	79	171	9292
68668	69034	2088	2089	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	576	470	436	368	330	360	204	185	87	108	68	104	79	171	9293
69034	69399	2089	2090	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9293
69399	69764	2090	2091	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9293
69764	70129	2091	2092	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9293
70129	70495	2092	2093	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9293
70495	70860	2093	2094	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9293
70860	71225	2094	2095	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9294
71225	71590	2095	2096	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9294
71590	71956	2096	2097	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9294
71956	72321	2097	2098	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	470	436	368	330	360	204	185	87	108	68	104	79	171	9294
72321	72686	2098	2099	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
72686	73051	2099	2100	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
73051	73416	2100	2101	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
73416	73781	2101	2102	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
73781	74146	2102	2103	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
74146	74511	2103	2104	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
74511	74877	2104	2105	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
74877	75242	2105	2106	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9294
75242	75607	2106	2107	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
75607	75972	2107	2108	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
75972	76338	2108	2109	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
76338	76703	2109	2110	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
76703	77068	2110	2111	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
77068	77433	2111	2112	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
77433	77799	2112	2113	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295
77799	78164	2113	2114	5	44	48	96	187	213	394	397	468	372	306	498	314	575	325	377	609	517	577	471	436	368	330	360	204	185	87	108	68	104	79	171	9295

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3C)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S3C)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33604	1991	1992	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33604	33970	1992	1993	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33970	34335	1993	1994	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.9
34335	34700	1994	1995	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.9
34700	35065	1995	1996	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.4	7.8	3.9	3.4	1.5	2.3	1.3	1.9	1.5	3.6	192.3
35065	35431	1996	1997	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.5	7.9	3.9	3.4	1.5	2.3	1.3	2.0	1.6	3.6	192.5
35431	35796	1997	1998	0.0	0.6	0.7	1.7	3.4	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.5	7.9	3.9	3.4	1.5	2.3	1.3	2.0	1.6	3.6	193.0
35796	36161	1998	1999	0.1	0.6	0.8	1.7	3.5	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.5	7.9	3.9	3.5	1.5	2.3	1.3	2.0	1.6	3.6	193.3
36161	36526	1999	2000	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	193.5
36526	36892	2000	2001	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	193.7
36892	37257	2001	2002	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.3	2.0	1.6	3.6	193.8
37257	37622	2002	2003	0.1	0.7	0.8	1.8	3.5	4.0	9.0	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.3	2.1	1.6	3.6	194.2
37622	37987	2003	2004	0.1	0.7	0.9	1.8	3.5	4.1	9.1	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.3	2.1	1.6	3.6	194.5
37987	38353	2004	2005	0.1	0.7	0.9	1.8	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	194.7
38353	38718	2005	2006	0.1	0.7	0.9	1.9	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	194.8
38718	39083	2006	2007	0.1	0.7	0.9	1.9	3.6	4.1	9.3	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	194.9
39083	39448	2007	2008	0.1	0.7	0.9	1.9	3.6	4.1	9.3	8.9	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.3
39448	39814	2008	2009	0.1	0.7	0.9	1.9	3.6	4.2	9.3	9.0	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.7	9.3	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.6
39814	40179	2009	2010	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.7	9.3	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	195.9
40179	40544	2010	2011	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.4	11.8	9.4	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	196.1
40544	40909	2011	2012	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.4	11.8	9.4	8.6	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	196.3
40909	41275	2012	2013	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.9	9.7	8.7	8.2	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	196.9
41275	41640	2013	2014	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	12.0	9.8	8.8	8.3	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	197.4
41640	42005	2014	2015	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	12.1	9.9	8.9	8.3	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	197.7
42005	42370	2015	2016	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.1	9.9	8.9	8.3	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.1
42370	42736	2016	2017	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.3	8.0	13.6	11.5	12.1	10.0	8.9	8.3	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.4
42736	43101	2017	2018	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.3	8.0	13.6	11.5	12.2	10.0	8.9	8.3	7.5	7.9	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.6
43101	43466	2018	2019	0.1	0.7	0.9	1.9	3.6	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.4	8.0	13.7	11.5	12.2	10.0	8.9	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.8
43466	43831	2019	2020	0.1	0.7	0.9	1.9	3.6	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	8.9	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	198.9
43831	44197	2020	2021	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.0
44197	44562	2021	2022	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.1
44562	44927	2022	2023	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.2
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

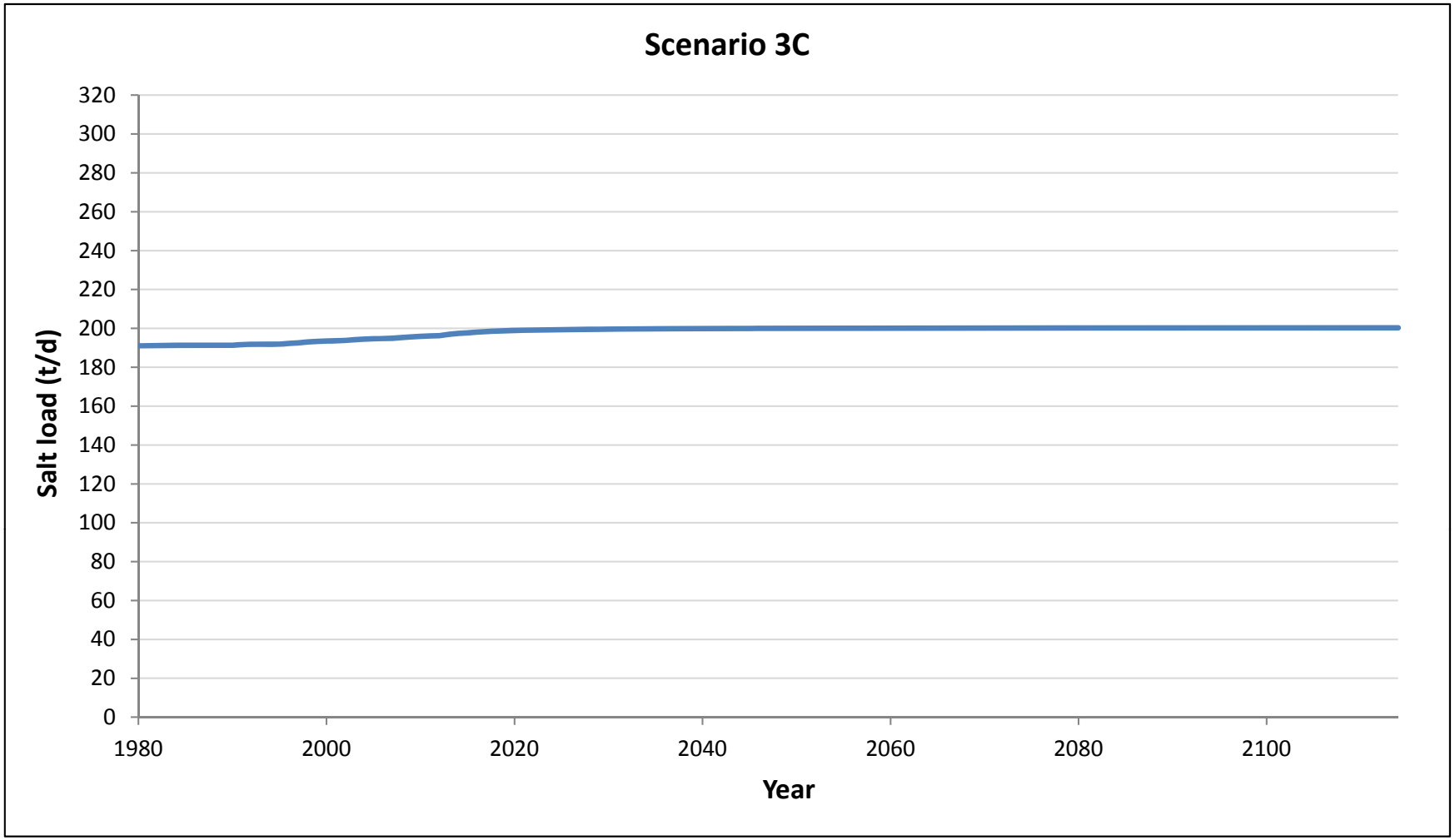
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.3
45292	45658	2024	2025	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.3	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.4
45658	46023	2025	2026	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.4
46023	46388	2026	2027	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.5
46388	46753	2027	2028	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.5
46753	47119	2028	2029	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.0	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.6
47119	47484	2029	2030	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.6
47484	47849	2030	2031	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.7	11.6	12.2	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.6
47849	48214	2031	2032	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.7
48214	48580	2032	2033	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.7
48580	48945	2033	2034	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.7
48945	49310	2034	2035	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.8
49310	49675	2035	2036	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.8
49675	50041	2036	2037	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.8
50041	50406	2037	2038	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.8
50406	50771	2038	2039	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.9
50771	51136	2039	2040	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.9
51136	51502	2040	2041	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.9
51502	51867	2041	2042	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.9
51867	52232	2042	2043	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	199.9
52232	52597	2043	2044	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
52597	52963	2044	2045	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
52963	53328	2045	2046	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
53328	53693	2046	2047	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
53693	54058	2047	2048	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
54058	54424	2048	2049	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
54424	54789	2049	2050	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.0
54789	55154	2050	2051	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
55154	55519	2051	2052	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
55519	55885	2052	2053	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
55885	56250	2053	2054	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
56250	56615	2054	2055	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
56615	56980	2055	2056	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
56980	57346	2056	2057	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
57346	57711	2057	2058	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
57711	58076	2058	2059	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
58076	58441	2059	2060	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
58441	58807	2060	2061	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
58807	59172	2061	2062	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
59172	59537	2062	2063	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
59537	59902	2063	2064	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
59902	60268	2064	2065	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
60268	60633	2065	2066	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
60633	60998	2066	2067	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
60998	61363	2067	2068	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
61363	61729	2068	2069	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.1
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
62094	62459	2070	2071	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
62459	62824	2071	2072	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
62824	63190	2072	2073	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.0	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
63190	63555	2073	2074	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
63555	63920	2074	2075	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
63920	64285	2075	2076	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
64285	64651	2076	2077	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
64651	65016	2077	2078	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
65016	65381	2078	2079	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
65381	65746	2079	2080	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
65746	66112	2080	2081	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
66112	66477	2081	2082	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
66477	66842	2082	2083	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
66842	67207	2083	2084	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
67207	67573	2084	2085	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
67573	67938	2085	2086	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
67938	68303	2086	2087	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
68303	68668	2087	2088	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
68668	69034	2088	2089	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
69034	69399	2089	2090	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
69399	69764	2090	2091	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
69764	70129	2091	2092	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
70129	70495	2092	2093	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
70495	70860	2093	2094	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.2
70860	71225	2094	2095	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
71225	71590	2095	2096	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
71590	71956	2096	2097	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
71956	72321	2097	2098	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
72321	72686	2098	2099	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
72686	73051	2099	2100	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
73051	73416	2100	2101	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
73416	73781	2101	2102	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
73781	74146	2102	2103	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
74146	74511	2103	2104	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
74511	74877	2104	2105	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
74877	75242	2105	2106	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
75242	75607	2106	2107	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
75607	75972	2107	2108	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
75972	76338	2108	2109	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
76338	76703	2109	2110	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
76703	77068	2110	2111	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
77068	77433	2111	2112	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
77433	77799	2112	2113	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
77799	78164	2113	2114	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.5	7.4	8.1	13.8	11.7	12.3	10.1	9.0	8.4	7.5	8.0	4.0	3.5	1.5	2.3	1.4	2.1	1.7	3.6	200.3
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S3C)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S3C)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8874
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32143	32509	1988	1989	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32509	32874	1989	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8892
33239	33604	1991	1992	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	181	85	104	64	93	70	169	8898
33604	33970	1992	1993	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	198	182	85	105	64	94	70	169	8901
33970	34335	1993	1994	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	431	414	380	335	351	199	182	85	105	65	94	70	169	8950
34335	34700	1994	1995	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	431	416	384	338	354	200	182	85	105	65	94	70	169	8962
34700	35065	1995	1996	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	500	542	431	417	386	341	363	201	182	86	105	65	94	70	169	8981
35065	35431	1996	1997	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	500	542	432	417	387	342	366	203	183	86	105	65	94	70	169	8990
35431	35796	1997	1998	2	34	40	85	175	193	361	376	453	365	303	494	313	569	321	370	593	500	542	432	418	388	343	368	203	183	86	105	65	94	70	169	9012
35796	36161	1998	1999	3	37	42	86	176	195	362	376	453	365	303	494	313	569	321	370	593	500	542	432	418	389	344	368	204	183	86	106	65	94	70	169	9028
36161	36526	1999	2000	4	39	43	87	177	196	363	376	453	365	303	494	313	569	321	370	593	500	542	432	419	390	346	384	210	184	86	110	65	94	70	169	9066
36526	36892	2000	2001	4	40	44	88	177	196	364	376	453	365	303	494	313	569	321	370	593	500	542	432	419	390	346	385	210	184	86	110	65	95	70	169	9075
36892	37257	2001	2002	5	41	44	89	178	197	364	376	453	365	303	494	313	569	321	370	593	500	542	432	419	390	347	385	211	184	86	110	66	96	71	169	9082
37257	37622	2002	2003	5	41	45	90	179	201	370	378	453	365	303	494	313	569	321	370	593	500	542	432	419	390	347	385	211	184	86	110	66	97	71	170	9100
37622	37987	2003	2004	5	41	45	90	180	203	375	379	454	365	303	494	313	569	321	370	596	501	543	432	419	391	347	386	211	184	86	111	66	97	71	170	9119
37987	38353	2004	2005	5	42	46	91	181	205	377	380	454	365	303	494	313	569	321	370	597	502	543	432	420	391	347	386	211	184	86	111	67	98	72	170	9129
38353	38718	2005	2006	5	42	46	91	182	206	378	381	454	366	303	494	313	569	321	370	597	502	543	432	420	391	347	386	211	184	86	111	67	98	72	170	9137
38718	39083	2006	2007	5	42	46	92	182	207	379	381	455	366	303	494	313	569	321	370	597	502	543	432	420	391	347	386	211	184	86	111	67	98	72	170	9142
39083	39448	2007	2008	5	42	46	92	183	207	381	384	457	366	303	494	313	569	321	370	597	503	547	434	420	391	347	386	211	184	86	111	67	99	72	170	9160
39448	39814	2008	2009	5	42	46	93	183	208	382	387	459	367	303	494	313	569	322	370	597	505	550	436	421	391	347	386	211	185	86	111	67	99	72	170	9178
39814	40179	2009	2010	5	42	46	93	184	208	383	389	461	367	303	495	313	570	322	370	598	506	552	437	421	391	347	386	211	185	86	111	67	99	72	170	9190
40179	40544	2010	2011	5	42	47	93	184	209	384	390	462	368	304	495	313	570	322	370	598	506	553	438	422	391	347	386	212	185	86	111	67	99	72	170	9200
40544	40909	2011	2012	5	42	47	93	184	209	385	391	462	368	304	495	313	570	322	370	598	507	554	438	422	392	347	386	212	185	86	112	67	99	72	170	9207
40909	41275	2012	2013	5	43	47	93	184	209	386	391	463	368	304	495	313	570	322	370	598	508	560	452	427	392	347	386	212	185	87	112	69	107	84	173	9262
41275	41640	2013	2014	5	43	47	94	185	210	386	392	464	369	304	495	313	570	322	370	599	509	565	459	432	393	347	386	212	185	87	113	71	116	92	175	9307
41640	42005	2014	2015	5	43	47	94	185	210	387	392	464	369	304	495	313	570	322	370	599	510	567	463	434	394	348	387	212	185	87	114	73	122	97	177	9337
42005	42370	2015	2016	5	43	47	94	185	210	389	393	464	369	304	495	313	570	322	372	602	511	569	465	436	394	348	387	212	185	87	115	75	126	100	177	9365
42370	42736	2016	2017	5	43	47	94	185	211	390	393	465	369	304	495	313	571	323	373	605	513	571	466	437	395	348	387	212	185	87	116	76	129	101	178	9387
42736	43101	2017	2018	5	43	47	94	185	211	391	394	465	370	305	495	313	571	323	374	607	514	572	467	438	395	348	387	212	185	87	117	77	131	102	178	9402
43101	43466	2018	2019	5	43	47	94	186	211	391	394	465	370	305	496	313	571	323	374	608	515	572	468	438	395	348	387	212	185	88	117	77	132	103	179	9414
43466	43831	2019	2020	5	43	47	94	186	212	392	394	465	370	305	496	313	572	324	375	609	515	573	468	439	396	348	387	212	185	88	118	78	133	104	179	9423
43831	44197	2020	2021	5	43	47	94	186	212	392	395	466	370	305	496	313	572	324	375	609	516	574	469	439	396	348	387	212	185	88	118	78	133	104	179	9430
44197	44562	2021	2022	5	43	47	95	186	212	392	395	466	370	305	496	313	572	324	376	611	517	574	469	440	398	349	388	212	185	88	119	79	134	104	180	9444
44562	44927	2022	2023	5	43	47	95	186	212	392	395	466	370	305	496	314	573	325	377	613	517	575	469	441	399	349	388	212	185	88	119	80	135	104	180	9456

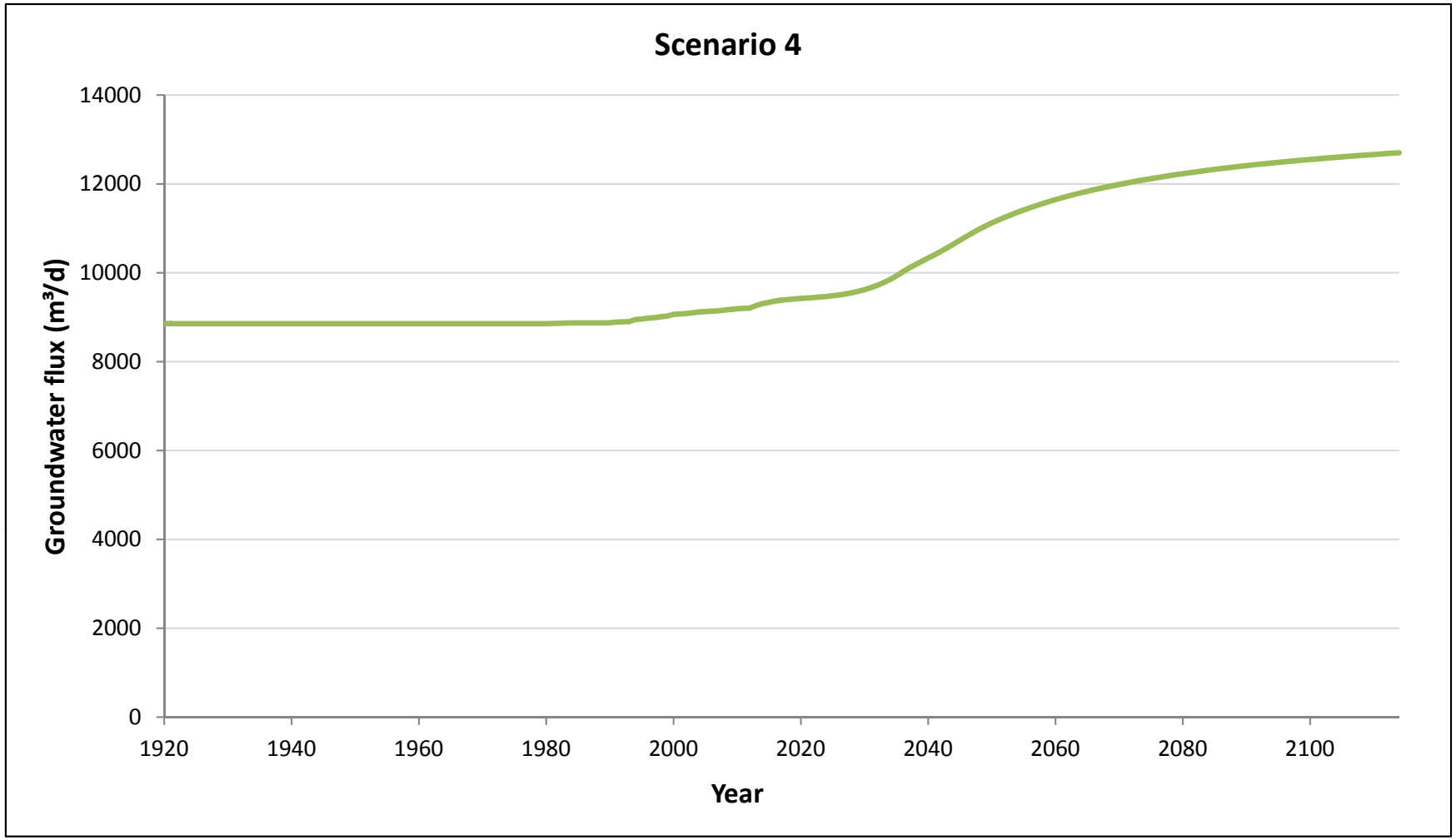
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S4)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	5	43	47	95	186	212	392	395	466	370	305	496	314	573	326	379	615	519	576	470	441	399	349	388	212	185	88	120	80	136	105	180	9470
45292	45658	2024	2025	5	43	48	95	186	212	392	395	466	370	305	496	314	574	327	381	618	520	577	471	442	399	350	388	213	186	88	120	81	137	105	180	9485
45658	46023	2025	2026	5	43	48	95	186	212	393	395	466	371	305	497	315	576	328	383	621	522	578	471	442	400	350	388	213	186	89	121	81	138	105	180	9501
46023	46388	2026	2027	5	43	48	95	186	212	393	395	466	371	306	497	316	578	330	387	625	524	580	472	443	400	350	389	213	186	89	121	81	138	105	180	9523
46388	46753	2027	2028	5	43	48	95	186	212	393	395	466	371	306	498	317	580	332	391	631	527	582	473	443	401	350	389	213	186	89	122	82	138	106	180	9552
46753	47119	2028	2029	5	43	48	95	186	212	393	395	467	371	306	499	318	583	335	395	636	530	584	475	444	402	351	389	213	186	90	124	83	139	106	180	9584
47119	47484	2029	2030	5	43	48	95	186	212	393	396	467	371	307	499	319	586	337	399	640	533	587	477	446	402	351	389	213	186	91	126	85	140	106	181	9620
47484	47849	2030	2031	5	43	48	95	187	213	393	396	467	372	307	500	320	589	339	402	646	541	593	479	447	403	352	390	213	187	93	129	86	142	107	182	9666
47849	48214	2031	2032	5	43	48	95	187	213	393	396	467	372	308	502	321	593	342	406	652	548	600	482	449	404	352	390	214	188	94	131	87	143	108	183	9716
48214	48580	2032	2033	5	43	48	95	187	213	393	396	468	373	308	503	323	597	345	409	658	555	606	485	451	406	354	393	214	189	96	134	90	149	111	186	9783
48580	48945	2033	2034	5	43	48	95	187	213	393	396	468	373	309	504	325	601	348	413	663	561	611	488	453	407	357	397	216	191	99	138	92	155	115	188	9851
48945	49310	2034	2035	5	43	48	95	187	213	394	397	469	374	310	506	326	605	351	417	671	567	616	492	455	410	361	401	217	192	102	142	94	158	117	189	9924
49310	49675	2035	2036	5	43	48	95	187	213	394	397	469	375	311	507	328	609	354	421	678	573	623	503	470	415	366	405	219	194	105	146	96	161	119	191	10023
49675	50041	2036	2037	5	43	48	96	187	213	394	397	470	375	312	509	329	613	357	425	686	579	630	512	479	420	371	409	221	196	108	149	98	163	121	193	10107
50041	50406	2037	2038	5	43	48	96	187	213	394	397	470	376	313	510	331	617	360	429	693	584	636	517	485	424	375	413	223	199	111	153	100	165	123	194	10184
50406	50771	2038	2039	5	44	48	96	187	213	394	398	471	377	313	512	332	620	362	433	699	590	641	522	489	429	378	417	225	201	115	157	101	167	125	197	10258
50771	51136	2039	2040	5	44	48	96	187	213	395	398	472	378	314	513	334	624	365	437	705	594	646	526	493	433	382	421	227	204	118	160	103	170	127	200	10333
51136	51502	2040	2041	5	44	48	96	187	213	395	398	472	378	315	515	336	629	368	442	711	599	651	530	497	436	385	425	230	208	122	164	104	172	130	203	10409
51502	51867	2041	2042	5	44	48	96	187	213	395	399	473	379	316	517	338	633	371	446	716	604	655	533	501	440	389	429	233	211	125	167	106	175	133	206	10484
51867	52232	2042	2043	5	44	48	96	187	214	395	399	474	380	317	518	340	637	374	450	722	608	660	538	508	445	392	433	236	215	129	170	107	178	135	209	10563
52232	52597	2043	2044	5	44	48	96	187	214	396	400	474	381	318	520	342	640	377	454	727	612	664	543	516	450	395	438	240	219	132	173	109	180	138	212	10644
52597	52963	2044	2045	5	44	48	96	188	214	396	400	475	381	319	522	344	644	379	457	732	616	670	551	527	456	399	443	243	223	135	176	110	183	140	215	10731
52963	53328	2045	2046	5	44	48	96	188	214	396	401	476	382	319	523	345	647	381	460	736	620	675	559	539	462	403	448	247	227	138	179	112	185	142	218	10818
53328	53693	2046	2047	5	44	48	96	188	214	397	401	476	383	320	525	347	650	383	463	740	624	681	566	549	469	407	454	251	231	141	182	113	187	145	221	10902
53693	54058	2047	2048	6	44	48	96	188	214	397	401	477	384	321	527	348	653	385	466	745	628	687	573	557	474	411	459	255	235	143	184	114	189	147	224	10980
54058	54424	2048	2049	6	44	49	97	188	214	397	402	478	385	322	528	350	656	387	468	748	632	691	578	565	479	414	464	259	238	146	187	115	191	149	227	11054
54424	54789	2049	2050	6	44	49	97	188	215	398	402	478	385	323	530	351	659	389	471	752	636	696	583	571	484	418	469	262	242	148	189	117	193	151	229	11122
54789	55154	2050	2051	6	44	49	97	188	215	398	403	479	386	323	531	353	661	391	473	756	639	700	587	576	488	421	474	266	245	150	191	118	195	153	232	11186
55154	55519	2051	2052	6	44	49	97	188	215	398	403	480	387	324	533	354	664	392	475	759	642	704	591	581	492	424	479	269	248	152	193	119	197	154	234	11247
55519	55885	2052	2053	6	44	49	97	188	215	399	404	480	388	325	534	355	666	394	477	762	645	707	594	586	496	427	483	272	251	154	195	120	199	156	236	11305
55885	56250	2053	2054	6	44	49	97	189	215	399	404	481	388	326	535	356	669	395	479	765	648	711	598	590	500	430	487	275	254	156	197	121	201	158	238	11359
56250	56615	2054	2055	6	44	49	97	189	215	399	404	482	389	326	537	358	671	397	481	768	650	714	601	594	503	433	491	278	257	158	199	121	202	159	240	11412
56615	56980	2055	2056	6	44	49	97	189	216	400	405	482	390	327	538	359	673	398	483	771	653	717	604	599	507	435	495	281	260	160	200	122	204	160	242	11464
56980	57346	2056	2057	6	44	49	97	189	216	400	405	483	390	328	539	360	675	399	485	774	655	720	607	603	510	438	499	284	262	161	202	123	205	162	243	11513
57346	57711	2057	2058	6	44	49	97	189	216	401	406	484	391	328	540	361	677	401	486	776	658	722	610	607	514	440	503	286	264	163	204	124	207	163	245	11560
57711	58076	2058	2059	6	44	49	98	189	216	401	406	484	391	329	542	362	679	402	488	779	660	725	612	610	517	443	506	289	267	164	205	125	208	164	247	11605
58076	58441	2059	2060	6	44	49	98	189	216	401	406	485	392	329	543	363	680	403	490	781	662	727	615	613	519	445	510	291	269	165	206	125	209	166	248	11647
58441	58807	2060	2061	6	44	49	98	189	216	402	407	485	393	330	544	364	682	404	491	783	664	730	617	616	522	447	513	294	271	167	208	126	210	167	250	11688
58807	59172	2061	2062	6	44	49	98	190	217	402	407	486	393	331	545	365	684	405	493	785	666	732	619	619	524	450	516	296	273	168	209	127	212	168	251	11727
59172	59537	2062	2063	6	44	49	98	190	217	402	408	487	394	331	546	366	685	406	494	787	668	734	621	622	527	452	519	298	275	169	210	127	213	169	252	11765
59537	59902	2063	2064	6	44	49	98	190	217	403	408	487	394	332	547	367	687	407	495	789	669	736	623	624	529	453	522	300	277	170	211	128	214	170	253	11801
59902	60268	2064	2065	6	45	49	98	190	217	403	408	488	395	332	548	368	689	408	497	791	671	738	625	626	531	455	525	302	278	171	212	128	215	171	255	11835
60268	60633	2065	2066	6	45	49	98	190	217	403	409	488	396	333	549	369	690	409	498	793	673	740	626	629	533	457	527	304	280	172	214	129	216	172	256	11869
60633	60998	2066	2067	6	45	49	98	190	217	403	409	489	396	333	550	369	691	410	499	795	674	741	628	631	535	459	530	306	281	173	215	130	217	173	257	11901
60998	61363	2067	2068	6	45	49	99	190	218	404	409	489	397	334	551	370	693	411	500	797	676	743	630	633	537	461	532	307	283	174	216	130	218	174	258	11932
61363	61729	2068	2069	6	45	50	99	191	218	404	410	490	397	334	552	371	694	412	501	798	677	745	631	635	539	462	535	309	284	175	217	131	219	175	259	11961

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S4)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	6	45	50	99	191	218	404	410	490	398	335	553	372	695	412	502	800	678	746	633	636	540	464	537	311	286	176	217	131	220	176	260	11990
62094	62459	2070	2071	6	45	50	99	191	218	405	410	491	398	335	554	372	697	413	503	801	680	748	634	638	542	465	539	312	287	177	218	132	221	177	261	12018
62459	62824	2071	2072	6	45	50	99	191	218	405	411	491	398	335	555	373	698	414	504	803	681	749	635	640	544	467	541	314	288	177	219	132	222	178	262	12045
62824	63190	2072	2073	6	45	50	99	191	218	405	411	492	399	336	555	374	699	415	505	804	682	750	637	641	545	468	544	315	290	178	220	132	223	178	263	12071
63190	63555	2073	2074	6	45	50	99	191	218	406	411	492	399	336	556	375	700	415	506	806	683	752	638	643	547	470	546	317	291	179	221	133	224	179	264	12096
63555	63920	2074	2075	6	45	50	99	191	219	406	412	493	400	337	557	375	701	416	507	807	685	753	639	644	548	471	548	318	292	180	222	133	224	180	265	12120
63920	64285	2075	2076	6	45	50	99	191	219	406	412	493	400	337	558	376	702	417	508	808	686	754	640	646	550	472	549	319	293	180	222	134	225	181	266	12144
64285	64651	2076	2077	6	45	50	100	192	219	406	412	493	401	337	559	376	703	417	509	809	687	755	641	647	551	473	551	320	294	181	223	134	226	181	267	12167
64651	65016	2077	2078	6	45	50	100	192	219	407	413	494	401	338	559	377	704	418	510	811	688	757	642	648	552	475	553	322	295	181	224	135	227	182	268	12189
65016	65381	2078	2079	6	45	50	100	192	219	407	413	494	401	338	560	378	705	418	510	812	689	758	643	650	553	476	555	323	296	182	224	135	227	183	268	12211
65381	65746	2079	2080	6	45	50	100	192	219	407	413	495	402	338	561	378	706	419	511	813	690	759	644	651	555	477	557	324	297	183	225	135	228	183	269	12232
65746	66112	2080	2081	6	45	50	100	192	220	407	413	495	402	339	561	379	707	420	512	814	691	760	645	652	556	478	558	325	298	183	226	136	229	184	270	12252
66112	66477	2081	2082	6	45	50	100	192	220	408	414	495	403	339	562	379	708	420	513	815	692	761	646	653	557	479	560	326	299	184	226	136	229	185	271	12272
66477	66842	2082	2083	6	45	50	100	192	220	408	414	496	403	340	563	380	709	421	513	816	693	762	647	654	558	480	561	327	299	184	227	136	230	185	272	12291
66842	67207	2083	2084	6	45	50	100	192	220	408	414	496	403	340	563	380	709	421	514	817	693	763	648	655	559	481	563	328	300	185	227	137	231	186	272	12310
67207	67573	2084	2085	6	45	50	100	193	220	408	414	497	404	340	564	381	710	422	515	818	694	764	649	656	560	482	564	329	301	185	228	137	231	186	273	12328
67573	67938	2085	2086	6	45	51	101	193	220	409	415	497	404	340	565	381	711	422	515	819	695	764	650	657	561	483	566	330	302	185	228	137	232	187	274	12346
67938	68303	2086	2087	6	45	51	101	193	220	409	415	497	404	341	565	382	712	423	516	820	696	765	651	658	562	484	567	331	302	186	229	137	232	188	274	12363
68303	68668	2087	2088	6	45	51	101	193	220	409	415	498	405	341	566	382	713	423	517	821	697	766	651	659	563	485	568	332	303	186	229	138	233	188	275	12380
68668	69034	2088	2089	6	45	51	101	193	221	409	415	498	405	341	566	383	713	424	517	822	697	767	652	660	564	486	570	333	304	187	230	138	234	189	276	12396
69034	69399	2089	2090	6	46	51	101	193	221	410	416	498	405	342	567	383	714	424	518	823	698	768	653	661	565	487	571	334	304	187	230	138	234	189	276	12412
69399	69764	2090	2091	6	46	51	101	193	221	410	416	499	406	342	568	384	715	424	518	824	699	769	654	662	566	488	572	335	305	187	231	139	235	190	277	12428
69764	70129	2091	2092	6	46	51	101	193	221	410	416	499	406	342	568	384	715	425	519	824	699	769	654	662	567	489	573	335	306	188	231	139	235	190	277	12443
70129	70495	2092	2093	6	46	51	101	194	221	410	416	499	406	342	569	385	716	425	519	825	700	770	655	663	567	489	575	336	306	188	232	139	236	191	278	12458
70495	70860	2093	2094	6	46	51	101	194	221	411	417	500	407	343	569	385	717	426	520	826	701	771	656	664	568	490	576	337	307	189	232	139	236	191	279	12472
70860	71225	2094	2095	6	46	51	101	194	221	411	417	500	407	343	570	385	717	426	521	827	701	771	656	665	569	491	577	338	307	189	233	140	237	192	279	12486
71225	71590	2095	2096	6	46	51	102	194	221	411	417	500	407	343	570	386	718	426	521	828	702	772	657	666	570	492	578	338	308	189	233	140	237	192	280	12500
71590	71956	2096	2097	6	46	51	102	194	222	411	417	501	407	343	571	386	718	427	522	828	703	773	657	666	570	493	579	339	308	189	233	140	238	193	280	12514
71956	72321	2097	2098	6	46	51	102	194	222	411	417	501	408	344	571	387	719	427	522	829	703	773	658	667	571	493	580	340	309	190	234	140	238	193	281	12527
72321	72686	2098	2099	6	46	51	102	194	222	412	418	501	408	344	572	387	720	427	522	830	704	774	659	668	572	494	581	340	309	190	234	140	239	193	281	12540
72686	73051	2099	2100	6	46	51	102	194	222	412	418	501	408	344	572	387	720	428	523	830	704	775	659	668	573	495	582	341	310	190	235	141	239	194	282	12552
73051	73416	2100	2101	6	46	51	102	194	222	412	418	502	409	344	572	388	721	428	523	831	705	775	660	669	573	495	583	342	310	191	235	141	239	194	282	12564
73416	73781	2101	2102	6	46	51	102	195	222	412	418	502	409	345	573	388	721	428	524	832	705	776	660	669	574	496	584	342	311	191	235	141	240	195	283	12576
73781	74146	2102	2103	6	46	51	102	195	222	412	418	502	409	345	573	388	722	429	524	832	706	776	661	670	574	497	585	343	311	191	236	141	240	195	283	12588
74146	74511	2103	2104	6	46	52	102	195	222	413	419	503	409	345	574	389	722	429	525	833	707	777	661	671	575	497	586	343	312	191	236	141	241	195	284	12600
74511	74877	2104	2105	6	46	52	102	195	223	413	419	503	410	345	574	389	723	429	525	833	707	777	662	671	576	498	587	344	312	192	236	142	241	196	284	12611
74877	75242	2105	2106	6	46	52	103	195	223	413	419	503	410	345	575	389	723	430	525	834	708	778	662	672	576	498	588	345	312	192	236	142	241	196	285	12622
75242	75607	2106	2107	6	46	52	103	195	223	413	419	503	410	346	575	390	724	430	526	835	708	779	663	672	577	499	588	345	313	192	237	142	242	196	285	12633
75607	75972	2107	2108	6	46	52	103	195	223	413	419	504	410	346	575	390	724	430	526	835	708	779	663	673	577	500	589	346	313	192	237	142	242	197	286	12643
75972	76338	2108	2109	6	46	52	103	195	223	413	420	504	410	346	576	390	725	431	527	836	709	780	663	673	578	500	590	346	314	193	237	142	243	197	286	12653
76338	76703	2109	2110	6	46	52	103	195	223	414	420	504	411	346	576	390	725	431	527	836	709	780	664	674	579	501	591	347	314	193	238	143	243	198	286	12663
76703	77068	2110	2111	6	46	52	103	195	223	414	420	504	411	346	577	391	726	431	527	837	710	780	664	674	579	501	592	347	314	193	238	143	243	198	287	12673
77068	77433	2111	2112	6	46	52	103	196	223	414	420	505	411	347	577	391	726	431	528	837	710	781	665	675	580	502	592	348	315	193	238	143	244	198	287	12683
77433	77799	2112	2113	6	47	52	103	196	223	414	420	505	411	347	577	391	727	432	528	838	711	781	665	675	580	502	593	348	315	193	238	143	244	198	288	12693
77799	78164	2113	2114	6	47	52	103	196	223	414	420	505	412	347	578	392	727	432	528	838	711	782	666	676	581	503	594	349	315	194	239	143	244	199	288	12702

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S4)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33604	1991	1992	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33604	33970	1992	1993	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33970	34335	1993	1994	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.7	7.7	7.8	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	192.9
34335	34700	1994	1995	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.8	7.7	7.9	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	193.2
34700	35065	1995	1996	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.3	8.6	8.8	7.8	8.1	3.9	3.4	1.5	2.3	1.3	1.9	1.5	3.6	193.6
35065	35431	1996	1997	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.3	8.7	8.8	7.8	8.1	4.0	3.5	1.5	2.3	1.3	1.9	1.5	3.6	193.8
35431	35796	1997	1998	0.0	0.6	0.7	1.7	3.4	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.8	8.2	4.0	3.5	1.5	2.3	1.3	1.9	1.5	3.6	194.3
35796	36161	1998	1999	0.1	0.6	0.8	1.7	3.5	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.8	8.2	4.0	3.5	1.5	2.3	1.3	1.9	1.5	3.6	194.6
36161	36526	1999	2000	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.5	4.1	3.5	1.5	2.3	1.3	1.9	1.5	3.6	195.4
36526	36892	2000	2001	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.5	4.1	3.5	1.5	2.4	1.3	1.9	1.5	3.6	195.6
36892	37257	2001	2002	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	1.9	1.5	3.6	195.7
37257	37622	2002	2003	0.1	0.7	0.8	1.8	3.5	4.0	9.0	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	1.9	1.5	3.6	196.1
37622	37987	2003	2004	0.1	0.7	0.9	1.8	3.5	4.1	9.1	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	196.5
37987	38353	2004	2005	0.1	0.7	0.9	1.8	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	196.7
38353	38718	2005	2006	0.1	0.7	0.9	1.9	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	196.9
38718	39083	2006	2007	0.1	0.7	0.9	1.9	3.6	4.1	9.3	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	197.0
39083	39448	2007	2008	0.1	0.7	0.9	1.9	3.6	4.1	9.3	8.9	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.7	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	197.4
39448	39814	2008	2009	0.1	0.7	0.9	1.9	3.6	4.2	9.3	9.0	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.7	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	197.8
39814	40179	2009	2010	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	198.1
40179	40544	2010	2011	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.8	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	198.3
40544	40909	2011	2012	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.8	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	198.4
40909	41275	2012	2013	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	11.9	9.7	8.9	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.2	1.8	3.7	199.6
41275	41640	2013	2014	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.0	9.9	9.0	9.0	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.3	1.9	3.7	200.6
41640	42005	2014	2015	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.1	9.9	9.0	9.0	7.9	8.6	4.1	3.5	1.5	2.4	1.5	2.5	2.0	3.7	201.2
42005	42370	2015	2016	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.6	11.5	12.1	10.0	9.0	9.0	7.9	8.6	4.1	3.5	1.5	2.5	1.5	2.5	2.1	3.8	201.8
42370	42736	2016	2017	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.3	8.0	13.7	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.1	3.5	1.5	2.5	1.5	2.6	2.1	3.8	202.3
42736	43101	2017	2018	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.4	8.0	13.7	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.1	3.5	1.5	2.5	1.5	2.6	2.2	3.8	202.6
43101	43466	2018	2019	0.1	0.7	0.9	1.9	3.6	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.4	8.0	13.8	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	202.8
43466	43831	2019	2020	0.1	0.7	0.9	1.9	3.6	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	203.0
43831	44197	2020	2021	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.1	9.1	9.0	8.0	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	203.2
44197	44562	2021	2022	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.1	9.1	9.1	8.0	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	203.5
44562	44927	2022	2023	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.2	10.1	9.1	9.1	8.0	8.6	4.2	3.5	1.5	2.6	1.6	2.7	2.2	3.8	203.7
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

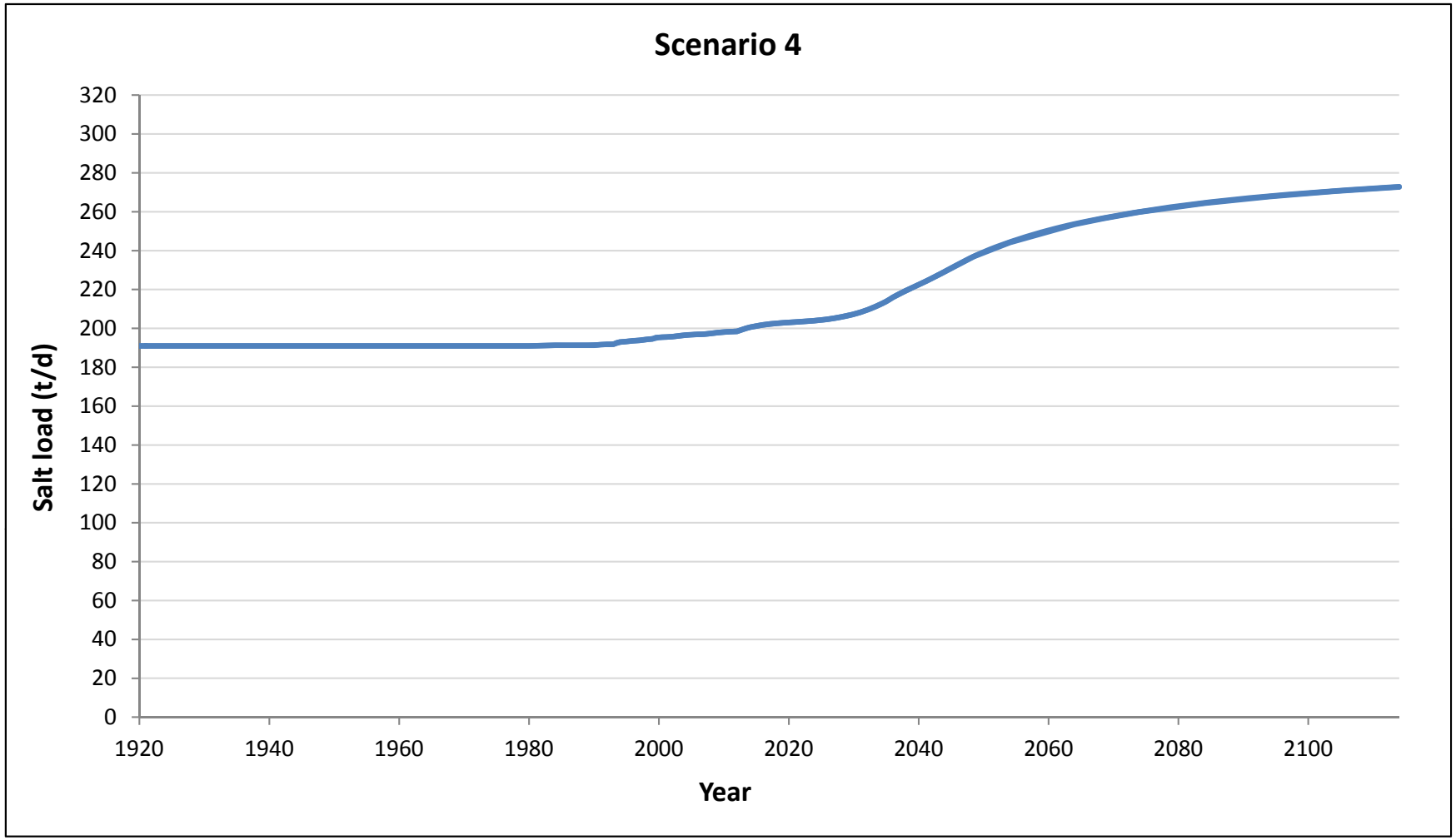
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S4)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.3	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.7	2.2	3.8	204.0
45292	45658	2024	2025	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.1	14.0	11.7	12.3	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.8	2.2	3.8	204.4
45658	46023	2025	2026	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.5	8.2	14.0	11.8	12.3	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.8	2.2	3.8	204.7
46023	46388	2026	2027	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.6	7.5	8.3	14.1	11.8	12.4	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.8	2.2	3.8	205.2
46388	46753	2027	2028	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.6	7.6	8.4	14.3	11.9	12.4	10.2	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.7	2.8	2.2	3.8	205.8
46753	47119	2028	2029	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.3	12.7	7.6	8.4	14.4	12.0	12.5	10.2	9.2	9.2	8.0	8.6	4.2	3.5	1.6	2.6	1.7	2.8	2.2	3.8	206.5
47119	47484	2029	2030	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.2	6.3	12.8	7.7	8.5	14.5	12.0	12.5	10.2	9.2	9.2	8.0	8.6	4.2	3.5	1.6	2.7	1.7	2.8	2.2	3.8	207.3
47484	47849	2030	2031	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.2	6.3	12.8	7.7	8.6	14.6	12.2	12.6	10.3	9.3	9.2	8.0	8.7	4.2	3.5	1.6	2.8	1.7	2.9	2.3	3.9	208.3
47849	48214	2031	2032	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.2	6.3	12.9	7.8	8.7	14.7	12.4	12.8	10.3	9.3	9.2	8.0	8.7	4.2	3.6	1.7	2.8	1.8	2.9	2.3	3.9	209.3
48214	48580	2032	2033	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.2	6.4	13.0	7.9	8.7	14.9	12.5	12.9	10.4	9.4	9.3	8.1	8.7	4.2	3.6	1.7	2.9	1.8	3.0	2.4	3.9	210.8
48580	48945	2033	2034	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.2	6.4	13.1	7.9	8.8	15.0	12.6	13.0	10.5	9.4	9.3	8.1	8.8	4.2	3.6	1.7	2.9	1.9	3.1	2.4	4.0	212.2
48945	49310	2034	2035	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.6	9.3	6.4	13.2	8.0	8.9	15.2	12.8	13.1	10.5	9.4	9.4	8.2	8.9	4.3	3.6	1.8	3.0	1.9	3.2	2.5	4.0	213.8
49310	49675	2035	2036	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.3	6.5	13.3	8.1	9.0	15.3	12.9	13.3	10.8	9.7	9.5	8.4	9.0	4.3	3.7	1.8	3.1	1.9	3.2	2.5	4.0	215.9
49675	50041	2036	2037	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.3	6.5	13.4	8.1	9.1	15.5	13.1	13.4	11.0	9.9	9.6	8.5	9.1	4.3	3.7	1.9	3.2	2.0	3.3	2.6	4.1	217.7
50041	50406	2037	2038	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.4	6.5	13.4	8.2	9.2	15.7	13.2	13.5	11.1	10.1	9.7	8.6	9.2	4.4	3.7	2.0	3.3	2.0	3.3	2.6	4.1	219.4
50406	50771	2038	2039	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.4	6.6	13.5	8.2	9.3	15.8	13.3	13.7	11.2	10.2	9.8	8.6	9.3	4.4	3.8	2.0	3.3	2.0	3.4	2.6	4.2	220.9
50771	51136	2039	2040	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.4	6.6	13.6	8.3	9.3	15.9	13.4	13.8	11.3	10.2	9.9	8.7	9.3	4.4	3.9	2.1	3.4	2.1	3.4	2.7	4.2	222.5
51136	51502	2040	2041	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.8	9.4	6.6	13.7	8.4	9.4	16.1	13.5	13.9	11.4	10.3	10.0	8.8	9.4	4.5	3.9	2.1	3.5	2.1	3.5	2.7	4.3	224.1
51502	51867	2041	2042	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	11.0	8.4	6.8	9.5	6.7	13.8	8.4	9.5	16.2	13.6	14.0	11.4	10.4	10.1	8.9	9.5	4.6	4.0	2.2	3.6	2.1	3.5	2.8	4.4	225.7
51867	52232	2042	2043	0.1	0.7	0.9	1.9	3.7	4.3	9.7	9.3	11.0	8.4	6.8	9.5	6.7	13.9	8.5	9.6	16.3	13.7	14.1	11.5	10.6	10.2	8.9	9.6	4.6	4.1	2.3	3.6	2.2	3.6	2.9	4.4	227.4
52232	52597	2043	2044	0.1	0.7	0.9	1.9	3.7	4.3	9.7	9.3	11.0	8.4	6.8	9.5	6.7	14.0	8.6	9.7	16.4	13.8	14.2	11.6	10.7	10.3	9.0	9.7	4.7	4.1	2.3	3.7	2.2	3.6	2.9	4.5	229.1
52597	52963	2044	2045	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.0	8.4	6.8	9.6	6.8	14.0	8.6	9.8	16.5	13.9	14.3	11.8	10.9	10.4	9.1	9.8	4.8	4.2	2.4	3.8	2.2	3.7	3.0	4.5	231.0
52963	53328	2045	2046	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.0	8.4	6.9	9.6	6.8	14.1	8.7	9.8	16.7	14.0	14.4	12.0	11.2	10.6	9.2	10.0	4.8	4.3	2.4	3.8	2.2	3.7	3.0	4.6	232.8
53328	53693	2046	2047	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.0	8.5	6.9	9.6	6.8	14.2	8.7	9.9	16.7	14.1	14.5	12.1	11.4	10.7	9.3	10.1	4.9	4.4	2.5	3.9	2.3	3.8	3.1	4.7	234.6
53693	54058	2047	2048	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.7	6.9	14.2	8.8	10.0	16.8	14.2	14.6	12.3	11.6	10.8	9.4	10.2	5.0	4.4	2.5	3.9	2.3	3.8	3.1	4.7	236.3
54058	54424	2048	2049	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.7	6.9	14.3	8.8	10.0	16.9	14.3	14.7	12.4	11.7	10.9	9.5	10.3	5.1	4.5	2.6	4.0	2.3	3.9	3.1	4.8	237.8
54424	54789	2049	2050	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.7	6.9	14.4	8.9	10.1	17.0	14.3	14.8	12.5	11.8	11.1	9.5	10.4	5.1	4.6	2.6	4.0	2.3	3.9	3.2	4.9	239.3
54789	55154	2050	2051	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.7	7.0	14.4	8.9	10.1	17.1	14.4	14.9	12.6	12.0	11.1	9.6	10.5	5.2	4.6	2.6	4.1	2.4	3.9	3.2	4.9	240.6
55154	55519	2051	2052	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	7.0	9.8	7.0	14.5	8.9	10.2	17.2	14.5	15.0	12.7	12.1	11.2	9.7	10.6	5.3	4.7	2.7	4.1	2.4	4.0	3.3	5.0	241.9
55519	55885	2052	2053	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.4	11.1	8.6	7.0	9.8	7.0	14.5	9.0	10.2	17.2	14.5	15.1	12.7	12.2	11.3	9.7	10.7	5.3	4.7	2.7	4.2	2.4	4.0	3.3	5.0	243.2
55885	56250	2053	2054	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.4	11.1	8.6	7.0	9.8	7.0	14.6	9.0	10.2	17.3	14.6	15.1	12.8	12.2	11.4	9.8	10.8	5.4	4.8	2.7	4.2	2.4	4.0	3.3	5.0	244.3
56250	56615	2054	2055	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.0	9.8	7.1	14.6	9.0	10.3	17.4	14.7	15.2	12.9	12.3	11.5	9.9	10.9	5.4	4.9	2.8	4.2	2.4	4.1	3.4	5.1	245.4
56615	56980	2055	2056	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.0	9.9	7.1	14.7	9.1	10.3	17.4	14.7	15.3	12.9	12.4	11.6	9.9	11.0	5.5	4.9	2.8	4.3	2.5	4.1	3.4	5.1	246.5
56980	57346	2056	2057	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.0	9.9	7.1	14.7	9.1	10.4	17.5	14.8	15.3	13.0	12.5	11.7	10.0	11.1	5.6	4.9	2.8	4.3	2.5	4.1	3.4	5.2	247.6
57346	57711	2057	2058	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.0	9.9	7.1	14.7	9.1	10.4	17.6	14.8	15.4	13.1	12.6	11.7	10.1	11.2	5.6	5.0	2.9	4.4	2.5	4.2	3.4	5.2	248.6
57711	58076	2058	2059	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.1	9.9	7.1	14.8	9.1	10.4	17.6	14.9	15.4	13.1	12.7	11.8	10.1	11.2	5.7	5.0	2.9	4.4	2.5	4.2	3.5	5.2	249.5
58076	58441	2059	2060	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.7	7.1	10.0	7.2	14.8	9.2	10.5	17.7	14.9	15.5	13.2	12.7	11.9	10.2	11.3	5.7	5.1	2.9	4.4	2.5	4.2	3.5	5.3	250.4
58441	58807	2060	2061	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.7	7.1	10.0	7.2	14.9	9.2	10.5	17.7	15.0	15.5	13.2	12.8	11.9	10.2	11.4	5.7	5.1	2.9	4.4	2.5	4.2	3.5	5.3	251.3
58807	59172	2061	2062	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.3	8.7	7.1	10.0	7.2	14.9	9.2	10.5	17.8	15.0	15.6	13.3	12.9	12.0	10.3	11.5	5.8	5.2	2.9	4.5	2.6	4.3	3.5	5.3	252.1
59172	59537	2062	2063	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.4	11.3	8.7	7.1	10.0	7.2	14.9	9.2	10.6	17.8	15.1	15.6	13.3	12.9	12.0	10.3	11.5	5.8	5.2	3.0	4.5	2.6	4.3	3.6	5.3	252.9
59537	59902	2063	2064	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.3	8.7	7.1	10.0	7.2	15.0	9.3	10.6	17.9	15.1	15.7	13.4	13.0	12.1	10.4	11.6	5.9	5.2	3.0	4.5	2.6	4.3	3.6	5.4	253.7
59902	60268	2064	2065	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.3	8.7	7.1	10.1	7.3	15.0	9.3	10.6	17.9	15.1	15.7	13.4	13.0	12.1	10.4	11.7	5.9	5.3	3.0	4.5	2.6	4.3	3.6	5.4	254.4
60268	60633	2065	2066	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.3	8.7	7.1	10.1	7.3	15.0	9.3	10.6	17.9	15.2	15.8	13.4	13.0	12.2	10.4	11.7	6.0	5.3	3.0	4.6	2.6	4.4	3.6	5.4	255.2
60633	60998	2066	2067	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.3	8.7	7.1	10.1	7.3	15.1	9.3	10.7	18.0	15.2	15.8	13.5	13.1	12.2	10.5	11.8	6.0	5.3	3.0	4.6	2.6	4.4	3.7	5.4	255.8
60998	61363	2067	2068	0.1	0.8	0.9	2.0	3.7	4.3	9.9	9.5	11.3	8.8	7.2	10.1	7.3	15.1	9.3	10.7	18.0	15.2	15.8	13.5	13.1	12.3	10.5	11.8	6.0	5.3	3.1	4.6	2.6	4.4	3.7	5.5	256.5
61363	61729	2068	2069	0.1	0.8	0.9	2.0	3.7	4.4	9.9	9.5	11.3	8.8	7.2	10.1	7.3	15.1	9.4	10.7	18.1	15.3	15.9	13.5	13.2	12.3	10.6	11.9	6.1	5.4	3.1	4.6	2.6	4.4	3.7	5.5	257.1
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S4)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.1	0.8	0.9	2.0	3.7	4.4	9.9	9.5	11.4	8.8	7.2	10.1	7.3	15.2	9.4	10.7	18.1	15.3	15.9	13.6	13.2	12.3	10.6	11.9	6.1	5.4	3.1	4.6	2.6	4.4	3.7	5.5	257.7
62094	62459	2070	2071	0.1	0.8	0.9	2.0	3.7	4.4	9.9	9.5	11.4	8.8	7.2	10.2	7.3	15.2	9.4	10.8	18.1	15.3	15.9	13.6	13.2	12.4	10.6	12.0	6.1	5.4	3.1	4.7	2.6	4.4	3.7	5.5	258.3
62459	62824	2071	2072	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.4	8.8	7.2	10.2	7.4	15.2	9.4	10.8	18.2	15.4	16.0	13.6	13.3	12.4	10.7	12.0	6.1	5.4	3.1	4.7	2.7	4.5	3.7	5.6	258.9
62824	63190	2072	2073	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.4	8.8	7.2	10.2	7.4	15.2	9.4	10.8	18.2	15.4	16.0	13.7	13.3	12.4	10.7	12.1	6.2	5.5	3.1	4.7	2.7	4.5	3.8	5.6	259.4
63190	63555	2073	2074	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.4	8.8	7.2	10.2	7.4	15.3	9.5	10.8	18.2	15.4	16.0	13.7	13.3	12.5	10.7	12.1	6.2	5.5	3.1	4.7	2.7	4.5	3.8	5.6	260.0
63555	63920	2074	2075	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.4	8.8	7.2	10.2	7.4	15.3	9.5	10.8	18.3	15.4	16.0	13.7	13.4	12.5	10.7	12.2	6.2	5.5	3.2	4.7	2.7	4.5	3.8	5.6	260.5
63920	64285	2075	2076	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.4	8.8	7.2	10.2	7.4	15.3	9.5	10.9	18.3	15.5	16.1	13.7	13.4	12.5	10.8	12.2	6.3	5.5	3.2	4.8	2.7	4.5	3.8	5.6	261.0
64285	64651	2076	2077	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.4	8.8	7.2	10.2	7.4	15.3	9.5	10.9	18.3	15.5	16.1	13.8	13.4	12.6	10.8	12.2	6.3	5.6	3.2	4.8	2.7	4.5	3.8	5.6	261.5
64651	65016	2077	2078	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.4	8.9	7.2	10.3	7.4	15.3	9.5	10.9	18.3	15.5	16.1	13.8	13.5	12.6	10.8	12.3	6.3	5.6	3.2	4.8	2.7	4.6	3.8	5.7	262.0
65016	65381	2078	2079	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	8.9	7.3	10.3	7.4	15.4	9.5	10.9	18.4	15.5	16.1	13.8	13.5	12.6	10.9	12.3	6.3	5.6	3.2	4.8	2.7	4.6	3.9	5.7	262.4
65381	65746	2079	2080	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	8.9	7.3	10.3	7.5	15.4	9.5	10.9	18.4	15.6	16.2	13.8	13.5	12.7	10.9	12.4	6.3	5.6	3.2	4.8	2.7	4.6	3.9	5.7	262.9
65746	66112	2080	2081	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	8.9	7.3	10.3	7.5	15.4	9.5	10.9	18.4	15.6	16.2	13.8	13.5	12.7	10.9	12.4	6.4	5.6	3.2	4.8	2.7	4.6	3.9	5.7	263.3
66112	66477	2081	2082	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.3	7.5	15.4	9.6	11.0	18.4	15.6	16.2	13.9	13.6	12.7	10.9	12.4	6.4	5.6	3.2	4.8	2.7	4.6	3.9	5.7	263.7
66477	66842	2082	2083	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.3	7.5	15.4	9.6	11.0	18.5	15.6	16.2	13.9	13.6	12.7	11.0	12.5	6.4	5.7	3.2	4.8	2.7	4.6	3.9	5.7	264.1
66842	67207	2083	2084	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.3	7.5	15.5	9.6	11.0	18.5	15.6	16.3	13.9	13.6	12.8	11.0	12.5	6.4	5.7	3.2	4.9	2.7	4.6	3.9	5.8	264.5
67207	67573	2084	2085	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.3	7.5	15.5	9.6	11.0	18.5	15.7	16.3	13.9	13.6	12.8	11.0	12.5	6.4	5.7	3.2	4.9	2.8	4.7	3.9	5.8	264.9
67573	67938	2085	2086	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.4	7.5	15.5	9.6	11.0	18.5	15.7	16.3	13.9	13.6	12.8	11.0	12.6	6.5	5.7	3.3	4.9	2.8	4.7	3.9	5.8	265.3
67938	68303	2086	2087	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.4	7.5	15.5	9.6	11.0	18.6	15.7	16.3	14.0	13.7	12.8	11.1	12.6	6.5	5.7	3.3	4.9	2.8	4.7	4.0	5.8	265.7
68303	68668	2087	2088	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.4	7.5	15.5	9.6	11.0	18.6	15.7	16.3	14.0	13.7	12.9	11.1	12.6	6.5	5.7	3.3	4.9	2.8	4.7	4.0	5.8	266.0
68668	69034	2088	2089	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.4	7.5	15.5	9.6	11.1	18.6	15.7	16.3	14.0	13.7	12.9	11.1	12.7	6.5	5.7	3.3	4.9	2.8	4.7	4.0	5.8	266.4
69034	69399	2089	2090	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.6	11.5	8.9	7.3	10.4	7.6	15.6	9.6	11.1	18.6	15.7	16.4	14.0	13.7	12.9	11.1	12.7	6.5	5.7	3.3	4.9	2.8	4.7	4.0	5.8	266.7
69399	69764	2090	2091	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.6	11.6	9.0	7.3	10.4	7.6	15.6	9.7	11.1	18.6	15.8	16.4	14.0	13.7	12.9	11.1	12.7	6.6	5.8	3.3	4.9	2.8	4.7	4.0	5.9	267.0
69764	70129	2091	2092	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.6	11.6	9.0	7.3	10.4	7.6	15.6	9.7	11.1	18.6	15.8	16.4	14.0	13.7	12.9	11.2	12.7	6.6	5.8	3.3	4.9	2.8	4.7	4.0	5.9	267.4
70129	70495	2092	2093	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.6	11.6	9.0	7.3	10.4	7.6	15.6	9.7	11.1	18.7	15.8	16.4	14.0	13.8	13.0	11.2	12.8	6.6	5.8	3.3	5.0	2.8	4.7	4.0	5.9	267.7
70495	70860	2093	2094	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.6	9.0	7.3	10.4	7.6	15.6	9.7	11.1	18.7	15.8	16.4	14.1	13.8	13.0	11.2	12.8	6.6	5.8	3.3	5.0	2.8	4.8	4.0	5.9	268.0
70860	71225	2094	2095	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.6	9.0	7.4	10.4	7.6	15.6	9.7	11.1	18.7	15.8	16.4	14.1	13.8	13.0	11.2	12.8	6.6	5.8	3.3	5.0	2.8	4.8	4.0	5.9	268.3
71225	71590	2095	2096	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.6	9.0	7.4	10.5	7.6	15.6	9.7	11.1	18.7	15.8	16.5	14.1	13.8	13.0	11.2	12.8	6.6	5.8	3.3	5.0	2.8	4.8	4.1	5.9	268.6
71590	71956	2096	2097	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.6	9.0	7.4	10.5	7.6	15.7	9.7	11.1	18.7	15.8	16.5	14.1	13.8	13.0	11.2	12.9	6.6	5.8	3.3	5.0	2.8	4.8	4.1	5.9	268.9
71956	72321	2097	2098	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.6	9.0	7.4	10.5	7.6	15.7	9.7	11.2	18.8	15.9	16.5	14.1	13.8	13.0	11.3	12.9	6.7	5.8	3.3	5.0	2.8	4.8	4.1	5.9	269.2
72321	72686	2098	2099	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.6	9.0	7.4	10.5	7.6	15.7	9.7	11.2	18.8	15.9	16.5	14.1	13.9	13.1	11.3	12.9	6.7	5.8	3.3	5.0	2.8	4.8	4.1	6.0	269.4
72686	73051	2099	2100	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.6	9.0	7.4	10.5	7.6	15.7	9.7	11.2	18.8	15.9	16.5	14.1	13.9	13.1	11.3	12.9	6.7	5.9	3.3	5.0	2.8	4.8	4.1	6.0	269.7
73051	73416	2100	2101	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.6	9.0	7.4	10.5	7.6	15.7	9.7	11.2	18.8	15.9	16.5	14.1	13.9	13.1	11.3	12.9	6.7	5.9	3.3	5.0	2.8	4.8	4.1	6.0	270.0
73416	73781	2101	2102	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.6	9.0	7.4	10.5	7.6	15.7	9.8	11.2	18.8	15.9	16.5	14.2	13.9	13.1	11.3	13.0	6.7	5.9	3.4	5.0	2.8	4.8	4.1	6.0	270.2
73781	74146	2102	2103	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.6	9.0	7.4	10.5	7.7	15.7	9.8	11.2	18.8	15.9	16.5	14.2	13.9	13.1	11.3	13.0	6.7	5.9	3.4	5.0	2.8	4.8	4.1	6.0	270.5
74146	74511	2103	2104	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.6	9.0	7.4	10.5	7.7	15.7	9.8	11.2	18.8	15.9	16.6	14.2	13.9	13.1	11.4	13.0	6.7	5.9	3.4	5.0	2.8	4.8	4.1	6.0	270.7
74511	74877	2104	2105	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.7	9.0	7.4	10.5	7.7	15.8	9.8	11.2	18.9	15.9	16.6	14.2	13.9	13.1	11.4	13.0	6.7	5.9	3.4	5.0	2.9	4.9	4.1	6.0	270.9
74877	75242	2105	2106	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.0	7.4	10.5	7.7	15.8	9.8	11.2	18.9	16.0	16.6	14.2	13.9	13.2	11.4	13.0	6.7	5.9	3.4	5.1	2.9	4.9	4.1	6.0	271.2
75242	75607	2106	2107	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.0	7.4	10.5	7.7	15.8	9.8	11.2	18.9	16.0	16.6	14.2	14.0	13.2	11.4	13.1	6.8	5.9	3.4	5.1	2.9	4.9	4.1	6.0	271.4
75607	75972	2107	2108	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.2	18.9	16.0	16.6	14.2	14.0	13.2	11.4	13.1	6.8	5.9	3.4	5.1	2.9	4.9	4.2	6.0	271.6
75972	76338	2108	2109	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.3	18.9	16.0	16.6	14.2	14.0	13.2	11.4	13.1	6.8	5.9	3.4	5.1	2.9	4.9	4.2	6.1	271.9
76338	76703	2109	2110	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.3	18.9	16.0	16.6	14.2	14.0	13.2	11.4	13.1	6.8	5.9	3.4	5.1	2.9	4.9	4.2	6.1	272.1
76703	77068	2110	2111	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.3	18.9	16.0	16.6	14.2	14.0	13.2	11.4	13.1	6.8	5.9	3.4	5.1	2.9	4.9	4.2	6.1	272.3
77068	77433	2111	2112	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.3	18.9	16.0	16.6	14.3	14.0	13.2	11.5	13.2	6.8	5.9	3.4	5.1	2.9	4.9	4.2	6.1	272.5
77433	77799	2112	2113	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.3	19.0	16.0	16.6	14.3	14.0	13.2	11.5	13.2	6.8	6.0	3.4	5.1	2.9	4.9	4.2	6.1	272.7
77799	78164	2113	2114	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.7	9.1	7.4	10.6	7.7	15.8	9.8	11.3	19.0	16.0	16.7	14.3	14.0	13.3	11.5	13.2	6.8	6.0	3.4	5.1	2.9	4.9	4.2	6.1	272.9
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S4)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8874
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32143	32509	1988	1989	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32509	32874	1989	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8892
33239	33604	1991	1992	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	181	85	104	64	93	70	169	8898
33604	33970	1992	1993	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	198	182	85	105	64	94	70	169	8901
33970	34335	1993	1994	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	431	414	380	335	351	199	182	85	105	65	94	70	169	8950
34335	34700	1994	1995	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	431	416	384	338	354	200	182	85	105	65	94	70	169	8962
34700	35065	1995	1996	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	500	542	431	417	386	341	363	201	182	86	105	65	94	70	169	8981
35065	35431	1996	1997	1	31	38	84	174	188	358	375	453	365	303	494	313	569	321	370	593	500	542	432	417	387	342	366	203	183	86	105	65	94	70	169	8990
35431	35796	1997	1998	2	34	40	85	175	193	361	376	453	365	303	494	313	569	321	370	593	500	542	432	418	388	343	368	203	183	86	105	65	94	70	169	9012
35796	36161	1998	1999	3	37	42	86	176	195	362	376	453	365	303	494	313	569	321	370	593	500	542	432	418	389	344	368	204	183	86	106	65	94	70	169	9028
36161	36526	1999	2000	4	39	43	87	177	196	363	376	453	365	303	494	313	569	321	370	593	500	542	432	419	390	346	384	210	184	86	110	65	94	70	169	9066
36526	36892	2000	2001	4	40	44	88	177	196	364	376	453	365	303	494	313	569	321	370	593	500	542	432	419	390	346	385	210	184	86	110	65	95	70	169	9075
36892	37257	2001	2002	5	41	44	89	178	197	364	376	453	365	303	494	313	569	321	370	593	500	542	432	419	390	347	385	211	184	86	110	66	96	71	169	9082
37257	37622	2002	2003	5	41	45	90	179	201	370	378	453	365	303	494	313	569	321	370	593	500	542	432	419	390	347	385	211	184	86	110	66	97	71	170	9100
37622	37987	2003	2004	5	41	45	90	180	203	375	379	454	365	303	494	313	569	321	370	596	501	543	432	419	391	347	386	211	184	86	111	66	97	71	170	9119
37987	38353	2004	2005	5	42	46	91	181	205	377	380	454	365	303	494	313	569	321	370	597	502	543	432	420	391	347	386	211	184	86	111	67	98	72	170	9129
38353	38718	2005	2006	5	42	46	91	182	206	378	381	454	366	303	494	313	569	321	370	597	502	543	432	420	391	347	386	211	184	86	111	67	98	72	170	9137
38718	39083	2006	2007	5	42	46	92	182	207	379	381	455	366	303	494	313	569	321	370	597	502	543	432	420	391	347	386	211	184	86	111	67	98	72	170	9142
39083	39448	2007	2008	5	42	46	92	183	207	381	384	457	366	303	494	313	569	321	370	597	503	547	434	420	391	347	386	211	184	86	111	67	99	72	170	9160
39448	39814	2008	2009	5	42	46	93	183	208	382	387	459	367	303	494	313	569	322	370	597	505	550	436	421	391	347	386	211	185	86	111	67	99	72	170	9178
39814	40179	2009	2010	5	42	46	93	184	208	383	389	461	367	303	495	313	570	322	370	598	506	552	437	421	391	347	386	211	185	86	111	67	99	72	170	9190
40179	40544	2010	2011	5	42	47	93	184	209	384	390	462	368	304	495	313	570	322	370	598	506	553	438	422	391	347	386	212	185	86	111	67	99	72	170	9200
40544	40909	2011	2012	5	42	47	93	184	209	385	391	462	368	304	495	313	570	322	370	598	507	554	438	422	392	347	386	212	185	86	112	67	99	72	170	9207
40909	41275	2012	2013	5	43	47	93	184	209	386	391	463	368	304	495	313	570	322	370	598	508	560	452	427	392	347	386	212	185	87	112	69	107	84	173	9262
41275	41640	2013	2014	5	43	47	94	185	210	386	392	464	369	304	495	313	570	322	370	599	509	565	459	432	393	347	386	212	185	87	113	71	116	92	175	9307
41640	42005	2014	2015	5	43	47	94	185	210	387	392	464	369	304	495	313	570	322	370	599	510	567	463	434	394	348	387	212	185	87	114	73	122	97	177	9337
42005	42370	2015	2016	5	43	47	94	185	210	389	393	464	369	304	495	313	570	322	372	602	511	569	465	436	394	348	387	212	185	87	115	75	126	100	177	9365
42370	42736	2016	2017	5	43	47	94	185	211	390	393	465	369	304	495	313	571	323	373	605	513	571	466	437	395	348	387	212	185	87	116	76	129	101	178	9387
42736	43101	2017	2018	5	43	47	94	185	211	391	394	465	370	305	495	313	571	323	374	607	514	572	467	438	395	348	387	212	185	87	117	77	131	102	178	9402
43101	43466	2018	2019	5	43	47	94	186	211	391	394	465	370	305	496	313	571	323	374	608	515	572	468	438	395	348	387	212	185	88	117	77	132	103	179	9414
43466	43831	2019	2020	5	43	47	94	186	212	392	394	465	370	305	496	313	572	324	375	609	515	573	468	439	396	348	387	212	185	88	118	78	133	104	179	9423
43831	44197	2020	2021	5	43	47	94	186	212	392	395	466	370	305	496	313	572	324	375	609	516	574	469	439	396	348	387	212	185	88	118	78	133	104	179	9430
44197	44562	2021	2022	5	43	47	95	186	212	392	395	466	370	305	496	313	572	324	376	611	517	574	469	440	398	349	388	212	185	88	119	79	134	104	180	9444
44562	44927	2022	2023	5	43	47	95	186	212	392	395	466	370	305	496	314	573	325	377	613	517	575	469	441	399	349	388	212	185	88	119	80	135	104	180	9456

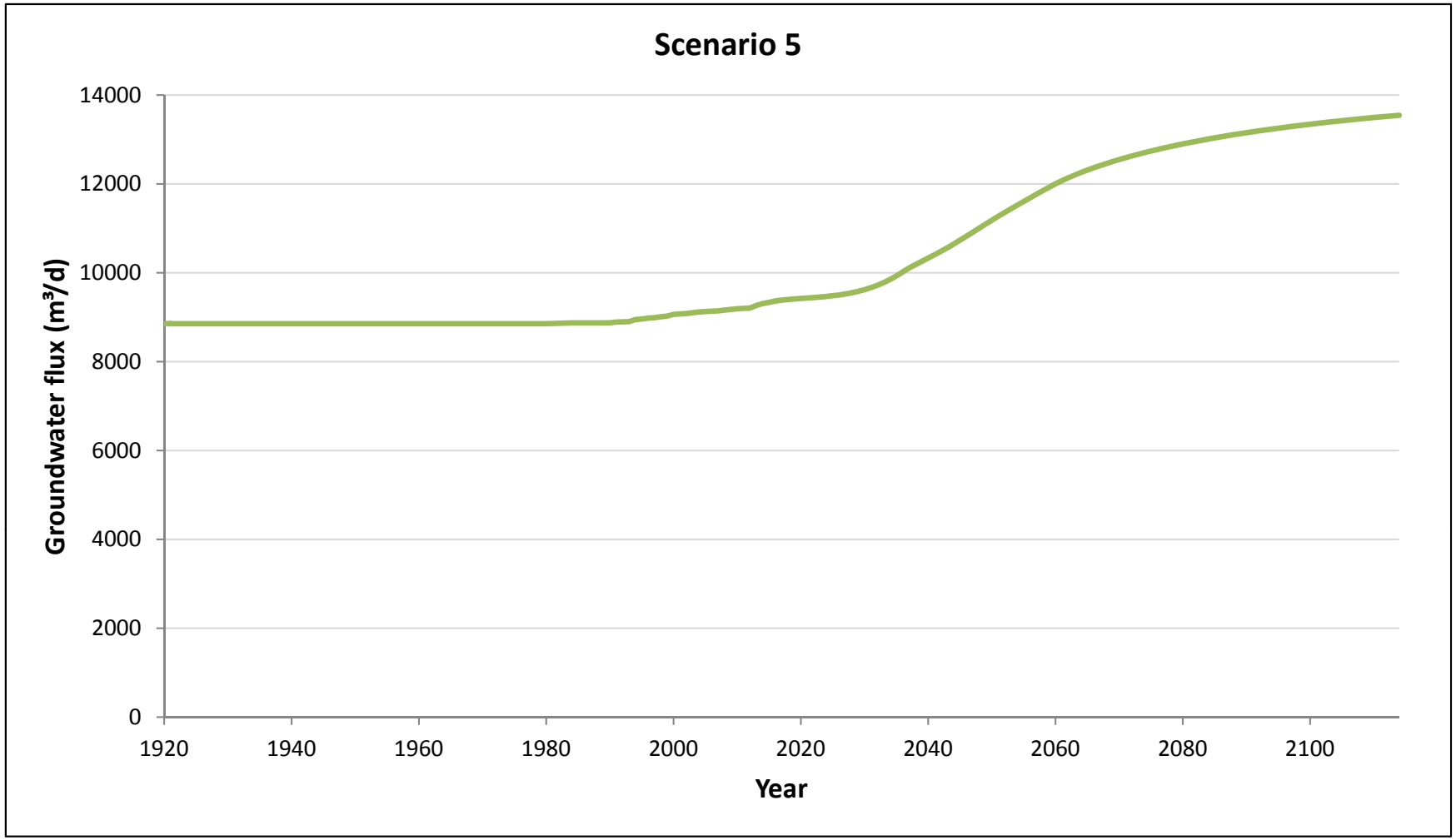
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S5)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	5	43	47	95	186	212	392	395	466	370	305	496	314	573	326	379	615	519	576	470	441	399	349	388	212	185	88	120	80	136	105	180	9470
45292	45658	2024	2025	5	43	48	95	186	212	392	395	466	370	305	496	314	574	327	381	618	520	577	471	442	399	350	388	213	186	88	120	81	137	105	180	9485
45658	46023	2025	2026	5	43	48	95	186	212	393	395	466	371	305	497	315	576	328	383	621	522	578	471	442	400	350	388	213	186	89	121	81	138	105	180	9501
46023	46388	2026	2027	5	43	48	95	186	212	393	395	466	371	306	497	316	578	330	387	625	524	580	472	443	400	350	389	213	186	89	121	81	138	105	180	9523
46388	46753	2027	2028	5	43	48	95	186	212	393	395	466	371	306	498	317	580	332	391	631	527	582	473	443	401	350	389	213	186	89	122	82	138	106	180	9552
46753	47119	2028	2029	5	43	48	95	186	212	393	395	467	371	306	499	318	583	335	395	636	530	584	475	444	402	351	389	213	186	90	124	83	139	106	180	9584
47119	47484	2029	2030	5	43	48	95	186	212	393	396	467	371	307	499	319	586	337	399	640	533	587	477	446	402	351	389	213	186	91	126	85	140	106	181	9620
47484	47849	2030	2031	5	43	48	95	187	213	393	396	467	372	307	500	320	589	339	402	646	541	593	479	447	403	352	390	213	187	93	129	86	142	107	182	9666
47849	48214	2031	2032	5	43	48	95	187	213	393	396	467	372	308	502	321	593	342	406	652	548	600	482	449	404	352	390	214	188	94	131	87	143	108	183	9716
48214	48580	2032	2033	5	43	48	95	187	213	393	396	468	373	308	503	323	597	345	409	658	555	606	485	451	406	354	393	214	189	96	134	90	149	111	186	9783
48580	48945	2033	2034	5	43	48	95	187	213	393	396	468	373	309	504	325	601	348	413	663	561	611	488	453	407	357	397	216	191	99	138	92	155	115	188	9851
48945	49310	2034	2035	5	43	48	95	187	213	394	397	469	374	310	506	326	605	351	417	671	567	616	492	455	410	361	401	217	192	102	142	94	158	117	189	9924
49310	49675	2035	2036	5	43	48	95	187	213	394	397	469	375	311	507	328	609	354	421	678	573	623	503	470	415	366	405	219	194	105	146	96	161	119	191	10023
49675	50041	2036	2037	5	43	48	96	187	213	394	397	470	375	312	509	329	613	357	425	686	579	630	512	479	420	371	409	221	196	108	149	98	163	121	193	10107
50041	50406	2037	2038	5	43	48	96	187	213	394	397	470	376	313	510	331	617	360	429	693	584	636	517	485	424	375	413	223	199	111	153	100	165	123	194	10184
50406	50771	2038	2039	5	44	48	96	187	213	394	398	471	377	313	512	332	620	362	433	699	590	641	522	489	429	378	417	225	201	115	157	101	167	125	197	10258
50771	51136	2039	2040	5	44	48	96	187	213	395	398	472	378	314	513	334	624	365	437	705	594	646	526	493	433	382	421	227	204	118	160	103	170	127	200	10333
51136	51502	2040	2041	5	44	48	96	187	213	395	398	472	378	315	515	336	629	368	442	711	599	651	530	497	436	385	425	230	208	122	164	104	172	130	203	10409
51502	51867	2041	2042	5	44	48	96	187	213	395	399	473	379	316	517	338	633	371	446	716	604	655	533	501	440	389	429	233	211	125	167	106	175	133	206	10484
51867	52232	2042	2043	5	44	48	96	187	214	395	399	474	380	317	518	340	637	374	450	722	608	660	538	508	445	392	433	236	215	129	170	107	178	135	209	10563
52232	52597	2043	2044	5	44	48	96	187	214	396	400	474	381	318	520	342	640	377	454	727	612	664	543	516	450	395	438	240	219	132	173	109	180	138	212	10644
52597	52963	2044	2045	5	44	48	96	188	214	396	400	475	381	319	522	344	644	379	457	732	616	670	551	527	456	399	443	243	223	135	176	110	183	140	215	10731
52963	53328	2045	2046	5	44	48	96	188	214	396	401	476	382	319	523	345	648	382	461	736	620	676	559	539	462	403	448	247	228	139	179	112	185	142	218	10823
53328	53693	2046	2047	5	44	48	96	188	214	397	401	476	383	320	525	348	652	385	466	742	625	681	566	549	469	407	454	251	232	142	182	113	187	145	221	10915
53693	54058	2047	2048	6	44	48	96	188	214	397	401	477	384	321	527	351	658	389	471	748	629	687	573	557	474	411	459	255	236	145	185	114	189	147	224	11007
54058	54424	2048	2049	6	44	49	97	188	214	397	402	478	385	322	530	355	664	393	477	754	633	692	578	565	479	414	464	259	240	148	187	116	191	149	227	11096
54424	54789	2049	2050	6	44	49	97	188	215	398	402	478	385	323	533	359	670	398	483	760	637	697	583	571	484	418	469	263	244	150	190	117	193	151	229	11183
54789	55154	2050	2051	6	44	49	97	188	215	398	403	479	386	324	536	364	678	403	490	767	641	701	587	576	489	421	474	266	247	153	192	118	195	153	232	11272
55154	55519	2051	2052	6	44	49	97	188	215	398	403	480	387	325	539	369	687	409	498	774	646	705	591	582	493	424	479	269	251	155	194	119	197	154	234	11360
55519	55885	2052	2053	6	44	49	97	188	215	399	404	481	388	326	542	375	695	414	505	780	649	709	595	586	497	428	483	273	254	157	196	120	199	156	236	11444
55885	56250	2053	2054	6	44	49	97	189	215	399	404	481	389	327	546	380	702	419	511	786	653	713	599	590	501	430	488	276	257	159	198	121	201	158	238	11524
56250	56615	2054	2055	6	44	49	97	189	215	400	405	482	390	328	549	385	709	424	517	792	657	717	602	595	505	433	492	279	259	160	200	122	202	159	240	11601
56615	56980	2055	2056	6	44	49	97	189	216	400	405	483	391	329	553	389	715	428	522	798	661	720	606	603	511	437	496	282	262	162	201	122	204	161	242	11682
56980	57346	2056	2057	6	44	49	97	189	216	400	405	484	392	330	556	393	720	431	527	804	664	724	611	612	518	441	503	285	265	164	203	123	205	162	243	11768
57346	57711	2057	2058	6	44	49	97	189	216	401	406	485	393	331	559	397	725	435	532	809	667	728	615	621	526	446	509	289	268	165	205	124	207	163	245	11852
57711	58076	2058	2059	6	44	49	98	189	216	401	406	485	394	332	562	400	730	438	537	814	671	732	620	629	532	450	515	293	271	167	206	125	208	165	247	11931
58076	58441	2059	2060	6	44	49	98	189	216	401	407	486	395	334	565	403	735	441	541	819	674	735	624	636	538	454	521	297	274	168	207	125	209	166	248	12005
58441	58807	2060	2061	6	44	49	98	190	216	402	407	487	396	335	568	407	739	443	545	823	677	739	628	642	543	458	526	300	276	170	209	126	211	167	250	12074
58807	59172	2061	2062	6	44	49	98	190	217	402	408	488	397	335	571	409	743	446	548	828	680	742	631	647	547	461	531	304	279	171	210	127	212	168	251	12138
59172	59537	2062	2063	6	44	49	98	190	217	403	408	489	398	336	574	412	746	448	552	832	683	745	635	652	551	464	535	307	282	173	211	127	213	169	252	12200
59537	59902	2063	2064	6	44	49	98	190	217	403	409	490	398	337	576	415	750	451	555	836	686	748	638	656	555	467	539	309	284	174	213	128	214	170	253	12257
59902	60268	2064	2065	6	45	49	98	190	217	403	409	490	399	338	579	417	753	453	558	839	688	751	640	660	558	469	543	312	286	175	214	129	215	171	255	12312
60268	60633	2065	2066	6	45	49	98	190	217	404	410	491	400	339	581	420	756	455	561	843	691	754	643	663	561	472	547	315	288	176	215	129	216	172	256	12363
60633	60998	2066	2067	6	45	49	99	190	218	404	410	492	401	340	583	422	759	457	563	846	693	756	646	666	565	474	550	317	290	177	216	130	217	173	257	12413
60998	61363	2067	2068	6	45	50	99	191	218	405	411	493	402	341	586	424	762	459	566	849	695	759	648	669	567	477	553	319	292	178	217	130	218	174	258	12460
61363	61729	2068	2069	6	45	50	99	191	218	405	411	494	403	342	588	426	765	460	568	852	698	761	650	672	570	479	556	321	294	179	218	131	219	175	259	12506

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S5)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	6	45	50	99	191	218	405	411	494	404	342	590	428	768	462	571	855	700	763	652	675	573	481	559	323	296	180	219	131	220	176	260	12549
62094	62459	2070	2071	6	45	50	99	191	218	406	412	495	404	343	592	430	770	464	573	858	702	765	654	677	575	483	562	325	297	181	220	132	221	177	261	12590
62459	62824	2071	2072	6	45	50	99	191	219	406	412	496	405	344	594	432	773	465	575	861	704	767	656	680	577	485	565	327	299	182	221	132	222	178	262	12630
62824	63190	2072	2073	6	45	50	99	191	219	406	413	497	406	345	596	433	775	467	577	863	706	769	658	682	580	487	568	329	300	183	222	133	223	179	263	12668
63190	63555	2073	2074	6	45	50	100	192	219	407	413	497	407	345	597	435	777	468	579	866	707	771	660	684	582	489	570	331	302	184	223	133	224	179	264	12705
63555	63920	2074	2075	6	45	50	100	192	219	407	414	498	407	346	599	437	779	469	581	868	709	773	661	686	584	491	573	332	303	185	224	134	225	180	265	12740
63920	64285	2075	2076	6	45	50	100	192	219	408	414	499	408	347	601	438	781	471	582	870	711	775	663	688	586	493	575	334	305	185	225	134	226	181	266	12775
64285	64651	2076	2077	6	45	50	100	192	220	408	414	499	409	347	602	440	783	472	584	873	712	776	664	690	588	494	577	335	306	186	225	135	226	182	267	12808
64651	65016	2077	2078	6	45	50	100	192	220	408	415	500	410	348	604	441	785	473	586	875	714	778	666	691	589	496	580	337	307	187	226	135	227	182	268	12840
65016	65381	2078	2079	6	45	50	100	192	220	409	415	501	410	349	605	442	787	474	587	877	715	780	667	693	591	497	582	338	308	188	227	135	228	183	269	12871
65381	65746	2079	2080	6	45	50	100	193	220	409	416	501	411	349	607	444	788	475	589	879	717	781	669	695	593	499	584	340	309	188	228	136	229	184	269	12901
65746	66112	2080	2081	6	45	50	101	193	220	409	416	502	412	350	608	445	790	476	590	880	718	783	670	696	594	501	586	341	310	189	228	136	229	184	270	12930
66112	66477	2081	2082	6	45	50	101	193	221	410	416	503	412	350	610	446	792	477	591	882	720	784	671	698	596	502	588	342	311	189	229	137	230	185	271	12958
66477	66842	2082	2083	6	45	51	101	193	221	410	417	503	413	351	611	447	793	478	593	884	721	785	672	699	597	503	590	344	312	190	230	137	231	186	272	12985
66842	67207	2083	2084	6	45	51	101	193	221	410	417	504	413	351	612	448	795	479	594	886	722	787	673	700	599	505	592	345	313	191	230	137	231	186	273	13011
67207	67573	2084	2085	6	45	51	101	193	221	411	418	504	414	352	613	449	796	480	595	887	723	788	675	702	600	506	594	346	314	191	231	138	232	187	273	13037
67573	67938	2085	2086	6	46	51	101	194	221	411	418	505	414	352	615	450	797	481	596	889	725	789	676	703	602	507	595	347	315	192	231	138	233	188	274	13061
67938	68303	2086	2087	6	46	51	101	194	221	411	418	506	415	353	616	451	799	482	598	890	726	790	677	704	603	509	597	348	316	192	232	138	233	188	275	13086
68303	68668	2087	2088	6	46	51	102	194	222	412	419	506	416	353	617	452	800	482	599	892	727	791	678	705	604	510	599	349	317	193	233	139	234	189	275	13109
68668	69034	2088	2089	6	46	51	102	194	222	412	419	507	416	354	618	453	801	483	600	893	728	792	679	707	605	511	600	350	318	193	233	139	235	189	276	13132
69034	69399	2089	2090	6	46	51	102	194	222	412	419	507	417	354	619	454	802	484	601	895	729	794	680	708	607	512	602	351	318	193	234	139	235	190	277	13154
69399	69764	2090	2091	6	46	51	102	194	222	413	420	508	417	355	620	455	804	485	602	896	730	795	681	709	608	513	604	352	319	194	234	139	236	190	277	13175
69764	70129	2091	2092	6	46	51	102	195	222	413	420	508	418	355	621	456	805	485	603	897	731	796	681	710	609	514	605	353	320	194	235	140	236	191	278	13196
70129	70495	2092	2093	6	46	51	102	195	222	413	420	509	418	356	622	457	806	486	604	899	732	797	682	711	610	515	607	354	320	195	235	140	237	191	279	13216
70495	70860	2093	2094	6	46	51	103	195	223	414	421	509	419	356	623	457	807	487	605	900	733	797	683	712	611	517	608	355	321	195	236	140	237	192	279	13236
70860	71225	2094	2095	6	46	51	103	195	223	414	421	510	419	356	624	458	808	487	605	901	734	798	684	713	612	518	609	356	322	195	236	141	238	192	280	13255
71225	71590	2095	2096	6	46	52	103	195	223	414	421	510	420	357	625	459	809	488	606	902	734	799	685	714	613	519	611	357	322	196	237	141	239	193	280	13274
71590	71956	2096	2097	6	46	52	103	195	223	415	422	511	420	357	626	460	810	488	607	903	735	800	686	714	614	519	612	358	323	196	237	141	239	193	281	13293
71956	72321	2097	2098	6	46	52	103	196	223	415	422	511	420	358	627	460	811	489	608	904	736	801	686	715	615	520	613	358	324	197	237	141	240	194	281	13311
72321	72686	2098	2099	6	46	52	103	196	223	415	422	512	421	358	628	461	812	490	609	905	737	802	687	716	616	521	615	359	324	197	238	142	240	194	282	13328
72686	73051	2099	2100	6	46	52	103	196	224	415	422	512	421	358	628	462	813	490	609	906	738	803	688	717	617	522	616	360	325	197	238	142	241	195	283	13345
73051	73416	2100	2101	6	46	52	104	196	224	416	423	512	422	359	629	462	814	491	610	907	738	803	688	718	618	523	617	361	325	198	239	142	241	195	283	13362
73416	73781	2101	2102	6	46	52	104	196	224	416	423	513	422	359	630	463	814	491	611	908	739	804	689	718	619	524	618	362	326	198	239	142	241	196	284	13378
73781	74146	2102	2103	6	46	52	104	196	224	416	423	513	422	359	631	464	815	492	612	909	740	805	690	719	619	525	619	362	326	198	239	143	242	196	284	13394
74146	74511	2103	2104	6	47	52	104	196	224	417	424	514	423	360	631	464	816	492	612	910	741	806	690	720	620	526	620	363	327	198	240	143	242	197	285	13409
74511	74877	2104	2105	6	47	52	104	197	224	417	424	514	423	360	632	465	817	493	613	911	741	806	691	721	621	526	621	364	327	199	240	143	243	197	285	13424
74877	75242	2105	2106	6	47	52	104	197	225	417	424	515	424	360	633	465	818	493	614	912	742	807	692	721	622	527	623	364	328	199	241	143	243	197	286	13439
75242	75607	2106	2107	6	47	52	104	197	225	417	424	515	424	361	634	466	818	494	614	913	743	808	692	722	622	528	624	365	328	199	241	143	244	198	286	13453
75607	75972	2107	2108	6	47	52	105	197	225	418	425	515	424	361	634	467	819	494	615	914	743	808	693	723	623	529	625	366	329	200	241	144	244	198	287	13467
75972	76338	2108	2109	6	47	52	105	197	225	418	425	516	425	361	635	467	820	495	615	914	744	809	693	723	624	529	626	366	329	200	242	144	245	198	287	13481
76338	76703	2109	2110	6	47	53	105	197	225	418	425	516	425	362	636	468	821	495	616	915	744	810	694	724	625	530	627	367	330	200	242	144	245	199	287	13495
76703	77068	2110	2111	6	47	53	105	197	225	418	425	516	425	362	636	468	821	495	617	916	745	810	694	724	625	531	627	367	330	200	242	144	245	199	288	13508
77068	77433	2111	2112	6	47	53	105	197	225	418	426	517	426	362	637	469	822	496	617	917	746	811	695	725	626	531	628	368	330	200	243	144	246	200	288	13521
77433	77799	2112	2113	6	47	53	105	198	225	419	426	517	426	362	638	469	823	496	618	917	746	811	695	726	627	532	629	368	331	201	243	145	246	200	289	13533
77799	78164	2113	2114	6	47	53	105	198	226	419	426	518	426	363	638	470	823	497	618	918	747	812	696	726	627	533	630	369	331	201	243	145	246	200	289	13546

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S5)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S5)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33604	1991	1992	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33604	33970	1992	1993	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.8
33970	34335	1993	1994	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.7	7.7	7.8	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	192.9
34335	34700	1994	1995	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.6	8.8	7.7	7.9	3.9	3.4	1.5	2.2	1.3	1.9	1.5	3.6	193.2
34700	35065	1995	1996	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.3	8.6	8.8	7.8	8.1	3.9	3.4	1.5	2.3	1.3	1.9	1.5	3.6	193.6
35065	35431	1996	1997	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.3	8.7	8.8	7.8	8.1	4.0	3.5	1.5	2.3	1.3	1.9	1.5	3.6	193.8
35431	35796	1997	1998	0.0	0.6	0.7	1.7	3.4	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.8	8.2	4.0	3.5	1.5	2.3	1.3	1.9	1.5	3.6	194.3
35796	36161	1998	1999	0.1	0.6	0.8	1.7	3.5	3.9	8.8	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.8	8.2	4.0	3.5	1.5	2.3	1.3	1.9	1.5	3.6	194.6
36161	36526	1999	2000	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.5	4.1	3.5	1.5	2.3	1.3	1.9	1.5	3.6	195.4
36526	36892	2000	2001	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.5	4.1	3.5	1.5	2.4	1.3	1.9	1.5	3.6	195.6
36892	37257	2001	2002	0.1	0.7	0.8	1.8	3.5	3.9	8.9	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	1.9	1.5	3.6	195.7
37257	37622	2002	2003	0.1	0.7	0.8	1.8	3.5	4.0	9.0	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	1.9	1.5	3.6	196.1
37622	37987	2003	2004	0.1	0.7	0.9	1.8	3.5	4.1	9.1	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	196.5
37987	38353	2004	2005	0.1	0.7	0.9	1.8	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	196.7
38353	38718	2005	2006	0.1	0.7	0.9	1.9	3.6	4.1	9.2	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	196.9
38718	39083	2006	2007	0.1	0.7	0.9	1.9	3.6	4.1	9.3	8.8	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.6	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	197.0
39083	39448	2007	2008	0.1	0.7	0.9	1.9	3.6	4.1	9.3	8.9	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.3	11.7	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.3	2.0	1.5	3.6	197.4
39448	39814	2008	2009	0.1	0.7	0.9	1.9	3.6	4.2	9.3	9.0	10.6	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.7	9.3	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	197.8
39814	40179	2009	2010	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.7	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	198.1
40179	40544	2010	2011	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.0	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.8	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	198.3
40544	40909	2011	2012	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.4	11.8	9.4	8.8	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.0	1.5	3.6	198.4
40909	41275	2012	2013	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	11.9	9.7	8.9	8.9	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.2	1.8	3.7	199.6
41275	41640	2013	2014	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.7	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.0	9.9	9.0	9.0	7.9	8.6	4.1	3.5	1.5	2.4	1.4	2.3	1.9	3.7	200.6
41640	42005	2014	2015	0.1	0.7	0.9	1.9	3.6	4.2	9.4	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.5	11.5	12.1	9.9	9.0	9.0	7.9	8.6	4.1	3.5	1.5	2.4	1.5	2.5	2.0	3.7	201.2
42005	42370	2015	2016	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.6	11.5	12.1	10.0	9.0	9.0	7.9	8.6	4.1	3.5	1.5	2.5	1.5	2.5	2.1	3.8	201.8
42370	42736	2016	2017	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.3	8.0	13.7	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.1	3.5	1.5	2.5	1.5	2.6	2.1	3.8	202.3
42736	43101	2017	2018	0.1	0.7	0.9	1.9	3.6	4.2	9.5	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.4	8.0	13.7	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.1	3.5	1.5	2.5	1.5	2.6	2.2	3.8	202.6
43101	43466	2018	2019	0.1	0.7	0.9	1.9	3.6	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.4	7.4	8.0	13.8	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	202.8
43466	43831	2019	2020	0.1	0.7	0.9	1.9	3.6	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.0	9.1	9.0	7.9	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	203.0
43831	44197	2020	2021	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.1	9.1	9.0	8.0	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	203.2
44197	44562	2021	2022	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.0	13.8	11.6	12.2	10.1	9.1	9.1	8.0	8.6	4.2	3.5	1.5	2.5	1.6	2.7	2.2	3.8	203.5
44562	44927	2022	2023	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.1	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.2	10.1	9.1	9.1	8.0	8.6	4.2	3.5	1.5	2.6	1.6	2.7	2.2	3.8	203.7
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

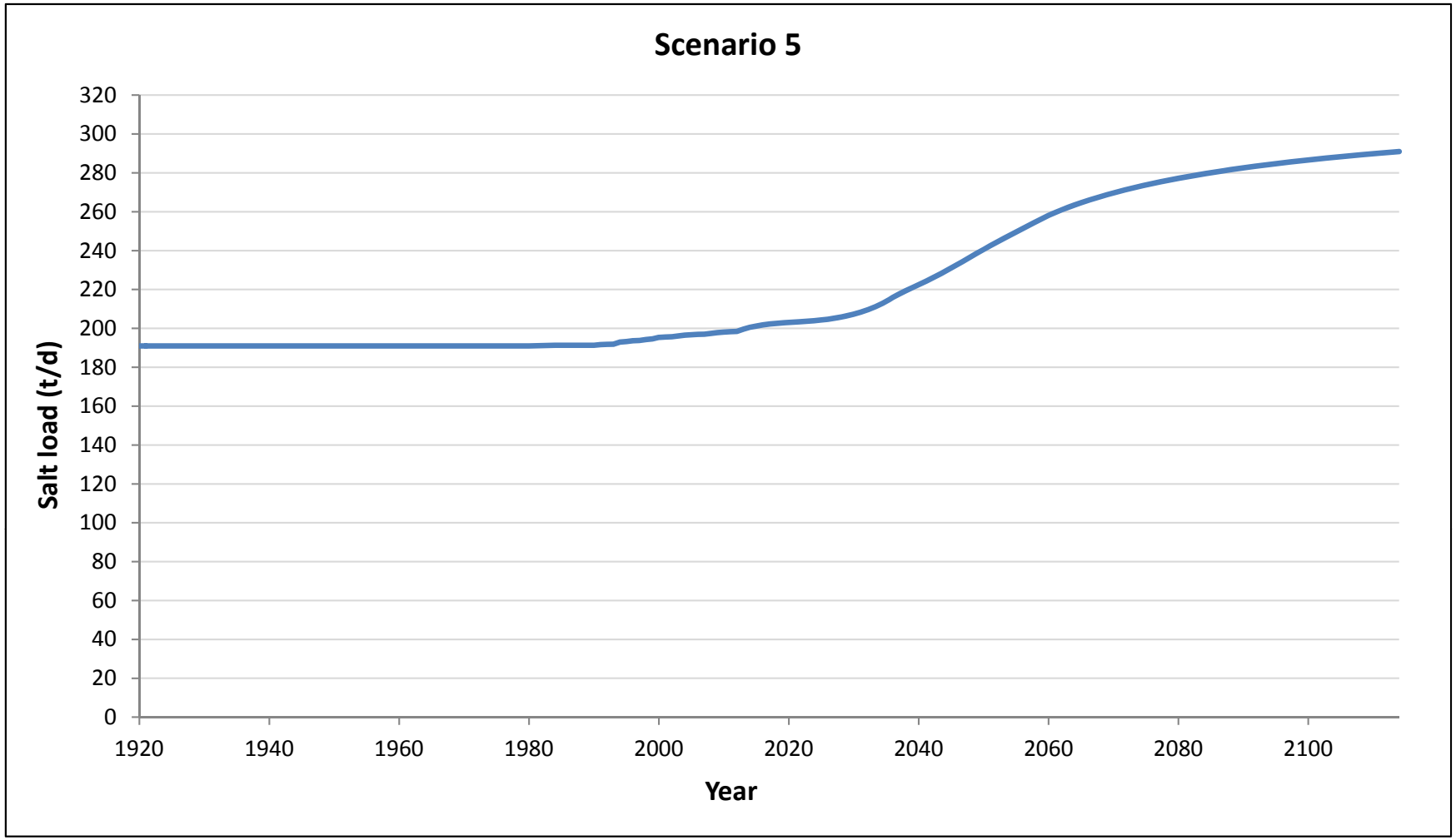
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S5)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.1	13.9	11.7	12.3	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.7	2.2	3.8	204.0
45292	45658	2024	2025	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.4	8.1	14.0	11.7	12.3	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.8	2.2	3.8	204.4
45658	46023	2025	2026	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.5	9.1	6.2	12.5	7.5	8.2	14.0	11.8	12.3	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.8	2.2	3.8	204.7
46023	46388	2026	2027	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.6	7.5	8.3	14.1	11.8	12.4	10.1	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.6	2.8	2.2	3.8	205.2
46388	46753	2027	2028	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.2	12.6	7.6	8.4	14.3	11.9	12.4	10.2	9.2	9.1	8.0	8.6	4.2	3.5	1.6	2.6	1.7	2.8	2.2	3.8	205.8
46753	47119	2028	2029	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.1	6.3	12.7	7.6	8.4	14.4	12.0	12.5	10.2	9.2	9.2	8.0	8.6	4.2	3.5	1.6	2.6	1.7	2.8	2.2	3.8	206.5
47119	47484	2029	2030	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.2	6.3	12.8	7.7	8.5	14.5	12.0	12.5	10.2	9.2	9.2	8.0	8.6	4.2	3.5	1.6	2.7	1.7	2.8	2.2	3.8	207.3
47484	47849	2030	2031	0.1	0.7	0.9	1.9	3.7	4.2	9.6	9.2	10.8	8.2	6.6	9.2	6.3	12.8	7.7	8.6	14.6	12.2	12.6	10.3	9.3	9.2	8.0	8.7	4.2	3.5	1.6	2.8	1.7	2.9	2.3	3.9	208.3
47849	48214	2031	2032	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.2	6.3	12.9	7.8	8.7	14.7	12.4	12.8	10.3	9.3	9.2	8.0	8.7	4.2	3.6	1.7	2.8	1.8	2.9	2.3	3.9	209.3
48214	48580	2032	2033	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.2	6.4	13.0	7.9	8.7	14.9	12.5	12.9	10.4	9.4	9.3	8.1	8.7	4.2	3.6	1.7	2.9	1.8	3.0	2.4	3.9	210.8
48580	48945	2033	2034	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.8	8.2	6.6	9.2	6.4	13.1	7.9	8.8	15.0	12.6	13.0	10.5	9.4	9.3	8.1	8.8	4.2	3.6	1.7	2.9	1.9	3.1	2.4	4.0	212.2
48945	49310	2034	2035	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.6	9.3	6.4	13.2	8.0	8.9	15.2	12.8	13.1	10.5	9.4	9.4	8.2	8.9	4.3	3.6	1.8	3.0	1.9	3.2	2.5	4.0	213.8
49310	49675	2035	2036	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.3	6.5	13.3	8.1	9.0	15.3	12.9	13.3	10.8	9.7	9.5	8.4	9.0	4.3	3.7	1.8	3.1	1.9	3.2	2.5	4.0	215.9
49675	50041	2036	2037	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.3	6.5	13.4	8.1	9.1	15.5	13.1	13.4	11.0	9.9	9.6	8.5	9.1	4.3	3.7	1.9	3.2	2.0	3.3	2.6	4.1	217.7
50041	50406	2037	2038	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.4	6.5	13.4	8.2	9.2	15.7	13.2	13.5	11.1	10.1	9.7	8.6	9.2	4.4	3.7	2.0	3.3	2.0	3.3	2.6	4.1	219.4
50406	50771	2038	2039	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.4	6.6	13.5	8.2	9.3	15.8	13.3	13.7	11.2	10.2	9.8	8.6	9.3	4.4	3.8	2.0	3.3	2.0	3.4	2.6	4.2	220.9
50771	51136	2039	2040	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.7	9.4	6.6	13.6	8.3	9.3	15.9	13.4	13.8	11.3	10.2	9.9	8.7	9.3	4.4	3.9	2.1	3.4	2.1	3.4	2.7	4.2	222.5
51136	51502	2040	2041	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	10.9	8.3	6.8	9.4	6.6	13.7	8.4	9.4	16.1	13.5	13.9	11.4	10.3	10.0	8.8	9.4	4.5	3.9	2.1	3.5	2.1	3.5	2.7	4.3	224.1
51502	51867	2041	2042	0.1	0.7	0.9	1.9	3.7	4.3	9.6	9.2	11.0	8.4	6.8	9.5	6.7	13.8	8.4	9.5	16.2	13.6	14.0	11.4	10.4	10.1	8.9	9.5	4.6	4.0	2.2	3.6	2.1	3.5	2.8	4.4	225.7
51867	52232	2042	2043	0.1	0.7	0.9	1.9	3.7	4.3	9.7	9.3	11.0	8.4	6.8	9.5	6.7	13.9	8.5	9.6	16.3	13.7	14.1	11.5	10.6	10.2	8.9	9.6	4.6	4.1	2.3	3.6	2.2	3.6	2.9	4.4	227.4
52232	52597	2043	2044	0.1	0.7	0.9	1.9	3.7	4.3	9.7	9.3	11.0	8.4	6.8	9.5	6.7	14.0	8.6	9.7	16.4	13.8	14.2	11.6	10.7	10.3	9.0	9.7	4.7	4.1	2.3	3.7	2.2	3.6	2.9	4.5	229.1
52597	52963	2044	2045	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.0	8.4	6.8	9.6	6.8	14.0	8.6	9.8	16.5	13.9	14.3	11.8	10.9	10.4	9.1	9.8	4.8	4.2	2.4	3.8	2.2	3.7	3.0	4.5	231.0
52963	53328	2045	2046	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.0	8.4	6.9	9.6	6.8	14.1	8.7	9.8	16.7	14.0	14.4	12.0	11.2	10.6	9.2	10.0	4.8	4.3	2.4	3.8	2.2	3.7	3.0	4.6	232.9
53328	53693	2046	2047	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.0	8.5	6.9	9.6	6.9	14.2	8.8	10.0	16.8	14.1	14.5	12.1	11.4	10.7	9.3	10.1	4.9	4.4	2.5	3.9	2.3	3.8	3.1	4.7	234.9
53693	54058	2047	2048	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.7	6.9	14.3	8.9	10.1	16.9	14.2	14.6	12.3	11.6	10.8	9.4	10.2	5.0	4.5	2.5	4.0	2.3	3.8	3.1	4.7	236.8
54058	54424	2048	2049	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.7	7.0	14.5	9.0	10.2	17.1	14.3	14.7	12.4	11.7	10.9	9.5	10.3	5.1	4.5	2.6	4.0	2.3	3.9	3.1	4.8	238.7
54424	54789	2049	2050	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.8	7.1	14.6	9.1	10.3	17.2	14.4	14.8	12.5	11.8	11.1	9.5	10.4	5.1	4.6	2.6	4.1	2.3	3.9	3.2	4.9	240.6
54789	55154	2050	2051	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	6.9	9.8	7.2	14.8	9.2	10.5	17.3	14.5	14.9	12.6	12.0	11.2	9.6	10.5	5.2	4.7	2.7	4.1	2.4	3.9	3.2	4.9	242.5
55154	55519	2051	2052	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.3	11.1	8.5	7.0	9.9	7.3	15.0	9.3	10.6	17.5	14.6	15.0	12.7	12.1	11.3	9.7	10.6	5.3	4.7	2.7	4.1	2.4	4.0	3.3	5.0	244.4
55519	55885	2052	2053	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.4	11.1	8.6	7.0	9.9	7.4	15.1	9.4	10.8	17.6	14.6	15.1	12.8	12.2	11.3	9.8	10.7	5.3	4.8	2.8	4.2	2.4	4.0	3.3	5.0	246.1
55885	56250	2053	2054	0.1	0.7	0.9	2.0	3.7	4.3	9.7	9.4	11.2	8.6	7.0	10.0	7.5	15.3	9.5	10.9	17.8	14.7	15.2	12.8	12.3	11.4	9.8	10.8	5.4	4.8	2.8	4.2	2.4	4.0	3.3	5.0	247.8
56250	56615	2054	2055	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.0	10.1	7.6	15.4	9.6	11.0	17.9	14.8	15.3	12.9	12.4	11.5	9.9	10.9	5.5	4.9	2.8	4.3	2.4	4.1	3.4	5.1	249.5
56615	56980	2055	2056	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.1	10.1	7.7	15.6	9.7	11.2	18.1	14.9	15.3	13.0	12.5	11.7	10.0	11.0	5.5	5.0	2.8	4.3	2.5	4.1	3.4	5.1	251.2
56980	57346	2056	2057	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.6	7.1	10.2	7.7	15.7	9.8	11.3	18.2	15.0	15.4	13.1	12.7	11.8	10.1	11.2	5.6	5.0	2.9	4.3	2.5	4.1	3.4	5.2	253.0
57346	57711	2057	2058	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.7	7.1	10.3	7.8	15.8	9.9	11.4	18.3	15.1	15.5	13.2	12.9	12.0	10.2	11.3	5.7	5.1	2.9	4.4	2.5	4.2	3.4	5.2	254.8
57711	58076	2058	2059	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.2	8.7	7.1	10.3	7.9	15.9	10.0	11.5	18.4	15.1	15.6	13.3	13.1	12.1	10.3	11.4	5.7	5.1	2.9	4.4	2.5	4.2	3.5	5.2	256.5
58076	58441	2059	2060	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.3	8.7	7.2	10.4	8.0	16.0	10.0	11.6	18.5	15.2	15.7	13.4	13.2	12.3	10.4	11.6	5.8	5.2	3.0	4.4	2.5	4.2	3.5	5.3	258.1
58441	58807	2060	2061	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.3	8.7	7.2	10.4	8.0	16.1	10.1	11.6	18.6	15.3	15.7	13.5	13.3	12.4	10.4	11.7	5.9	5.2	3.0	4.5	2.5	4.2	3.5	5.3	259.6
58807	59172	2061	2062	0.1	0.7	0.9	2.0	3.7	4.3	9.8	9.4	11.3	8.8	7.2	10.5	8.1	16.2	10.2	11.7	18.7	15.3	15.8	13.5	13.4	12.5	10.5	11.8	5.9	5.3	3.0	4.5	2.6	4.3	3.5	5.3	260.9
59172	59537	2062	2063	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.3	8.8	7.2	10.5	8.1	16.3	10.2	11.8	18.8	15.4	15.9	13.6	13.5	12.6	10.6	11.9	6.0	5.3	3.0	4.5	2.6	4.3	3.6	5.3	262.2
59537	59902	2063	2064	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.3	8.8	7.2	10.6	8.2	16.3	10.3	11.9	18.9	15.5	15.9	13.7	13.6	12.7	10.7	12.0	6.1	5.4	3.1	4.5	2.6	4.3	3.6	5.4	263.5
59902	60268	2064	2065	0.1	0.8	0.9	2.0	3.7	4.3	9.8	9.5	11.4	8.8	7.3	10.6	8.2	16.4	10.3	11.9	19.0	15.5	16.0	13.7	13.7	12.7	10.7	12.1	6.1	5.4	3.1	4.6	2.6	4.3	3.6	5.4	264.6
60268	60633	2065	2066	0.1	0.8	0.9	2.0	3.7	4.3	9.9	9.5	11.4	8.8	7.3	10.7	8.3	16.5	10.4	12.0	19.1	15.6	16.1	13.8	13.8	12.8	10.8	12.1	6.2	5.4	3.1	4.6	2.6	4.4	3.6	5.4	265.7
60633	60998	2066	2067	0.1	0.8	0.9	2.0	3.7	4.4	9.9	9.5	11.4	8.9	7.3	10.7	8.3	16.6	10.4	12.0	19.1	15.6	16.1	13.8	13.8	12.9	10.8	12.2	6.2	5.5	3.1	4.6	2.6	4.4	3.7	5.4	266.8
60998	61363	2067	2068	0.1	0.8	0.9	2.0	3.7	4.4	9.9	9.5	11.4	8.9	7.3	10.7	8.4	16.6	10.4	12.1	19.2	15.7	16.2	13.9	13.9	13.0	10.9	12.3	6.2	5.5	3.1	4.6	2.6	4.4	3.7	5.5	267.8
61363	61729	2068	2069	0.1	0.8	0.9	2.0	3.7	4.4	9.9	9.5	11.4	8.9	7.3	10.8	8.4	16.7	10.5	12.1	19.3	15.7	16.2	13.9	13.9	13.0	10.9	12.4	6.3	5.6	3.2	4.7	2.6	4.4	3.7	5.5	268.8
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S5)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.5	8.9	7.3	10.8	8.4	16.7	10.5	12.2	19.3	15.8	16.3	14.0	14.0	13.1	11.0	12.4	6.3	5.6	3.2	4.7	2.6	4.4	3.7	5.5	269.7
62094	62459	2070	2071	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.5	11.5	8.9	7.4	10.9	8.5	16.8	10.6	12.2	19.4	15.8	16.3	14.0	14.1	13.1	11.0	12.5	6.4	5.6	3.2	4.7	2.7	4.5	3.7	5.5	270.6
62459	62824	2071	2072	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	8.9	7.4	10.9	8.5	16.8	10.6	12.3	19.5	15.9	16.4	14.1	14.1	13.2	11.1	12.5	6.4	5.6	3.2	4.7	2.7	4.5	3.8	5.6	271.4
62824	63190	2072	2073	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	9.0	7.4	10.9	8.5	16.9	10.6	12.3	19.5	15.9	16.4	14.1	14.1	13.2	11.1	12.6	6.4	5.7	3.2	4.7	2.7	4.5	3.8	5.6	272.2
63190	63555	2073	2074	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	9.0	7.4	11.0	8.6	16.9	10.6	12.4	19.6	16.0	16.4	14.1	14.2	13.3	11.2	12.7	6.5	5.7	3.2	4.8	2.7	4.5	3.8	5.6	273.0
63555	63920	2074	2075	0.1	0.8	0.9	2.0	3.8	4.4	9.9	9.6	11.5	9.0	7.4	11.0	8.6	17.0	10.7	12.4	19.6	16.0	16.5	14.2	14.2	13.3	11.2	12.7	6.5	5.7	3.2	4.8	2.7	4.5	3.8	5.6	273.8
63920	64285	2075	2076	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.6	9.0	7.4	11.0	8.6	17.0	10.7	12.4	19.7	16.0	16.5	14.2	14.3	13.4	11.2	12.8	6.5	5.8	3.3	4.8	2.7	4.5	3.8	5.6	274.5
64285	64651	2076	2077	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.6	9.0	7.4	11.0	8.7	17.1	10.7	12.5	19.7	16.1	16.5	14.2	14.3	13.4	11.3	12.8	6.6	5.8	3.3	4.8	2.7	4.6	3.8	5.7	275.2
64651	65016	2077	2078	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.6	9.0	7.5	11.1	8.7	17.1	10.8	12.5	19.8	16.1	16.6	14.3	14.3	13.5	11.3	12.9	6.6	5.8	3.3	4.8	2.7	4.6	3.8	5.7	275.9
65016	65381	2078	2079	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.6	9.1	7.5	11.1	8.7	17.1	10.8	12.6	19.8	16.1	16.6	14.3	14.4	13.5	11.4	12.9	6.6	5.8	3.3	4.8	2.7	4.6	3.9	5.7	276.5
65381	65746	2079	2080	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.6	9.1	7.5	11.1	8.7	17.2	10.8	12.6	19.9	16.2	16.6	14.3	14.4	13.5	11.4	13.0	6.7	5.8	3.3	4.9	2.7	4.6	3.9	5.7	277.2
65746	66112	2080	2081	0.1	0.8	0.9	2.0	3.8	4.4	10.0	9.6	11.6	9.1	7.5	11.2	8.8	17.2	10.8	12.6	19.9	16.2	16.7	14.4	14.4	13.6	11.4	13.0	6.7	5.9	3.3	4.9	2.7	4.6	3.9	5.7	277.8
66112	66477	2081	2082	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.7	11.6	9.1	7.5	11.2	8.8	17.2	10.9	12.6	20.0	16.2	16.7	14.4	14.5	13.6	11.5	13.1	6.7	5.9	3.3	4.9	2.7	4.6	3.9	5.7	278.4
66477	66842	2082	2083	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.7	11.7	9.1	7.5	11.2	8.8	17.3	10.9	12.7	20.0	16.3	16.7	14.4	14.5	13.6	11.5	13.1	6.7	5.9	3.3	4.9	2.8	4.6	3.9	5.8	279.0
66842	67207	2083	2084	0.1	0.8	1.0	2.0	3.8	4.4	10.0	9.7	11.7	9.1	7.5	11.2	8.8	17.3	10.9	12.7	20.0	16.3	16.8	14.4	14.5	13.7	11.5	13.1	6.8	5.9	3.3	4.9	2.8	4.7	3.9	5.8	279.5
67207	67573	2084	2085	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.7	9.1	7.5	11.2	8.9	17.3	10.9	12.7	20.1	16.3	16.8	14.5	14.6	13.7	11.6	13.2	6.8	5.9	3.4	4.9	2.8	4.7	3.9	5.8	280.1
67573	67938	2085	2086	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.7	9.1	7.6	11.3	8.9	17.4	10.9	12.8	20.1	16.3	16.8	14.5	14.6	13.7	11.6	13.2	6.8	6.0	3.4	4.9	2.8	4.7	4.0	5.8	280.6
67938	68303	2086	2087	0.1	0.8	1.0	2.1	3.8	4.4	10.0	9.7	11.7	9.2	7.6	11.3	8.9	17.4	11.0	12.8	20.1	16.4	16.8	14.5	14.6	13.8	11.6	13.3	6.8	6.0	3.4	5.0	2.8	4.7	4.0	5.8	281.1
68303	68668	2087	2088	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.7	9.2	7.6	11.3	8.9	17.4	11.0	12.8	20.2	16.4	16.9	14.5	14.6	13.8	11.6	13.3	6.8	6.0	3.4	5.0	2.8	4.7	4.0	5.8	281.6
68668	69034	2088	2089	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.7	9.2	7.6	11.3	8.9	17.5	11.0	12.8	20.2	16.4	16.9	14.6	14.7	13.8	11.7	13.3	6.9	6.0	3.4	5.0	2.8	4.7	4.0	5.8	282.1
69034	69399	2089	2090	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.8	9.2	7.6	11.4	9.0	17.5	11.0	12.8	20.2	16.4	16.9	14.6	14.7	13.8	11.7	13.4	6.9	6.0	3.4	5.0	2.8	4.7	4.0	5.9	282.6
69399	69764	2090	2091	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.8	9.2	7.6	11.4	9.0	17.5	11.0	12.9	20.3	16.5	16.9	14.6	14.7	13.9	11.7	13.4	6.9	6.0	3.4	5.0	2.8	4.7	4.0	5.9	283.0
69764	70129	2091	2092	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.8	9.2	7.6	11.4	9.0	17.5	11.0	12.9	20.3	16.5	17.0	14.6	14.7	13.9	11.7	13.4	6.9	6.0	3.4	5.0	2.8	4.8	4.0	5.9	283.5
70129	70495	2092	2093	0.1	0.8	1.0	2.1	3.8	4.4	10.1	9.7	11.8	9.2	7.6	11.4	9.0	17.6	11.1	12.9	20.3	16.5	17.0	14.6	14.8	13.9	11.8	13.5	6.9	6.1	3.4	5.0	2.8	4.8	4.0	5.9	283.9
70495	70860	2093	2094	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.7	11.8	9.2	7.6	11.4	9.0	17.6	11.1	12.9	20.4	16.5	17.0	14.7	14.8	13.9	11.8	13.5	7.0	6.1	3.4	5.0	2.8	4.8	4.0	5.9	284.3
70860	71225	2094	2095	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.8	11.8	9.2	7.6	11.4	9.0	17.6	11.1	12.9	20.4	16.5	17.0	14.7	14.8	14.0	11.8	13.5	7.0	6.1	3.4	5.0	2.8	4.8	4.1	5.9	284.7
71225	71590	2095	2096	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.8	11.8	9.3	7.7	11.5	9.0	17.6	11.1	13.0	20.4	16.6	17.0	14.7	14.8	14.0	11.8	13.6	7.0	6.1	3.4	5.1	2.8	4.8	4.1	5.9	285.1
71590	71956	2096	2097	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.8	11.8	9.3	7.7	11.5	9.1	17.6	11.1	13.0	20.4	16.6	17.0	14.7	14.8	14.0	11.9	13.6	7.0	6.1	3.4	5.1	2.8	4.8	4.1	5.9	285.5
71956	72321	2097	2098	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.8	11.8	9.3	7.7	11.5	9.1	17.7	11.1	13.0	20.5	16.6	17.1	14.7	14.8	14.0	11.9	13.6	7.0	6.1	3.5	5.1	2.8	4.8	4.1	6.0	285.9
72321	72686	2098	2099	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.8	11.9	9.3	7.7	11.5	9.1	17.7	11.1	13.0	20.5	16.6	17.1	14.7	14.9	14.1	11.9	13.6	7.0	6.1	3.5	5.1	2.9	4.8	4.1	6.0	286.3
72686	73051	2099	2100	0.1	0.8	1.0	2.1	3.8	4.5	10.1	9.8	11.9	9.3	7.7	11.5	9.1	17.7	11.2	13.0	20.5	16.6	17.1	14.7	14.9	14.1	11.9	13.7	7.0	6.1	3.5	5.1	2.9	4.8	4.1	6.0	286.6
73051	73416	2100	2101	0.1	0.8	1.0	2.1	3.9	4.5	10.1	9.8	11.9	9.3	7.7	11.5	9.1	17.7	11.2	13.0	20.5	16.7	17.1	14.8	14.9	14.1	11.9	13.7	7.1	6.1	3.5	5.1	2.9	4.9	4.1	6.0	287.0
73416	73781	2101	2102	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.3	7.7	11.6	9.1	17.7	11.2	13.1	20.5	16.7	17.1	14.8	14.9	14.1	12.0	13.7	7.1	6.2	3.5	5.1	2.9	4.9	4.1	6.0	287.3
73781	74146	2102	2103	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.3	7.7	11.6	9.1	17.8	11.2	13.1	20.6	16.7	17.2	14.8	14.9	14.1	12.0	13.8	7.1	6.2	3.5	5.1	2.9	4.9	4.1	6.0	287.7
74146	74511	2103	2104	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.3	7.7	11.6	9.2	17.8	11.2	13.1	20.6	16.7	17.2	14.8	14.9	14.2	12.0	13.8	7.1	6.2	3.5	5.1	2.9	4.9	4.1	6.0	288.0
74511	74877	2104	2105	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.3	7.7	11.6	9.2	17.8	11.2	13.1	20.6	16.7	17.2	14.8	15.0	14.2	12.0	13.8	7.1	6.2	3.5	5.1	2.9	4.9	4.2	6.0	288.3
74877	75242	2105	2106	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.3	7.7	11.6	9.2	17.8	11.2	13.1	20.6	16.7	17.2	14.8	15.0	14.2	12.0	13.8	7.1	6.2	3.5	5.1	2.9	4.9	4.2	6.0	288.6
75242	75607	2106	2107	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.4	7.7	11.6	9.2	17.8	11.2	13.1	20.6	16.7	17.2	14.8	15.0	14.2	12.1	13.8	7.1	6.2	3.5	5.1	2.9	4.9	4.2	6.1	289.0
75607	75972	2107	2108	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	11.9	9.4	7.7	11.6	9.2	17.9	11.2	13.1	20.7	16.8	17.2	14.9	15.0	14.2	12.1	13.9	7.2	6.2	3.5	5.2	2.9	4.9	4.2	6.1	289.3
75972	76338	2108	2109	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.8	12.0	9.4	7.7	11.6	9.2	17.9	11.3	13.2	20.7	16.8	17.2	14.9	15.0	14.2	12.1	13.9	7.2	6.2	3.5	5.2	2.9	4.9	4.2	6.1	289.6
76338	76703	2109	2110	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.9	12.0	9.4	7.8	11.7	9.2	17.9	11.3	13.2	20.7	16.8	17.3	14.9	15.0	14.3	12.1	13.9	7.2	6.2	3.5	5.2	2.9	4.9	4.2	6.1	289.8
76703	77068	2110	2111	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.9	12.0	9.4	7.8	11.7	9.2	17.9	11.3	13.2	20.7	16.8	17.3	14.9	15.0	14.3	12.1	13.9	7.2	6.2	3.5	5.2	2.9	4.9	4.2	6.1	290.1
77068	77433	2111	2112	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.9	12.0	9.4	7.8	11.7	9.2	17.9	11.3	13.2	20.7	16.8	17.3	14.9	15.0	14.3	12.1	14.0	7.2	6.2	3.5	5.2	2.9	4.9	4.2	6.1	290.4
77433	77799	2112	2113	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.9	12.0	9.4	7.8	11.7	9.2	17.9	11.3	13.2	20.8	16.8	17.3	14.9	15.1	14.3	12.1	14.0	7.2	6.2	3.5	5.2	2.9	5.0	4.2	6.1	290.7
77799	78164	2113	2114	0.1	0.8	1.0	2.1	3.9	4.5	10.2	9.9	12.0	9.4	7.8	11.7	9.3	17.9	11.3	13.2	20.8	16.8	17.3	14.9	15.1	14.3	12.2	14.0	7.2	6.3	3.5	5.2	2.9	5.0	4.2	6.1	290.9
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S5)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S5)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8858
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8876
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8877
32143	32509	1988	1989	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8877
32509	32874	1989	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8877
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8894
33239	33604	1991	1992	0	1	0	0	14	21	71	104	88	72	61	49	37	130	92	102	224	127	163	137	123	84	34	85	167	179	85	104	64	93	70	169	2751
33604	33970	1992	1993	0	0	0	0	1	0	20	53	30	31	26	12	20	67	56	65	157	66	96	79	68	27	14	16	41	43	15	30	12	2	0	54	1104
33970	34335	1993	1994	0	0	0	0	0	0	11	42	20	23	19	6	16	51	45	54	138	52	79	66	59	33	16	1	0	2	1	1	3	0	0	34	773
34335	34700	1994	1995	0	0	0	0	0	0	9	39	18	21	17	4	15	46	42	51	133	48	75	63	57	31	16	0	0	0	0	0	1	0	0	29	715
34700	35065	1995	1996	0	0	0	0	0	0	9	38	17	20	17	4	15	44	40	49	130	47	74	62	56	31	16	1	0	0	0	0	0	0	0	27	698
35065	35431	1996	1997	0	0	0	0	0	0	9	37	17	20	16	4	15	43	40	49	130	47	73	61	56	31	16	1	0	0	0	0	0	0	0	26	690
35431	35796	1997	1998	0	0	0	0	0	0	9	37	16	20	16	4	14	43	39	48	129	46	73	61	56	30	16	1	0	0	0	0	0	0	0	25	685
35796	36161	1998	1999	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	48	129	46	73	61	56	30	16	1	0	0	0	0	0	0	0	25	681
36161	36526	1999	2000	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	73	61	56	30	17	6	1	0	0	0	0	0	0	25	686
36526	36892	2000	2001	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	56	30	17	6	1	0	0	0	0	0	0	24	683
36892	37257	2001	2002	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	55	30	16	6	1	0	0	0	0	0	0	24	681
37257	37622	2002	2003	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	128	45	72	60	55	30	16	6	1	0	0	0	0	0	0	24	681
37622	37987	2003	2004	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	24	684
37987	38353	2004	2005	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	683
38353	38718	2005	2006	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	682
38718	39083	2006	2007	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	681
39083	39448	2007	2008	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	681
39448	39814	2008	2009	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	680
39814	40179	2009	2010	0	0	0	0	0	0	10	37	16	19	15	3	14	41	38	46	129	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	679
40179	40544	2010	2011	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	129	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	678
40544	40909	2011	2012	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	129	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	678
40909	41275	2012	2013	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	129	47	73	64	56	30	16	6	1	0	0	0	0	0	0	23	684
41275	41640	2013	2014	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	129	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	686
41640	42005	2014	2015	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	129	46	73	65	57	30	16	6	1	0	0	0	0	1	0	24	686
42005	42370	2015	2016	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	130	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	689
42370	42736	2016	2017	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	690
42736	43101	2017	2018	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	690
43101	43466	2018	2019	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	30	16	5	1	0	0	0	0	1	0	24	690
43466	43831	2019	2020	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	56	30	16	5	1	0	0	0	0	1	0	25	690
43831	44197	2020	2021	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	56	30	16	5	1	0	0	0	0	1	0	25	689
44197	44562	2021	2022	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	692
44562	44927	2022	2023	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	692

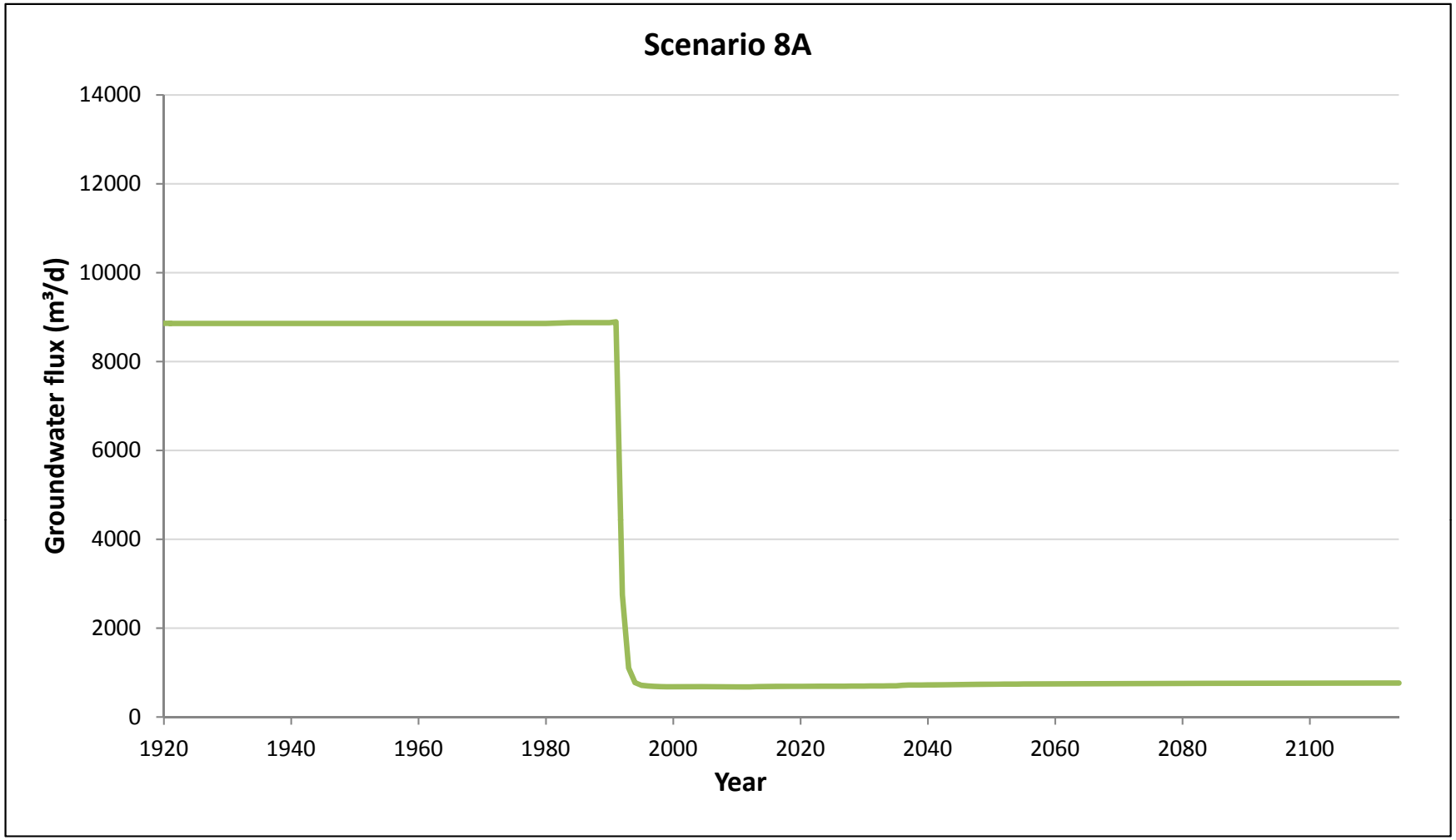
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	692
45292	45658	2024	2025	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	693
45658	46023	2025	2026	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	47	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	693
46023	46388	2026	2027	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	47	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	694
46388	46753	2027	2028	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	47	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	695
46753	47119	2028	2029	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	48	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	696
47119	47484	2029	2030	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	48	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	697
47484	47849	2030	2031	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	48	132	47	74	65	57	32	17	6	1	0	0	0	0	1	0	25	698
47849	48214	2031	2032	0	0	0	0	0	0	11	37	16	19	15	3	14	41	38	48	133	47	74	65	57	32	17	6	1	0	0	0	0	1	0	25	699
48214	48580	2032	2033	0	0	0	0	0	0	11	37	16	19	15	3	14	41	38	48	133	47	74	65	57	32	17	6	1	0	0	0	1	1	0	25	701
48580	48945	2033	2034	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	48	133	47	74	65	57	32	17	6	1	0	0	0	1	1	0	25	702
48945	49310	2034	2035	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	133	48	74	65	57	32	17	6	1	0	0	0	1	1	0	25	703
49310	49675	2035	2036	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	74	69	63	32	17	6	1	0	0	0	1	1	0	26	715
49675	50041	2036	2037	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	75	70	64	32	17	6	1	0	0	0	1	1	0	26	719
50041	50406	2037	2038	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	75	70	64	32	17	6	1	0	0	0	1	1	0	26	721
50406	50771	2038	2039	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	75	70	65	33	17	6	1	0	0	0	1	1	0	26	722
50771	51136	2039	2040	0	0	0	0	0	0	11	37	16	19	15	3	14	42	39	50	134	48	75	70	65	33	17	6	1	0	0	0	1	1	0	26	723
51136	51502	2040	2041	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	48	75	70	65	33	17	6	1	0	0	0	1	1	0	27	725
51502	51867	2041	2042	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	48	75	70	65	33	17	6	1	0	0	0	1	1	0	27	726
51867	52232	2042	2043	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	49	75	70	65	33	17	6	1	0	0	0	1	1	0	27	728
52232	52597	2043	2044	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	49	75	71	65	33	17	6	1	0	0	0	1	1	0	27	729
52597	52963	2044	2045	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	49	75	71	65	33	17	6	1	0	0	0	1	1	0	28	731
52963	53328	2045	2046	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	51	135	49	75	71	66	33	17	6	1	0	0	0	1	1	0	28	732
53328	53693	2046	2047	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	51	135	49	76	71	66	33	17	6	1	0	0	0	1	1	0	29	734
53693	54058	2047	2048	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	30	736
54058	54424	2048	2049	0	0	0	0	0	0	11	37	16	19	15	3	14	43	40	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	30	737
54424	54789	2049	2050	0	0	0	0	0	0	11	37	16	19	15	3	14	43	40	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	31	738
54789	55154	2050	2051	0	0	0	0	0	0	11	37	16	19	15	3	14	43	40	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	31	739
55154	55519	2051	2052	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	31	740
55519	55885	2052	2053	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	32	741
55885	56250	2053	2054	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	32	742
56250	56615	2054	2055	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	32	743
56615	56980	2055	2056	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	33	744
56980	57346	2056	2057	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	72	66	34	17	6	1	0	0	0	1	1	0	33	745
57346	57711	2057	2058	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	72	66	34	17	6	1	0	0	0	1	1	0	33	745
57711	58076	2058	2059	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	72	66	34	17	6	1	0	0	0	1	1	0	34	746
58076	58441	2059	2060	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	137	49	76	72	67	34	17	6	1	0	0	0	1	1	0	34	747
58441	58807	2060	2061	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	137	49	76	72	67	34	17	6	1	0	0	0	1	1	0	34	747
58807	59172	2061	2062	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	137	49	76	72	67	34	17	6	1	0	0	0	1	1	0	34	748
59172	59537	2062	2063	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	137	50	76	72	67	34	17	6	1	0	0	0	1	1	0	34	749
59537	59902	2063	2064	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	137	50	76	72	67	34	17	6	1	0	0	0	1	1	0	35	749
59902	60268	2064	2065	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	137	50	76	72	67	34	17	6	1	0	0	0	1	1	0	35	750
60268	60633	2065	2066	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	76	72	67	34	17	6	1	0	0	0	1	1	0	35	750
60633	60998	2066	2067	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	76	72	67	34	17	6	1	0	0	0	1	1	0	35	751
60998	61363	2067	2068	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	76	72	67	34	17	6	1	0	0	0	1	1	0	35	751
61363	61729	2068	2069	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	76	72	67	34	18	7	1	0	0	0	1	1	0	35	752

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	752
62094	62459	2070	2071	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	753
62459	62824	2071	2072	0	0	0	0	0	0	11	37	16	19	16	3	14	43	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	753
62824	63190	2072	2073	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	754
63190	63555	2073	2074	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	754
63555	63920	2074	2075	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	754
63920	64285	2075	2076	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	36	755
64285	64651	2076	2077	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	755
64651	65016	2077	2078	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	755
65016	65381	2078	2079	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	756
65381	65746	2079	2080	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	756
65746	66112	2080	2081	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	757
66112	66477	2081	2082	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	137	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	757
66477	66842	2082	2083	0	0	0	0	0	0	11	37	16	19	16	3	14	44	41	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	757
66842	67207	2083	2084	0	0	0	0	0	0	11	37	16	19	16	4	14	44	41	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	758
67207	67573	2084	2085	0	0	0	0	0	0	11	37	16	19	16	4	14	44	41	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	758
67573	67938	2085	2086	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	37	758
67938	68303	2086	2087	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	758
68303	68668	2087	2088	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	759
68668	69034	2088	2089	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	759
69034	69399	2089	2090	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	52	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	759
69399	69764	2090	2091	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	760
69764	70129	2091	2092	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	760
70129	70495	2092	2093	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	760
70495	70860	2093	2094	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	760
70860	71225	2094	2095	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	760
71225	71590	2095	2096	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	761
71590	71956	2096	2097	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	761
71956	72321	2097	2098	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	38	761
72321	72686	2098	2099	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	761
72686	73051	2099	2100	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	762
73051	73416	2100	2101	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	762
73416	73781	2101	2102	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	762
73781	74146	2102	2103	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	762
74146	74511	2103	2104	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	762
74511	74877	2104	2105	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	763
74877	75242	2105	2106	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	763
75242	75607	2106	2107	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	763
75607	75972	2107	2108	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	763
75972	76338	2108	2109	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	763
76338	76703	2109	2110	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	764
76703	77068	2110	2111	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	764
77068	77433	2111	2112	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	764
77433	77799	2112	2113	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	764
77799	78164	2113	2114	0	0	0	0	0	0	11	37	16	19	16	4	14	44	42	53	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	39	764

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8A)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S8A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.0
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.4
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33604	1991	1992	0.0	0.0	0.0	0.0	0.3	0.4	1.7	2.4	2.0	1.6	1.3	0.9	0.7	2.8	2.1	2.2	5.1	2.9	3.5	2.9	2.6	1.9	0.8	1.9	3.3	3.4	1.5	2.2	1.3	1.9	1.5	3.6	58.6
33604	33970	1992	1993	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	0.7	0.6	0.2	0.4	1.5	1.3	1.4	3.6	1.5	2.0	1.7	1.4	0.6	0.3	0.4	0.8	0.8	0.3	0.6	0.2	0.0	0.0	1.1	23.9
33970	34335	1993	1994	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.5	0.5	0.4	0.1	0.3	1.1	1.0	1.2	3.1	1.2	1.7	1.4	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	17.0
34335	34700	1994	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.5	0.4	0.1	0.3	1.0	1.0	1.1	3.0	1.1	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.7
34700	35065	1995	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.4	0.1	0.3	1.0	0.9	1.1	3.0	1.1	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.3
35065	35431	1996	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.4	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.2
35431	35796	1997	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
35796	36161	1998	1999	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
36161	36526	1999	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
36526	36892	2000	2001	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
36892	37257	2001	2002	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
37257	37622	2002	2003	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
37622	37987	2003	2004	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
37987	38353	2004	2005	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
38353	38718	2005	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
38718	39083	2006	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
39083	39448	2007	2008	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
39448	39814	2008	2009	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
39814	40179	2009	2010	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.9
40179	40544	2010	2011	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.9
40544	40909	2011	2012	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.9
40909	41275	2012	2013	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
41275	41640	2013	2014	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
41640	42005	2014	2015	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
42005	42370	2015	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
42370	42736	2016	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
42736	43101	2017	2018	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
43101	43466	2018	2019	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
43466	43831	2019	2020	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
43831	44197	2020	2021	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
44197	44562	2021	2022	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
44562	44927	2022	2023	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

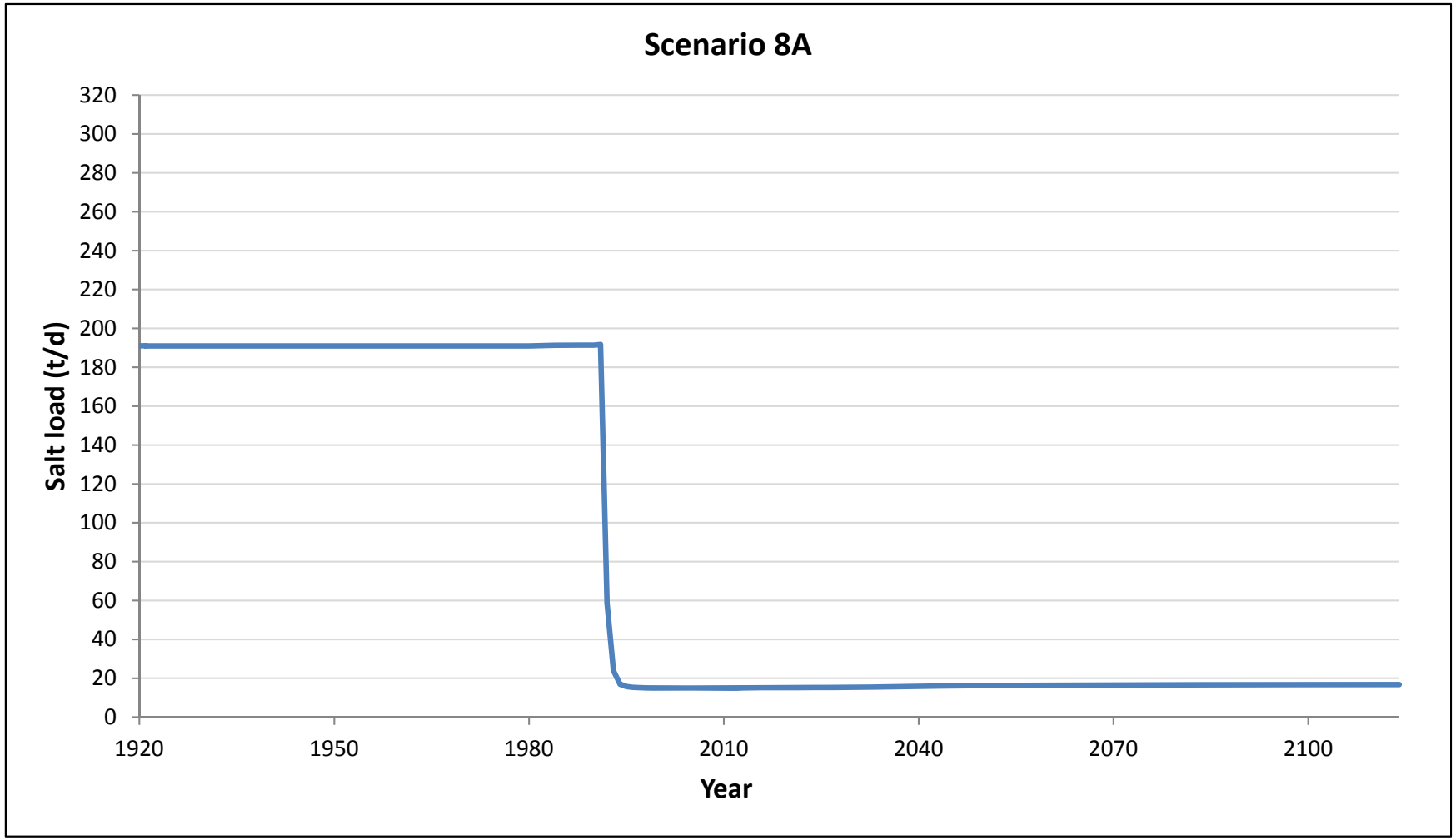
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
45292	45658	2024	2025	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
45658	46023	2025	2026	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
46023	46388	2026	2027	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
46388	46753	2027	2028	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
46753	47119	2028	2029	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
47119	47484	2029	2030	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
47484	47849	2030	2031	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
47849	48214	2031	2032	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.4
48214	48580	2032	2033	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.4
48580	48945	2033	2034	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.4
48945	49310	2034	2035	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.5
49310	49675	2035	2036	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.7
49675	50041	2036	2037	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.8
50041	50406	2037	2038	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.8
50406	50771	2038	2039	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.9
50771	51136	2039	2040	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.9
51136	51502	2040	2041	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.9
51502	51867	2041	2042	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.0
51867	52232	2042	2043	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.0
52232	52597	2043	2044	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.0
52597	52963	2044	2045	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.1
52963	53328	2045	2046	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.1
53328	53693	2046	2047	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.1
53693	54058	2047	2048	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.2
54058	54424	2048	2049	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.2
54424	54789	2049	2050	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.2
54789	55154	2050	2051	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.2
55154	55519	2051	2052	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
55519	55885	2052	2053	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
55885	56250	2053	2054	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
56250	56615	2054	2055	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
56615	56980	2055	2056	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
56980	57346	2056	2057	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
57346	57711	2057	2058	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
57711	58076	2058	2059	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
58076	58441	2059	2060	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
58441	58807	2060	2061	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
58807	59172	2061	2062	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
59172	59537	2062	2063	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
59537	59902	2063	2064	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
59902	60268	2064	2065	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
60268	60633	2065	2066	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
60633	60998	2066	2067	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
60998	61363	2067	2068	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
61363	61729	2068	2069	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.5
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.5
62094	62459	2070	2071	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.5
62459	62824	2071	2072	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.5
62824	63190	2072	2073	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.5
63190	63555	2073	2074	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
63555	63920	2074	2075	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
63920	64285	2075	2076	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
64285	64651	2076	2077	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
64651	65016	2077	2078	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
65016	65381	2078	2079	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
65381	65746	2079	2080	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
65746	66112	2080	2081	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
66112	66477	2081	2082	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
66477	66842	2082	2083	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
66842	67207	2083	2084	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
67207	67573	2084	2085	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
67573	67938	2085	2086	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.6
67938	68303	2086	2087	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
68303	68668	2087	2088	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
68668	69034	2088	2089	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
69034	69399	2089	2090	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
69399	69764	2090	2091	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
69764	70129	2091	2092	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
70129	70495	2092	2093	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
70495	70860	2093	2094	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
70860	71225	2094	2095	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
71225	71590	2095	2096	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
71590	71956	2096	2097	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
71956	72321	2097	2098	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
72321	72686	2098	2099	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
72686	73051	2099	2100	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
73051	73416	2100	2101	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
73416	73781	2101	2102	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
73781	74146	2102	2103	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
74146	74511	2103	2104	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
74511	74877	2104	2105	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
74877	75242	2105	2106	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.7
75242	75607	2106	2107	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
75607	75972	2107	2108	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
75972	76338	2108	2109	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
76338	76703	2109	2110	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
76703	77068	2110	2111	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
77068	77433	2111	2112	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
77433	77799	2112	2113	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
77799	78164	2113	2114	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8A)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S8A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8874
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32143	32509	1988	1989	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32509	32874	1989	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8892
33239	33604	1991	1992	0	1	0	0	14	21	71	104	88	72	61	49	37	130	92	102	224	127	163	137	123	84	34	85	167	179	85	104	64	93	70	169	2751
33604	33970	1992	1993	0	0	0	0	1	0	20	53	30	31	26	12	20	67	56	65	157	66	96	79	68	27	14	16	41	43	15	30	12	2	0	54	1104
33970	34335	1993	1994	0	0	0	0	0	0	11	42	20	23	19	6	16	51	45	54	138	52	79	65	57	18	11	0	0	2	1	1	3	0	0	34	750
34335	34700	1994	1995	0	0	0	0	0	0	9	39	18	21	17	4	15	46	42	51	133	48	75	62	54	16	10	0	0	0	0	0	1	0	0	29	691
34700	35065	1995	1996	0	0	0	0	0	0	9	38	17	20	17	4	15	44	40	49	130	47	74	61	54	15	10	0	0	0	0	0	0	0	0	27	673
35065	35431	1996	1997	0	0	0	0	0	0	9	37	17	20	16	4	15	43	40	49	130	46	73	60	53	15	10	0	0	0	0	0	0	0	0	26	664
35431	35796	1997	1998	0	0	0	0	0	0	9	37	16	20	16	4	14	43	39	48	129	46	73	60	53	15	10	0	0	0	0	0	0	0	0	26	660
35796	36161	1998	1999	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	48	129	46	72	60	53	15	10	0	0	0	0	0	0	0	0	25	656
36161	36526	1999	2000	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	53	15	10	0	0	0	0	0	0	0	0	25	653
36526	36892	2000	2001	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	53	15	10	0	0	0	0	0	0	0	0	25	651
36892	37257	2001	2002	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	53	15	10	0	0	0	0	0	0	0	0	24	649
37257	37622	2002	2003	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	128	45	72	60	53	15	10	0	0	0	0	0	0	0	0	24	649
37622	37987	2003	2004	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	127	45	72	60	52	15	10	0	0	0	0	0	0	0	0	24	648
37987	38353	2004	2005	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	127	45	72	60	52	14	10	0	0	0	0	0	0	0	0	24	646
38353	38718	2005	2006	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	127	45	72	59	52	14	10	0	0	0	0	0	0	0	0	24	645
38718	39083	2006	2007	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	127	45	72	59	52	14	10	0	0	0	0	0	0	0	0	23	644
39083	39448	2007	2008	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	127	45	72	59	52	14	10	0	0	0	0	0	0	0	0	23	643
39448	39814	2008	2009	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	127	45	72	59	52	14	10	0	0	0	0	0	0	0	0	23	643
39814	40179	2009	2010	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	127	45	72	59	52	14	10	0	0	0	0	0	0	0	0	23	642
40179	40544	2010	2011	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	127	45	72	59	52	14	10	0	0	0	0	0	0	0	0	23	641
40544	40909	2011	2012	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	126	45	72	59	52	14	10	0	0	0	0	0	0	0	0	23	640
40909	41275	2012	2013	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	126	45	73	64	53	14	10	0	0	0	0	0	0	0	0	23	647
41275	41640	2013	2014	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	126	45	73	64	54	14	10	0	0	0	0	0	0	0	0	23	647
41640	42005	2014	2015	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	126	45	73	64	54	14	10	0	0	0	0	0	0	0	0	23	647
42005	42370	2015	2016	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	127	45	73	64	54	14	10	0	0	0	0	0	0	0	0	23	649
42370	42736	2016	2017	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	23	650
42736	43101	2017	2018	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	650
43101	43466	2018	2019	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	649
43466	43831	2019	2020	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	649
43831	44197	2020	2021	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	648
44197	44562	2021	2022	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	648
44562	44927	2022	2023	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	647

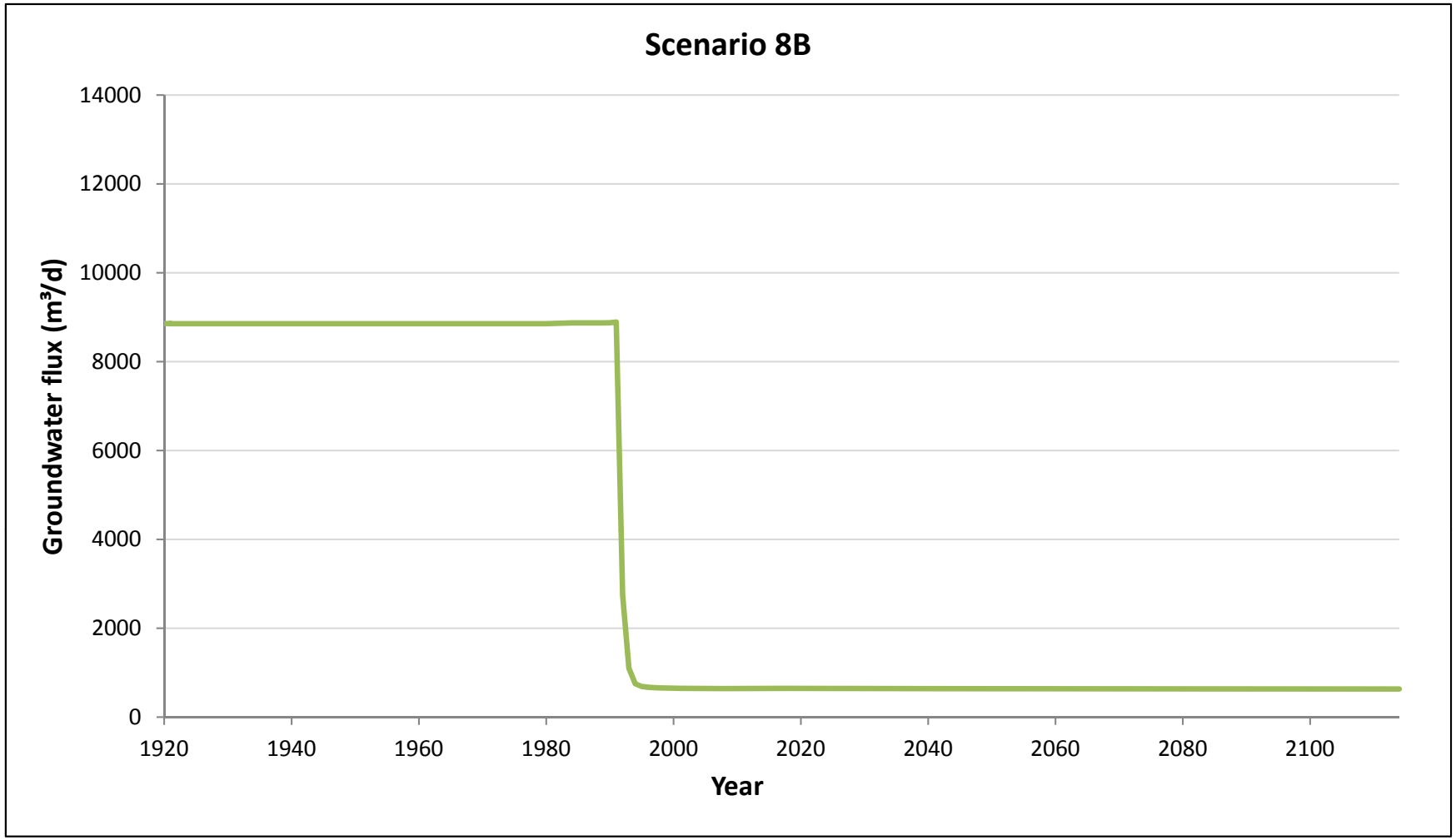
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8B)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	647
45292	45658	2024	2025	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	647
45658	46023	2025	2026	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	128	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	646
46023	46388	2026	2027	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	127	45	73	64	54	14	10	0	0	0	0	0	0	0	0	22	646
46388	46753	2027	2028	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	46	127	45	72	64	54	14	10	0	0	0	0	0	0	0	0	22	646
46753	47119	2028	2029	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	46	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	645
47119	47484	2029	2030	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	645
47484	47849	2030	2031	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	645
47849	48214	2031	2032	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	644
48214	48580	2032	2033	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	644
48580	48945	2033	2034	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	644
48945	49310	2034	2035	0	0	0	0	0	0	11	37	16	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	644
49310	49675	2035	2036	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	643
49675	50041	2036	2037	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	643
50041	50406	2037	2038	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	643
50406	50771	2038	2039	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	643
50771	51136	2039	2040	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	642
51136	51502	2040	2041	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	642
51502	51867	2041	2042	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	642
51867	52232	2042	2043	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	642
52232	52597	2043	2044	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	642
52597	52963	2044	2045	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	641
52963	53328	2045	2046	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	641
53328	53693	2046	2047	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	641
53693	54058	2047	2048	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	641
54058	54424	2048	2049	0	0	0	0	0	0	11	37	15	19	15	3	14	39	37	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	641
54424	54789	2049	2050	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	45	72	64	53	14	10	0	0	0	0	0	0	0	0	22	641
54789	55154	2050	2051	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	22	640
55154	55519	2051	2052	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	640
55519	55885	2052	2053	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	640
55885	56250	2053	2054	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	640
56250	56615	2054	2055	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	640
56615	56980	2055	2056	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	640
56980	57346	2056	2057	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
57346	57711	2057	2058	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
57711	58076	2058	2059	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
58076	58441	2059	2060	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
58441	58807	2060	2061	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
58807	59172	2061	2062	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
59172	59537	2062	2063	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
59537	59902	2063	2064	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	639
59902	60268	2064	2065	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
60268	60633	2065	2066	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
60633	60998	2066	2067	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
60998	61363	2067	2068	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
61363	61729	2068	2069	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	127	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8B)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
62094	62459	2070	2071	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
62459	62824	2071	2072	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
62824	63190	2072	2073	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
63190	63555	2073	2074	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	638
63555	63920	2074	2075	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
63920	64285	2075	2076	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
64285	64651	2076	2077	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
64651	65016	2077	2078	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
65016	65381	2078	2079	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
65381	65746	2079	2080	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
65746	66112	2080	2081	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
66112	66477	2081	2082	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
66477	66842	2082	2083	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
66842	67207	2083	2084	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
67207	67573	2084	2085	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	637
67573	67938	2085	2086	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
67938	68303	2086	2087	0	0	0	0	0	0	11	37	15	19	15	3	14	39	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
68303	68668	2087	2088	0	0	0	0	0	0	11	37	15	19	15	3	14	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
68668	69034	2088	2089	0	0	0	0	0	0	11	37	15	19	15	3	14	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
69034	69399	2089	2090	0	0	0	0	0	0	11	37	15	19	15	3	14	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
69399	69764	2090	2091	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
69764	70129	2091	2092	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
70129	70495	2092	2093	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
70495	70860	2093	2094	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
70860	71225	2094	2095	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
71225	71590	2095	2096	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
71590	71956	2096	2097	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
71956	72321	2097	2098	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
72321	72686	2098	2099	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
72686	73051	2099	2100	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	636
73051	73416	2100	2101	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
73416	73781	2101	2102	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
73781	74146	2102	2103	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
74146	74511	2103	2104	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
74511	74877	2104	2105	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
74877	75242	2105	2106	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
75242	75607	2106	2107	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
75607	75972	2107	2108	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
75972	76338	2108	2109	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
76338	76703	2109	2110	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
76703	77068	2110	2111	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
77068	77433	2111	2112	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
77433	77799	2112	2113	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635
77799	78164	2113	2114	0	0	0	0	0	0	11	37	15	19	15	3	13	38	36	45	126	44	72	64	53	14	10	0	0	0	0	0	0	0	0	21	635

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S8B)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33604	1991	1992	0.0	0.0	0.0	0.0	0.3	0.4	1.7	2.4	2.0	1.6	1.3	0.9	0.7	2.8	2.1	2.2	5.1	2.9	3.5	2.9	2.6	1.9	0.8	1.9	3.3	3.4	1.5	2.2	1.3	1.9	1.5	3.6	58.6
33604	33970	1992	1993	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	0.7	0.6	0.2	0.4	1.5	1.3	1.4	3.6	1.5	2.0	1.7	1.4	0.6	0.3	0.4	0.8	0.8	0.3	0.6	0.2	0.0	0.0	1.1	23.9
33970	34335	1993	1994	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.5	0.5	0.4	0.1	0.3	1.1	1.0	1.2	3.1	1.2	1.7	1.4	1.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	16.5
34335	34700	1994	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.5	0.4	0.1	0.3	1.0	1.0	1.1	3.0	1.1	1.6	1.3	1.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.2
34700	35065	1995	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.4	0.1	0.3	1.0	0.9	1.1	3.0	1.1	1.6	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	14.8
35065	35431	1996	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.4	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	14.6
35431	35796	1997	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.5
35796	36161	1998	1999	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.4
36161	36526	1999	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
36526	36892	2000	2001	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
36892	37257	2001	2002	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
37257	37622	2002	2003	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
37622	37987	2003	2004	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
37987	38353	2004	2005	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
38353	38718	2005	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
38718	39083	2006	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
39083	39448	2007	2008	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
39448	39814	2008	2009	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
39814	40179	2009	2010	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
40179	40544	2010	2011	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
40544	40909	2011	2012	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
40909	41275	2012	2013	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
41275	41640	2013	2014	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
41640	42005	2014	2015	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.6	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
42005	42370	2015	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.6	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
42370	42736	2016	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.6	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
42736	43101	2017	2018	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.6	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
43101	43466	2018	2019	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
43466	43831	2019	2020	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.3
43831	44197	2020	2021	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
44197	44562	2021	2022	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
44562	44927	2022	2023	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

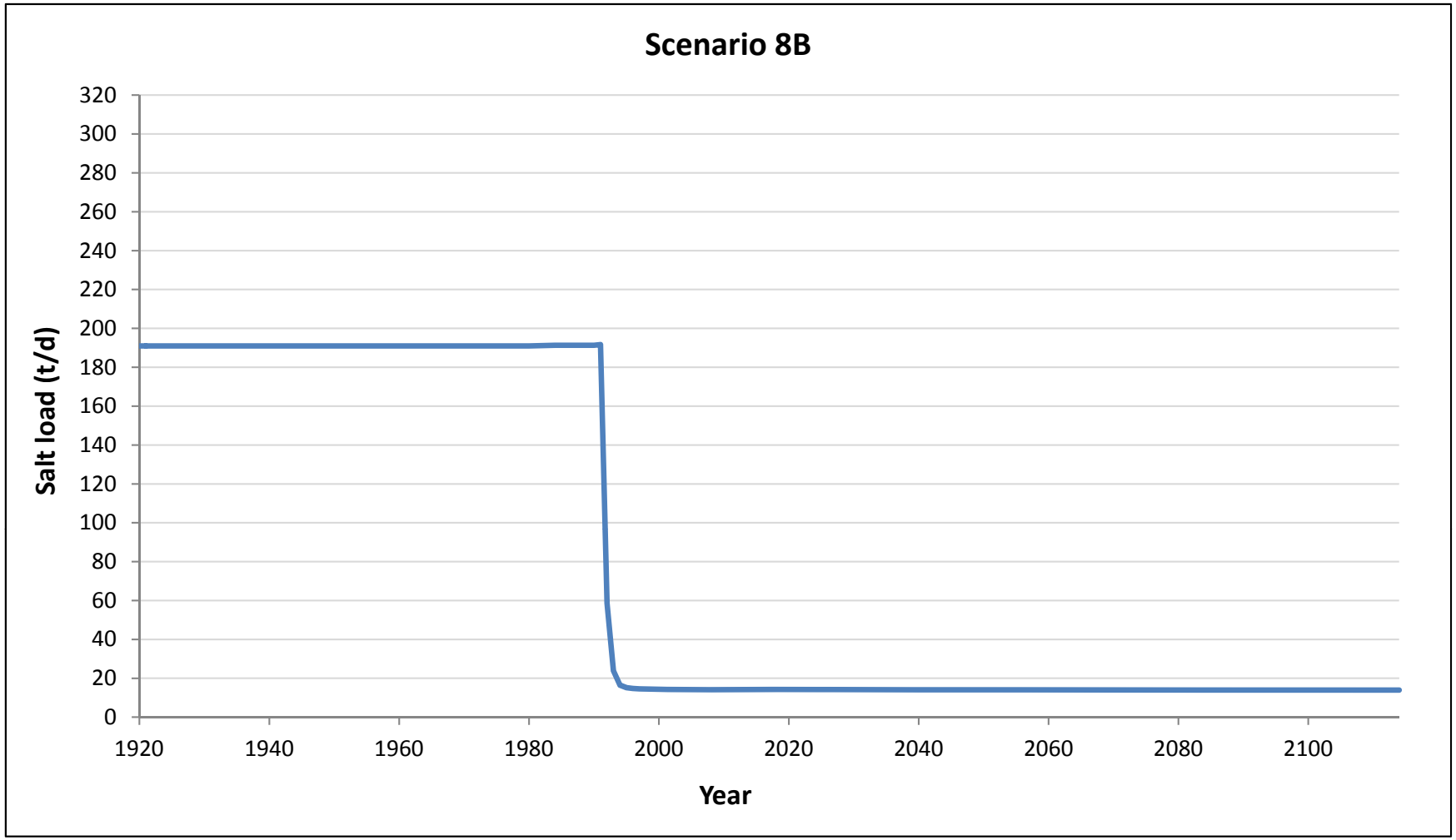
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8B)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
45292	45658	2024	2025	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
45658	46023	2025	2026	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
46023	46388	2026	2027	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
46388	46753	2027	2028	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
46753	47119	2028	2029	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
47119	47484	2029	2030	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
47484	47849	2030	2031	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
47849	48214	2031	2032	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
48214	48580	2032	2033	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.2
48580	48945	2033	2034	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
48945	49310	2034	2035	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
49310	49675	2035	2036	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
49675	50041	2036	2037	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
50041	50406	2037	2038	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
50406	50771	2038	2039	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
50771	51136	2039	2040	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
51136	51502	2040	2041	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
51502	51867	2041	2042	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
51867	52232	2042	2043	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
52232	52597	2043	2044	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
52597	52963	2044	2045	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
52963	53328	2045	2046	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
53328	53693	2046	2047	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
53693	54058	2047	2048	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
54058	54424	2048	2049	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
54424	54789	2049	2050	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
54789	55154	2050	2051	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
55154	55519	2051	2052	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
55519	55885	2052	2053	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
55885	56250	2053	2054	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
56250	56615	2054	2055	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
56615	56980	2055	2056	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
56980	57346	2056	2057	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1
57346	57711	2057	2058	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
57711	58076	2058	2059	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
58076	58441	2059	2060	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
58441	58807	2060	2061	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
58807	59172	2061	2062	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
59172	59537	2062	2063	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
59537	59902	2063	2064	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
59902	60268	2064	2065	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
60268	60633	2065	2066	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
60633	60998	2066	2067	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
60998	61363	2067	2068	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
61363	61729	2068	2069	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.0
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8B)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
62094	62459	2070	2071	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
62459	62824	2071	2072	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
62824	63190	2072	2073	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
63190	63555	2073	2074	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
63555	63920	2074	2075	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
63920	64285	2075	2076	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
64285	64651	2076	2077	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
64651	65016	2077	2078	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
65016	65381	2078	2079	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
65381	65746	2079	2080	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
65746	66112	2080	2081	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
66112	66477	2081	2082	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
66477	66842	2082	2083	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
66842	67207	2083	2084	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
67207	67573	2084	2085	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
67573	67938	2085	2086	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
67938	68303	2086	2087	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
68303	68668	2087	2088	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
68668	69034	2088	2089	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
69034	69399	2089	2090	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
69399	69764	2090	2091	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
69764	70129	2091	2092	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
70129	70495	2092	2093	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
70495	70860	2093	2094	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
70860	71225	2094	2095	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
71225	71590	2095	2096	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
71590	71956	2096	2097	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
71956	72321	2097	2098	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
72321	72686	2098	2099	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
72686	73051	2099	2100	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
73051	73416	2100	2101	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
73416	73781	2101	2102	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
73781	74146	2102	2103	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
74146	74511	2103	2104	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
74511	74877	2104	2105	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
74877	75242	2105	2106	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
75242	75607	2106	2107	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
75607	75972	2107	2108	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
75972	76338	2108	2109	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
76338	76703	2109	2110	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	14.0
76703	77068	2110	2111	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	13.9
77068	77433	2111	2112	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	13.9
77433	77799	2112	2113	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	13.9
77799	78164	2113	2114	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.8	0.8	1.0	2.9	1.0	1.5	1.4	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	13.9
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8B)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S8B)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
0	7306	1900	1920	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7306	7672	1920	1921	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
7672	8402	1921	1923	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
8402	9133	1923	1925	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
9133	10959	1925	1930	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
10959	18264	1930	1950	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
18264	25569	1950	1970	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
25569	27395	1970	1975	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
27395	29221	1975	1980	0	27	32	82	174	188	358	375	453	365	303	494	313	569	321	370	593	499	541	430	409	353	321	342	195	176	81	94	63	93	70	169	8856
29221	30682	1980	1984	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8874
30682	32143	1984	1988	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32143	32509	1988	1989	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32509	32874	1989	1990	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	343	195	176	81	94	63	93	70	169	8875
32874	33239	1990	1991	1	31	38	83	174	188	358	375	453	365	303	494	313	569	321	370	593	499	542	430	411	357	323	344	197	180	84	102	64	93	70	169	8892
33239	33604	1991	1992	0	1	0	0	14	21	71	104	88	72	61	49	37	130	92	102	224	127	163	137	123	84	34	85	167	179	85	104	64	93	70	169	2751
33604	33970	1992	1993	0	0	0	0	1	0	20	53	30	31	26	12	20	67	56	65	157	66	96	79	68	27	14	16	41	43	15	30	12	2	0	54	1104
33970	34335	1993	1994	0	0	0	0	0	0	11	42	20	23	19	6	16	51	45	54	138	52	79	66	59	33	16	1	0	2	1	1	3	0	0	34	773
34335	34700	1994	1995	0	0	0	0	0	0	9	39	18	21	17	4	15	46	42	51	133	48	75	63	57	31	16	0	0	0	0	0	1	0	0	29	715
34700	35065	1995	1996	0	0	0	0	0	0	9	38	17	20	17	4	15	44	40	49	130	47	74	62	56	31	16	1	0	0	0	0	0	0	0	27	698
35065	35431	1996	1997	0	0	0	0	0	0	9	37	17	20	16	4	15	43	40	49	130	47	73	61	56	31	16	1	0	0	0	0	0	0	0	26	690
35431	35796	1997	1998	0	0	0	0	0	0	9	37	16	20	16	4	14	43	39	48	129	46	73	61	56	30	16	1	0	0	0	0	0	0	0	25	685
35796	36161	1998	1999	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	48	129	46	73	61	56	30	16	1	0	0	0	0	0	0	0	25	681
36161	36526	1999	2000	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	73	61	56	30	17	6	1	0	0	0	0	0	0	25	686
36526	36892	2000	2001	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	56	30	17	6	1	0	0	0	0	0	0	24	683
36892	37257	2001	2002	0	0	0	0	0	0	9	37	16	20	16	4	14	42	39	47	128	46	72	60	55	30	16	6	1	0	0	0	0	0	0	24	681
37257	37622	2002	2003	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	128	45	72	60	55	30	16	6	1	0	0	0	0	0	0	24	681
37622	37987	2003	2004	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	24	684
37987	38353	2004	2005	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	683
38353	38718	2005	2006	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	47	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	682
38718	39083	2006	2007	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	681
39083	39448	2007	2008	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	681
39448	39814	2008	2009	0	0	0	0	0	0	10	37	16	19	16	3	14	41	38	46	130	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	680
39814	40179	2009	2010	0	0	0	0	0	0	10	37	16	19	15	3	14	41	38	46	129	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	679
40179	40544	2010	2011	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	129	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	678
40544	40909	2011	2012	0	0	0	0	0	0	10	37	16	19	15	3	14	40	38	46	129	47	72	60	55	30	16	6	1	0	0	0	0	0	0	23	678
40909	41275	2012	2013	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	129	47	73	64	56	30	16	6	1	0	0	0	0	0	0	23	684
41275	41640	2013	2014	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	129	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	686
41640	42005	2014	2015	0	0	0	0	0	0	10	37	16	19	15	3	14	40	37	46	129	46	73	65	57	30	16	6	1	0	0	0	0	1	0	24	686
42005	42370	2015	2016	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	130	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	689
42370	42736	2016	2017	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	690
42736	43101	2017	2018	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	30	16	6	1	0	0	0	0	1	0	24	690
43101	43466	2018	2019	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	30	16	5	1	0	0	0	0	1	0	24	690
43466	43831	2019	2020	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	56	30	16	5	1	0	0	0	0	1	0	25	690
43831	44197	2020	2021	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	56	30	16	5	1	0	0	0	0	1	0	25	689
44197	44562	2021	2022	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	692
44562	44927	2022	2023	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	692

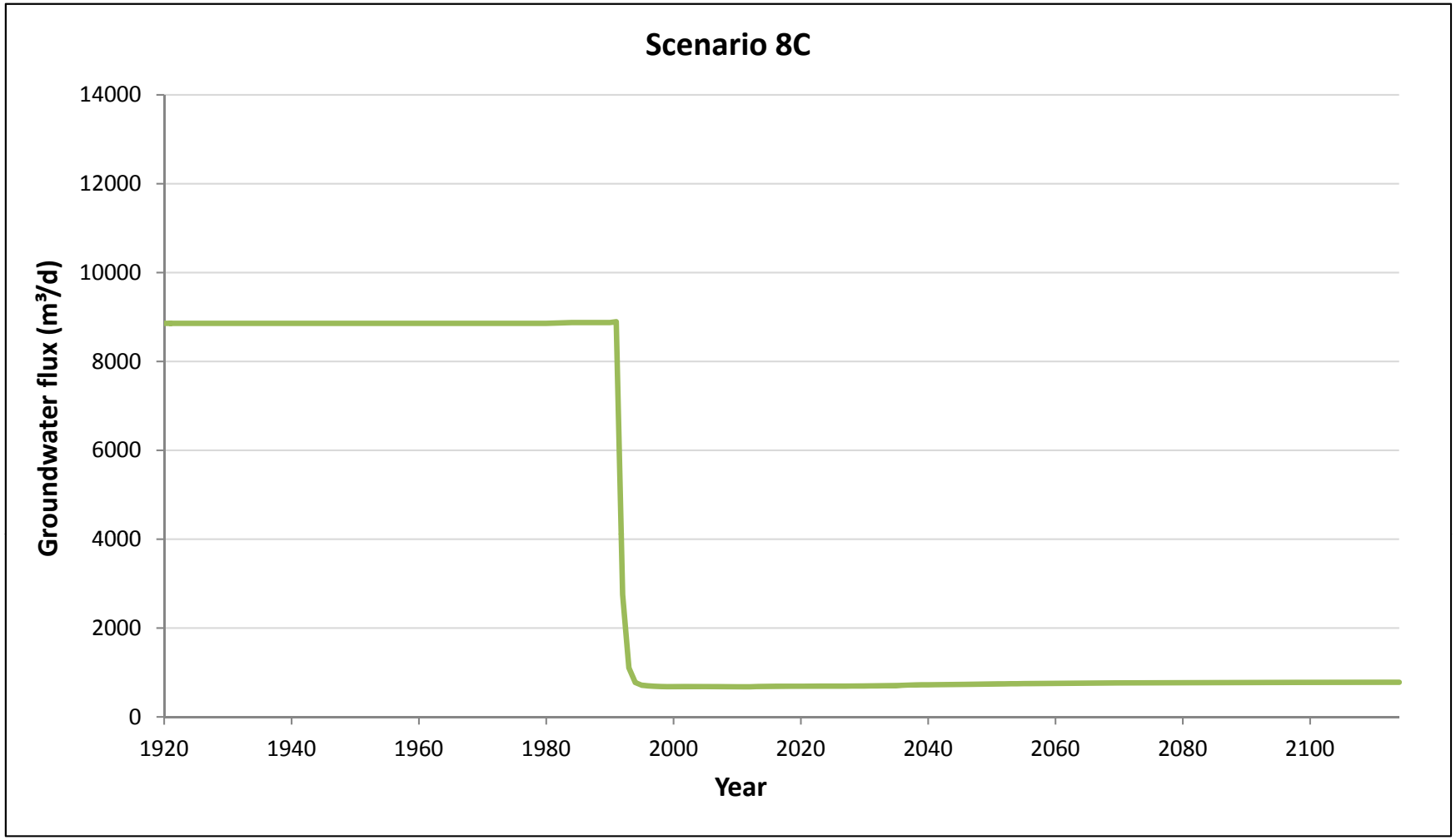
B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
44927	45292	2023	2024	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	692
45292	45658	2024	2025	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	46	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	693
45658	46023	2025	2026	0	0	0	0	0	0	11	37	16	19	15	3	14	40	37	47	131	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	693
46023	46388	2026	2027	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	47	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	694
46388	46753	2027	2028	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	47	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	695
46753	47119	2028	2029	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	48	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	696
47119	47484	2029	2030	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	48	132	47	73	65	57	32	17	6	1	0	0	0	0	1	0	25	697
47484	47849	2030	2031	0	0	0	0	0	0	11	37	16	19	15	3	14	40	38	48	132	47	74	65	57	32	17	6	1	0	0	0	0	1	0	25	698
47849	48214	2031	2032	0	0	0	0	0	0	11	37	16	19	15	3	14	41	38	48	133	47	74	65	57	32	17	6	1	0	0	0	0	1	0	25	699
48214	48580	2032	2033	0	0	0	0	0	0	11	37	16	19	15	3	14	41	38	48	133	47	74	65	57	32	17	6	1	0	0	0	1	1	0	25	701
48580	48945	2033	2034	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	48	133	47	74	65	57	32	17	6	1	0	0	0	1	1	0	25	702
48945	49310	2034	2035	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	133	48	74	65	57	32	17	6	1	0	0	0	1	1	0	25	703
49310	49675	2035	2036	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	74	69	63	32	17	6	1	0	0	0	1	1	0	26	715
49675	50041	2036	2037	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	75	70	64	32	17	6	1	0	0	0	1	1	0	26	719
50041	50406	2037	2038	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	75	70	64	32	17	6	1	0	0	0	1	1	0	26	721
50406	50771	2038	2039	0	0	0	0	0	0	11	37	16	19	15	3	14	41	39	49	134	48	75	70	65	33	17	6	1	0	0	0	1	1	0	26	722
50771	51136	2039	2040	0	0	0	0	0	0	11	37	16	19	15	3	14	42	39	50	134	48	75	70	65	33	17	6	1	0	0	0	1	1	0	26	723
51136	51502	2040	2041	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	48	75	70	65	33	17	6	1	0	0	0	1	1	0	27	725
51502	51867	2041	2042	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	48	75	70	65	33	17	6	1	0	0	0	1	1	0	27	726
51867	52232	2042	2043	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	49	75	70	65	33	17	6	1	0	0	0	1	1	0	27	728
52232	52597	2043	2044	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	49	75	71	65	33	17	6	1	0	0	0	1	1	0	27	729
52597	52963	2044	2045	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	50	135	49	75	71	65	33	17	6	1	0	0	0	1	1	0	28	731
52963	53328	2045	2046	0	0	0	0	0	0	11	37	16	19	15	3	14	42	40	51	135	49	75	71	66	33	17	6	1	0	0	0	1	1	0	28	733
53328	53693	2046	2047	0	0	0	0	0	0	11	37	16	19	15	3	14	43	40	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	29	735
53693	54058	2047	2048	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	51	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	30	737
54058	54424	2048	2049	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	30	739
54424	54789	2049	2050	0	0	0	0	0	0	11	37	16	19	15	3	14	43	41	52	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	31	741
54789	55154	2050	2051	0	0	0	0	0	0	11	37	16	19	15	3	14	44	41	52	136	49	76	71	66	33	17	6	1	0	0	0	1	1	0	31	743
55154	55519	2051	2052	0	0	0	0	0	0	11	37	16	19	15	3	14	44	42	53	137	49	76	71	66	33	17	6	1	0	0	0	1	1	0	31	745
55519	55885	2052	2053	0	0	0	0	0	0	11	37	16	19	15	3	14	44	42	53	137	49	76	71	66	33	17	6	1	0	0	0	1	1	0	32	747
55885	56250	2053	2054	0	0	0	0	0	0	11	37	16	19	15	3	14	44	42	53	137	49	76	71	66	33	17	6	1	0	0	0	1	1	0	32	748
56250	56615	2054	2055	0	0	0	0	0	0	11	37	16	19	15	3	14	44	42	53	137	49	76	71	66	33	17	6	1	0	0	0	1	1	0	32	749
56615	56980	2055	2056	0	0	0	0	0	0	11	37	16	19	15	3	14	44	42	53	137	50	76	72	66	34	17	6	1	0	0	0	1	1	0	33	751
56980	57346	2056	2057	0	0	0	0	0	0	11	37	16	19	15	3	15	44	42	53	138	50	76	72	67	34	17	6	1	0	0	0	1	1	0	33	753
57346	57711	2057	2058	0	0	0	0	0	0	11	37	16	19	16	3	15	45	42	54	138	50	76	72	67	34	17	6	1	0	0	0	1	1	0	33	754
57711	58076	2058	2059	0	0	0	0	0	0	11	37	16	19	16	3	15	45	42	54	138	50	76	72	67	34	18	7	1	0	0	0	1	1	0	34	755
58076	58441	2059	2060	0	0	0	0	0	0	11	37	16	19	16	4	15	45	42	54	138	50	76	72	67	34	18	7	1	0	0	0	1	1	0	34	757
58441	58807	2060	2061	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	138	50	76	72	67	34	18	7	1	0	0	0	1	1	0	34	758
58807	59172	2061	2062	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	34	759
59172	59537	2062	2063	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	34	759
59537	59902	2063	2064	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	35	760
59902	60268	2064	2065	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	138	50	77	72	67	34	18	7	1	0	0	0	1	1	0	35	761
60268	60633	2065	2066	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	139	50	77	72	67	34	18	7	1	0	0	0	1	1	0	35	762
60633	60998	2066	2067	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	139	50	77	72	67	34	18	7	1	0	0	0	1	1	0	35	763
60998	61363	2067	2068	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	54	139	50	77	72	67	34	18	7	1	0	0	0	1	1	0	35	763
61363	61729	2068	2069	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	55	139	50	77	72	67	34	18	7	1	0	0	0	1	1	0	35	764

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total flux (m^3/d)
61729	62094	2069	2070	0	0	0	0	0	0	11	37	16	19	16	4	15	45	43	55	139	50	77	72	68	34	18	7	1	0	0	0	1	1	0	36	765
62094	62459	2070	2071	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	34	18	7	1	0	0	0	1	1	0	36	765
62459	62824	2071	2072	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	34	18	7	1	0	0	0	1	1	0	36	766
62824	63190	2072	2073	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	34	18	7	1	0	0	0	1	1	0	36	767
63190	63555	2073	2074	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	34	18	7	1	0	0	0	1	1	0	36	767
63555	63920	2074	2075	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	34	18	7	1	0	0	0	1	1	0	36	768
63920	64285	2075	2076	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	35	18	7	1	0	0	0	1	1	0	36	768
64285	64651	2076	2077	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	35	18	7	1	0	0	0	1	1	0	37	769
64651	65016	2077	2078	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	50	77	72	68	35	18	7	1	0	0	0	1	1	0	37	769
65016	65381	2078	2079	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	51	77	72	68	35	18	7	1	0	0	0	1	1	0	37	770
65381	65746	2079	2080	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	770
65746	66112	2080	2081	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	771
66112	66477	2081	2082	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	139	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	771
66477	66842	2082	2083	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	772
66842	67207	2083	2084	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	772
67207	67573	2084	2085	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	772
67573	67938	2085	2086	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	37	773
67938	68303	2086	2087	0	0	0	0	0	0	11	37	16	19	16	4	15	46	43	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	38	773
68303	68668	2087	2088	0	0	0	0	0	0	11	37	16	19	16	4	15	46	44	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	38	774
68668	69034	2088	2089	0	0	0	0	0	0	11	37	16	19	16	4	15	46	44	55	140	51	77	73	68	35	18	7	1	0	0	0	1	1	0	38	774
69034	69399	2089	2090	0	0	0	0	0	0	11	37	16	19	16	4	15	46	44	55	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	774
69399	69764	2090	2091	0	0	0	0	0	0	11	37	16	19	16	4	15	46	44	55	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	775
69764	70129	2091	2092	0	0	0	0	0	0	11	38	16	19	16	4	15	46	44	55	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	775
70129	70495	2092	2093	0	0	0	0	0	0	11	38	16	19	16	4	15	46	44	55	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	775
70495	70860	2093	2094	0	0	0	0	0	0	11	38	16	19	16	4	15	46	44	55	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	776
70860	71225	2094	2095	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	776
71225	71590	2095	2096	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	776
71590	71956	2096	2097	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	777
71956	72321	2097	2098	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	38	777
72321	72686	2098	2099	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	777
72686	73051	2099	2100	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	778
73051	73416	2100	2101	0	0	0	0	0	0	11	38	16	20	16	4	15	46	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	778
73416	73781	2101	2102	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	778
73781	74146	2102	2103	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	778
74146	74511	2103	2104	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	779
74511	74877	2104	2105	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	779
74877	75242	2105	2106	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	779
75242	75607	2106	2107	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	779
75607	75972	2107	2108	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	780
75972	76338	2108	2109	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	780
76338	76703	2109	2110	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	780
76703	77068	2110	2111	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	780
77068	77433	2111	2112	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	781
77433	77799	2112	2113	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	39	781
77799	78164	2113	2114	0	0	0	0	0	0	11	38	16	20	16	4	15	47	44	56	140	51	78	73	68	35	18	7	1	0	0	0	1	1	0	40	781

B-3a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 3/3)



B-3a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Woolpunda (S8C)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
0	7306	1900	1920	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7306	7672	1920	1921	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
7672	8402	1921	1923	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
8402	9133	1923	1925	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
9133	10959	1925	1930	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
10959	18264	1930	1950	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
18264	25569	1950	1970	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
25569	27395	1970	1975	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
27395	29221	1975	1980	0.0	0.5	0.6	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.0	7.3	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	190.9
29221	30682	1980	1984	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
30682	32143	1984	1988	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32143	32509	1988	1989	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32509	32874	1989	1990	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.3	1.4	2.0	1.3	1.9	1.5	3.6	191.3
32874	33239	1990	1991	0.0	0.5	0.7	1.7	3.4	3.8	8.7	8.7	10.5	8.1	6.5	9.1	6.2	12.4	7.3	7.9	13.4	11.3	11.5	9.2	8.5	8.1	7.4	7.6	3.8	3.4	1.5	2.2	1.3	1.9	1.5	3.6	191.7
33239	33604	1991	1992	0.0	0.0	0.0	0.0	0.3	0.4	1.7	2.4	2.0	1.6	1.3	0.9	0.7	2.8	2.1	2.2	5.1	2.9	3.5	2.9	2.6	1.9	0.8	1.9	3.3	3.4	1.5	2.2	1.3	1.9	1.5	3.6	58.6
33604	33970	1992	1993	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	0.7	0.6	0.2	0.4	1.5	1.3	1.4	3.6	1.5	2.0	1.7	1.4	0.6	0.3	0.4	0.8	0.8	0.3	0.6	0.2	0.0	0.0	1.1	23.9
33970	34335	1993	1994	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.5	0.5	0.4	0.1	0.3	1.1	1.0	1.2	3.1	1.2	1.7	1.4	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	17.0
34335	34700	1994	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.5	0.4	0.1	0.3	1.0	1.0	1.1	3.0	1.1	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.7
34700	35065	1995	1996	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.4	0.1	0.3	1.0	0.9	1.1	3.0	1.1	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.3
35065	35431	1996	1997	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.4	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.2
35431	35796	1997	1998	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
35796	36161	1998	1999	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
36161	36526	1999	2000	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
36526	36892	2000	2001	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
36892	37257	2001	2002	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
37257	37622	2002	2003	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
37622	37987	2003	2004	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
37987	38353	2004	2005	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
38353	38718	2005	2006	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
38718	39083	2006	2007	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
39083	39448	2007	2008	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
39448	39814	2008	2009	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
39814	40179	2009	2010	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.9
40179	40544	2010	2011	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.9
40544	40909	2011	2012	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.5	1.3	1.1	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.9
40909	41275	2012	2013	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.0
41275	41640	2013	2014	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
41640	42005	2014	2015	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.0	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
42005	42370	2015	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	2.9	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.1
42370	42736	2016	2017	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
42736	43101	2017	2018	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
43101	43466	2018	2019	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
43466	43831	2019	2020	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
43831	44197	2020	2021	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
44197	44562	2021	2022	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
44562	44927	2022	2023	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

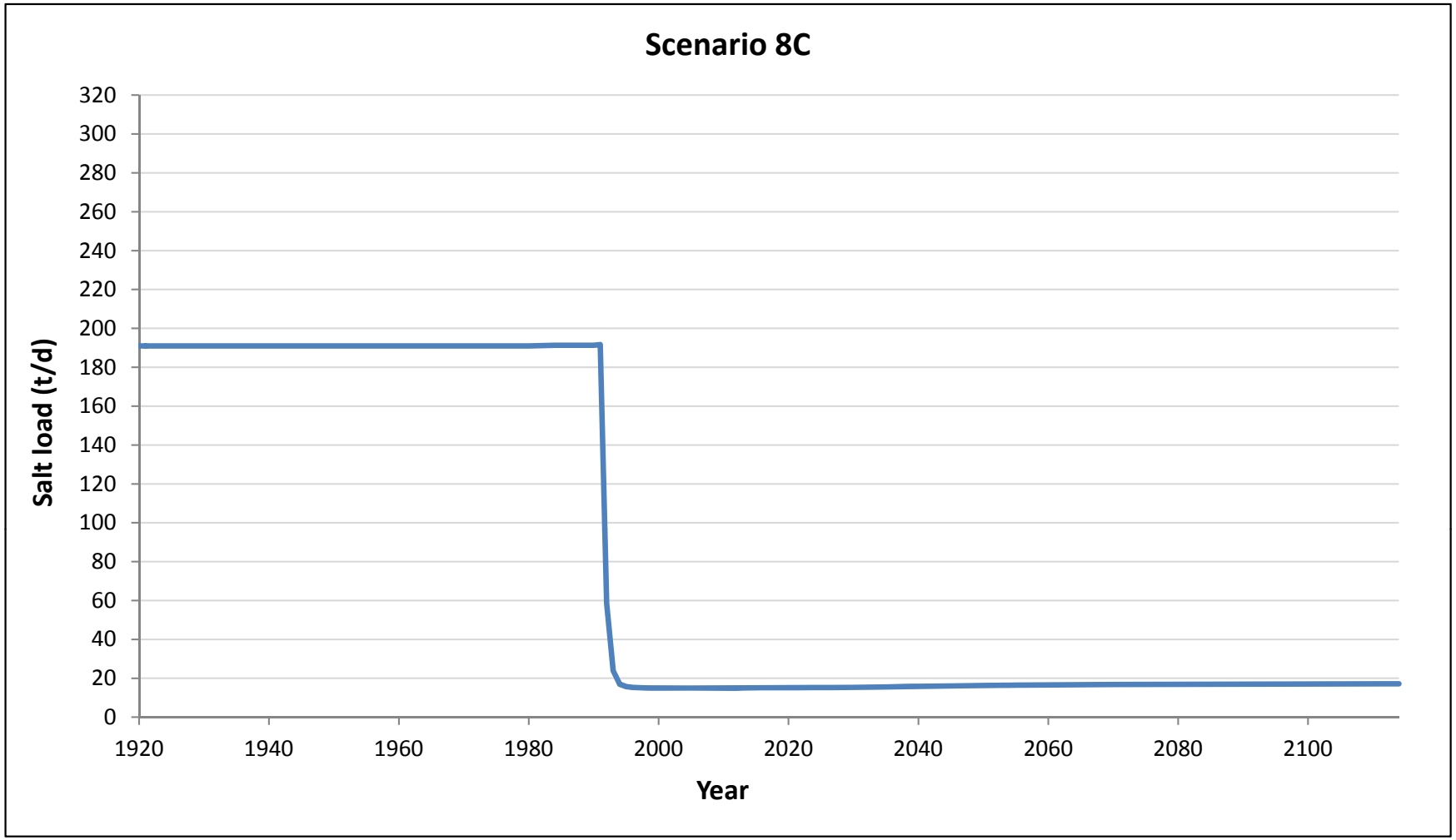
B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
44927	45292	2023	2024	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
45292	45658	2024	2025	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.8	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
45658	46023	2025	2026	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.2
46023	46388	2026	2027	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
46388	46753	2027	2028	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
46753	47119	2028	2029	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
47119	47484	2029	2030	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
47484	47849	2030	2031	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.3
47849	48214	2031	2032	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.4
48214	48580	2032	2033	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.4
48580	48945	2033	2034	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.4
48945	49310	2034	2035	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.4	1.2	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.5
49310	49675	2035	2036	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.7
49675	50041	2036	2037	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.0	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.8
50041	50406	2037	2038	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	15.8
50406	50771	2038	2039	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.9
50771	51136	2039	2040	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.9
51136	51502	2040	2041	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.9
51502	51867	2041	2042	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.0	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.0
51867	52232	2042	2043	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.3	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.0
52232	52597	2043	2044	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.0
52597	52963	2044	2045	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.1
52963	53328	2045	2046	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.1
53328	53693	2046	2047	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.1
53693	54058	2047	2048	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.2
54058	54424	2048	2049	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.2
54424	54789	2049	2050	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	16.3
54789	55154	2050	2051	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	0.9	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.3
55154	55519	2051	2052	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	0.9	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
55519	55885	2052	2053	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
55885	56250	2053	2054	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.4
56250	56615	2054	2055	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
56615	56980	2055	2056	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
56980	57346	2056	2057	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.5
57346	57711	2057	2058	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.6
57711	58076	2058	2059	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.1	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.6
58076	58441	2059	2060	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.6
58441	58807	2060	2061	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.6
58807	59172	2061	2062	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.7
59172	59537	2062	2063	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.7
59537	59902	2063	2064	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.7
59902	60268	2064	2065	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.7
60268	60633	2065	2066	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.7
60633	60998	2066	2067	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.7
60998	61363	2067	2068	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	16.8
61363	61729	2068	2069	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z11	Z12	Z13	Z14	Z15	Z16	Z17	Z18	Z19	Z20	Z21	Z22	Z23	Z24	Z25	Z26	Z27	Z28	Z29	Z30	Z31	Z32	Z33	Z34	Z35	Z36	Z37	Z38	Z39	Z40	Z41	Z42	Total salt load (t/d)
61729	62094	2069	2070	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
62094	62459	2070	2071	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.5	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
62459	62824	2071	2072	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
62824	63190	2072	2073	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
63190	63555	2073	2074	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.8
63555	63920	2074	2075	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
63920	64285	2075	2076	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
64285	64651	2076	2077	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.1	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
64651	65016	2077	2078	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
65016	65381	2078	2079	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
65381	65746	2079	2080	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
65746	66112	2080	2081	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
66112	66477	2081	2082	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
66477	66842	2082	2083	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
66842	67207	2083	2084	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	16.9
67207	67573	2084	2085	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
67573	67938	2085	2086	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.6	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
67938	68303	2086	2087	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
68303	68668	2087	2088	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
68668	69034	2088	2089	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
69034	69399	2089	2090	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
69399	69764	2090	2091	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
69764	70129	2091	2092	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
70129	70495	2092	2093	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
70495	70860	2093	2094	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
70860	71225	2094	2095	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
71225	71590	2095	2096	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
71590	71956	2096	2097	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.0
71956	72321	2097	2098	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
72321	72686	2098	2099	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.1	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
72686	73051	2099	2100	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
73051	73416	2100	2101	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
73416	73781	2101	2102	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
73781	74146	2102	2103	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
74146	74511	2103	2104	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
74511	74877	2104	2105	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
74877	75242	2105	2106	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
75242	75607	2106	2107	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
75607	75972	2107	2108	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
75972	76338	2108	2109	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
76338	76703	2109	2110	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
76703	77068	2110	2111	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
77068	77433	2111	2112	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
77433	77799	2112	2113	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
77799	78164	2113	2114	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.4	0.4	0.3	0.1	0.3	1.0	1.0	1.2	3.2	1.2	1.7	1.6	1.4	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.1
			Salinity (mg/L)	16886	16886	18821	20272	19650	19995	24413	23173	23173	22068	21446	18337	19719	21792	22759	21377	22621	22552	21308	21446	20755	22828	22828	22206	19581	18890	17557	21377	20133	20133	21101	21170	

B-3b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Woolpunda (S8C)(Part 3/3)



B-3b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Woolpunda (S8C)

B-4 SUMMARY OF SALT LOAD IN OVERLAND CORNER

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

Scenario	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

B-4. 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	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1921	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1923	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1925	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1930	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1950	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1970	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1975	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1980	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1984	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1988	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1989	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1990	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1991	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1992	25.3	25.4	25.3	25.3	25.3	25.3	25.3	25.3	25.3
1993	25.3	25.5	25.3	25.3	25.3	25.3	23.2	23.2	23.2
1994	25.3	25.5	25.3	25.3	25.3	25.3	22.5	22.5	22.5
1995	25.3	25.5	25.3	25.3	25.3	25.3	22.2	22.2	22.2
1996	25.3	25.5	25.4	25.4	25.3	25.3	22.0	22.1	22.0
1997	25.3	25.5	25.5	25.5	25.3	25.3	21.8	22.0	21.8
1998	25.3	25.5	25.6	25.5	25.3	25.3	21.7	21.9	21.7
1999	25.3	25.5	25.6	25.6	25.3	25.3	21.7	21.9	21.7
2000	25.3	25.5	25.7	25.6	25.3	25.3	21.6	21.9	21.6
2001	25.3	25.5	25.7	25.7	25.3	25.3	21.6	21.8	21.6
2002	25.3	25.5	25.8	25.7	25.4	25.4	21.6	21.8	21.6
2003	25.3	25.5	25.8	25.8	25.4	25.4	21.5	21.8	21.5
2004	25.3	25.5	25.9	25.8	25.5	25.5	21.6	21.8	21.6
2005	25.3	25.5	25.9	25.8	25.6	25.6	21.6	21.7	21.6
2006	25.3	25.5	25.9	25.8	25.8	25.8	21.8	21.7	21.8
2007	25.3	25.6	25.9	25.8	25.9	25.9	21.9	21.7	21.9
2008	25.3	25.6	25.9	25.8	26.3	26.3	22.2	21.7	22.2
2009	25.3	25.6	25.9	25.8	26.4	26.4	22.3	21.7	22.3
2010	25.3	25.6	25.9	25.8	26.4	26.4	22.3	21.6	22.3
2011	25.3	25.6	25.9	25.8	26.4	26.4	22.3	21.6	22.3
2012	25.3	25.6	25.9	25.8	26.6	26.6	22.4	21.6	22.4
2013	25.3	25.6	25.9	25.8	27.5	27.5	23.3	21.6	23.3
2014	25.3	25.6	25.9	25.8	28.3	28.3	23.9	21.6	23.9
2015	25.3	25.6	25.9	25.8	28.8	28.8	24.3	21.6	24.3
2016	25.3	25.6	25.9	25.8	29.1	29.1	24.5	21.6	24.5
2017	25.3	25.6	25.9	25.8	29.4	29.4	24.7	21.6	24.7
2018	25.3	25.6	25.9	25.8	29.6	29.6	24.9	21.5	24.9
2019	25.3	25.6	25.9	25.8	29.7	29.7	25.0	21.5	25.0
2020	25.3	25.6	25.9	25.8	29.8	29.8	25.0	21.5	25.0
2021	25.3	25.6	25.9	25.8	29.9	29.9	25.1	21.5	25.1
2022	25.3	25.6	25.9	25.8	30.0	30.0	25.1	21.5	25.1
2023	25.3	25.7	25.9	25.8	30.0	30.0	25.1	21.5	25.1

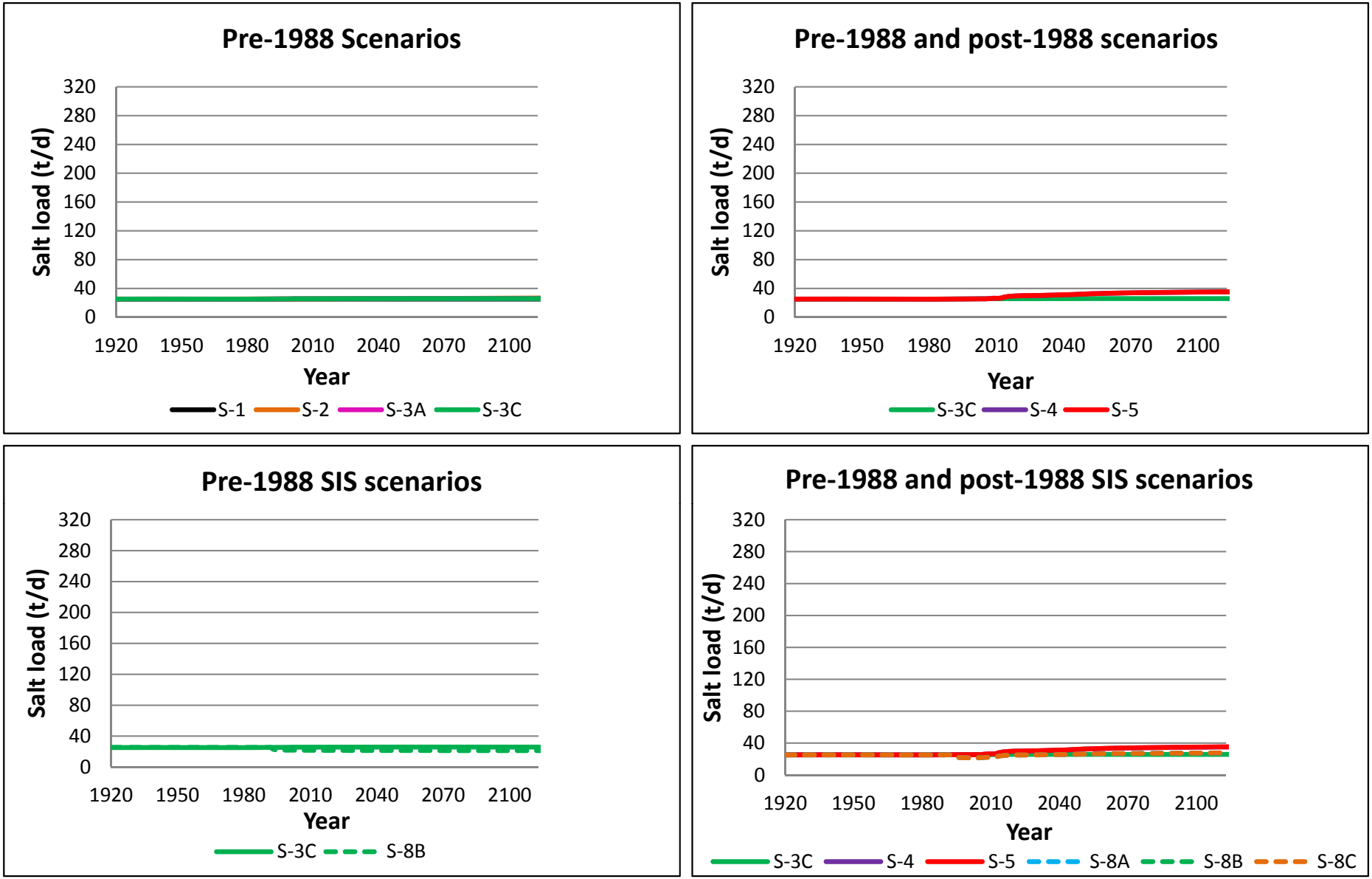
B-4. Modelled Total Salt Load (t/d) Entering the River Murray in Overland Corner for all Scenarios (Part 1/3)

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)
2024	25.3	25.7	25.9	25.8	30.1	30.1	25.1	21.5	25.1
2025	25.3	25.7	25.9	25.8	30.1	30.1	25.1	21.5	25.1
2026	25.3	25.7	25.9	25.8	30.1	30.1	25.1	21.5	25.1
2027	25.3	25.7	25.9	25.8	30.2	30.2	25.1	21.5	25.1
2028	25.3	25.7	25.9	25.8	30.2	30.2	25.2	21.5	25.2
2029	25.3	25.7	25.9	25.8	30.3	30.3	25.2	21.5	25.2
2030	25.3	25.7	25.9	25.8	30.3	30.3	25.3	21.5	25.3
2031	25.3	25.7	25.9	25.8	30.4	30.4	25.3	21.5	25.3
2032	25.3	25.7	25.9	25.8	30.5	30.5	25.4	21.4	25.4
2033	25.3	25.7	25.9	25.8	30.6	30.6	25.4	21.4	25.4
2034	25.3	25.8	25.9	25.8	30.7	30.7	25.4	21.4	25.4
2035	25.3	25.8	25.9	25.8	30.7	30.7	25.5	21.4	25.5
2036	25.3	25.8	25.9	25.8	30.8	30.8	25.5	21.4	25.5
2037	25.3	25.8	25.9	25.8	30.9	30.9	25.5	21.4	25.5
2038	25.3	25.8	25.9	25.8	31.0	31.0	25.5	21.4	25.5
2039	25.3	25.8	25.9	25.8	31.1	31.1	25.6	21.4	25.6
2040	25.3	25.8	25.9	25.8	31.2	31.2	25.6	21.4	25.6
2041	25.3	25.8	25.9	25.8	31.3	31.3	25.7	21.4	25.7
2042	25.3	25.8	25.9	25.8	31.4	31.4	25.7	21.4	25.7
2043	25.3	25.8	25.9	25.8	31.5	31.5	25.7	21.4	25.7
2044	25.3	25.9	25.9	25.8	31.6	31.6	25.8	21.4	25.8
2045	25.3	25.9	25.9	25.8	31.7	31.7	25.8	21.4	25.8
2046	25.3	25.9	25.9	25.8	31.9	31.9	25.9	21.4	25.9
2047	25.3	25.9	25.9	25.8	32.0	32.0	26.0	21.4	26.0
2048	25.3	25.9	25.9	25.8	32.2	32.2	26.1	21.4	26.1
2049	25.3	25.9	25.9	25.8	32.3	32.3	26.2	21.4	26.2
2050	25.3	25.9	25.9	25.8	32.4	32.4	26.2	21.4	26.2
2051	25.3	25.9	25.9	25.8	32.5	32.5	26.3	21.4	26.3
2052	25.3	25.9	25.9	25.8	32.6	32.6	26.4	21.4	26.4
2053	25.3	25.9	25.9	25.8	32.8	32.8	26.4	21.4	26.4
2054	25.3	26.0	25.9	25.8	32.8	32.8	26.5	21.4	26.5
2055	25.3	26.0	25.9	25.8	32.9	32.9	26.5	21.4	26.5
2056	25.3	26.0	25.9	25.8	33.0	33.0	26.6	21.4	26.6
2057	25.3	26.0	25.9	25.8	33.1	33.1	26.6	21.4	26.6
2058	25.3	26.0	25.9	25.8	33.2	33.2	26.6	21.3	26.6
2059	25.3	26.0	25.9	25.8	33.3	33.3	26.7	21.3	26.7
2060	25.3	26.0	25.9	25.8	33.3	33.3	26.7	21.3	26.7
2061	25.3	26.0	25.9	25.8	33.4	33.4	26.8	21.3	26.8
2062	25.3	26.0	25.9	25.8	33.5	33.5	26.8	21.3	26.8
2063	25.3	26.0	25.9	25.8	33.5	33.5	26.8	21.3	26.8
2064	25.3	26.1	25.9	25.8	33.6	33.6	26.8	21.3	26.8
2065	25.3	26.1	25.9	25.8	33.6	33.7	26.9	21.3	26.9
2066	25.3	26.1	25.9	25.8	33.7	33.7	26.9	21.3	26.9
2067	25.3	26.1	25.9	25.8	33.8	33.8	26.9	21.3	26.9
2068	25.3	26.1	25.9	25.8	33.8	33.8	27.0	21.3	27.0
2069	25.3	26.1	25.9	25.8	33.9	33.9	27.0	21.3	27.0

B-4. Modelled Total Salt Load (t/d) Entering the River Murray in Overland Corner for all Scenarios (Part 2/3)

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)
2070	25.3	26.1	25.9	25.8	33.9	33.9	27.0	21.3	27.0
2071	25.3	26.1	25.9	25.8	34.0	34.0	27.0	21.3	27.0
2072	25.3	26.2	25.9	25.8	34.0	34.0	27.1	21.3	27.1
2073	25.3	26.2	25.9	25.8	34.0	34.1	27.1	21.3	27.1
2074	25.3	26.2	25.9	25.8	34.1	34.1	27.1	21.3	27.1
2075	25.3	26.2	25.9	25.8	34.1	34.1	27.1	21.3	27.1
2076	25.3	26.2	25.9	25.8	34.2	34.2	27.1	21.3	27.1
2077	25.3	26.2	25.9	25.8	34.2	34.2	27.2	21.3	27.2
2078	25.3	26.2	25.9	25.8	34.3	34.3	27.2	21.3	27.2
2079	25.3	26.3	25.9	25.8	34.3	34.3	27.2	21.3	27.2
2080	25.3	26.3	25.9	25.8	34.3	34.3	27.2	21.3	27.2
2081	25.3	26.3	25.9	25.8	34.4	34.4	27.2	21.3	27.2
2082	25.3	26.3	25.9	25.8	34.4	34.4	27.2	21.3	27.3
2083	25.3	26.3	25.9	25.8	34.4	34.4	27.3	21.3	27.3
2084	25.3	26.3	25.9	25.8	34.5	34.5	27.3	21.3	27.3
2085	25.3	26.3	25.9	25.8	34.5	34.5	27.3	21.3	27.3
2086	25.3	26.4	25.9	25.8	34.5	34.6	27.3	21.3	27.3
2087	25.3	26.4	25.9	25.8	34.6	34.6	27.3	21.3	27.3
2088	25.3	26.4	25.9	25.8	34.6	34.6	27.3	21.3	27.3
2089	25.3	26.4	25.9	25.8	34.6	34.6	27.4	21.3	27.4
2090	25.3	26.4	25.9	25.8	34.7	34.7	27.4	21.3	27.4
2091	25.3	26.4	25.9	25.8	34.7	34.7	27.4	21.3	27.4
2092	25.3	26.4	25.9	25.8	34.7	34.7	27.4	21.3	27.4
2093	25.3	26.4	25.9	25.8	34.7	34.8	27.4	21.3	27.4
2094	25.3	26.5	25.9	25.8	34.8	34.8	27.4	21.3	27.4
2095	25.3	26.5	25.9	25.8	34.8	34.8	27.4	21.3	27.4
2096	25.3	26.5	25.9	25.8	34.8	34.8	27.4	21.3	27.5
2097	25.3	26.5	25.9	25.8	34.8	34.9	27.5	21.3	27.5
2098	25.3	26.5	25.9	25.8	34.9	34.9	27.5	21.3	27.5
2099	25.3	26.5	25.9	25.8	34.9	34.9	27.5	21.3	27.5
2100	25.3	26.6	25.9	25.8	34.9	34.9	27.5	21.3	27.5
2101	25.3	26.6	25.9	25.8	34.9	35.0	27.5	21.3	27.5
2102	25.3	26.6	25.9	25.8	35.0	35.0	27.5	21.3	27.5
2103	25.3	26.6	25.9	25.8	35.0	35.0	27.5	21.3	27.5
2104	25.3	26.6	25.9	25.8	35.0	35.0	27.5	21.3	27.5
2105	25.3	26.6	25.9	25.8	35.0	35.1	27.5	21.3	27.6
2106	25.3	26.7	25.9	25.8	35.1	35.1	27.6	21.3	27.6
2107	25.3	26.7	25.9	25.8	35.1	35.1	27.6	21.3	27.6
2108	25.3	26.7	25.9	25.8	35.1	35.1	27.6	21.3	27.6
2109	25.3	26.7	25.9	25.8	35.1	35.1	27.6	21.3	27.6
2110	25.3	26.7	25.9	25.8	35.1	35.2	27.6	21.3	27.6
2111	25.3	26.7	25.9	25.8	35.2	35.2	27.6	21.3	27.6
2112	25.3	26.7	25.9	25.8	35.2	35.2	27.6	21.3	27.6
2113	25.3	26.8	25.9	25.8	35.2	35.2	27.6	21.3	27.6
2114	25.3	26.8	25.9	25.8	35.2	35.2	27.6	21.3	27.6

B-4. Modelled Total Salt Load (t/d) Entering the River Murray in Overland Corner for all Scenarios (Part 3/3)



B-4. Graphs of Modelled Total Salt Load (t/d) Entering the River Murray in Overland Corner for all Scenarios

B-5 SUMMARY OF FLUX FOR OVERLAND CORNER

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

Scenario	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

B-5. 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	3452	3452	3452	3452	3452	3452	3452	3452	3452
1921	3452	3452	3452	3452	3452	3452	3452	3452	3452
1923	3452	3452	3452	3452	3452	3452	3452	3452	3452
1925	3452	3452	3452	3452	3452	3452	3452	3452	3452
1930	3452	3452	3452	3452	3452	3452	3452	3452	3452
1950	3452	3452	3452	3452	3452	3452	3452	3452	3452
1970	3452	3454	3452	3452	3452	3452	3452	3452	3452
1975	3452	3456	3452	3452	3452	3452	3452	3452	3452
1980	3452	3459	3452	3452	3452	3452	3452	3452	3452
1984	3452	3463	3452	3452	3452	3452	3452	3452	3452
1988	3452	3463	3452	3452	3452	3452	3452	3452	3452
1989	3452	3466	3452	3452	3452	3452	3452	3452	3452
1990	3452	3467	3452	3452	3452	3452	3452	3452	3452
1991	3452	3467	3452	3452	3452	3452	3452	3452	3452
1992	3452	3468	3452	3452	3452	3452	3452	3452	3452
1993	3452	3469	3452	3452	3452	3452	3326	3326	3326
1994	3452	3470	3452	3452	3452	3452	3281	3281	3281
1995	3452	3471	3452	3452	3452	3452	3257	3257	3257
1996	3452	3472	3461	3460	3452	3452	3243	3250	3243
1997	3452	3472	3470	3467	3452	3452	3233	3246	3233
1998	3452	3472	3474	3471	3452	3452	3226	3242	3226
1999	3452	3473	3477	3473	3452	3452	3221	3238	3221
2000	3452	3473	3479	3474	3452	3452	3217	3234	3217
2001	3452	3473	3484	3479	3456	3456	3215	3233	3215
2002	3452	3473	3490	3483	3460	3460	3213	3231	3213
2003	3452	3475	3493	3487	3463	3463	3211	3229	3211
2004	3452	3476	3496	3489	3472	3472	3216	3228	3216
2005	3452	3478	3498	3490	3475	3475	3216	3226	3216
2006	3452	3478	3499	3491	3500	3500	3238	3224	3238
2007	3452	3479	3499	3491	3520	3520	3256	3222	3256
2008	3452	3479	3500	3492	3556	3556	3290	3221	3290
2009	3452	3479	3500	3492	3565	3565	3297	3219	3297
2010	3452	3480	3500	3492	3570	3570	3300	3218	3300
2011	3452	3480	3500	3492	3572	3572	3301	3217	3301
2012	3452	3480	3501	3492	3586	3586	3313	3216	3313
2013	3452	3482	3501	3493	3658	3658	3377	3215	3377
2014	3452	3484	3501	3493	3714	3714	3423	3214	3423
2015	3452	3485	3501	3493	3762	3762	3461	3213	3461
2016	3452	3486	3501	3493	3789	3789	3480	3212	3480
2017	3452	3486	3501	3493	3811	3811	3497	3211	3497
2018	3452	3487	3501	3493	3830	3830	3511	3210	3510
2019	3452	3487	3501	3493	3842	3842	3519	3209	3519
2020	3452	3487	3501	3493	3850	3850	3524	3209	3524
2021	3452	3488	3501	3493	3856	3856	3528	3208	3528
2022	3452	3488	3501	3493	3861	3861	3530	3207	3530
2023	3452	3490	3501	3493	3866	3866	3532	3207	3532

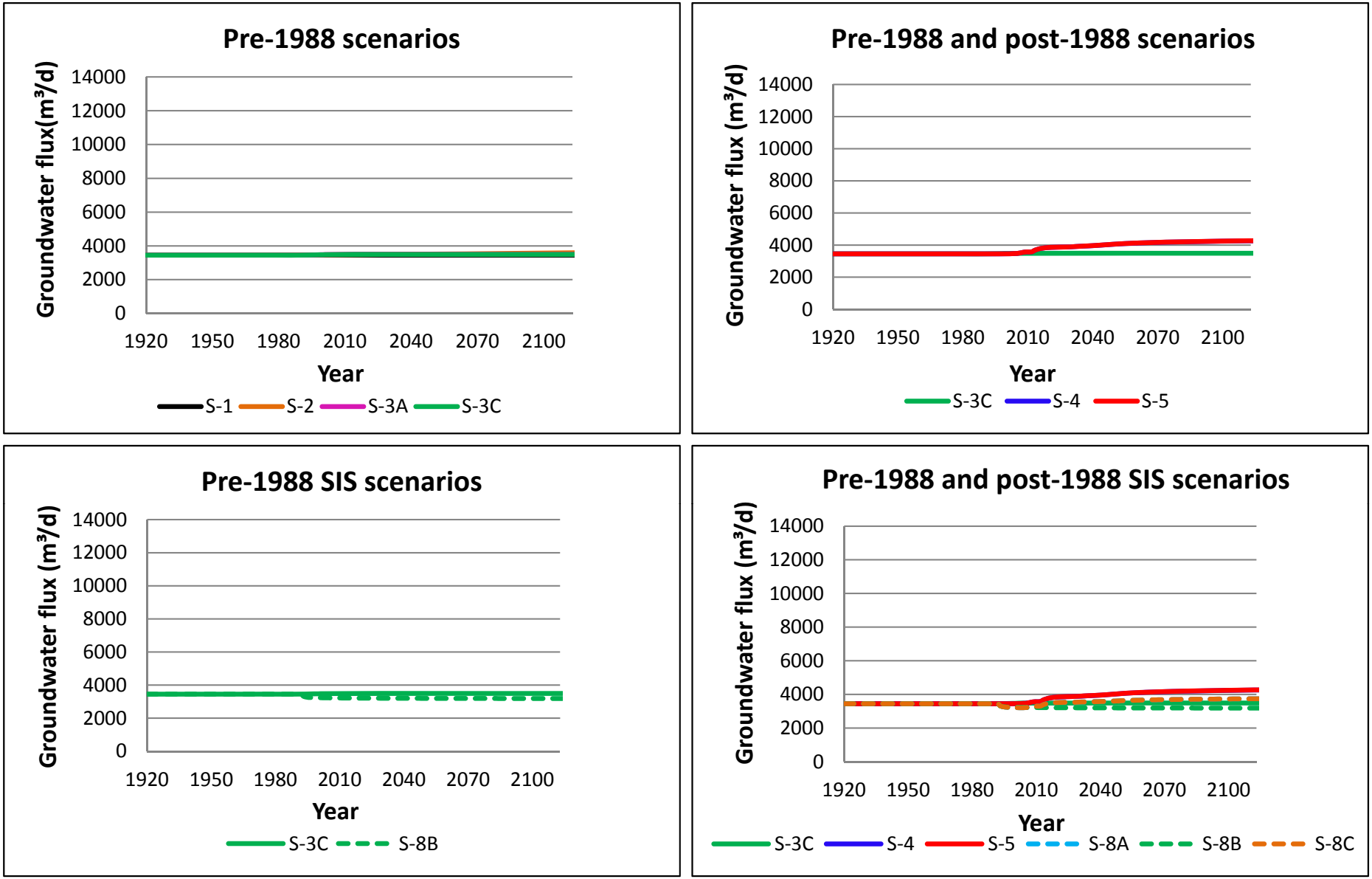
B-5. Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner for all Scenarios (Part 1/3)

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)
2024	3452	3491	3501	3493	3870	3870	3534	3206	3534
2025	3452	3492	3501	3493	3873	3873	3535	3206	3535
2026	3452	3493	3501	3493	3876	3876	3536	3205	3536
2027	3452	3494	3501	3493	3878	3878	3536	3204	3536
2028	3452	3494	3501	3493	3881	3881	3538	3204	3538
2029	3452	3495	3501	3493	3888	3888	3543	3203	3543
2030	3452	3495	3501	3493	3895	3895	3548	3203	3548
2031	3452	3496	3501	3493	3903	3903	3553	3202	3553
2032	3452	3496	3501	3493	3910	3910	3557	3202	3557
2033	3452	3498	3501	3493	3917	3917	3561	3202	3561
2034	3452	3499	3501	3493	3924	3924	3565	3201	3565
2035	3452	3500	3501	3493	3930	3930	3568	3201	3568
2036	3452	3501	3501	3493	3937	3937	3571	3200	3571
2037	3452	3502	3501	3493	3942	3942	3573	3200	3573
2038	3452	3503	3501	3493	3948	3948	3576	3199	3576
2039	3452	3503	3501	3493	3955	3955	3579	3199	3579
2040	3452	3504	3501	3493	3963	3963	3582	3199	3582
2041	3452	3504	3501	3493	3971	3971	3586	3198	3586
2042	3452	3505	3501	3493	3980	3980	3590	3198	3590
2043	3452	3506	3501	3493	3988	3988	3593	3198	3593
2044	3452	3508	3501	3493	3996	3996	3597	3197	3597
2045	3452	3509	3501	3493	4005	4005	3602	3197	3602
2046	3452	3510	3501	3493	4016	4016	3608	3197	3608
2047	3452	3511	3501	3493	4026	4027	3615	3197	3615
2048	3452	3512	3501	3493	4037	4037	3621	3196	3621
2049	3452	3513	3501	3493	4047	4047	3627	3196	3627
2050	3452	3513	3501	3493	4056	4056	3633	3196	3633
2051	3452	3514	3501	3493	4064	4064	3638	3195	3638
2052	3452	3514	3501	3493	4072	4072	3642	3195	3642
2053	3452	3516	3501	3493	4080	4080	3647	3195	3647
2054	3452	3517	3501	3493	4087	4087	3651	3195	3651
2055	3452	3519	3501	3493	4094	4094	3654	3194	3654
2056	3452	3520	3501	3493	4100	4100	3658	3194	3658
2057	3452	3521	3501	3493	4107	4107	3661	3194	3661
2058	3452	3522	3501	3493	4112	4112	3664	3194	3664
2059	3452	3523	3501	3493	4118	4118	3667	3194	3668
2060	3452	3524	3501	3493	4123	4123	3670	3193	3670
2061	3452	3524	3501	3493	4128	4129	3673	3193	3673
2062	3452	3525	3501	3493	4133	4133	3676	3193	3676
2063	3452	3526	3501	3493	4138	4138	3678	3193	3678
2064	3452	3528	3501	3493	4143	4143	3681	3193	3681
2065	3452	3529	3501	3493	4147	4147	3683	3192	3683
2066	3452	3531	3501	3493	4151	4151	3686	3192	3686
2067	3452	3532	3501	3493	4155	4156	3688	3192	3688
2068	3452	3533	3501	3493	4159	4160	3690	3192	3690
2069	3452	3534	3501	3493	4163	4163	3692	3192	3692

B-5. Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner for all Scenarios (Part 2/3)

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)
2070	3452	3534	3501	3493	4167	4167	3694	3191	3694
2071	3452	3535	3501	3493	4170	4171	3696	3191	3696
2072	3452	3536	3501	3493	4174	4174	3698	3191	3698
2073	3452	3538	3501	3493	4177	4178	3700	3191	3700
2074	3452	3539	3501	3493	4180	4181	3701	3191	3701
2075	3452	3541	3501	3493	4184	4184	3703	3190	3703
2076	3452	3542	3501	3493	4187	4187	3705	3190	3705
2077	3452	3543	3501	3493	4190	4190	3706	3190	3706
2078	3452	3544	3501	3493	4193	4193	3708	3190	3708
2079	3452	3545	3501	3493	4196	4196	3709	3190	3709
2080	3452	3546	3501	3493	4199	4199	3711	3190	3711
2081	3452	3547	3501	3493	4201	4202	3712	3190	3712
2082	3452	3548	3501	3493	4204	4205	3714	3189	3714
2083	3452	3549	3501	3493	4207	4207	3715	3189	3715
2084	3452	3551	3501	3493	4209	4210	3716	3189	3717
2085	3452	3552	3501	3493	4212	4212	3718	3189	3718
2086	3452	3554	3501	3493	4214	4215	3719	3189	3719
2087	3452	3555	3501	3493	4216	4217	3720	3189	3720
2088	3452	3556	3501	3493	4219	4220	3721	3189	3722
2089	3452	3557	3501	3493	4221	4222	3723	3188	3723
2090	3452	3558	3502	3493	4223	4224	3724	3188	3724
2091	3452	3560	3502	3493	4225	4227	3725	3188	3725
2092	3452	3561	3502	3493	4227	4229	3726	3188	3726
2093	3452	3562	3502	3493	4229	4231	3727	3188	3727
2094	3452	3563	3502	3493	4231	4233	3728	3188	3729
2095	3452	3565	3502	3493	4233	4235	3729	3188	3730
2096	3452	3566	3502	3493	4235	4237	3730	3188	3731
2097	3452	3568	3502	3493	4237	4239	3731	3187	3732
2098	3452	3569	3502	3493	4239	4241	3732	3187	3733
2099	3452	3570	3502	3493	4241	4243	3733	3187	3734
2100	3452	3571	3502	3493	4243	4245	3734	3187	3735
2101	3452	3572	3502	3493	4244	4246	3735	3187	3736
2102	3452	3574	3502	3493	4246	4248	3736	3187	3736
2103	3452	3575	3502	3493	4248	4250	3737	3187	3737
2104	3452	3576	3502	3493	4250	4252	3738	3187	3738
2105	3452	3578	3502	3493	4251	4253	3738	3187	3739
2106	3452	3579	3502	3493	4253	4255	3739	3186	3740
2107	3452	3581	3502	3493	4254	4257	3740	3186	3741
2108	3452	3582	3502	3493	4256	4258	3741	3186	3742
2109	3452	3584	3502	3493	4257	4260	3742	3186	3742
2110	3452	3585	3502	3493	4259	4261	3742	3186	3743
2111	3452	3586	3502	3493	4260	4263	3743	3186	3744
2112	3452	3587	3502	3493	4262	4264	3744	3186	3745
2113	3452	3589	3502	3493	4263	4266	3745	3186	3745
2114	3452	3590	3502	3493	4265	4267	3745	3186	3746

B-5. Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner for all Scenarios (Part 3/3)



B-5. Graphs of Modelled Total Groundwater Flux (m³/d) Entering the River Murray in Overland Corner for all Scenarios

B-6 DETAILED FLUX AND SALT LOAD FOR ALL SCENARIOS IN OVERLAND CORNER

- 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	Description	Simulated Period	Irrigation development	IIP	SIS
S-1	Natural System (Steady State since 1920)	Steady state	None	No	No
S-2	Mallee Clearance	1920-CY100	None	No	No
S-3A	Irrigation Pre-1988, no IIP, no RH	1988-CY100	Pre-1988	No	No
S-3C	Irrigation Pre1988, with IIP & RH	1988-CY100	Pre-1988	Yes	No
S-4	Current Irrigation	1988-CY100	Pre-1988 + Post-1988	Yes	No
S-5	Current Irrigation plus Future Irrigation	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	No
S-8A	Current Irrigation plus Constructed SIS	1988-CY100	Pre-1988 + Post 1988	Yes	Yes
S-8B	Pre-1988, with IIP & RH plus Constructed SIS	1988-CY100	Pre-1988	Yes	Yes
S-8C	Current Irrigation plus Future Irrigation and Constructed SIS	1988-CY100	Pre-1988 + Post-1988 + Future development	Yes	Yes

IIP = Improved irrigation practices *SIS = Salt interception scheme*

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

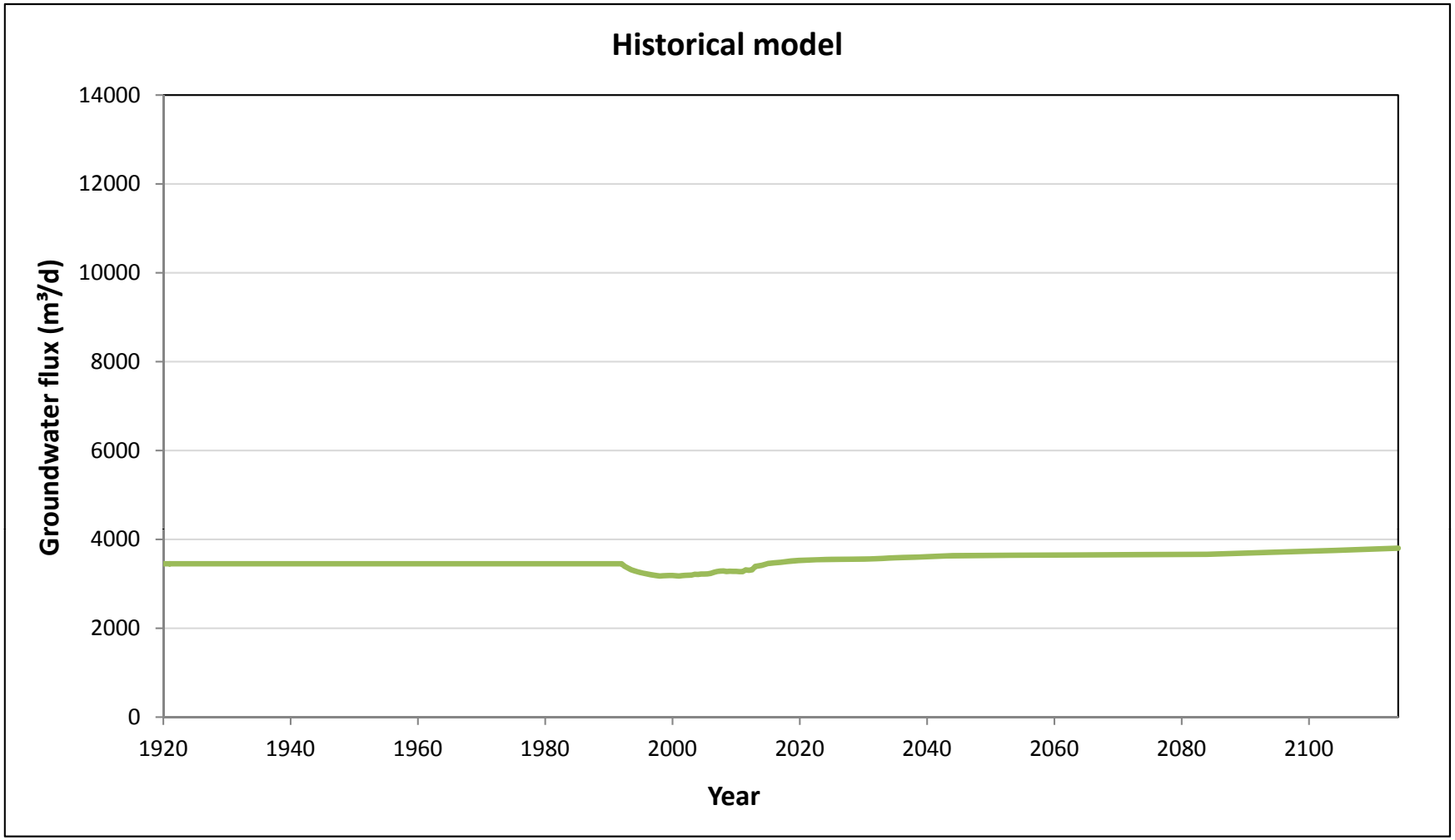
B-6. Model Scenario Conditions

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32874	1988	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33420	1991	1991.5	262	187	363	114	712	1815	3452
33420	33604	1991.5	1992	262	187	363	114	712	1815	3452
33604	33786	1992	1992.5	237	184	362	106	693	1813	3394
33786	33970	1992.5	1993	222	179	361	101	680	1810	3352
33970	34151	1993	1993.5	210	176	359	96	669	1808	3319
34151	34335	1993.5	1994	200	173	358	94	663	1806	3293
34335	34516	1994	1994.5	194	170	357	91	656	1804	3273
34516	34700	1994.5	1995	188	168	356	89	650	1803	3254
34700	34881	1995	1995.5	183	167	355	87	644	1801	3238
34881	35065	1995.5	1996	178	165	355	86	640	1800	3223
35065	35247	1996	1996.5	171	163	354	85	637	1798	3209
35247	35431	1996.5	1997	166	162	353	84	634	1797	3197
35431	35612	1997	1997.5	158	161	353	84	633	1796	3185
35612	35796	1997.5	1998	153	159	352	84	632	1796	3175
35796	35977	1998	1998.5	156	159	352	85	634	1795	3181
35977	36161	1998.5	1999	158	159	352	86	635	1795	3185
36161	36342	1999	1999.5	160	159	352	86	636	1795	3188
36342	36526	1999.5	2000	161	159	352	87	637	1795	3190
36526	36708	2000	2000.5	153	159	351	87	637	1795	3182
36708	36892	2000.5	2001	148	158	351	88	637	1795	3177
36892	37073	2001	2001.5	151	158	351	90	642	1795	3186
37073	37257	2001.5	2002	152	158	351	91	645	1795	3192
37257	37438	2002	2002.5	150	158	351	92	648	1796	3195
37438	37622	2002.5	2003	149	158	351	93	650	1796	3197
37622	37803	2003	2003.5	161	159	351	94	655	1797	3215
37803	37987	2003.5	2004	153	159	351	95	659	1797	3214
37987	38169	2004	2004.5	156	159	351	96	661	1798	3221
38169	38353	2004.5	2005	156	159	351	96	662	1798	3221
38353	38534	2005	2005.5	154	159	352	95	662	1802	3223
38534	38718	2005.5	2006	152	159	355	97	666	1807	3238
38718	38899	2006	2006.5	159	160	358	100	671	1812	3260
38899	39083	2006.5	2007	162	162	360	103	677	1815	3279
39083	39264	2007	2007.5	154	163	374	104	674	1819	3288
39264	39448	2007.5	2008	149	163	377	105	675	1821	3290

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (Historical Model)(Part 1/2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
39448	39630	2008	2008.5	140	161	378	105	672	1822	3278
39630	39814	2008.5	2009	144	161	378	105	672	1822	3283
39814	39995	2009	2009.5	147	161	379	104	669	1823	3283
39995	40179	2009.5	2010	148	162	379	103	668	1823	3283
40179	40360	2010	2010.5	145	161	379	102	666	1823	3275
40360	40544	2010.5	2011	138	161	379	104	671	1823	3276
40544	40725	2011	2011.5	152	163	385	109	682	1825	3316
40725	40909	2011.5	2012	142	164	388	108	678	1826	3306
40909	41091	2012	2012.5	150	169	389	110	674	1826	3319
41091	41275	2012.5	2013	164	181	394	127	696	1829	3392
41275	41640	2013	2014	169	185	396	132	703	1831	3415
41640	42005	2014	2015	174	190	402	141	716	1837	3460
42005	42370	2015	2016	175	191	403	144	721	1840	3474
42370	42736	2016	2017	176	193	405	146	724	1841	3484
42736	43101	2017	2018	179	197	409	149	729	1843	3505
43101	43466	2018	2019	181	201	413	151	732	1845	3522
43466	43831	2019	2020	182	202	414	152	733	1845	3528
43831	44197	2020	2021	183	203	415	152	733	1845	3532
44197	44562	2021	2022	184	205	417	153	735	1846	3539
44562	44927	2022	2023	184	205	418	154	735	1847	3543
44927	45292	2023	2024	184	206	419	154	737	1847	3547
45292	45658	2024	2025	185	207	420	155	738	1848	3551
45658	46023	2025	2026	185	207	420	155	739	1848	3552
46023	46388	2026	2027	185	207	420	155	739	1848	3554
46388	46753	2027	2028	185	207	420	155	740	1848	3556
46753	47119	2028	2029	185	207	421	156	741	1849	3557
47119	47484	2029	2030	185	207	421	156	741	1849	3558
47484	47849	2030	2031	184	207	421	156	743	1849	3561
47849	48214	2031	2032	184	208	421	156	746	1851	3567
48214	48580	2032	2033	185	208	421	157	750	1853	3574
48580	48945	2033	2034	185	208	421	157	754	1855	3581
48945	49310	2034	2035	186	208	422	158	758	1857	3587
49310	49675	2035	2036	187	208	422	158	761	1858	3594
49675	50041	2036	2037	188	208	422	159	762	1859	3597
50041	50406	2037	2038	188	209	422	159	763	1859	3600
50406	50771	2038	2039	189	209	422	159	766	1861	3606
50771	51136	2039	2040	190	209	422	159	768	1862	3612
51136	51502	2040	2041	191	209	422	160	771	1863	3617
51502	51867	2041	2042	193	209	422	160	773	1864	3622
51867	52232	2042	2043	195	210	423	161	775	1866	3629
52232	52597	2043	2044	197	211	423	161	778	1867	3636
52597	56250	2044	2054	200	211	423	161	780	1868	3643
56250	59902	2054	2064	203	212	424	162	782	1869	3651
59902	63555	2064	2074	206	213	424	162	784	1870	3659
63555	67207	2074	2084	209	214	425	162	786	1871	3667
67207	70860	2084	2094	226	221	429	164	793	1876	3710
70860	74511	2094	2104	244	229	435	166	799	1880	3753
74511	78164	2104	2114	263	239	442	169	806	1885	3804

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (Historical model)(Part 2/2)



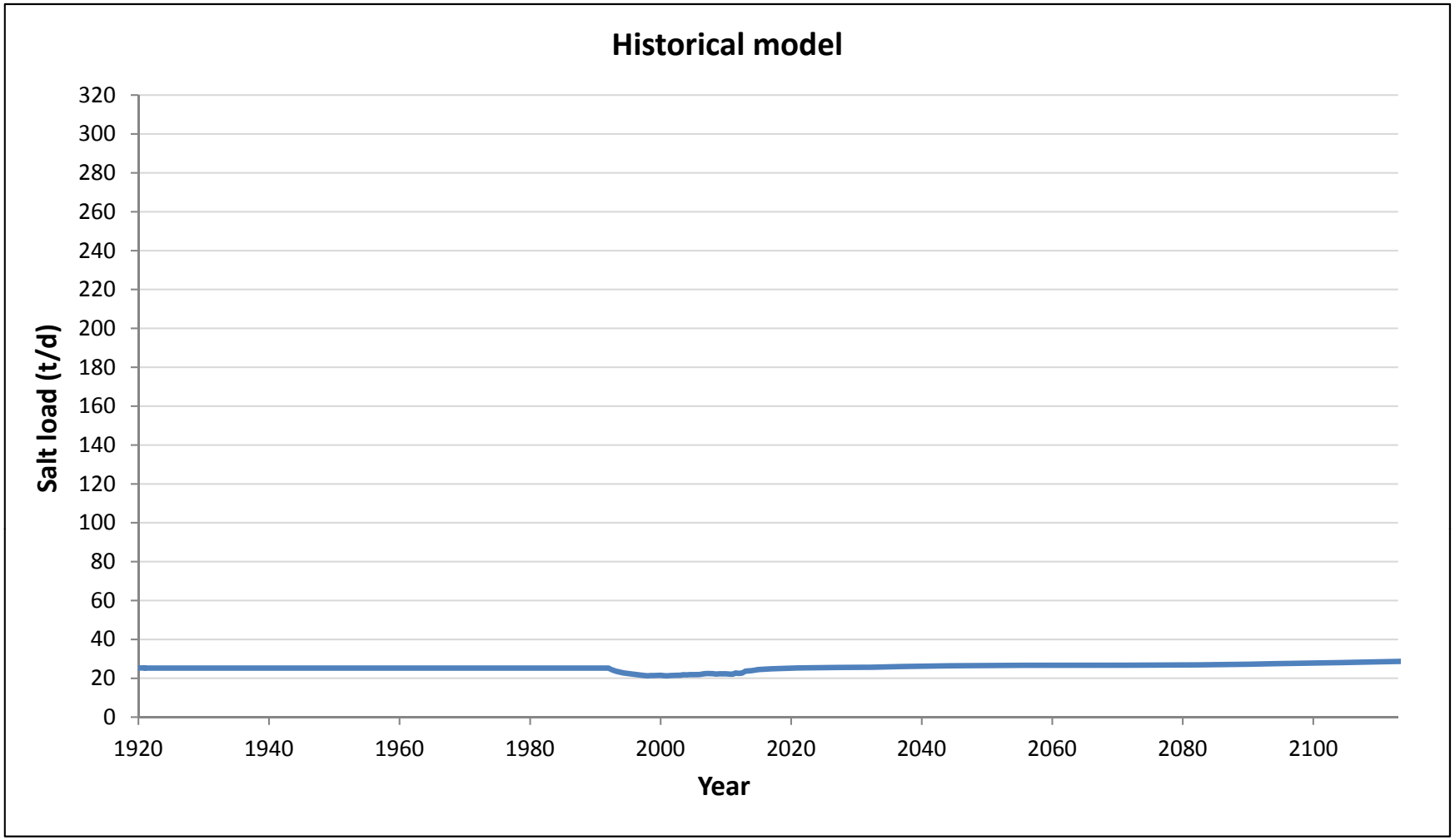
B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (Historical Model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32874	1988	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33420	1991	1991.5	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33420	33604	1991.5	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33786	1992	1992.5	4.6	1.8	3.6	1.4	9.3	3.6	24.4
33786	33970	1992.5	1993	4.3	1.8	3.6	1.3	9.1	3.6	23.8
33970	34151	1993	1993.5	4.1	1.8	3.6	1.3	9.0	3.6	23.3
34151	34335	1993.5	1994	3.9	1.7	3.6	1.3	8.9	3.6	23.0
34335	34516	1994	1994.5	3.8	1.7	3.6	1.2	8.8	3.6	22.7
34516	34700	1994.5	1995	3.6	1.7	3.6	1.2	8.7	3.6	22.4
34700	34881	1995	1995.5	3.5	1.7	3.6	1.2	8.6	3.6	22.2
34881	35065	1995.5	1996	3.4	1.7	3.6	1.2	8.6	3.6	22.0
35065	35247	1996	1996.5	3.3	1.6	3.6	1.1	8.5	3.6	21.8
35247	35431	1996.5	1997	3.2	1.6	3.5	1.1	8.5	3.6	21.6
35431	35612	1997	1997.5	3.1	1.6	3.5	1.1	8.5	3.6	21.4
35612	35796	1997.5	1998	2.9	1.6	3.5	1.1	8.5	3.6	21.3
35796	35977	1998	1998.5	3.0	1.6	3.5	1.1	8.5	3.6	21.4
35977	36161	1998.5	1999	3.1	1.6	3.5	1.2	8.5	3.6	21.4
36161	36342	1999	1999.5	3.1	1.6	3.5	1.2	8.5	3.6	21.5
36342	36526	1999.5	2000	3.1	1.6	3.5	1.2	8.5	3.6	21.5
36526	36708	2000	2000.5	3.0	1.6	3.5	1.2	8.5	3.6	21.4
36708	36892	2000.5	2001	2.9	1.6	3.5	1.2	8.6	3.6	21.3
36892	37073	2001	2001.5	2.9	1.6	3.5	1.2	8.6	3.6	21.4
37073	37257	2001.5	2002	2.9	1.6	3.5	1.2	8.7	3.6	21.5
37257	37438	2002	2002.5	2.9	1.6	3.5	1.2	8.7	3.6	21.5
37438	37622	2002.5	2003	2.9	1.6	3.5	1.2	8.7	3.6	21.6
37622	37803	2003	2003.5	3.1	1.6	3.5	1.3	8.8	3.6	21.9
37803	37987	2003.5	2004	3.0	1.6	3.5	1.3	8.8	3.6	21.8
37987	38169	2004	2004.5	3.0	1.6	3.5	1.3	8.9	3.6	21.9
38169	38353	2004.5	2005	3.0	1.6	3.5	1.3	8.9	3.6	21.9
38353	38534	2005	2005.5	3.0	1.6	3.5	1.3	8.9	3.6	21.9
38534	38718	2005.5	2006	2.9	1.6	3.6	1.3	8.9	3.6	22.0
38718	38899	2006	2006.5	3.1	1.6	3.6	1.3	9.0	3.6	22.2
38899	39083	2006.5	2007	3.1	1.6	3.6	1.4	9.1	3.6	22.5
39083	39264	2007	2007.5	3.0	1.6	3.8	1.4	9.0	3.6	22.5
39264	39448	2007.5	2008	2.9	1.6	3.8	1.4	9.1	3.6	22.4
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (Historical Model)(Part 1/2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
39448	39630	2008	2008.5	2.7	1.6	3.8	1.4	9.0	3.6	22.2
39630	39814	2008.5	2009	2.8	1.6	3.8	1.4	9.0	3.6	22.3
39814	39995	2009	2009.5	2.8	1.6	3.8	1.4	9.0	3.6	22.3
39995	40179	2009.5	2010	2.9	1.6	3.8	1.4	9.0	3.6	22.3
40179	40360	2010	2010.5	2.8	1.6	3.8	1.4	8.9	3.6	22.2
40360	40544	2010.5	2011	2.7	1.6	3.8	1.4	9.0	3.6	22.1
40544	40725	2011	2011.5	2.9	1.6	3.9	1.5	9.2	3.7	22.7
40725	40909	2011.5	2012	2.7	1.6	3.9	1.4	9.1	3.7	22.5
40909	41091	2012	2012.5	2.9	1.7	3.9	1.5	9.1	3.7	22.7
41091	41275	2012.5	2013	3.2	1.8	4.0	1.7	9.3	3.7	23.7
41275	41640	2013	2014	3.3	1.9	4.0	1.8	9.4	3.7	24.0
41640	42005	2014	2015	3.4	1.9	4.0	1.9	9.6	3.7	24.5
42005	42370	2015	2016	3.4	1.9	4.1	1.9	9.7	3.7	24.6
42370	42736	2016	2017	3.4	1.9	4.1	2.0	9.7	3.7	24.8
42736	43101	2017	2018	3.5	2.0	4.1	2.0	9.8	3.7	25.0
43101	43466	2018	2019	3.5	2.0	4.1	2.0	9.8	3.7	25.2
43466	43831	2019	2020	3.5	2.0	4.2	2.0	9.8	3.7	25.3
43831	44197	2020	2021	3.5	2.0	4.2	2.0	9.8	3.7	25.3
44197	44562	2021	2022	3.5	2.1	4.2	2.1	9.9	3.7	25.4
44562	44927	2022	2023	3.6	2.1	4.2	2.1	9.9	3.7	25.4
44927	45292	2023	2024	3.6	2.1	4.2	2.1	9.9	3.7	25.5
45292	45658	2024	2025	3.6	2.1	4.2	2.1	9.9	3.7	25.5
45658	46023	2025	2026	3.6	2.1	4.2	2.1	9.9	3.7	25.5
46023	46388	2026	2027	3.6	2.1	4.2	2.1	9.9	3.7	25.6
46388	46753	2027	2028	3.6	2.1	4.2	2.1	9.9	3.7	25.6
46753	47119	2028	2029	3.6	2.1	4.2	2.1	9.9	3.7	25.6
47119	47484	2029	2030	3.6	2.1	4.2	2.1	9.9	3.7	25.6
47484	47849	2030	2031	3.6	2.1	4.2	2.1	10.0	3.7	25.6
47849	48214	2031	2032	3.6	2.1	4.2	2.1	10.0	3.7	25.7
48214	48580	2032	2033	3.6	2.1	4.2	2.1	10.1	3.7	25.8
48580	48945	2033	2034	3.6	2.1	4.2	2.1	10.1	3.7	25.8
48945	49310	2034	2035	3.6	2.1	4.2	2.1	10.2	3.7	25.9
49310	49675	2035	2036	3.6	2.1	4.2	2.1	10.2	3.7	26.0
49675	50041	2036	2037	3.6	2.1	4.2	2.1	10.2	3.7	26.0
50041	50406	2037	2038	3.6	2.1	4.2	2.1	10.2	3.7	26.1
50406	50771	2038	2039	3.7	2.1	4.2	2.1	10.3	3.7	26.1
50771	51136	2039	2040	3.7	2.1	4.2	2.1	10.3	3.7	26.2
51136	51502	2040	2041	3.7	2.1	4.2	2.1	10.3	3.7	26.3
51502	51867	2041	2042	3.7	2.1	4.2	2.1	10.4	3.7	26.3
51867	52232	2042	2043	3.8	2.1	4.2	2.2	10.4	3.7	26.4
52232	52597	2043	2044	3.8	2.1	4.2	2.2	10.4	3.7	26.5
52597	56250	2044	2054	3.9	2.1	4.3	2.2	10.5	3.7	26.6
56250	59902	2054	2064	3.9	2.1	4.3	2.2	10.5	3.7	26.7
59902	63555	2064	2074	4.0	2.1	4.3	2.2	10.5	3.7	26.8
63555	67207	2074	2084	4.0	2.1	4.3	2.2	10.5	3.7	26.9
67207	70860	2084	2094	4.4	2.2	4.3	2.2	10.6	3.8	27.5
70860	74511	2094	2104	4.7	2.3	4.4	2.2	10.7	3.8	28.1
74511	78164	2104	2114	5.1	2.4	4.4	2.3	10.8	3.8	28.8
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (Historical Model)(Part 2/2)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (Historical Model)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	14611	1930	1940	262	187	363	114	712	1815	3452
14611	18264	1940	1950	262	187	363	114	712	1815	3454
18264	21916	1950	1960	262	187	364	114	712	1816	3456
21916	25569	1960	1970	263	188	364	115	713	1817	3459
25569	27395	1970	1975	263	189	365	115	713	1818	3463
27395	29221	1975	1980	263	189	365	115	714	1818	3463
29221	30682	1980	1984	264	189	366	116	714	1819	3466
30682	32143	1984	1988	264	189	366	116	714	1819	3467
32143	32509	1988	1989	264	189	366	116	714	1819	3467
32509	32874	1989	1990	264	189	366	116	714	1819	3468
32874	33239	1990	1991	264	189	366	116	714	1819	3469
33239	33604	1991	1992	264	189	366	116	715	1820	3470
33604	33970	1992	1993	264	190	367	116	715	1820	3471
33970	34335	1993	1994	264	190	367	116	715	1820	3472
34335	34700	1994	1995	264	190	367	116	715	1820	3472
34700	35065	1995	1996	264	190	367	116	715	1820	3472
35065	35431	1996	1997	264	190	367	116	715	1820	3473
35431	35796	1997	1998	264	190	367	116	715	1820	3473
35796	36161	1998	1999	264	190	367	116	715	1820	3473
36161	36526	1999	2000	264	190	367	116	715	1820	3473
36526	36892	2000	2001	264	190	368	117	715	1821	3475
36892	37257	2001	2002	265	190	368	117	716	1821	3476
37257	37622	2002	2003	265	190	368	117	716	1822	3478
37622	37987	2003	2004	265	191	368	117	716	1822	3478
37987	38353	2004	2005	265	191	369	117	716	1822	3479
38353	38718	2005	2006	265	191	369	117	716	1822	3479
38718	39083	2006	2007	265	191	369	117	716	1822	3479
39083	39448	2007	2008	265	191	369	117	716	1822	3480
39448	39814	2008	2009	265	191	369	117	716	1822	3480
39814	40179	2009	2010	265	191	369	117	716	1822	3480
40179	40544	2010	2011	265	191	369	118	716	1822	3482
40544	40909	2011	2012	265	191	370	118	717	1823	3484
40909	41275	2012	2013	265	191	370	118	717	1823	3485
41275	41640	2013	2014	265	192	370	118	717	1823	3486
41640	42005	2014	2015	265	192	370	118	717	1824	3486
42005	42370	2015	2016	266	192	371	118	717	1824	3487
42370	42736	2016	2017	266	192	371	118	717	1824	3487
42736	43101	2017	2018	266	192	371	118	717	1824	3487
43101	43466	2018	2019	266	192	371	118	717	1824	3488
43466	43831	2019	2020	266	192	371	118	717	1824	3488
43831	44197	2020	2021	266	192	371	119	718	1824	3490

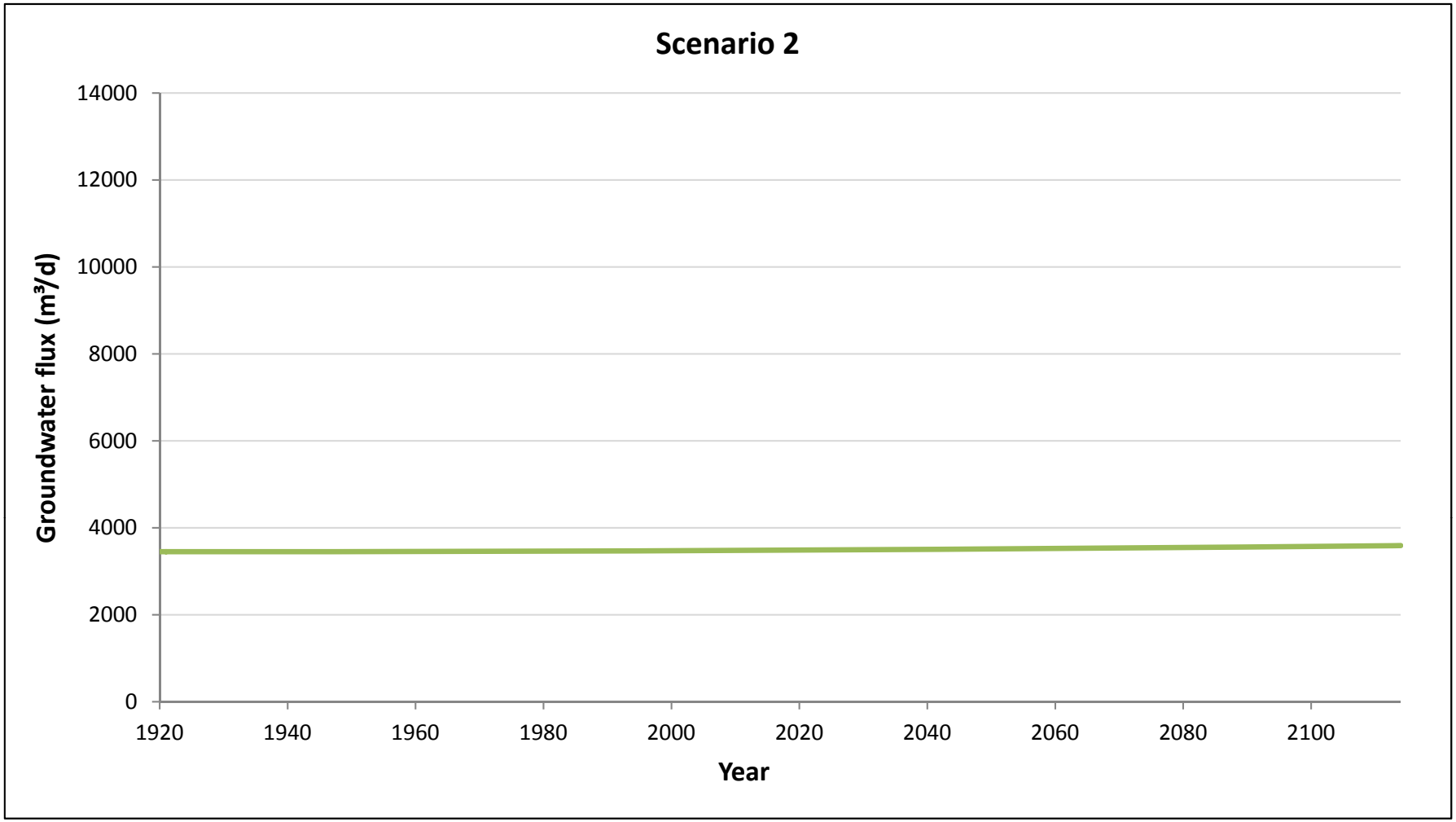
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S2)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44197	44562	2021	2022	266	192	372	119	718	1825	3491
44562	44927	2022	2023	266	192	372	119	718	1825	3492
44927	45292	2023	2024	266	193	372	119	718	1825	3493
45292	45658	2024	2025	266	193	372	119	719	1825	3494
45658	46023	2025	2026	266	193	372	119	719	1825	3494
46023	46388	2026	2027	266	193	372	119	719	1825	3495
46388	46753	2027	2028	266	193	373	119	719	1826	3495
46753	47119	2028	2029	266	193	373	119	719	1826	3496
47119	47484	2029	2030	267	193	373	119	719	1826	3496
47484	47849	2030	2031	267	193	373	119	719	1826	3498
47849	48214	2031	2032	267	193	373	120	720	1826	3499
48214	48580	2032	2033	267	194	374	120	720	1827	3500
48580	48945	2033	2034	267	194	374	120	720	1827	3501
48945	49310	2034	2035	267	194	374	120	720	1827	3502
49310	49675	2035	2036	267	194	374	120	720	1827	3503
49675	50041	2036	2037	267	194	374	120	720	1827	3503
50041	50406	2037	2038	267	194	375	120	720	1827	3504
50406	50771	2038	2039	267	194	375	120	721	1827	3504
50771	51136	2039	2040	267	194	375	120	721	1828	3505
51136	51502	2040	2041	268	194	375	120	721	1828	3506
51502	51867	2041	2042	268	195	375	121	721	1828	3508
51867	52232	2042	2043	268	195	376	121	721	1828	3509
52232	52597	2043	2044	268	195	376	121	722	1829	3510
52597	52963	2044	2045	268	195	376	121	722	1829	3511
52963	53328	2045	2046	268	195	376	121	722	1829	3512
53328	53693	2046	2047	268	195	377	121	722	1829	3513
53693	54058	2047	2048	268	195	377	121	722	1829	3513
54058	54424	2048	2049	269	195	377	121	722	1829	3514
54424	54789	2049	2050	269	196	377	121	722	1830	3514
54789	55154	2050	2051	269	196	377	121	723	1830	3516
55154	55519	2051	2052	269	196	378	122	723	1830	3517
55519	55885	2052	2053	269	196	378	122	723	1830	3519
55885	56250	2053	2054	269	196	378	122	724	1831	3520
56250	56615	2054	2055	269	196	379	122	724	1831	3521
56615	56980	2055	2056	269	197	379	122	724	1831	3522
56980	57346	2056	2057	270	197	379	122	724	1831	3523
57346	57711	2057	2058	270	197	379	122	724	1831	3524
57711	58076	2058	2059	270	197	379	122	724	1832	3524
58076	58441	2059	2060	270	197	380	122	724	1832	3525
58441	58807	2060	2061	270	197	380	122	725	1832	3526
58807	59172	2061	2062	270	198	380	123	725	1832	3528
59172	59537	2062	2063	271	198	380	123	725	1833	3529
59537	59902	2063	2064	271	198	381	123	726	1833	3531
59902	60268	2064	2065	271	198	381	123	726	1833	3532
60268	60633	2065	2066	271	198	381	123	726	1833	3533
60633	60998	2066	2067	271	198	381	123	726	1833	3534

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S2)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
60998	61363	2067	2068	271	199	382	123	726	1834	3534
61363	61729	2068	2069	271	199	382	123	726	1834	3535
61729	62094	2069	2070	272	199	382	123	727	1834	3536
62094	62459	2070	2071	272	199	382	123	727	1834	3538
62459	62824	2071	2072	272	199	383	124	727	1834	3539
62824	63190	2072	2073	272	199	383	124	728	1835	3541
63190	63555	2073	2074	273	200	383	124	728	1835	3542
63555	63920	2074	2075	273	200	383	124	728	1835	3543
63920	64285	2075	2076	273	200	384	124	728	1835	3544
64285	64651	2076	2077	273	200	384	124	728	1836	3545
64651	65016	2077	2078	273	200	384	124	729	1836	3546
65016	65381	2078	2079	273	200	384	124	729	1836	3547
65381	65746	2079	2080	274	201	385	124	729	1836	3548
65746	66112	2080	2081	274	201	385	124	729	1836	3549
66112	66477	2081	2082	274	201	385	125	730	1837	3551
66477	66842	2082	2083	275	201	385	125	730	1837	3552
66842	67207	2083	2084	275	201	386	125	730	1837	3554
67207	67573	2084	2085	275	202	386	125	730	1837	3555
67573	67938	2085	2086	275	202	386	125	731	1837	3556
67938	68303	2086	2087	276	202	386	125	731	1838	3557
68303	68668	2087	2088	276	202	387	125	731	1838	3558
68668	69034	2088	2089	276	202	387	125	731	1838	3560
69034	69399	2089	2090	276	203	387	125	731	1838	3561
69399	69764	2090	2091	277	203	387	125	732	1838	3562
69764	70129	2091	2092	277	203	387	126	732	1839	3563
70129	70495	2092	2093	277	203	388	126	732	1839	3565
70495	70860	2093	2094	278	203	388	126	733	1839	3566
70860	71225	2094	2095	278	204	388	126	733	1839	3568
71225	71590	2095	2096	278	204	388	126	733	1840	3569
71590	71956	2096	2097	279	204	389	126	733	1840	3570
71956	72321	2097	2098	279	204	389	126	733	1840	3571
72321	72686	2098	2099	279	204	389	126	734	1840	3572
72686	73051	2099	2100	279	205	389	126	734	1840	3574
73051	73416	2100	2101	280	205	390	126	734	1841	3575
73416	73781	2101	2102	280	205	390	126	734	1841	3576
73781	74146	2102	2103	281	205	390	127	735	1841	3578
74146	74511	2103	2104	281	206	390	127	735	1841	3579
74511	74877	2104	2105	281	206	391	127	735	1841	3581
74877	75242	2105	2106	282	206	391	127	735	1842	3582
75242	75607	2106	2107	282	206	391	127	736	1842	3584
75607	75972	2107	2108	282	206	391	127	736	1842	3585
75972	76338	2108	2109	283	207	391	127	736	1842	3586
76338	76703	2109	2110	283	207	392	127	736	1842	3587
76703	77068	2110	2111	283	207	392	127	737	1843	3589
77068	77433	2111	2112	284	207	392	127	737	1843	3590
77433	77799	2112	2113	284	208	392	127	737	1843	3592
77799	78164	2113	2114	285	208	393	127	737	1843	3593

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S2)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	14611	1930	1940	5.1	1.9	3.6	1.5	9.6	3.6	25.3
14611	18264	1940	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	21916	1950	1960	5.1	1.9	3.7	1.5	9.6	3.6	25.3
21916	25569	1960	1970	5.1	1.9	3.7	1.5	9.6	3.6	25.4
25569	27395	1970	1975	5.1	1.9	3.7	1.5	9.6	3.6	25.4
27395	29221	1975	1980	5.1	1.9	3.7	1.5	9.6	3.6	25.4
29221	30682	1980	1984	5.1	1.9	3.7	1.6	9.6	3.6	25.4
30682	32143	1984	1988	5.1	1.9	3.7	1.6	9.6	3.6	25.4
32143	32509	1988	1989	5.1	1.9	3.7	1.6	9.6	3.6	25.4
32509	32874	1989	1990	5.1	1.9	3.7	1.6	9.6	3.6	25.4
32874	33239	1990	1991	5.1	1.9	3.7	1.6	9.6	3.6	25.5
33239	33604	1991	1992	5.1	1.9	3.7	1.6	9.6	3.6	25.5
33604	33970	1992	1993	5.1	1.9	3.7	1.6	9.6	3.6	25.5
33970	34335	1993	1994	5.1	1.9	3.7	1.6	9.6	3.6	25.5
34335	34700	1994	1995	5.1	1.9	3.7	1.6	9.6	3.6	25.5
34700	35065	1995	1996	5.1	1.9	3.7	1.6	9.6	3.6	25.5
35065	35431	1996	1997	5.1	1.9	3.7	1.6	9.6	3.6	25.5
35431	35796	1997	1998	5.1	1.9	3.7	1.6	9.6	3.6	25.5
35796	36161	1998	1999	5.1	1.9	3.7	1.6	9.6	3.6	25.5
36161	36526	1999	2000	5.1	1.9	3.7	1.6	9.6	3.6	25.5
36526	36892	2000	2001	5.1	1.9	3.7	1.6	9.6	3.6	25.5
36892	37257	2001	2002	5.1	1.9	3.7	1.6	9.6	3.6	25.5
37257	37622	2002	2003	5.1	1.9	3.7	1.6	9.6	3.6	25.5
37622	37987	2003	2004	5.1	1.9	3.7	1.6	9.6	3.6	25.5
37987	38353	2004	2005	5.1	1.9	3.7	1.6	9.6	3.6	25.6
38353	38718	2005	2006	5.1	1.9	3.7	1.6	9.6	3.6	25.6
38718	39083	2006	2007	5.1	1.9	3.7	1.6	9.6	3.6	25.6
39083	39448	2007	2008	5.1	1.9	3.7	1.6	9.6	3.6	25.6
39448	39814	2008	2009	5.1	1.9	3.7	1.6	9.6	3.6	25.6
39814	40179	2009	2010	5.1	1.9	3.7	1.6	9.6	3.6	25.6
40179	40544	2010	2011	5.1	1.9	3.7	1.6	9.6	3.6	25.6
40544	40909	2011	2012	5.1	1.9	3.7	1.6	9.6	3.6	25.6
40909	41275	2012	2013	5.1	1.9	3.7	1.6	9.6	3.6	25.6
41275	41640	2013	2014	5.1	1.9	3.7	1.6	9.6	3.6	25.6
41640	42005	2014	2015	5.1	1.9	3.7	1.6	9.6	3.6	25.6
42005	42370	2015	2016	5.1	1.9	3.7	1.6	9.6	3.6	25.6
42370	42736	2016	2017	5.1	1.9	3.7	1.6	9.6	3.6	25.6
42736	43101	2017	2018	5.1	1.9	3.7	1.6	9.6	3.6	25.6
43101	43466	2018	2019	5.1	1.9	3.7	1.6	9.6	3.6	25.6
43466	43831	2019	2020	5.1	1.9	3.7	1.6	9.6	3.6	25.6
43831	44197	2020	2021	5.1	1.9	3.7	1.6	9.6	3.6	25.7
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

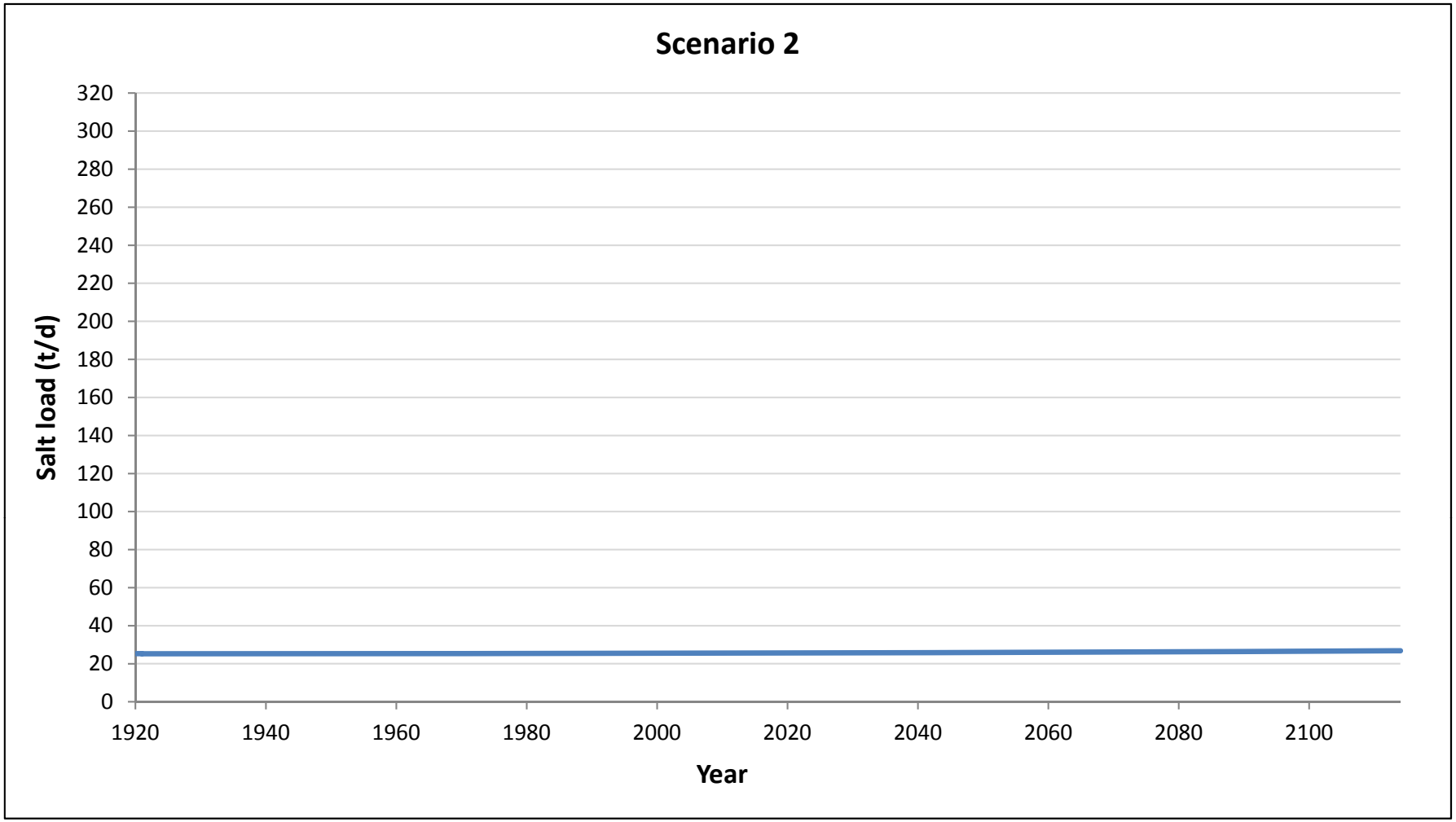
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S2)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44197	44562	2021	2022	5.1	1.9	3.7	1.6	9.6	3.6	25.7
44562	44927	2022	2023	5.1	1.9	3.7	1.6	9.6	3.6	25.7
44927	45292	2023	2024	5.1	1.9	3.7	1.6	9.6	3.7	25.7
45292	45658	2024	2025	5.1	1.9	3.7	1.6	9.6	3.7	25.7
45658	46023	2025	2026	5.1	1.9	3.7	1.6	9.6	3.7	25.7
46023	46388	2026	2027	5.1	1.9	3.7	1.6	9.6	3.7	25.7
46388	46753	2027	2028	5.1	1.9	3.7	1.6	9.6	3.7	25.7
46753	47119	2028	2029	5.1	1.9	3.7	1.6	9.6	3.7	25.7
47119	47484	2029	2030	5.1	1.9	3.7	1.6	9.6	3.7	25.7
47484	47849	2030	2031	5.2	1.9	3.7	1.6	9.7	3.7	25.7
47849	48214	2031	2032	5.2	1.9	3.8	1.6	9.7	3.7	25.8
48214	48580	2032	2033	5.2	1.9	3.8	1.6	9.7	3.7	25.8
48580	48945	2033	2034	5.2	1.9	3.8	1.6	9.7	3.7	25.8
48945	49310	2034	2035	5.2	1.9	3.8	1.6	9.7	3.7	25.8
49310	49675	2035	2036	5.2	1.9	3.8	1.6	9.7	3.7	25.8
49675	50041	2036	2037	5.2	1.9	3.8	1.6	9.7	3.7	25.8
50041	50406	2037	2038	5.2	1.9	3.8	1.6	9.7	3.7	25.8
50406	50771	2038	2039	5.2	1.9	3.8	1.6	9.7	3.7	25.8
50771	51136	2039	2040	5.2	2.0	3.8	1.6	9.7	3.7	25.8
51136	51502	2040	2041	5.2	2.0	3.8	1.6	9.7	3.7	25.8
51502	51867	2041	2042	5.2	2.0	3.8	1.6	9.7	3.7	25.9
51867	52232	2042	2043	5.2	2.0	3.8	1.6	9.7	3.7	25.9
52232	52597	2043	2044	5.2	2.0	3.8	1.6	9.7	3.7	25.9
52597	52963	2044	2045	5.2	2.0	3.8	1.6	9.7	3.7	25.9
52963	53328	2045	2046	5.2	2.0	3.8	1.6	9.7	3.7	25.9
53328	53693	2046	2047	5.2	2.0	3.8	1.6	9.7	3.7	25.9
53693	54058	2047	2048	5.2	2.0	3.8	1.6	9.7	3.7	25.9
54058	54424	2048	2049	5.2	2.0	3.8	1.6	9.7	3.7	25.9
54424	54789	2049	2050	5.2	2.0	3.8	1.6	9.7	3.7	25.9
54789	55154	2050	2051	5.2	2.0	3.8	1.6	9.7	3.7	25.9
55154	55519	2051	2052	5.2	2.0	3.8	1.6	9.7	3.7	26.0
55519	55885	2052	2053	5.2	2.0	3.8	1.6	9.7	3.7	26.0
55885	56250	2053	2054	5.2	2.0	3.8	1.6	9.7	3.7	26.0
56250	56615	2054	2055	5.2	2.0	3.8	1.6	9.7	3.7	26.0
56615	56980	2055	2056	5.2	2.0	3.8	1.6	9.7	3.7	26.0
56980	57346	2056	2057	5.2	2.0	3.8	1.6	9.7	3.7	26.0
57346	57711	2057	2058	5.2	2.0	3.8	1.6	9.7	3.7	26.0
57711	58076	2058	2059	5.2	2.0	3.8	1.6	9.7	3.7	26.0
58076	58441	2059	2060	5.2	2.0	3.8	1.6	9.7	3.7	26.0
58441	58807	2060	2061	5.2	2.0	3.8	1.6	9.7	3.7	26.0
58807	59172	2061	2062	5.2	2.0	3.8	1.6	9.7	3.7	26.1
59172	59537	2062	2063	5.2	2.0	3.8	1.6	9.7	3.7	26.1
59537	59902	2063	2064	5.2	2.0	3.8	1.6	9.7	3.7	26.1
59902	60268	2064	2065	5.2	2.0	3.8	1.7	9.7	3.7	26.1
60268	60633	2065	2066	5.2	2.0	3.8	1.7	9.7	3.7	26.1
60633	60998	2066	2067	5.2	2.0	3.8	1.7	9.7	3.7	26.1
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S2)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
60998	61363	2067	2068	5.2	2.0	3.8	1.7	9.7	3.7	26.1
61363	61729	2068	2069	5.2	2.0	3.8	1.7	9.7	3.7	26.1
61729	62094	2069	2070	5.2	2.0	3.8	1.7	9.8	3.7	26.2
62094	62459	2070	2071	5.3	2.0	3.8	1.7	9.8	3.7	26.2
62459	62824	2071	2072	5.3	2.0	3.8	1.7	9.8	3.7	26.2
62824	63190	2072	2073	5.3	2.0	3.8	1.7	9.8	3.7	26.2
63190	63555	2073	2074	5.3	2.0	3.8	1.7	9.8	3.7	26.2
63555	63920	2074	2075	5.3	2.0	3.9	1.7	9.8	3.7	26.2
63920	64285	2075	2076	5.3	2.0	3.9	1.7	9.8	3.7	26.2
64285	64651	2076	2077	5.3	2.0	3.9	1.7	9.8	3.7	26.3
64651	65016	2077	2078	5.3	2.0	3.9	1.7	9.8	3.7	26.3
65016	65381	2078	2079	5.3	2.0	3.9	1.7	9.8	3.7	26.3
65381	65746	2079	2080	5.3	2.0	3.9	1.7	9.8	3.7	26.3
65746	66112	2080	2081	5.3	2.0	3.9	1.7	9.8	3.7	26.3
66112	66477	2081	2082	5.3	2.0	3.9	1.7	9.8	3.7	26.3
66477	66842	2082	2083	5.3	2.0	3.9	1.7	9.8	3.7	26.3
66842	67207	2083	2084	5.3	2.0	3.9	1.7	9.8	3.7	26.4
67207	67573	2084	2085	5.3	2.0	3.9	1.7	9.8	3.7	26.4
67573	67938	2085	2086	5.3	2.0	3.9	1.7	9.8	3.7	26.4
67938	68303	2086	2087	5.3	2.0	3.9	1.7	9.8	3.7	26.4
68303	68668	2087	2088	5.3	2.0	3.9	1.7	9.8	3.7	26.4
68668	69034	2088	2089	5.3	2.0	3.9	1.7	9.8	3.7	26.4
69034	69399	2089	2090	5.3	2.0	3.9	1.7	9.8	3.7	26.4
69399	69764	2090	2091	5.3	2.0	3.9	1.7	9.8	3.7	26.4
69764	70129	2091	2092	5.3	2.0	3.9	1.7	9.8	3.7	26.5
70129	70495	2092	2093	5.4	2.0	3.9	1.7	9.8	3.7	26.5
70495	70860	2093	2094	5.4	2.0	3.9	1.7	9.8	3.7	26.5
70860	71225	2094	2095	5.4	2.0	3.9	1.7	9.8	3.7	26.5
71225	71590	2095	2096	5.4	2.0	3.9	1.7	9.8	3.7	26.5
71590	71956	2096	2097	5.4	2.0	3.9	1.7	9.8	3.7	26.5
71956	72321	2097	2098	5.4	2.1	3.9	1.7	9.8	3.7	26.6
72321	72686	2098	2099	5.4	2.1	3.9	1.7	9.8	3.7	26.6
72686	73051	2099	2100	5.4	2.1	3.9	1.7	9.8	3.7	26.6
73051	73416	2100	2101	5.4	2.1	3.9	1.7	9.9	3.7	26.6
73416	73781	2101	2102	5.4	2.1	3.9	1.7	9.9	3.7	26.6
73781	74146	2102	2103	5.4	2.1	3.9	1.7	9.9	3.7	26.6
74146	74511	2103	2104	5.4	2.1	3.9	1.7	9.9	3.7	26.7
74511	74877	2104	2105	5.4	2.1	3.9	1.7	9.9	3.7	26.7
74877	75242	2105	2106	5.4	2.1	3.9	1.7	9.9	3.7	26.7
75242	75607	2106	2107	5.4	2.1	3.9	1.7	9.9	3.7	26.7
75607	75972	2107	2108	5.5	2.1	3.9	1.7	9.9	3.7	26.7
75972	76338	2108	2109	5.5	2.1	3.9	1.7	9.9	3.7	26.7
76338	76703	2109	2110	5.5	2.1	3.9	1.7	9.9	3.7	26.7
76703	77068	2110	2111	5.5	2.1	3.9	1.7	9.9	3.7	26.8
77068	77433	2111	2112	5.5	2.1	3.9	1.7	9.9	3.7	26.8
77433	77799	2112	2113	5.5	2.1	3.9	1.7	9.9	3.7	26.8
77799	78164	2113	2114	5.5	2.1	3.9	1.7	9.9	3.7	26.8
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S2)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S2)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	262	187	363	114	712	1815	3452
33970	34335	1993	1994	262	187	363	114	712	1815	3452
34335	34700	1994	1995	262	187	363	114	712	1815	3452
34700	35065	1995	1996	265	189	363	116	713	1815	3461
35065	35431	1996	1997	267	191	364	118	715	1815	3470
35431	35796	1997	1998	268	192	364	119	716	1815	3474
35796	36161	1998	1999	269	192	364	120	716	1815	3477
36161	36526	1999	2000	269	193	364	120	717	1815	3479
36526	36892	2000	2001	269	193	364	122	720	1816	3484
36892	37257	2001	2002	270	194	365	123	722	1816	3490
37257	37622	2002	2003	270	194	365	124	724	1817	3493
37622	37987	2003	2004	270	194	365	124	725	1817	3496
37987	38353	2004	2005	271	194	365	125	726	1817	3498
38353	38718	2005	2006	271	194	365	125	727	1817	3499
38718	39083	2006	2007	271	194	365	125	727	1817	3499
39083	39448	2007	2008	271	194	365	125	727	1817	3500
39448	39814	2008	2009	271	194	365	125	727	1817	3500
39814	40179	2009	2010	271	194	365	125	727	1817	3500
40179	40544	2010	2011	271	194	365	125	728	1817	3500
40544	40909	2011	2012	271	195	365	125	728	1817	3501
40909	41275	2012	2013	271	195	365	125	728	1817	3501
41275	41640	2013	2014	271	195	365	125	728	1817	3501
41640	42005	2014	2015	271	195	365	125	728	1817	3501
42005	42370	2015	2016	271	195	365	125	728	1817	3501
42370	42736	2016	2017	271	195	365	125	728	1817	3501
42736	43101	2017	2018	271	195	365	125	728	1817	3501
43101	43466	2018	2019	271	195	365	125	728	1817	3501
43466	43831	2019	2020	271	195	365	125	728	1817	3501
43831	44197	2020	2021	271	195	365	125	728	1817	3501
44197	44562	2021	2022	271	195	365	125	728	1817	3501
44562	44927	2022	2023	271	195	365	125	728	1817	3501

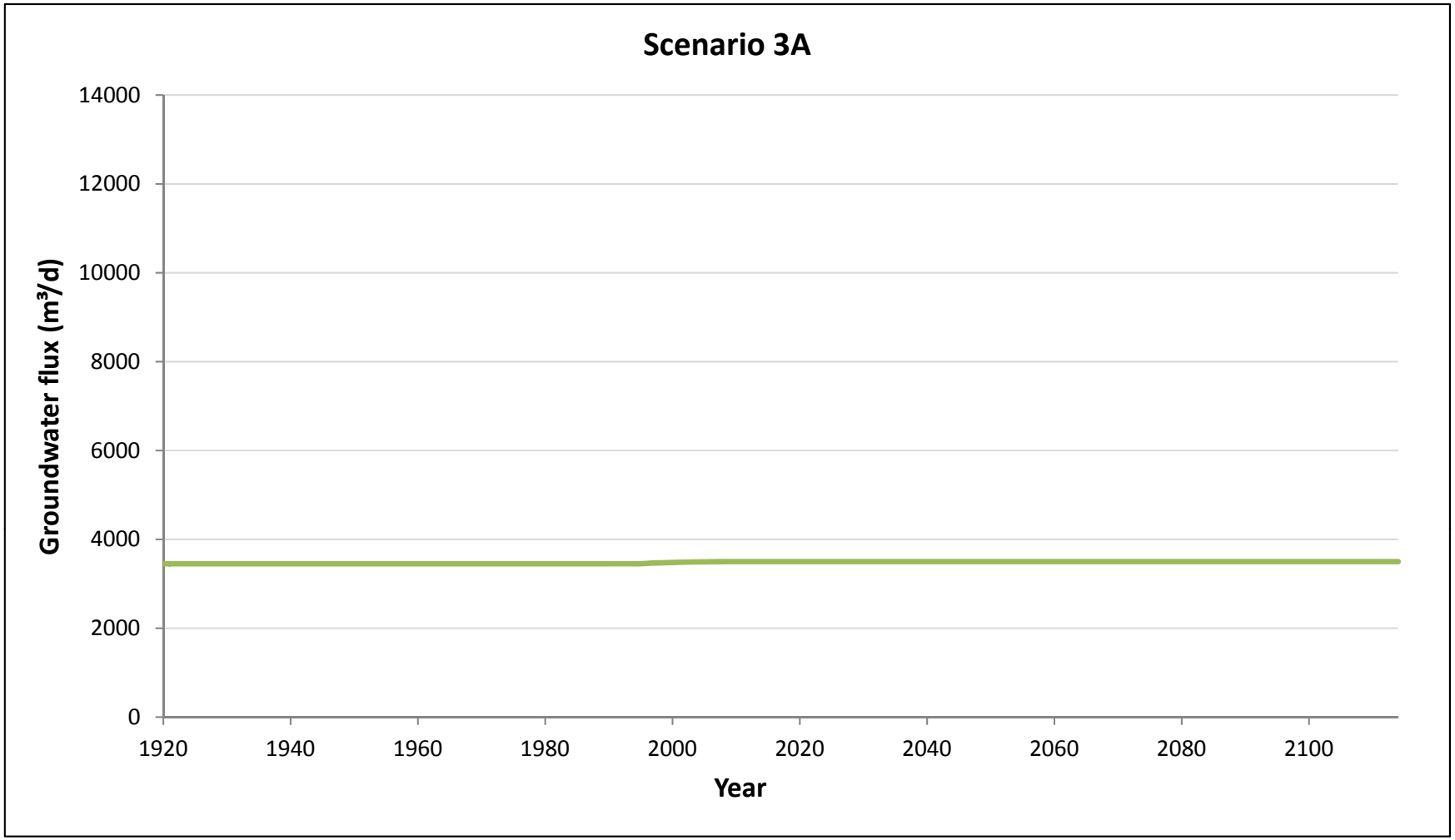
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	271	195	365	125	728	1817	3501
45292	45658	2024	2025	271	195	365	125	728	1817	3501
45658	46023	2025	2026	271	195	365	125	728	1817	3501
46023	46388	2026	2027	271	195	365	125	728	1817	3501
46388	46753	2027	2028	271	195	365	125	728	1818	3501
46753	47119	2028	2029	271	195	365	125	728	1818	3501
47119	47484	2029	2030	271	195	365	125	728	1818	3501
47484	47849	2030	2031	271	195	365	125	728	1818	3501
47849	48214	2031	2032	271	195	365	125	728	1818	3501
48214	48580	2032	2033	271	195	365	125	728	1818	3501
48580	48945	2033	2034	271	195	365	125	728	1818	3501
48945	49310	2034	2035	271	195	365	125	728	1818	3501
49310	49675	2035	2036	271	195	365	125	728	1818	3501
49675	50041	2036	2037	271	195	365	125	728	1818	3501
50041	50406	2037	2038	271	195	365	125	728	1818	3501
50406	50771	2038	2039	271	195	365	125	728	1818	3501
50771	51136	2039	2040	271	195	365	125	728	1818	3501
51136	51502	2040	2041	271	195	365	125	728	1818	3501
51502	51867	2041	2042	271	195	365	125	728	1818	3501
51867	52232	2042	2043	271	195	365	125	728	1818	3501
52232	52597	2043	2044	271	195	365	125	728	1818	3501
52597	52963	2044	2045	271	195	365	125	728	1818	3501
52963	53328	2045	2046	271	195	365	125	728	1818	3501
53328	53693	2046	2047	271	195	365	125	728	1818	3501
53693	54058	2047	2048	271	195	365	125	728	1818	3501
54058	54424	2048	2049	271	195	365	125	728	1818	3501
54424	54789	2049	2050	271	195	365	125	728	1818	3501
54789	55154	2050	2051	271	195	365	125	728	1818	3501
55154	55519	2051	2052	271	195	365	125	728	1818	3501
55519	55885	2052	2053	271	195	365	125	728	1818	3501
55885	56250	2053	2054	271	195	365	125	728	1818	3501
56250	56615	2054	2055	271	195	365	125	728	1818	3501
56615	56980	2055	2056	271	195	365	125	728	1818	3501
56980	57346	2056	2057	271	195	365	125	728	1818	3501
57346	57711	2057	2058	271	195	365	125	728	1818	3501
57711	58076	2058	2059	271	195	365	125	728	1818	3501
58076	58441	2059	2060	271	195	365	125	728	1818	3501
58441	58807	2060	2061	271	195	365	125	728	1818	3501
58807	59172	2061	2062	271	195	365	125	728	1818	3501
59172	59537	2062	2063	271	195	365	125	728	1818	3501
59537	59902	2063	2064	271	195	365	125	728	1818	3501
59902	60268	2064	2065	271	195	365	125	728	1818	3501
60268	60633	2065	2066	271	195	365	125	728	1818	3501
60633	60998	2066	2067	271	195	365	125	728	1818	3501
60998	61363	2067	2068	271	195	365	125	728	1818	3501
61363	61729	2068	2069	271	195	365	125	728	1818	3501

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	271	195	365	125	728	1818	3501
62094	62459	2070	2071	271	195	365	125	728	1818	3501
62459	62824	2071	2072	271	195	365	125	728	1818	3501
62824	63190	2072	2073	271	195	365	125	728	1818	3501
63190	63555	2073	2074	271	195	365	125	728	1818	3501
63555	63920	2074	2075	271	195	365	125	728	1818	3501
63920	64285	2075	2076	271	195	365	125	728	1818	3501
64285	64651	2076	2077	271	195	365	125	728	1818	3501
64651	65016	2077	2078	271	195	365	125	728	1818	3501
65016	65381	2078	2079	271	195	365	125	728	1818	3501
65381	65746	2079	2080	271	195	365	125	728	1818	3501
65746	66112	2080	2081	271	195	365	125	728	1818	3501
66112	66477	2081	2082	271	195	365	125	728	1818	3501
66477	66842	2082	2083	271	195	365	125	728	1818	3501
66842	67207	2083	2084	271	195	365	125	728	1818	3501
67207	67573	2084	2085	271	195	365	125	728	1818	3501
67573	67938	2085	2086	271	195	365	125	728	1818	3501
67938	68303	2086	2087	271	195	365	125	728	1818	3501
68303	68668	2087	2088	271	195	365	125	728	1818	3501
68668	69034	2088	2089	271	195	365	125	728	1818	3501
69034	69399	2089	2090	271	195	365	125	728	1818	3502
69399	69764	2090	2091	271	195	365	125	728	1818	3502
69764	70129	2091	2092	271	195	365	125	728	1818	3502
70129	70495	2092	2093	271	195	365	125	728	1818	3502
70495	70860	2093	2094	271	195	365	125	728	1818	3502
70860	71225	2094	2095	271	195	365	125	728	1818	3502
71225	71590	2095	2096	271	195	365	125	728	1818	3502
71590	71956	2096	2097	271	195	365	125	728	1818	3502
71956	72321	2097	2098	271	195	365	125	728	1818	3502
72321	72686	2098	2099	271	195	365	125	728	1818	3502
72686	73051	2099	2100	271	195	365	125	728	1818	3502
73051	73416	2100	2101	271	195	365	125	728	1818	3502
73416	73781	2101	2102	271	195	365	125	728	1818	3502
73781	74146	2102	2103	271	195	365	125	728	1818	3502
74146	74511	2103	2104	271	195	365	125	728	1818	3502
74511	74877	2104	2105	271	195	365	125	728	1818	3502
74877	75242	2105	2106	271	195	365	125	728	1818	3502
75242	75607	2106	2107	271	195	365	125	728	1818	3502
75607	75972	2107	2108	271	195	365	125	728	1818	3502
75972	76338	2108	2109	271	195	365	125	728	1818	3502
76338	76703	2109	2110	271	195	365	125	728	1818	3502
76703	77068	2110	2111	271	195	365	125	728	1818	3502
77068	77433	2111	2112	271	195	365	125	728	1818	3502
77433	77799	2112	2113	271	195	365	125	728	1818	3502
77799	78164	2113	2114	271	195	365	125	728	1818	3502

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3A)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S3A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33970	34335	1993	1994	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34335	34700	1994	1995	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34700	35065	1995	1996	5.1	1.9	3.6	1.6	9.6	3.6	25.4
35065	35431	1996	1997	5.2	1.9	3.7	1.6	9.6	3.6	25.5
35431	35796	1997	1998	5.2	1.9	3.7	1.6	9.6	3.6	25.6
35796	36161	1998	1999	5.2	1.9	3.7	1.6	9.6	3.6	25.6
36161	36526	1999	2000	5.2	1.9	3.7	1.6	9.6	3.6	25.7
36526	36892	2000	2001	5.2	1.9	3.7	1.6	9.7	3.6	25.7
36892	37257	2001	2002	5.2	1.9	3.7	1.6	9.7	3.6	25.8
37257	37622	2002	2003	5.2	1.9	3.7	1.7	9.7	3.6	25.8
37622	37987	2003	2004	5.2	1.9	3.7	1.7	9.7	3.6	25.9
37987	38353	2004	2005	5.2	2.0	3.7	1.7	9.7	3.6	25.9
38353	38718	2005	2006	5.2	2.0	3.7	1.7	9.8	3.6	25.9
38718	39083	2006	2007	5.2	2.0	3.7	1.7	9.8	3.6	25.9
39083	39448	2007	2008	5.2	2.0	3.7	1.7	9.8	3.6	25.9
39448	39814	2008	2009	5.2	2.0	3.7	1.7	9.8	3.6	25.9
39814	40179	2009	2010	5.2	2.0	3.7	1.7	9.8	3.6	25.9
40179	40544	2010	2011	5.2	2.0	3.7	1.7	9.8	3.6	25.9
40544	40909	2011	2012	5.2	2.0	3.7	1.7	9.8	3.6	25.9
40909	41275	2012	2013	5.2	2.0	3.7	1.7	9.8	3.6	25.9
41275	41640	2013	2014	5.2	2.0	3.7	1.7	9.8	3.6	25.9
41640	42005	2014	2015	5.2	2.0	3.7	1.7	9.8	3.6	25.9
42005	42370	2015	2016	5.2	2.0	3.7	1.7	9.8	3.6	25.9
42370	42736	2016	2017	5.2	2.0	3.7	1.7	9.8	3.6	25.9
42736	43101	2017	2018	5.2	2.0	3.7	1.7	9.8	3.6	25.9
43101	43466	2018	2019	5.2	2.0	3.7	1.7	9.8	3.6	25.9
43466	43831	2019	2020	5.2	2.0	3.7	1.7	9.8	3.6	25.9
43831	44197	2020	2021	5.2	2.0	3.7	1.7	9.8	3.6	25.9
44197	44562	2021	2022	5.2	2.0	3.7	1.7	9.8	3.6	25.9
44562	44927	2022	2023	5.2	2.0	3.7	1.7	9.8	3.6	25.9
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

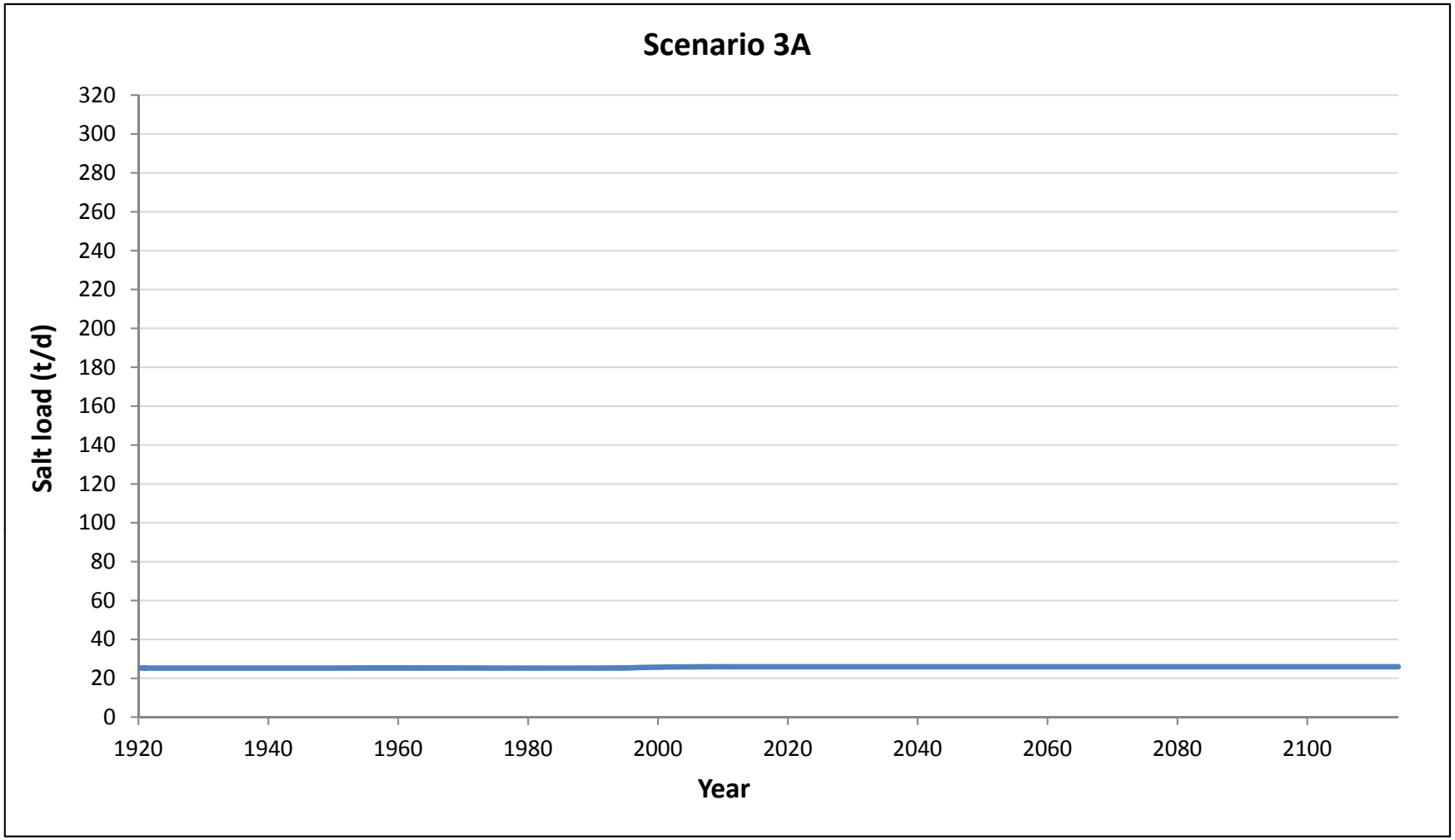
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	5.2	2.0	3.7	1.7	9.8	3.6	25.9
45292	45658	2024	2025	5.2	2.0	3.7	1.7	9.8	3.6	25.9
45658	46023	2025	2026	5.2	2.0	3.7	1.7	9.8	3.6	25.9
46023	46388	2026	2027	5.2	2.0	3.7	1.7	9.8	3.6	25.9
46388	46753	2027	2028	5.2	2.0	3.7	1.7	9.8	3.6	25.9
46753	47119	2028	2029	5.2	2.0	3.7	1.7	9.8	3.6	25.9
47119	47484	2029	2030	5.2	2.0	3.7	1.7	9.8	3.6	25.9
47484	47849	2030	2031	5.2	2.0	3.7	1.7	9.8	3.6	25.9
47849	48214	2031	2032	5.2	2.0	3.7	1.7	9.8	3.6	25.9
48214	48580	2032	2033	5.2	2.0	3.7	1.7	9.8	3.6	25.9
48580	48945	2033	2034	5.2	2.0	3.7	1.7	9.8	3.6	25.9
48945	49310	2034	2035	5.2	2.0	3.7	1.7	9.8	3.6	25.9
49310	49675	2035	2036	5.2	2.0	3.7	1.7	9.8	3.6	25.9
49675	50041	2036	2037	5.2	2.0	3.7	1.7	9.8	3.6	25.9
50041	50406	2037	2038	5.2	2.0	3.7	1.7	9.8	3.6	25.9
50406	50771	2038	2039	5.2	2.0	3.7	1.7	9.8	3.6	25.9
50771	51136	2039	2040	5.2	2.0	3.7	1.7	9.8	3.6	25.9
51136	51502	2040	2041	5.2	2.0	3.7	1.7	9.8	3.6	25.9
51502	51867	2041	2042	5.2	2.0	3.7	1.7	9.8	3.6	25.9
51867	52232	2042	2043	5.2	2.0	3.7	1.7	9.8	3.6	25.9
52232	52597	2043	2044	5.2	2.0	3.7	1.7	9.8	3.6	25.9
52597	52963	2044	2045	5.2	2.0	3.7	1.7	9.8	3.6	25.9
52963	53328	2045	2046	5.2	2.0	3.7	1.7	9.8	3.6	25.9
53328	53693	2046	2047	5.2	2.0	3.7	1.7	9.8	3.6	25.9
53693	54058	2047	2048	5.2	2.0	3.7	1.7	9.8	3.6	25.9
54058	54424	2048	2049	5.2	2.0	3.7	1.7	9.8	3.6	25.9
54424	54789	2049	2050	5.2	2.0	3.7	1.7	9.8	3.6	25.9
54789	55154	2050	2051	5.2	2.0	3.7	1.7	9.8	3.6	25.9
55154	55519	2051	2052	5.2	2.0	3.7	1.7	9.8	3.6	25.9
55519	55885	2052	2053	5.2	2.0	3.7	1.7	9.8	3.6	25.9
55885	56250	2053	2054	5.2	2.0	3.7	1.7	9.8	3.6	25.9
56250	56615	2054	2055	5.2	2.0	3.7	1.7	9.8	3.6	25.9
56615	56980	2055	2056	5.2	2.0	3.7	1.7	9.8	3.6	25.9
56980	57346	2056	2057	5.2	2.0	3.7	1.7	9.8	3.6	25.9
57346	57711	2057	2058	5.2	2.0	3.7	1.7	9.8	3.6	25.9
57711	58076	2058	2059	5.2	2.0	3.7	1.7	9.8	3.6	25.9
58076	58441	2059	2060	5.2	2.0	3.7	1.7	9.8	3.6	25.9
58441	58807	2060	2061	5.2	2.0	3.7	1.7	9.8	3.6	25.9
58807	59172	2061	2062	5.2	2.0	3.7	1.7	9.8	3.6	25.9
59172	59537	2062	2063	5.2	2.0	3.7	1.7	9.8	3.6	25.9
59537	59902	2063	2064	5.2	2.0	3.7	1.7	9.8	3.6	25.9
59902	60268	2064	2065	5.2	2.0	3.7	1.7	9.8	3.6	25.9
60268	60633	2065	2066	5.2	2.0	3.7	1.7	9.8	3.6	25.9
60633	60998	2066	2067	5.2	2.0	3.7	1.7	9.8	3.6	25.9
60998	61363	2067	2068	5.2	2.0	3.7	1.7	9.8	3.6	25.9
61363	61729	2068	2069	5.2	2.0	3.7	1.7	9.8	3.6	25.9
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	5.2	2.0	3.7	1.7	9.8	3.6	25.9
62094	62459	2070	2071	5.2	2.0	3.7	1.7	9.8	3.6	25.9
62459	62824	2071	2072	5.2	2.0	3.7	1.7	9.8	3.6	25.9
62824	63190	2072	2073	5.2	2.0	3.7	1.7	9.8	3.6	25.9
63190	63555	2073	2074	5.2	2.0	3.7	1.7	9.8	3.6	25.9
63555	63920	2074	2075	5.2	2.0	3.7	1.7	9.8	3.6	25.9
63920	64285	2075	2076	5.2	2.0	3.7	1.7	9.8	3.6	25.9
64285	64651	2076	2077	5.2	2.0	3.7	1.7	9.8	3.6	25.9
64651	65016	2077	2078	5.2	2.0	3.7	1.7	9.8	3.6	25.9
65016	65381	2078	2079	5.2	2.0	3.7	1.7	9.8	3.6	25.9
65381	65746	2079	2080	5.2	2.0	3.7	1.7	9.8	3.6	25.9
65746	66112	2080	2081	5.2	2.0	3.7	1.7	9.8	3.6	25.9
66112	66477	2081	2082	5.2	2.0	3.7	1.7	9.8	3.6	25.9
66477	66842	2082	2083	5.2	2.0	3.7	1.7	9.8	3.6	25.9
66842	67207	2083	2084	5.2	2.0	3.7	1.7	9.8	3.6	25.9
67207	67573	2084	2085	5.2	2.0	3.7	1.7	9.8	3.6	25.9
67573	67938	2085	2086	5.2	2.0	3.7	1.7	9.8	3.6	25.9
67938	68303	2086	2087	5.2	2.0	3.7	1.7	9.8	3.6	25.9
68303	68668	2087	2088	5.2	2.0	3.7	1.7	9.8	3.6	25.9
68668	69034	2088	2089	5.2	2.0	3.7	1.7	9.8	3.6	25.9
69034	69399	2089	2090	5.2	2.0	3.7	1.7	9.8	3.6	25.9
69399	69764	2090	2091	5.2	2.0	3.7	1.7	9.8	3.6	25.9
69764	70129	2091	2092	5.2	2.0	3.7	1.7	9.8	3.6	25.9
70129	70495	2092	2093	5.2	2.0	3.7	1.7	9.8	3.6	25.9
70495	70860	2093	2094	5.2	2.0	3.7	1.7	9.8	3.6	25.9
70860	71225	2094	2095	5.2	2.0	3.7	1.7	9.8	3.6	25.9
71225	71590	2095	2096	5.2	2.0	3.7	1.7	9.8	3.6	25.9
71590	71956	2096	2097	5.2	2.0	3.7	1.7	9.8	3.6	25.9
71956	72321	2097	2098	5.2	2.0	3.7	1.7	9.8	3.6	25.9
72321	72686	2098	2099	5.2	2.0	3.7	1.7	9.8	3.6	25.9
72686	73051	2099	2100	5.2	2.0	3.7	1.7	9.8	3.6	25.9
73051	73416	2100	2101	5.2	2.0	3.7	1.7	9.8	3.6	25.9
73416	73781	2101	2102	5.2	2.0	3.7	1.7	9.8	3.6	25.9
73781	74146	2102	2103	5.2	2.0	3.7	1.7	9.8	3.6	25.9
74146	74511	2103	2104	5.2	2.0	3.7	1.7	9.8	3.6	25.9
74511	74877	2104	2105	5.2	2.0	3.7	1.7	9.8	3.6	25.9
74877	75242	2105	2106	5.2	2.0	3.7	1.7	9.8	3.6	25.9
75242	75607	2106	2107	5.2	2.0	3.7	1.7	9.8	3.6	25.9
75607	75972	2107	2108	5.2	2.0	3.7	1.7	9.8	3.6	25.9
75972	76338	2108	2109	5.2	2.0	3.7	1.7	9.8	3.6	25.9
76338	76703	2109	2110	5.2	2.0	3.7	1.7	9.8	3.6	25.9
76703	77068	2110	2111	5.2	2.0	3.7	1.7	9.8	3.6	25.9
77068	77433	2111	2112	5.2	2.0	3.7	1.7	9.8	3.6	25.9
77433	77799	2112	2113	5.2	2.0	3.7	1.7	9.8	3.6	25.9
77799	78164	2113	2114	5.2	2.0	3.7	1.7	9.8	3.6	25.9
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3A)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S3A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	262	187	363	114	712	1815	3452
33970	34335	1993	1994	262	187	363	114	712	1815	3452
34335	34700	1994	1995	262	187	363	114	712	1815	3452
34700	35065	1995	1996	264	189	363	116	713	1815	3460
35065	35431	1996	1997	266	190	364	117	714	1815	3467
35431	35796	1997	1998	267	191	364	118	715	1815	3471
35796	36161	1998	1999	268	192	364	119	716	1815	3473
36161	36526	1999	2000	268	192	364	119	716	1815	3474
36526	36892	2000	2001	268	192	364	120	718	1816	3479
36892	37257	2001	2002	269	192	364	121	721	1816	3483
37257	37622	2002	2003	269	193	365	122	722	1816	3487
37622	37987	2003	2004	269	193	365	123	723	1816	3489
37987	38353	2004	2005	269	193	365	123	724	1817	3490
38353	38718	2005	2006	269	193	365	123	724	1817	3491
38718	39083	2006	2007	269	193	365	123	724	1817	3491
39083	39448	2007	2008	269	193	365	123	725	1817	3492
39448	39814	2008	2009	269	193	365	123	725	1817	3492
39814	40179	2009	2010	269	193	365	123	725	1817	3492
40179	40544	2010	2011	269	193	365	123	725	1817	3492
40544	40909	2011	2012	269	193	365	123	725	1817	3492
40909	41275	2012	2013	269	193	365	123	725	1817	3493
41275	41640	2013	2014	269	193	365	123	725	1817	3493
41640	42005	2014	2015	269	193	365	123	725	1817	3493
42005	42370	2015	2016	269	193	365	123	725	1817	3493
42370	42736	2016	2017	269	193	365	123	725	1817	3493
42736	43101	2017	2018	269	193	365	123	725	1817	3493
43101	43466	2018	2019	269	193	365	123	725	1817	3493
43466	43831	2019	2020	269	193	365	123	725	1817	3493
43831	44197	2020	2021	269	193	365	123	725	1817	3493
44197	44562	2021	2022	269	193	365	123	725	1817	3493
44562	44927	2022	2023	269	193	365	123	725	1817	3493

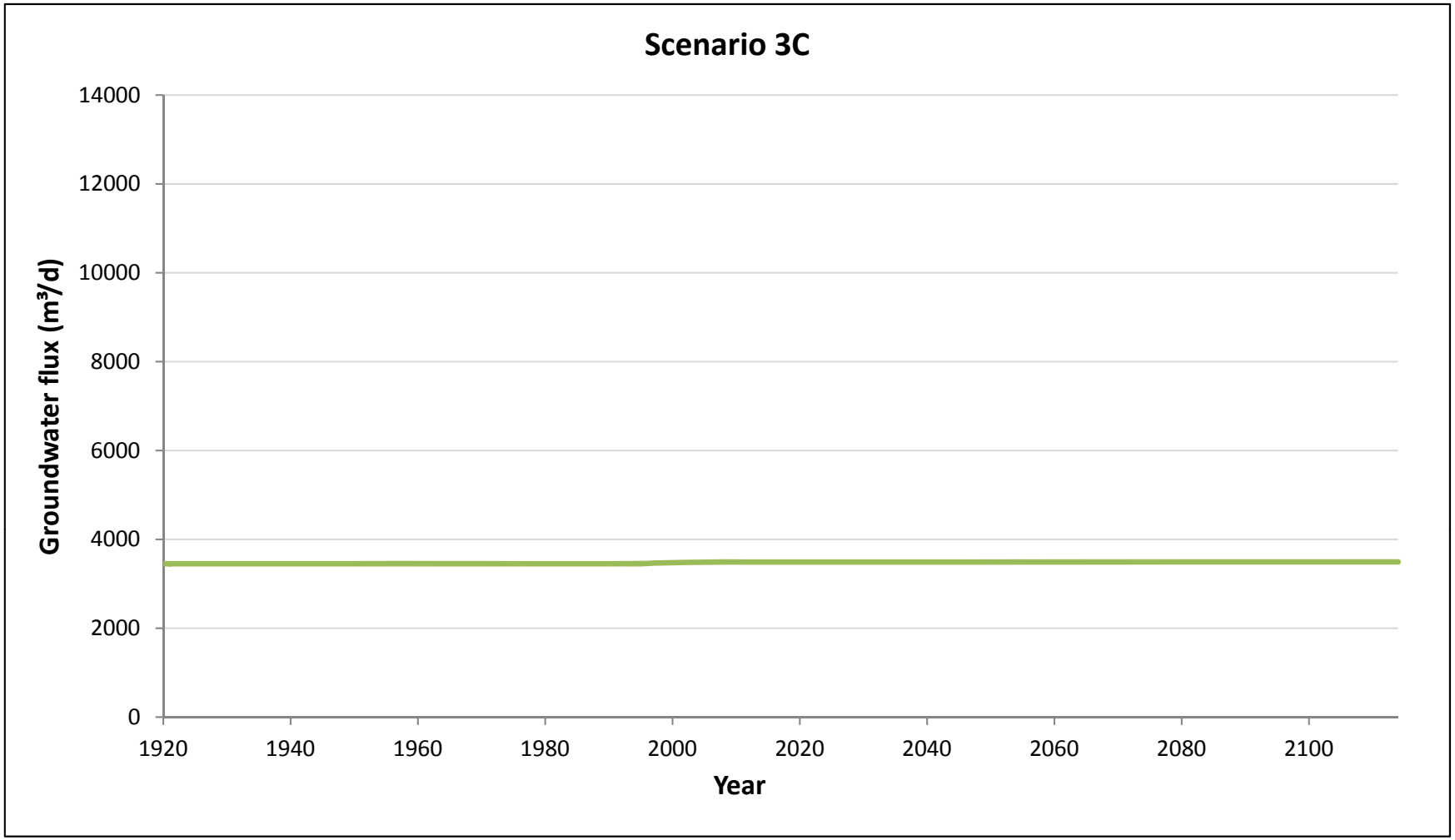
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	269	193	365	123	725	1817	3493
45292	45658	2024	2025	269	193	365	123	725	1817	3493
45658	46023	2025	2026	269	193	365	123	725	1817	3493
46023	46388	2026	2027	269	193	365	123	725	1817	3493
46388	46753	2027	2028	269	193	365	123	725	1817	3493
46753	47119	2028	2029	269	193	365	123	725	1817	3493
47119	47484	2029	2030	269	193	365	123	725	1817	3493
47484	47849	2030	2031	269	193	365	123	725	1817	3493
47849	48214	2031	2032	269	193	365	123	725	1817	3493
48214	48580	2032	2033	269	193	365	123	725	1817	3493
48580	48945	2033	2034	269	193	365	123	725	1817	3493
48945	49310	2034	2035	269	193	365	123	725	1817	3493
49310	49675	2035	2036	269	193	365	123	725	1817	3493
49675	50041	2036	2037	269	193	365	123	725	1817	3493
50041	50406	2037	2038	269	193	365	123	725	1817	3493
50406	50771	2038	2039	269	193	365	123	725	1817	3493
50771	51136	2039	2040	269	193	365	123	725	1817	3493
51136	51502	2040	2041	269	193	365	123	725	1817	3493
51502	51867	2041	2042	269	193	365	123	725	1817	3493
51867	52232	2042	2043	269	193	365	123	725	1817	3493
52232	52597	2043	2044	269	193	365	123	725	1817	3493
52597	52963	2044	2045	269	193	365	123	725	1817	3493
52963	53328	2045	2046	269	193	365	123	725	1817	3493
53328	53693	2046	2047	270	193	365	123	725	1817	3493
53693	54058	2047	2048	270	193	365	123	725	1817	3493
54058	54424	2048	2049	270	193	365	123	725	1817	3493
54424	54789	2049	2050	270	193	365	123	725	1817	3493
54789	55154	2050	2051	270	193	365	123	725	1817	3493
55154	55519	2051	2052	270	193	365	123	725	1817	3493
55519	55885	2052	2053	270	193	365	123	725	1817	3493
55885	56250	2053	2054	270	193	365	123	725	1817	3493
56250	56615	2054	2055	270	193	365	123	725	1817	3493
56615	56980	2055	2056	270	193	365	123	725	1817	3493
56980	57346	2056	2057	270	193	365	123	725	1817	3493
57346	57711	2057	2058	270	193	365	123	725	1817	3493
57711	58076	2058	2059	270	193	365	123	725	1817	3493
58076	58441	2059	2060	270	193	365	123	725	1817	3493
58441	58807	2060	2061	270	193	365	123	725	1817	3493
58807	59172	2061	2062	270	193	365	123	725	1817	3493
59172	59537	2062	2063	270	193	365	123	725	1817	3493
59537	59902	2063	2064	270	193	365	123	725	1817	3493
59902	60268	2064	2065	270	193	365	123	725	1817	3493
60268	60633	2065	2066	270	193	365	123	725	1817	3493
60633	60998	2066	2067	270	193	365	123	725	1817	3493
60998	61363	2067	2068	270	193	365	123	725	1817	3493
61363	61729	2068	2069	270	193	365	123	725	1817	3493

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	270	193	365	123	725	1817	3493
62094	62459	2070	2071	270	193	365	123	725	1817	3493
62459	62824	2071	2072	270	193	365	123	725	1817	3493
62824	63190	2072	2073	270	193	365	123	725	1817	3493
63190	63555	2073	2074	270	193	365	123	725	1817	3493
63555	63920	2074	2075	270	193	365	123	725	1817	3493
63920	64285	2075	2076	270	193	365	123	725	1817	3493
64285	64651	2076	2077	270	193	365	123	725	1817	3493
64651	65016	2077	2078	270	193	365	123	725	1817	3493
65016	65381	2078	2079	270	193	365	123	725	1817	3493
65381	65746	2079	2080	270	193	365	123	725	1817	3493
65746	66112	2080	2081	270	193	365	123	725	1817	3493
66112	66477	2081	2082	270	193	365	123	725	1817	3493
66477	66842	2082	2083	270	193	365	123	725	1817	3493
66842	67207	2083	2084	270	193	365	123	725	1817	3493
67207	67573	2084	2085	270	193	365	123	725	1817	3493
67573	67938	2085	2086	270	193	365	123	725	1817	3493
67938	68303	2086	2087	270	193	365	123	725	1817	3493
68303	68668	2087	2088	270	193	365	123	725	1817	3493
68668	69034	2088	2089	270	193	365	123	725	1817	3493
69034	69399	2089	2090	270	193	365	123	725	1817	3493
69399	69764	2090	2091	270	193	365	123	725	1817	3493
69764	70129	2091	2092	270	193	365	123	725	1817	3493
70129	70495	2092	2093	270	193	365	123	725	1817	3493
70495	70860	2093	2094	270	193	365	123	725	1817	3493
70860	71225	2094	2095	270	193	365	123	725	1817	3493
71225	71590	2095	2096	270	193	365	123	725	1817	3493
71590	71956	2096	2097	270	193	365	123	725	1817	3493
71956	72321	2097	2098	270	193	365	123	725	1817	3493
72321	72686	2098	2099	270	193	365	123	725	1817	3493
72686	73051	2099	2100	270	193	365	123	725	1817	3493
73051	73416	2100	2101	270	193	365	123	725	1817	3493
73416	73781	2101	2102	270	193	365	123	725	1817	3493
73781	74146	2102	2103	270	193	365	123	725	1817	3493
74146	74511	2103	2104	270	193	365	123	725	1817	3493
74511	74877	2104	2105	270	193	365	123	725	1817	3493
74877	75242	2105	2106	270	193	365	123	725	1817	3493
75242	75607	2106	2107	270	193	365	123	725	1817	3493
75607	75972	2107	2108	270	193	365	123	725	1817	3493
75972	76338	2108	2109	270	193	365	123	725	1817	3493
76338	76703	2109	2110	270	193	365	123	725	1817	3493
76703	77068	2110	2111	270	193	365	123	725	1817	3493
77068	77433	2111	2112	270	193	365	123	725	1817	3493
77433	77799	2112	2113	270	193	365	123	725	1817	3493
77799	78164	2113	2114	270	193	365	123	725	1817	3493

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3C)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S3C)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33970	34335	1993	1994	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34335	34700	1994	1995	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34700	35065	1995	1996	5.1	1.9	3.6	1.6	9.6	3.6	25.4
35065	35431	1996	1997	5.1	1.9	3.7	1.6	9.6	3.6	25.5
35431	35796	1997	1998	5.2	1.9	3.7	1.6	9.6	3.6	25.5
35796	36161	1998	1999	5.2	1.9	3.7	1.6	9.6	3.6	25.6
36161	36526	1999	2000	5.2	1.9	3.7	1.6	9.6	3.6	25.6
36526	36892	2000	2001	5.2	1.9	3.7	1.6	9.6	3.6	25.7
36892	37257	2001	2002	5.2	1.9	3.7	1.6	9.7	3.6	25.7
37257	37622	2002	2003	5.2	1.9	3.7	1.6	9.7	3.6	25.8
37622	37987	2003	2004	5.2	1.9	3.7	1.6	9.7	3.6	25.8
37987	38353	2004	2005	5.2	1.9	3.7	1.6	9.7	3.6	25.8
38353	38718	2005	2006	5.2	1.9	3.7	1.6	9.7	3.6	25.8
38718	39083	2006	2007	5.2	1.9	3.7	1.7	9.7	3.6	25.8
39083	39448	2007	2008	5.2	1.9	3.7	1.7	9.7	3.6	25.8
39448	39814	2008	2009	5.2	1.9	3.7	1.7	9.7	3.6	25.8
39814	40179	2009	2010	5.2	1.9	3.7	1.7	9.7	3.6	25.8
40179	40544	2010	2011	5.2	1.9	3.7	1.7	9.7	3.6	25.8
40544	40909	2011	2012	5.2	1.9	3.7	1.7	9.7	3.6	25.8
40909	41275	2012	2013	5.2	1.9	3.7	1.7	9.7	3.6	25.8
41275	41640	2013	2014	5.2	1.9	3.7	1.7	9.7	3.6	25.8
41640	42005	2014	2015	5.2	1.9	3.7	1.7	9.7	3.6	25.8
42005	42370	2015	2016	5.2	1.9	3.7	1.7	9.7	3.6	25.8
42370	42736	2016	2017	5.2	1.9	3.7	1.7	9.7	3.6	25.8
42736	43101	2017	2018	5.2	1.9	3.7	1.7	9.7	3.6	25.8
43101	43466	2018	2019	5.2	1.9	3.7	1.7	9.7	3.6	25.8
43466	43831	2019	2020	5.2	1.9	3.7	1.7	9.7	3.6	25.8
43831	44197	2020	2021	5.2	1.9	3.7	1.7	9.7	3.6	25.8
44197	44562	2021	2022	5.2	1.9	3.7	1.7	9.7	3.6	25.8
44562	44927	2022	2023	5.2	1.9	3.7	1.7	9.7	3.6	25.8
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

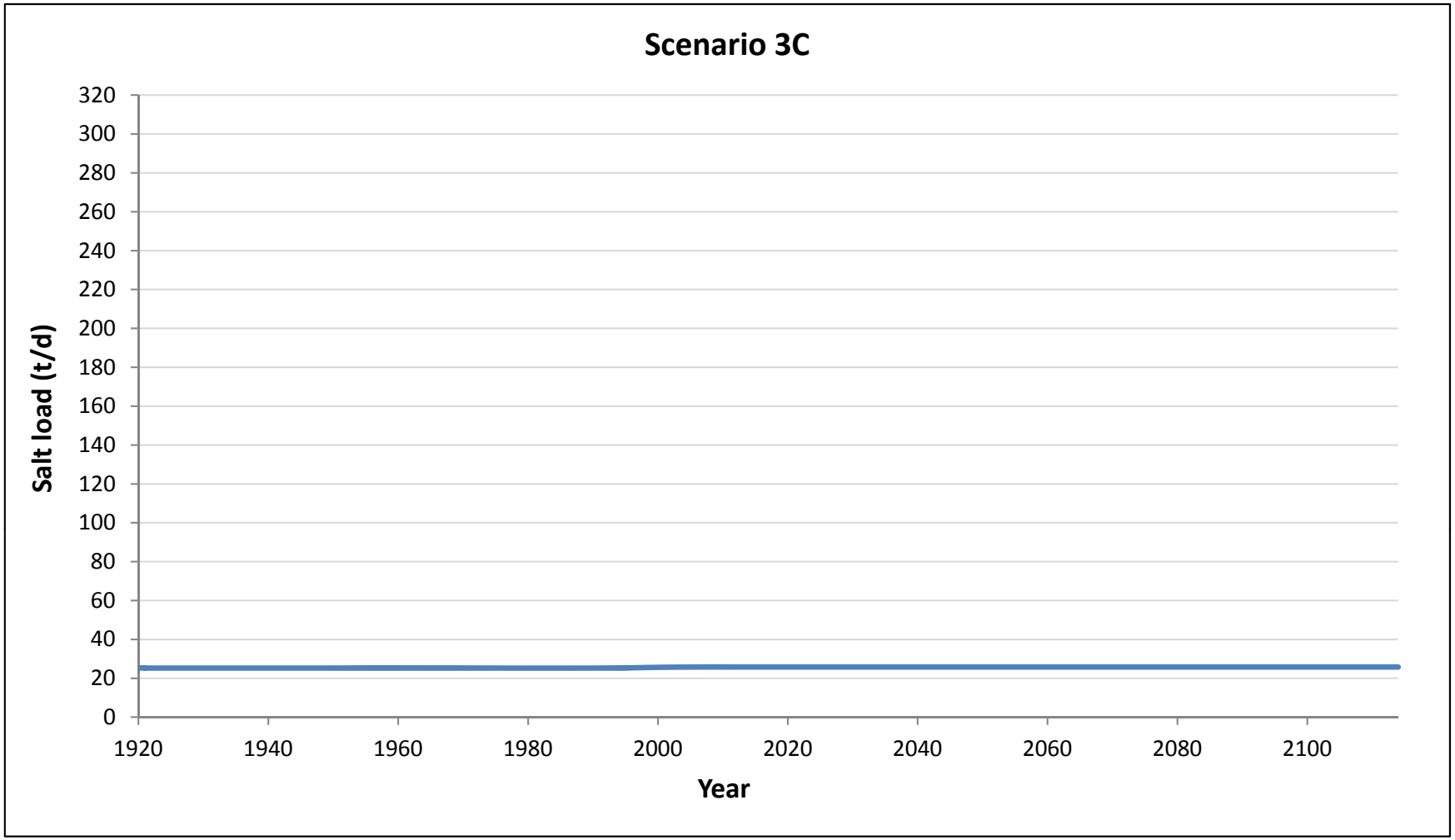
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	5.2	1.9	3.7	1.7	9.7	3.6	25.8
45292	45658	2024	2025	5.2	1.9	3.7	1.7	9.7	3.6	25.8
45658	46023	2025	2026	5.2	1.9	3.7	1.7	9.7	3.6	25.8
46023	46388	2026	2027	5.2	1.9	3.7	1.7	9.7	3.6	25.8
46388	46753	2027	2028	5.2	1.9	3.7	1.7	9.7	3.6	25.8
46753	47119	2028	2029	5.2	1.9	3.7	1.7	9.7	3.6	25.8
47119	47484	2029	2030	5.2	1.9	3.7	1.7	9.7	3.6	25.8
47484	47849	2030	2031	5.2	1.9	3.7	1.7	9.7	3.6	25.8
47849	48214	2031	2032	5.2	1.9	3.7	1.7	9.7	3.6	25.8
48214	48580	2032	2033	5.2	1.9	3.7	1.7	9.7	3.6	25.8
48580	48945	2033	2034	5.2	1.9	3.7	1.7	9.7	3.6	25.8
48945	49310	2034	2035	5.2	1.9	3.7	1.7	9.7	3.6	25.8
49310	49675	2035	2036	5.2	1.9	3.7	1.7	9.7	3.6	25.8
49675	50041	2036	2037	5.2	1.9	3.7	1.7	9.7	3.6	25.8
50041	50406	2037	2038	5.2	1.9	3.7	1.7	9.7	3.6	25.8
50406	50771	2038	2039	5.2	1.9	3.7	1.7	9.7	3.6	25.8
50771	51136	2039	2040	5.2	1.9	3.7	1.7	9.7	3.6	25.8
51136	51502	2040	2041	5.2	1.9	3.7	1.7	9.7	3.6	25.8
51502	51867	2041	2042	5.2	1.9	3.7	1.7	9.7	3.6	25.8
51867	52232	2042	2043	5.2	1.9	3.7	1.7	9.7	3.6	25.8
52232	52597	2043	2044	5.2	1.9	3.7	1.7	9.7	3.6	25.8
52597	52963	2044	2045	5.2	1.9	3.7	1.7	9.7	3.6	25.8
52963	53328	2045	2046	5.2	1.9	3.7	1.7	9.7	3.6	25.8
53328	53693	2046	2047	5.2	1.9	3.7	1.7	9.7	3.6	25.8
53693	54058	2047	2048	5.2	1.9	3.7	1.7	9.7	3.6	25.8
54058	54424	2048	2049	5.2	1.9	3.7	1.7	9.7	3.6	25.8
54424	54789	2049	2050	5.2	1.9	3.7	1.7	9.7	3.6	25.8
54789	55154	2050	2051	5.2	1.9	3.7	1.7	9.7	3.6	25.8
55154	55519	2051	2052	5.2	1.9	3.7	1.7	9.7	3.6	25.8
55519	55885	2052	2053	5.2	1.9	3.7	1.7	9.7	3.6	25.8
55885	56250	2053	2054	5.2	1.9	3.7	1.7	9.7	3.6	25.8
56250	56615	2054	2055	5.2	1.9	3.7	1.7	9.7	3.6	25.8
56615	56980	2055	2056	5.2	1.9	3.7	1.7	9.7	3.6	25.8
56980	57346	2056	2057	5.2	1.9	3.7	1.7	9.7	3.6	25.8
57346	57711	2057	2058	5.2	1.9	3.7	1.7	9.7	3.6	25.8
57711	58076	2058	2059	5.2	1.9	3.7	1.7	9.7	3.6	25.8
58076	58441	2059	2060	5.2	1.9	3.7	1.7	9.7	3.6	25.8
58441	58807	2060	2061	5.2	1.9	3.7	1.7	9.7	3.6	25.8
58807	59172	2061	2062	5.2	1.9	3.7	1.7	9.7	3.6	25.8
59172	59537	2062	2063	5.2	1.9	3.7	1.7	9.7	3.6	25.8
59537	59902	2063	2064	5.2	1.9	3.7	1.7	9.7	3.6	25.8
59902	60268	2064	2065	5.2	1.9	3.7	1.7	9.7	3.6	25.8
60268	60633	2065	2066	5.2	1.9	3.7	1.7	9.7	3.6	25.8
60633	60998	2066	2067	5.2	1.9	3.7	1.7	9.7	3.6	25.8
60998	61363	2067	2068	5.2	1.9	3.7	1.7	9.7	3.6	25.8
61363	61729	2068	2069	5.2	1.9	3.7	1.7	9.7	3.6	25.8
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	5.2	1.9	3.7	1.7	9.7	3.6	25.8
62094	62459	2070	2071	5.2	1.9	3.7	1.7	9.7	3.6	25.8
62459	62824	2071	2072	5.2	1.9	3.7	1.7	9.7	3.6	25.8
62824	63190	2072	2073	5.2	1.9	3.7	1.7	9.7	3.6	25.8
63190	63555	2073	2074	5.2	1.9	3.7	1.7	9.7	3.6	25.8
63555	63920	2074	2075	5.2	1.9	3.7	1.7	9.7	3.6	25.8
63920	64285	2075	2076	5.2	1.9	3.7	1.7	9.7	3.6	25.8
64285	64651	2076	2077	5.2	1.9	3.7	1.7	9.7	3.6	25.8
64651	65016	2077	2078	5.2	1.9	3.7	1.7	9.7	3.6	25.8
65016	65381	2078	2079	5.2	1.9	3.7	1.7	9.7	3.6	25.8
65381	65746	2079	2080	5.2	1.9	3.7	1.7	9.7	3.6	25.8
65746	66112	2080	2081	5.2	1.9	3.7	1.7	9.7	3.6	25.8
66112	66477	2081	2082	5.2	1.9	3.7	1.7	9.7	3.6	25.8
66477	66842	2082	2083	5.2	1.9	3.7	1.7	9.7	3.6	25.8
66842	67207	2083	2084	5.2	1.9	3.7	1.7	9.7	3.6	25.8
67207	67573	2084	2085	5.2	1.9	3.7	1.7	9.7	3.6	25.8
67573	67938	2085	2086	5.2	1.9	3.7	1.7	9.7	3.6	25.8
67938	68303	2086	2087	5.2	1.9	3.7	1.7	9.7	3.6	25.8
68303	68668	2087	2088	5.2	1.9	3.7	1.7	9.7	3.6	25.8
68668	69034	2088	2089	5.2	1.9	3.7	1.7	9.7	3.6	25.8
69034	69399	2089	2090	5.2	1.9	3.7	1.7	9.7	3.6	25.8
69399	69764	2090	2091	5.2	1.9	3.7	1.7	9.7	3.6	25.8
69764	70129	2091	2092	5.2	1.9	3.7	1.7	9.7	3.6	25.8
70129	70495	2092	2093	5.2	1.9	3.7	1.7	9.7	3.6	25.8
70495	70860	2093	2094	5.2	1.9	3.7	1.7	9.7	3.6	25.8
70860	71225	2094	2095	5.2	1.9	3.7	1.7	9.7	3.6	25.8
71225	71590	2095	2096	5.2	1.9	3.7	1.7	9.7	3.6	25.8
71590	71956	2096	2097	5.2	1.9	3.7	1.7	9.7	3.6	25.8
71956	72321	2097	2098	5.2	1.9	3.7	1.7	9.7	3.6	25.8
72321	72686	2098	2099	5.2	1.9	3.7	1.7	9.7	3.6	25.8
72686	73051	2099	2100	5.2	1.9	3.7	1.7	9.7	3.6	25.8
73051	73416	2100	2101	5.2	1.9	3.7	1.7	9.7	3.6	25.8
73416	73781	2101	2102	5.2	1.9	3.7	1.7	9.7	3.6	25.8
73781	74146	2102	2103	5.2	1.9	3.7	1.7	9.7	3.6	25.8
74146	74511	2103	2104	5.2	1.9	3.7	1.7	9.7	3.6	25.8
74511	74877	2104	2105	5.2	1.9	3.7	1.7	9.7	3.6	25.8
74877	75242	2105	2106	5.2	1.9	3.7	1.7	9.7	3.6	25.8
75242	75607	2106	2107	5.2	1.9	3.7	1.7	9.7	3.6	25.8
75607	75972	2107	2108	5.2	1.9	3.7	1.7	9.7	3.6	25.8
75972	76338	2108	2109	5.2	1.9	3.7	1.7	9.7	3.6	25.8
76338	76703	2109	2110	5.2	1.9	3.7	1.7	9.7	3.6	25.8
76703	77068	2110	2111	5.2	1.9	3.7	1.7	9.7	3.6	25.8
77068	77433	2111	2112	5.2	1.9	3.7	1.7	9.7	3.6	25.8
77433	77799	2112	2113	5.2	1.9	3.7	1.7	9.7	3.6	25.8
77799	78164	2113	2114	5.2	1.9	3.7	1.7	9.7	3.6	25.8
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S3C)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S3C)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	262	187	363	114	712	1815	3452
33970	34335	1993	1994	262	187	363	114	712	1815	3452
34335	34700	1994	1995	262	187	363	114	712	1815	3452
34700	35065	1995	1996	262	187	363	114	712	1815	3452
35065	35431	1996	1997	262	187	363	114	712	1815	3452
35431	35796	1997	1998	262	187	363	114	712	1815	3452
35796	36161	1998	1999	262	187	363	114	712	1815	3452
36161	36526	1999	2000	262	187	363	114	712	1815	3452
36526	36892	2000	2001	262	187	363	115	714	1815	3456
36892	37257	2001	2002	262	188	363	116	716	1815	3460
37257	37622	2002	2003	263	188	363	116	717	1815	3463
37622	37987	2003	2004	263	188	363	117	724	1816	3472
37987	38353	2004	2005	263	188	364	118	726	1817	3475
38353	38718	2005	2006	263	189	368	121	733	1826	3500
38718	39083	2006	2007	263	190	373	123	737	1834	3520
39083	39448	2007	2008	264	193	390	128	741	1840	3556
39448	39814	2008	2009	264	194	393	130	742	1842	3565
39814	40179	2009	2010	265	194	394	130	743	1844	3570
40179	40544	2010	2011	265	195	395	130	743	1844	3572
40544	40909	2011	2012	265	197	402	132	744	1845	3586
40909	41275	2012	2013	280	210	408	148	764	1849	3658
41275	41640	2013	2014	289	219	412	161	781	1853	3714
41640	42005	2014	2015	293	225	418	171	796	1860	3762
42005	42370	2015	2016	296	228	421	176	805	1864	3789
42370	42736	2016	2017	299	232	425	179	810	1866	3811
42736	43101	2017	2018	302	236	430	181	814	1868	3830
43101	43466	2018	2019	304	239	432	183	816	1869	3842
43466	43831	2019	2020	305	240	434	184	818	1870	3850
43831	44197	2020	2021	306	241	435	184	819	1870	3856
44197	44562	2021	2022	306	242	436	185	821	1871	3861
44562	44927	2022	2023	307	243	437	186	822	1872	3866

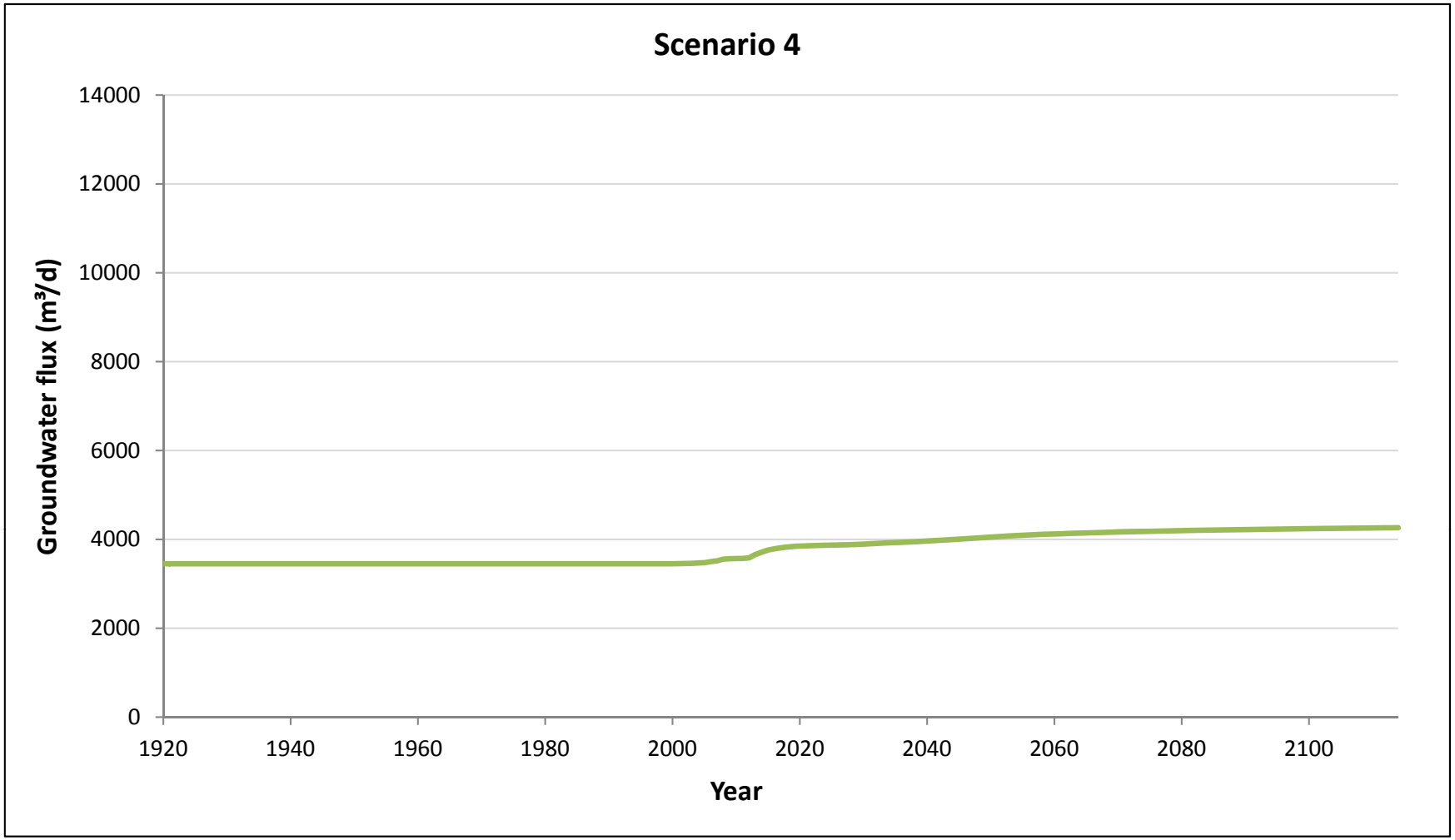
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S4)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	307	243	438	186	824	1872	3870
45292	45658	2024	2025	308	244	438	186	825	1873	3873
45658	46023	2025	2026	308	244	438	187	825	1873	3876
46023	46388	2026	2027	308	244	439	187	826	1873	3878
46388	46753	2027	2028	308	245	439	187	828	1874	3881
46753	47119	2028	2029	309	245	439	188	832	1876	3888
47119	47484	2029	2030	309	245	440	188	836	1878	3895
47484	47849	2030	2031	310	245	440	189	839	1880	3903
47849	48214	2031	2032	311	246	440	189	843	1881	3910
48214	48580	2032	2033	313	246	440	190	846	1883	3917
48580	48945	2033	2034	314	246	441	190	849	1884	3924
48945	49310	2034	2035	315	247	441	191	851	1886	3930
49310	49675	2035	2036	317	247	441	191	854	1887	3937
49675	50041	2036	2037	318	247	441	191	856	1888	3942
50041	50406	2037	2038	319	248	442	192	859	1889	3948
50406	50771	2038	2039	322	248	442	192	861	1891	3955
50771	51136	2039	2040	324	249	442	193	863	1892	3963
51136	51502	2040	2041	327	250	443	193	865	1893	3971
51502	51867	2041	2042	330	251	443	193	867	1894	3980
51867	52232	2042	2043	334	252	444	194	870	1896	3988
52232	52597	2043	2044	337	253	444	194	871	1897	3996
52597	52963	2044	2045	340	254	445	195	873	1898	4005
52963	53328	2045	2046	345	256	446	195	875	1899	4016
53328	53693	2046	2047	349	258	447	195	877	1900	4026
53693	54058	2047	2048	354	260	448	196	878	1901	4037
54058	54424	2048	2049	358	262	450	196	880	1902	4047
54424	54789	2049	2050	361	264	451	197	881	1902	4056
54789	55154	2050	2051	365	265	452	197	882	1903	4064
55154	55519	2051	2052	368	267	453	197	883	1904	4072
55519	55885	2052	2053	371	268	454	198	884	1905	4080
55885	56250	2053	2054	374	269	455	198	885	1906	4087
56250	56615	2054	2055	376	271	456	198	886	1906	4094
56615	56980	2055	2056	379	272	457	199	887	1907	4100
56980	57346	2056	2057	381	273	458	199	888	1907	4107
57346	57711	2057	2058	383	274	459	199	889	1908	4112
57711	58076	2058	2059	386	275	460	200	890	1909	4118
58076	58441	2059	2060	388	276	460	200	890	1909	4123
58441	58807	2060	2061	389	277	461	200	891	1910	4128
58807	59172	2061	2062	391	278	462	200	892	1910	4133
59172	59537	2062	2063	393	279	463	201	892	1911	4138
59537	59902	2063	2064	395	280	463	201	893	1911	4143
59902	60268	2064	2065	397	281	464	201	893	1911	4147
60268	60633	2065	2066	398	281	465	201	894	1912	4151
60633	60998	2066	2067	400	282	465	202	894	1912	4155
60998	61363	2067	2068	401	283	466	202	895	1913	4159
61363	61729	2068	2069	403	284	467	202	895	1913	4163

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S4)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	404	284	467	202	896	1913	4167
62094	62459	2070	2071	405	285	468	202	896	1914	4170
62459	62824	2071	2072	407	286	468	203	896	1914	4174
62824	63190	2072	2073	408	286	469	203	897	1914	4177
63190	63555	2073	2074	409	287	470	203	897	1915	4180
63555	63920	2074	2075	410	288	470	203	898	1915	4184
63920	64285	2075	2076	412	288	471	203	898	1915	4187
64285	64651	2076	2077	413	289	471	203	898	1916	4190
64651	65016	2077	2078	414	289	472	203	898	1916	4193
65016	65381	2078	2079	415	290	472	204	899	1916	4196
65381	65746	2079	2080	416	291	473	204	899	1917	4199
65746	66112	2080	2081	417	291	473	204	899	1917	4201
66112	66477	2081	2082	418	292	474	204	900	1917	4204
66477	66842	2082	2083	419	292	474	204	900	1917	4207
66842	67207	2083	2084	420	293	475	204	900	1918	4209
67207	67573	2084	2085	421	293	475	204	900	1918	4212
67573	67938	2085	2086	422	294	475	205	901	1918	4214
67938	68303	2086	2087	423	294	476	205	901	1918	4216
68303	68668	2087	2088	423	295	476	205	901	1918	4219
68668	69034	2088	2089	424	295	477	205	901	1919	4221
69034	69399	2089	2090	425	295	477	205	901	1919	4223
69399	69764	2090	2091	426	296	478	205	902	1919	4225
69764	70129	2091	2092	427	296	478	205	902	1919	4227
70129	70495	2092	2093	428	297	478	205	902	1919	4229
70495	70860	2093	2094	428	297	479	206	902	1920	4231
70860	71225	2094	2095	429	298	479	206	902	1920	4233
71225	71590	2095	2096	430	298	479	206	903	1920	4235
71590	71956	2096	2097	430	298	480	206	903	1920	4237
71956	72321	2097	2098	431	299	480	206	903	1920	4239
72321	72686	2098	2099	432	299	480	206	903	1921	4241
72686	73051	2099	2100	433	299	481	206	903	1921	4243
73051	73416	2100	2101	433	300	481	206	903	1921	4244
73416	73781	2101	2102	434	300	481	206	904	1921	4246
73781	74146	2102	2103	434	300	482	206	904	1921	4248
74146	74511	2103	2104	435	301	482	206	904	1921	4250
74511	74877	2104	2105	436	301	482	207	904	1922	4251
74877	75242	2105	2106	436	301	483	207	904	1922	4253
75242	75607	2106	2107	437	302	483	207	904	1922	4254
75607	75972	2107	2108	437	302	483	207	904	1922	4256
75972	76338	2108	2109	438	302	484	207	904	1922	4257
76338	76703	2109	2110	439	303	484	207	905	1922	4259
76703	77068	2110	2111	439	303	484	207	905	1922	4260
77068	77433	2111	2112	440	303	484	207	905	1922	4262
77433	77799	2112	2113	440	304	485	207	905	1923	4263
77799	78164	2113	2114	441	304	485	207	905	1923	4265

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S4)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33970	34335	1993	1994	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34335	34700	1994	1995	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34700	35065	1995	1996	5.1	1.9	3.6	1.5	9.6	3.6	25.3
35065	35431	1996	1997	5.1	1.9	3.6	1.5	9.6	3.6	25.3
35431	35796	1997	1998	5.1	1.9	3.6	1.5	9.6	3.6	25.3
35796	36161	1998	1999	5.1	1.9	3.6	1.5	9.6	3.6	25.3
36161	36526	1999	2000	5.1	1.9	3.6	1.5	9.6	3.6	25.3
36526	36892	2000	2001	5.1	1.9	3.6	1.5	9.6	3.6	25.3
36892	37257	2001	2002	5.1	1.9	3.6	1.6	9.6	3.6	25.4
37257	37622	2002	2003	5.1	1.9	3.6	1.6	9.6	3.6	25.4
37622	37987	2003	2004	5.1	1.9	3.6	1.6	9.7	3.6	25.5
37987	38353	2004	2005	5.1	1.9	3.7	1.6	9.7	3.6	25.6
38353	38718	2005	2006	5.1	1.9	3.7	1.6	9.8	3.7	25.8
38718	39083	2006	2007	5.1	1.9	3.7	1.7	9.9	3.7	25.9
39083	39448	2007	2008	5.1	1.9	3.9	1.7	9.9	3.7	26.3
39448	39814	2008	2009	5.1	1.9	3.9	1.7	10.0	3.7	26.4
39814	40179	2009	2010	5.1	2.0	4.0	1.7	10.0	3.7	26.4
40179	40544	2010	2011	5.1	2.0	4.0	1.8	10.0	3.7	26.4
40544	40909	2011	2012	5.1	2.0	4.0	1.8	10.0	3.7	26.6
40909	41275	2012	2013	5.4	2.1	4.1	2.0	10.2	3.7	27.5
41275	41640	2013	2014	5.6	2.2	4.1	2.2	10.5	3.7	28.3
41640	42005	2014	2015	5.7	2.3	4.2	2.3	10.7	3.7	28.8
42005	42370	2015	2016	5.7	2.3	4.2	2.4	10.8	3.7	29.1
42370	42736	2016	2017	5.8	2.3	4.3	2.4	10.9	3.7	29.4
42736	43101	2017	2018	5.8	2.4	4.3	2.4	10.9	3.7	29.6
43101	43466	2018	2019	5.9	2.4	4.3	2.5	11.0	3.7	29.7
43466	43831	2019	2020	5.9	2.4	4.4	2.5	11.0	3.7	29.8
43831	44197	2020	2021	5.9	2.4	4.4	2.5	11.0	3.7	29.9
44197	44562	2021	2022	5.9	2.4	4.4	2.5	11.0	3.7	30.0
44562	44927	2022	2023	5.9	2.4	4.4	2.5	11.0	3.7	30.0
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

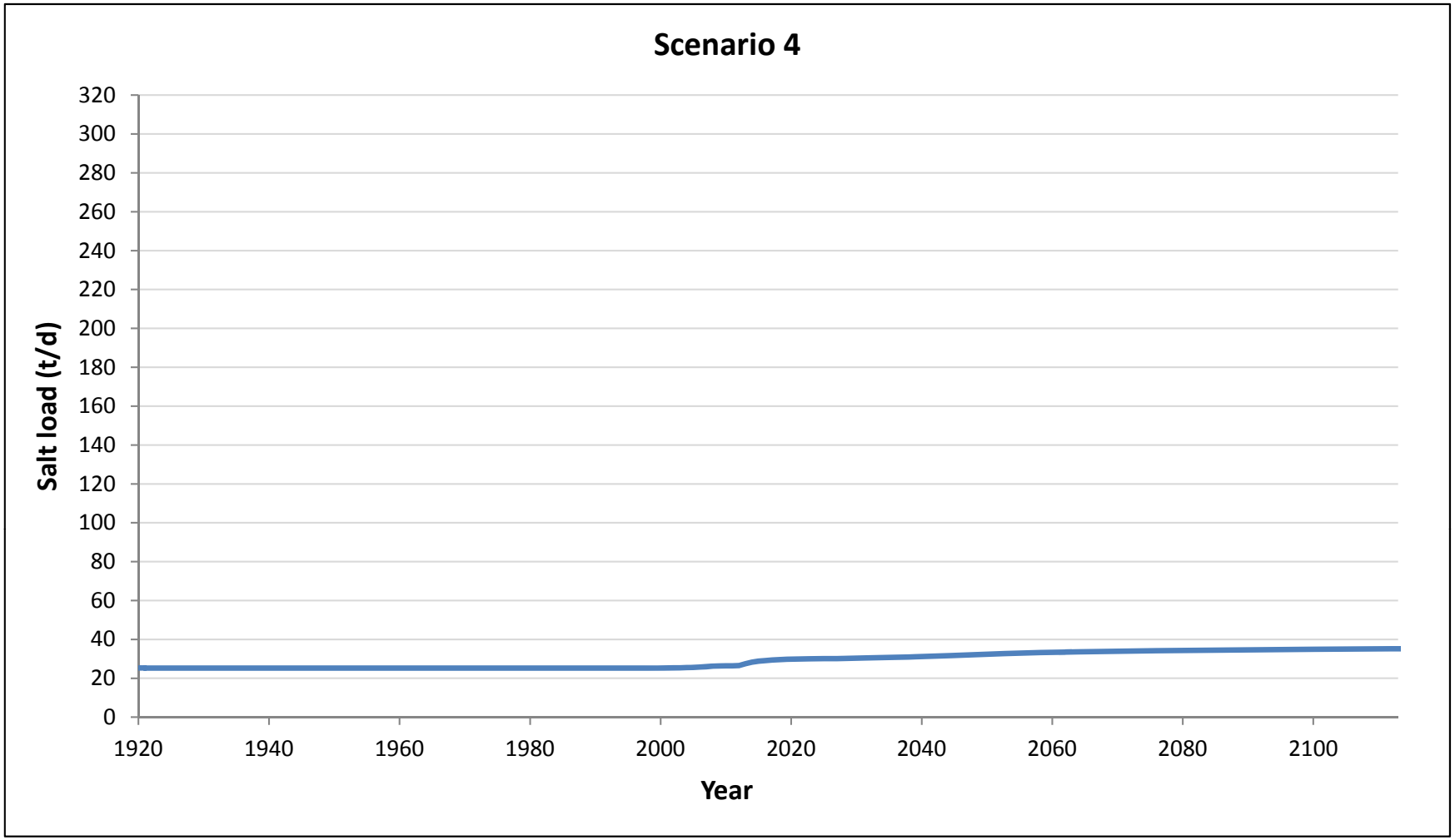
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S4)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	5.9	2.4	4.4	2.5	11.1	3.7	30.1
45292	45658	2024	2025	5.9	2.4	4.4	2.5	11.1	3.7	30.1
45658	46023	2025	2026	6.0	2.5	4.4	2.5	11.1	3.7	30.1
46023	46388	2026	2027	6.0	2.5	4.4	2.5	11.1	3.7	30.2
46388	46753	2027	2028	6.0	2.5	4.4	2.5	11.1	3.7	30.2
46753	47119	2028	2029	6.0	2.5	4.4	2.5	11.2	3.8	30.3
47119	47484	2029	2030	6.0	2.5	4.4	2.5	11.2	3.8	30.3
47484	47849	2030	2031	6.0	2.5	4.4	2.5	11.3	3.8	30.4
47849	48214	2031	2032	6.0	2.5	4.4	2.5	11.3	3.8	30.5
48214	48580	2032	2033	6.0	2.5	4.4	2.5	11.4	3.8	30.6
48580	48945	2033	2034	6.1	2.5	4.4	2.6	11.4	3.8	30.7
48945	49310	2034	2035	6.1	2.5	4.4	2.6	11.4	3.8	30.7
49310	49675	2035	2036	6.1	2.5	4.4	2.6	11.5	3.8	30.8
49675	50041	2036	2037	6.1	2.5	4.4	2.6	11.5	3.8	30.9
50041	50406	2037	2038	6.2	2.5	4.4	2.6	11.5	3.8	31.0
50406	50771	2038	2039	6.2	2.5	4.4	2.6	11.6	3.8	31.1
50771	51136	2039	2040	6.3	2.5	4.4	2.6	11.6	3.8	31.2
51136	51502	2040	2041	6.3	2.5	4.4	2.6	11.6	3.8	31.3
51502	51867	2041	2042	6.4	2.5	4.4	2.6	11.6	3.8	31.4
51867	52232	2042	2043	6.4	2.5	4.5	2.6	11.7	3.8	31.5
52232	52597	2043	2044	6.5	2.5	4.5	2.6	11.7	3.8	31.6
52597	52963	2044	2045	6.6	2.6	4.5	2.6	11.7	3.8	31.7
52963	53328	2045	2046	6.7	2.6	4.5	2.6	11.7	3.8	31.9
53328	53693	2046	2047	6.7	2.6	4.5	2.6	11.8	3.8	32.0
53693	54058	2047	2048	6.8	2.6	4.5	2.6	11.8	3.8	32.2
54058	54424	2048	2049	6.9	2.6	4.5	2.6	11.8	3.8	32.3
54424	54789	2049	2050	7.0	2.6	4.5	2.6	11.8	3.8	32.4
54789	55154	2050	2051	7.0	2.7	4.5	2.6	11.8	3.8	32.5
55154	55519	2051	2052	7.1	2.7	4.5	2.6	11.9	3.8	32.6
55519	55885	2052	2053	7.2	2.7	4.6	2.7	11.9	3.8	32.8
55885	56250	2053	2054	7.2	2.7	4.6	2.7	11.9	3.8	32.8
56250	56615	2054	2055	7.3	2.7	4.6	2.7	11.9	3.8	32.9
56615	56980	2055	2056	7.3	2.7	4.6	2.7	11.9	3.8	33.0
56980	57346	2056	2057	7.4	2.7	4.6	2.7	11.9	3.8	33.1
57346	57711	2057	2058	7.4	2.8	4.6	2.7	11.9	3.8	33.2
57711	58076	2058	2059	7.4	2.8	4.6	2.7	11.9	3.8	33.3
58076	58441	2059	2060	7.5	2.8	4.6	2.7	11.9	3.8	33.3
58441	58807	2060	2061	7.5	2.8	4.6	2.7	12.0	3.8	33.4
58807	59172	2061	2062	7.6	2.8	4.6	2.7	12.0	3.8	33.5
59172	59537	2062	2063	7.6	2.8	4.6	2.7	12.0	3.8	33.5
59537	59902	2063	2064	7.6	2.8	4.7	2.7	12.0	3.8	33.6
59902	60268	2064	2065	7.7	2.8	4.7	2.7	12.0	3.8	33.6
60268	60633	2065	2066	7.7	2.8	4.7	2.7	12.0	3.8	33.7
60633	60998	2066	2067	7.7	2.8	4.7	2.7	12.0	3.8	33.8
60998	61363	2067	2068	7.7	2.8	4.7	2.7	12.0	3.8	33.8
61363	61729	2068	2069	7.8	2.8	4.7	2.7	12.0	3.8	33.9
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S4)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	7.8	2.9	4.7	2.7	12.0	3.8	33.9
62094	62459	2070	2071	7.8	2.9	4.7	2.7	12.0	3.8	34.0
62459	62824	2071	2072	7.9	2.9	4.7	2.7	12.0	3.8	34.0
62824	63190	2072	2073	7.9	2.9	4.7	2.7	12.0	3.8	34.0
63190	63555	2073	2074	7.9	2.9	4.7	2.7	12.0	3.8	34.1
63555	63920	2074	2075	7.9	2.9	4.7	2.7	12.0	3.8	34.1
63920	64285	2075	2076	8.0	2.9	4.7	2.7	12.0	3.8	34.2
64285	64651	2076	2077	8.0	2.9	4.7	2.7	12.1	3.8	34.2
64651	65016	2077	2078	8.0	2.9	4.7	2.7	12.1	3.8	34.3
65016	65381	2078	2079	8.0	2.9	4.7	2.7	12.1	3.8	34.3
65381	65746	2079	2080	8.0	2.9	4.7	2.7	12.1	3.8	34.3
65746	66112	2080	2081	8.1	2.9	4.8	2.7	12.1	3.8	34.4
66112	66477	2081	2082	8.1	2.9	4.8	2.7	12.1	3.8	34.4
66477	66842	2082	2083	8.1	2.9	4.8	2.7	12.1	3.8	34.4
66842	67207	2083	2084	8.1	2.9	4.8	2.7	12.1	3.8	34.5
67207	67573	2084	2085	8.1	2.9	4.8	2.7	12.1	3.8	34.5
67573	67938	2085	2086	8.1	2.9	4.8	2.7	12.1	3.8	34.5
67938	68303	2086	2087	8.2	3.0	4.8	2.7	12.1	3.8	34.6
68303	68668	2087	2088	8.2	3.0	4.8	2.7	12.1	3.8	34.6
68668	69034	2088	2089	8.2	3.0	4.8	2.8	12.1	3.8	34.6
69034	69399	2089	2090	8.2	3.0	4.8	2.8	12.1	3.8	34.7
69399	69764	2090	2091	8.2	3.0	4.8	2.8	12.1	3.8	34.7
69764	70129	2091	2092	8.2	3.0	4.8	2.8	12.1	3.8	34.7
70129	70495	2092	2093	8.3	3.0	4.8	2.8	12.1	3.8	34.7
70495	70860	2093	2094	8.3	3.0	4.8	2.8	12.1	3.8	34.8
70860	71225	2094	2095	8.3	3.0	4.8	2.8	12.1	3.8	34.8
71225	71590	2095	2096	8.3	3.0	4.8	2.8	12.1	3.8	34.8
71590	71956	2096	2097	8.3	3.0	4.8	2.8	12.1	3.8	34.8
71956	72321	2097	2098	8.3	3.0	4.8	2.8	12.1	3.8	34.9
72321	72686	2098	2099	8.3	3.0	4.8	2.8	12.1	3.8	34.9
72686	73051	2099	2100	8.4	3.0	4.8	2.8	12.1	3.8	34.9
73051	73416	2100	2101	8.4	3.0	4.8	2.8	12.1	3.8	34.9
73416	73781	2101	2102	8.4	3.0	4.8	2.8	12.1	3.8	35.0
73781	74146	2102	2103	8.4	3.0	4.8	2.8	12.1	3.8	35.0
74146	74511	2103	2104	8.4	3.0	4.8	2.8	12.1	3.8	35.0
74511	74877	2104	2105	8.4	3.0	4.8	2.8	12.1	3.8	35.0
74877	75242	2105	2106	8.4	3.0	4.8	2.8	12.1	3.8	35.1
75242	75607	2106	2107	8.4	3.0	4.8	2.8	12.1	3.8	35.1
75607	75972	2107	2108	8.5	3.0	4.9	2.8	12.1	3.8	35.1
75972	76338	2108	2109	8.5	3.0	4.9	2.8	12.1	3.8	35.1
76338	76703	2109	2110	8.5	3.0	4.9	2.8	12.1	3.8	35.1
76703	77068	2110	2111	8.5	3.0	4.9	2.8	12.1	3.8	35.2
77068	77433	2111	2112	8.5	3.0	4.9	2.8	12.1	3.8	35.2
77433	77799	2112	2113	8.5	3.0	4.9	2.8	12.1	3.8	35.2
77799	78164	2113	2114	8.5	3.1	4.9	2.8	12.1	3.8	35.2
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S4)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S4)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	262	187	363	114	712	1815	3452
33970	34335	1993	1994	262	187	363	114	712	1815	3452
34335	34700	1994	1995	262	187	363	114	712	1815	3452
34700	35065	1995	1996	262	187	363	114	712	1815	3452
35065	35431	1996	1997	262	187	363	114	712	1815	3452
35431	35796	1997	1998	262	187	363	114	712	1815	3452
35796	36161	1998	1999	262	187	363	114	712	1815	3452
36161	36526	1999	2000	262	187	363	114	712	1815	3452
36526	36892	2000	2001	262	187	363	115	714	1815	3456
36892	37257	2001	2002	262	188	363	116	716	1815	3460
37257	37622	2002	2003	263	188	363	116	717	1815	3463
37622	37987	2003	2004	263	188	363	117	724	1816	3472
37987	38353	2004	2005	263	188	364	118	726	1817	3475
38353	38718	2005	2006	263	189	368	121	733	1826	3500
38718	39083	2006	2007	263	190	373	123	737	1834	3520
39083	39448	2007	2008	264	193	390	128	741	1840	3556
39448	39814	2008	2009	264	194	393	130	742	1842	3565
39814	40179	2009	2010	265	194	394	130	743	1844	3570
40179	40544	2010	2011	265	195	395	130	743	1844	3572
40544	40909	2011	2012	265	197	402	132	744	1845	3586
40909	41275	2012	2013	280	210	408	148	764	1849	3658
41275	41640	2013	2014	289	219	412	161	781	1853	3714
41640	42005	2014	2015	293	225	418	171	796	1860	3762
42005	42370	2015	2016	296	228	421	176	805	1864	3789
42370	42736	2016	2017	299	232	425	179	810	1866	3811
42736	43101	2017	2018	302	236	430	181	814	1868	3830
43101	43466	2018	2019	304	239	432	183	816	1869	3842
43466	43831	2019	2020	305	240	434	184	818	1870	3850
43831	44197	2020	2021	306	241	435	184	819	1870	3856
44197	44562	2021	2022	306	242	436	185	821	1871	3861
44562	44927	2022	2023	307	243	437	186	822	1872	3866

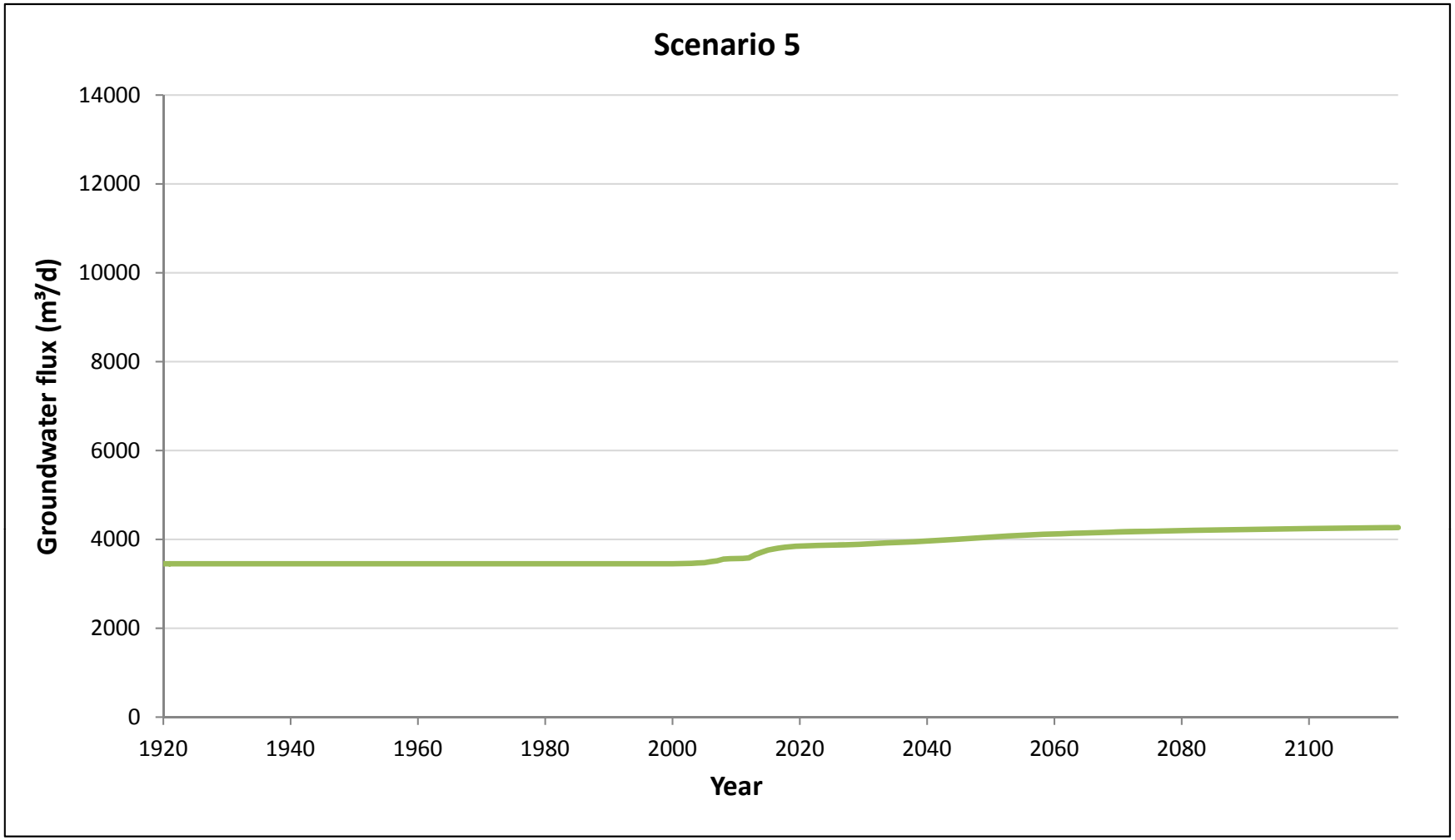
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S5)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	307	243	438	186	824	1872	3870
45292	45658	2024	2025	308	244	438	186	825	1873	3873
45658	46023	2025	2026	308	244	438	187	825	1873	3876
46023	46388	2026	2027	308	244	439	187	826	1873	3878
46388	46753	2027	2028	308	245	439	187	828	1874	3881
46753	47119	2028	2029	309	245	439	188	832	1876	3888
47119	47484	2029	2030	309	245	440	188	836	1878	3895
47484	47849	2030	2031	310	245	440	189	839	1880	3903
47849	48214	2031	2032	311	246	440	189	843	1881	3910
48214	48580	2032	2033	313	246	440	190	846	1883	3917
48580	48945	2033	2034	314	246	441	190	849	1884	3924
48945	49310	2034	2035	315	247	441	191	851	1886	3930
49310	49675	2035	2036	317	247	441	191	854	1887	3937
49675	50041	2036	2037	318	247	441	191	856	1888	3942
50041	50406	2037	2038	319	248	442	192	859	1889	3948
50406	50771	2038	2039	322	248	442	192	861	1891	3955
50771	51136	2039	2040	324	249	442	193	863	1892	3963
51136	51502	2040	2041	327	250	443	193	865	1893	3971
51502	51867	2041	2042	330	251	443	193	867	1894	3980
51867	52232	2042	2043	334	252	444	194	870	1896	3988
52232	52597	2043	2044	337	253	444	194	871	1897	3996
52597	52963	2044	2045	340	254	445	195	873	1898	4005
52963	53328	2045	2046	345	256	446	195	875	1899	4016
53328	53693	2046	2047	349	258	447	195	877	1900	4027
53693	54058	2047	2048	354	260	448	196	878	1901	4037
54058	54424	2048	2049	358	262	450	196	880	1902	4047
54424	54789	2049	2050	361	264	451	197	881	1902	4056
54789	55154	2050	2051	365	265	452	197	882	1903	4064
55154	55519	2051	2052	368	267	453	197	883	1904	4072
55519	55885	2052	2053	371	268	454	198	884	1905	4080
55885	56250	2053	2054	374	269	455	198	885	1906	4087
56250	56615	2054	2055	376	271	456	198	886	1906	4094
56615	56980	2055	2056	379	272	457	199	887	1907	4100
56980	57346	2056	2057	381	273	458	199	888	1907	4107
57346	57711	2057	2058	383	274	459	199	889	1908	4112
57711	58076	2058	2059	386	275	460	200	890	1909	4118
58076	58441	2059	2060	388	276	460	200	890	1909	4123
58441	58807	2060	2061	390	277	461	200	891	1910	4129
58807	59172	2061	2062	391	278	462	200	892	1910	4133
59172	59537	2062	2063	393	279	463	201	892	1911	4138
59537	59902	2063	2064	395	280	463	201	893	1911	4143
59902	60268	2064	2065	397	281	464	201	893	1912	4147
60268	60633	2065	2066	398	281	465	201	894	1912	4151
60633	60998	2066	2067	400	282	465	202	894	1912	4156
60998	61363	2067	2068	401	283	466	202	895	1913	4160
61363	61729	2068	2069	403	284	467	202	895	1913	4163

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S5)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	404	284	467	202	896	1914	4167
62094	62459	2070	2071	405	285	468	202	896	1914	4171
62459	62824	2071	2072	407	286	469	203	897	1914	4174
62824	63190	2072	2073	408	286	469	203	897	1915	4178
63190	63555	2073	2074	409	287	470	203	897	1915	4181
63555	63920	2074	2075	410	288	470	203	898	1915	4184
63920	64285	2075	2076	412	288	471	203	898	1916	4187
64285	64651	2076	2077	413	289	471	203	898	1916	4190
64651	65016	2077	2078	414	289	472	204	899	1916	4193
65016	65381	2078	2079	415	290	472	204	899	1916	4196
65381	65746	2079	2080	416	291	473	204	899	1917	4199
65746	66112	2080	2081	417	291	473	204	900	1917	4202
66112	66477	2081	2082	418	292	474	204	900	1917	4205
66477	66842	2082	2083	419	292	474	204	900	1917	4207
66842	67207	2083	2084	420	293	475	204	900	1918	4210
67207	67573	2084	2085	421	293	475	205	901	1918	4212
67573	67938	2085	2086	422	294	476	205	901	1918	4215
67938	68303	2086	2087	423	294	476	205	901	1918	4217
68303	68668	2087	2088	424	295	476	205	901	1919	4220
68668	69034	2088	2089	425	295	477	205	902	1919	4222
69034	69399	2089	2090	426	296	477	205	902	1919	4224
69399	69764	2090	2091	426	296	478	205	902	1919	4227
69764	70129	2091	2092	427	296	478	205	902	1920	4229
70129	70495	2092	2093	428	297	478	205	903	1920	4231
70495	70860	2093	2094	429	297	479	206	903	1920	4233
70860	71225	2094	2095	430	298	479	206	903	1920	4235
71225	71590	2095	2096	430	298	480	206	903	1920	4237
71590	71956	2096	2097	431	298	480	206	903	1920	4239
71956	72321	2097	2098	432	299	480	206	903	1921	4241
72321	72686	2098	2099	432	299	481	206	904	1921	4243
72686	73051	2099	2100	433	300	481	206	904	1921	4245
73051	73416	2100	2101	434	300	481	206	904	1921	4246
73416	73781	2101	2102	435	300	482	206	904	1921	4248
73781	74146	2102	2103	435	301	482	207	904	1922	4250
74146	74511	2103	2104	436	301	482	207	904	1922	4252
74511	74877	2104	2105	436	301	483	207	905	1922	4253
74877	75242	2105	2106	437	302	483	207	905	1922	4255
75242	75607	2106	2107	438	302	483	207	905	1922	4257
75607	75972	2107	2108	438	302	483	207	905	1922	4258
75972	76338	2108	2109	439	303	484	207	905	1922	4260
76338	76703	2109	2110	440	303	484	207	905	1923	4261
76703	77068	2110	2111	440	303	484	207	905	1923	4263
77068	77433	2111	2112	441	304	485	207	905	1923	4264
77433	77799	2112	2113	441	304	485	207	906	1923	4266
77799	78164	2113	2114	442	304	485	207	906	1923	4267

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S5)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S5)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33970	34335	1993	1994	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34335	34700	1994	1995	5.1	1.9	3.6	1.5	9.6	3.6	25.3
34700	35065	1995	1996	5.1	1.9	3.6	1.5	9.6	3.6	25.3
35065	35431	1996	1997	5.1	1.9	3.6	1.5	9.6	3.6	25.3
35431	35796	1997	1998	5.1	1.9	3.6	1.5	9.6	3.6	25.3
35796	36161	1998	1999	5.1	1.9	3.6	1.5	9.6	3.6	25.3
36161	36526	1999	2000	5.1	1.9	3.6	1.5	9.6	3.6	25.3
36526	36892	2000	2001	5.1	1.9	3.6	1.5	9.6	3.6	25.3
36892	37257	2001	2002	5.1	1.9	3.6	1.6	9.6	3.6	25.4
37257	37622	2002	2003	5.1	1.9	3.6	1.6	9.6	3.6	25.4
37622	37987	2003	2004	5.1	1.9	3.6	1.6	9.7	3.6	25.5
37987	38353	2004	2005	5.1	1.9	3.7	1.6	9.7	3.6	25.6
38353	38718	2005	2006	5.1	1.9	3.7	1.6	9.8	3.7	25.8
38718	39083	2006	2007	5.1	1.9	3.7	1.7	9.9	3.7	25.9
39083	39448	2007	2008	5.1	1.9	3.9	1.7	9.9	3.7	26.3
39448	39814	2008	2009	5.1	1.9	3.9	1.7	10.0	3.7	26.4
39814	40179	2009	2010	5.1	2.0	4.0	1.7	10.0	3.7	26.4
40179	40544	2010	2011	5.1	2.0	4.0	1.8	10.0	3.7	26.4
40544	40909	2011	2012	5.1	2.0	4.0	1.8	10.0	3.7	26.6
40909	41275	2012	2013	5.4	2.1	4.1	2.0	10.2	3.7	27.5
41275	41640	2013	2014	5.6	2.2	4.1	2.2	10.5	3.7	28.3
41640	42005	2014	2015	5.7	2.3	4.2	2.3	10.7	3.7	28.8
42005	42370	2015	2016	5.7	2.3	4.2	2.4	10.8	3.7	29.1
42370	42736	2016	2017	5.8	2.3	4.3	2.4	10.9	3.7	29.4
42736	43101	2017	2018	5.8	2.4	4.3	2.4	10.9	3.7	29.6
43101	43466	2018	2019	5.9	2.4	4.3	2.5	11.0	3.7	29.7
43466	43831	2019	2020	5.9	2.4	4.4	2.5	11.0	3.7	29.8
43831	44197	2020	2021	5.9	2.4	4.4	2.5	11.0	3.7	29.9
44197	44562	2021	2022	5.9	2.4	4.4	2.5	11.0	3.7	30.0
44562	44927	2022	2023	5.9	2.4	4.4	2.5	11.0	3.7	30.0
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

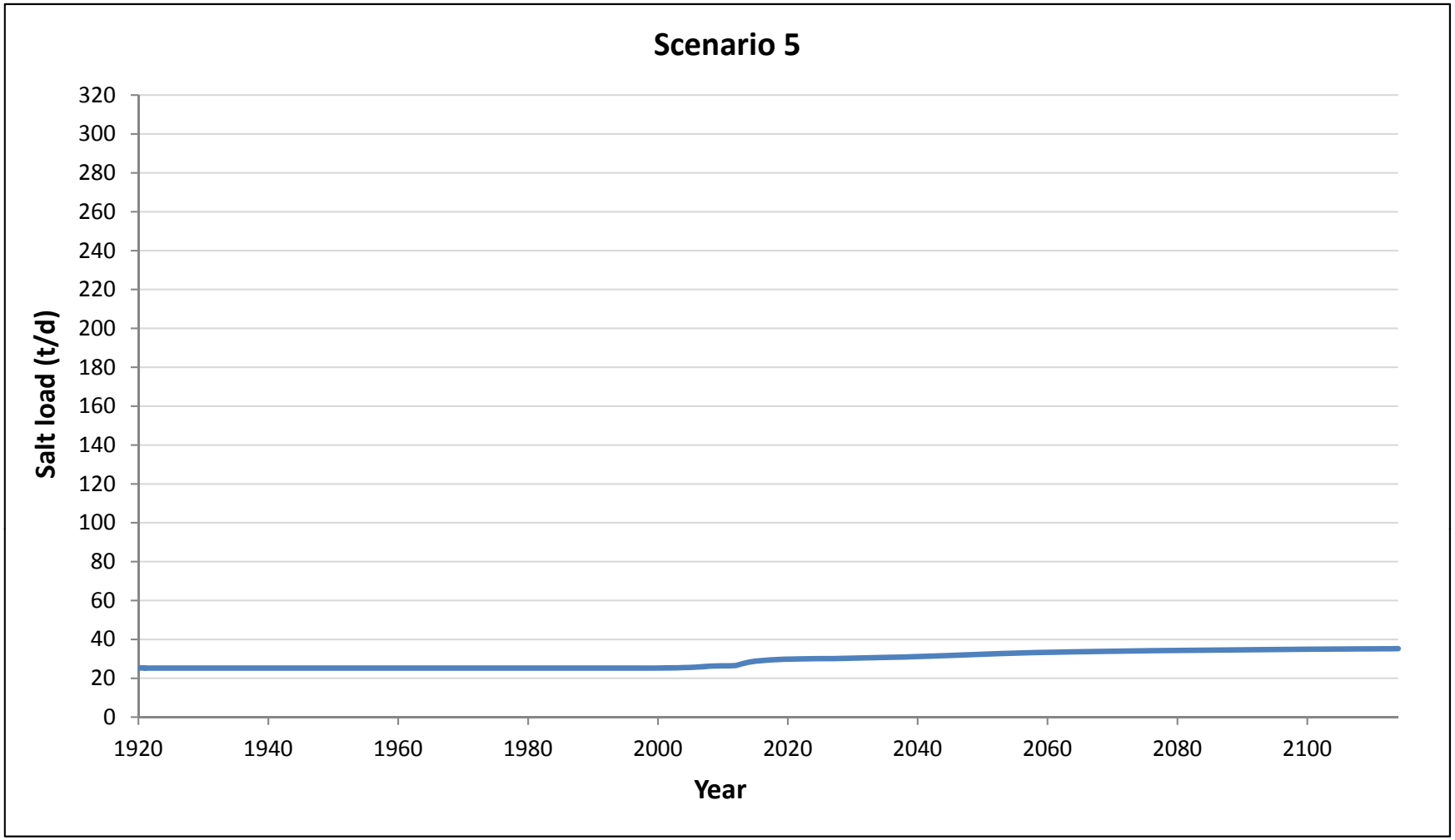
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S5)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m³/d)
44927	45292	2023	2024	5.9	2.4	4.4	2.5	11.1	3.7	30.1
45292	45658	2024	2025	5.9	2.4	4.4	2.5	11.1	3.7	30.1
45658	46023	2025	2026	6.0	2.5	4.4	2.5	11.1	3.7	30.1
46023	46388	2026	2027	6.0	2.5	4.4	2.5	11.1	3.7	30.2
46388	46753	2027	2028	6.0	2.5	4.4	2.5	11.1	3.7	30.2
46753	47119	2028	2029	6.0	2.5	4.4	2.5	11.2	3.8	30.3
47119	47484	2029	2030	6.0	2.5	4.4	2.5	11.2	3.8	30.3
47484	47849	2030	2031	6.0	2.5	4.4	2.5	11.3	3.8	30.4
47849	48214	2031	2032	6.0	2.5	4.4	2.5	11.3	3.8	30.5
48214	48580	2032	2033	6.0	2.5	4.4	2.5	11.4	3.8	30.6
48580	48945	2033	2034	6.1	2.5	4.4	2.6	11.4	3.8	30.7
48945	49310	2034	2035	6.1	2.5	4.4	2.6	11.4	3.8	30.7
49310	49675	2035	2036	6.1	2.5	4.4	2.6	11.5	3.8	30.8
49675	50041	2036	2037	6.1	2.5	4.4	2.6	11.5	3.8	30.9
50041	50406	2037	2038	6.2	2.5	4.4	2.6	11.5	3.8	31.0
50406	50771	2038	2039	6.2	2.5	4.4	2.6	11.6	3.8	31.1
50771	51136	2039	2040	6.3	2.5	4.4	2.6	11.6	3.8	31.2
51136	51502	2040	2041	6.3	2.5	4.4	2.6	11.6	3.8	31.3
51502	51867	2041	2042	6.4	2.5	4.4	2.6	11.6	3.8	31.4
51867	52232	2042	2043	6.4	2.5	4.5	2.6	11.7	3.8	31.5
52232	52597	2043	2044	6.5	2.5	4.5	2.6	11.7	3.8	31.6
52597	52963	2044	2045	6.6	2.6	4.5	2.6	11.7	3.8	31.7
52963	53328	2045	2046	6.7	2.6	4.5	2.6	11.7	3.8	31.9
53328	53693	2046	2047	6.7	2.6	4.5	2.6	11.8	3.8	32.0
53693	54058	2047	2048	6.8	2.6	4.5	2.6	11.8	3.8	32.2
54058	54424	2048	2049	6.9	2.6	4.5	2.6	11.8	3.8	32.3
54424	54789	2049	2050	7.0	2.6	4.5	2.6	11.8	3.8	32.4
54789	55154	2050	2051	7.0	2.7	4.5	2.6	11.8	3.8	32.5
55154	55519	2051	2052	7.1	2.7	4.5	2.6	11.9	3.8	32.6
55519	55885	2052	2053	7.2	2.7	4.6	2.7	11.9	3.8	32.8
55885	56250	2053	2054	7.2	2.7	4.6	2.7	11.9	3.8	32.8
56250	56615	2054	2055	7.3	2.7	4.6	2.7	11.9	3.8	32.9
56615	56980	2055	2056	7.3	2.7	4.6	2.7	11.9	3.8	33.0
56980	57346	2056	2057	7.4	2.7	4.6	2.7	11.9	3.8	33.1
57346	57711	2057	2058	7.4	2.8	4.6	2.7	11.9	3.8	33.2
57711	58076	2058	2059	7.4	2.8	4.6	2.7	11.9	3.8	33.3
58076	58441	2059	2060	7.5	2.8	4.6	2.7	11.9	3.8	33.3
58441	58807	2060	2061	7.5	2.8	4.6	2.7	12.0	3.8	33.4
58807	59172	2061	2062	7.6	2.8	4.6	2.7	12.0	3.8	33.5
59172	59537	2062	2063	7.6	2.8	4.6	2.7	12.0	3.8	33.5
59537	59902	2063	2064	7.6	2.8	4.7	2.7	12.0	3.8	33.6
59902	60268	2064	2065	7.7	2.8	4.7	2.7	12.0	3.8	33.7
60268	60633	2065	2066	7.7	2.8	4.7	2.7	12.0	3.8	33.7
60633	60998	2066	2067	7.7	2.8	4.7	2.7	12.0	3.8	33.8
60998	61363	2067	2068	7.8	2.8	4.7	2.7	12.0	3.8	33.8
61363	61729	2068	2069	7.8	2.8	4.7	2.7	12.0	3.8	33.9
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S5)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	7.8	2.9	4.7	2.7	12.0	3.8	33.9
62094	62459	2070	2071	7.8	2.9	4.7	2.7	12.0	3.8	34.0
62459	62824	2071	2072	7.9	2.9	4.7	2.7	12.0	3.8	34.0
62824	63190	2072	2073	7.9	2.9	4.7	2.7	12.0	3.8	34.1
63190	63555	2073	2074	7.9	2.9	4.7	2.7	12.0	3.8	34.1
63555	63920	2074	2075	7.9	2.9	4.7	2.7	12.0	3.8	34.1
63920	64285	2075	2076	8.0	2.9	4.7	2.7	12.1	3.8	34.2
64285	64651	2076	2077	8.0	2.9	4.7	2.7	12.1	3.8	34.2
64651	65016	2077	2078	8.0	2.9	4.7	2.7	12.1	3.8	34.3
65016	65381	2078	2079	8.0	2.9	4.7	2.7	12.1	3.8	34.3
65381	65746	2079	2080	8.0	2.9	4.7	2.7	12.1	3.8	34.3
65746	66112	2080	2081	8.1	2.9	4.8	2.7	12.1	3.8	34.4
66112	66477	2081	2082	8.1	2.9	4.8	2.7	12.1	3.8	34.4
66477	66842	2082	2083	8.1	2.9	4.8	2.7	12.1	3.8	34.4
66842	67207	2083	2084	8.1	2.9	4.8	2.7	12.1	3.8	34.5
67207	67573	2084	2085	8.1	2.9	4.8	2.7	12.1	3.8	34.5
67573	67938	2085	2086	8.2	2.9	4.8	2.7	12.1	3.8	34.6
67938	68303	2086	2087	8.2	3.0	4.8	2.7	12.1	3.8	34.6
68303	68668	2087	2088	8.2	3.0	4.8	2.7	12.1	3.8	34.6
68668	69034	2088	2089	8.2	3.0	4.8	2.8	12.1	3.8	34.6
69034	69399	2089	2090	8.2	3.0	4.8	2.8	12.1	3.8	34.7
69399	69764	2090	2091	8.2	3.0	4.8	2.8	12.1	3.8	34.7
69764	70129	2091	2092	8.3	3.0	4.8	2.8	12.1	3.8	34.7
70129	70495	2092	2093	8.3	3.0	4.8	2.8	12.1	3.8	34.8
70495	70860	2093	2094	8.3	3.0	4.8	2.8	12.1	3.8	34.8
70860	71225	2094	2095	8.3	3.0	4.8	2.8	12.1	3.8	34.8
71225	71590	2095	2096	8.3	3.0	4.8	2.8	12.1	3.8	34.8
71590	71956	2096	2097	8.3	3.0	4.8	2.8	12.1	3.8	34.9
71956	72321	2097	2098	8.3	3.0	4.8	2.8	12.1	3.8	34.9
72321	72686	2098	2099	8.4	3.0	4.8	2.8	12.1	3.8	34.9
72686	73051	2099	2100	8.4	3.0	4.8	2.8	12.1	3.8	34.9
73051	73416	2100	2101	8.4	3.0	4.8	2.8	12.1	3.8	35.0
73416	73781	2101	2102	8.4	3.0	4.8	2.8	12.1	3.8	35.0
73781	74146	2102	2103	8.4	3.0	4.8	2.8	12.1	3.8	35.0
74146	74511	2103	2104	8.4	3.0	4.8	2.8	12.1	3.8	35.0
74511	74877	2104	2105	8.4	3.0	4.8	2.8	12.1	3.8	35.1
74877	75242	2105	2106	8.4	3.0	4.8	2.8	12.1	3.8	35.1
75242	75607	2106	2107	8.5	3.0	4.9	2.8	12.1	3.8	35.1
75607	75972	2107	2108	8.5	3.0	4.9	2.8	12.1	3.8	35.1
75972	76338	2108	2109	8.5	3.0	4.9	2.8	12.1	3.8	35.1
76338	76703	2109	2110	8.5	3.0	4.9	2.8	12.1	3.8	35.2
76703	77068	2110	2111	8.5	3.0	4.9	2.8	12.1	3.8	35.2
77068	77433	2111	2112	8.5	3.0	4.9	2.8	12.2	3.8	35.2
77433	77799	2112	2113	8.5	3.1	4.9	2.8	12.2	3.8	35.2
77799	78164	2113	2114	8.5	3.1	4.9	2.8	12.2	3.8	35.2
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S5)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S5)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	179	175	360	107	695	1812	3326
33970	34335	1993	1994	155	168	357	104	688	1810	3281
34335	34700	1994	1995	144	164	355	102	684	1808	3257
34700	35065	1995	1996	139	161	354	101	681	1807	3243
35065	35431	1996	1997	135	159	353	101	679	1806	3233
35431	35796	1997	1998	133	158	352	100	678	1806	3226
35796	36161	1998	1999	131	157	351	100	677	1805	3221
36161	36526	1999	2000	130	156	351	100	676	1805	3217
36526	36892	2000	2001	129	156	350	100	676	1804	3215
36892	37257	2001	2002	128	155	350	100	677	1804	3213
37257	37622	2002	2003	127	155	349	100	677	1804	3211
37622	37987	2003	2004	126	154	349	101	682	1804	3216
37987	38353	2004	2005	126	154	348	101	683	1805	3216
38353	38718	2005	2006	125	154	353	103	689	1814	3238
38718	39083	2006	2007	125	155	357	106	693	1821	3256
39083	39448	2007	2008	125	157	374	111	696	1827	3290
39448	39814	2008	2009	125	158	376	112	697	1829	3297
39814	40179	2009	2010	125	158	377	112	698	1830	3300
40179	40544	2010	2011	124	158	378	112	698	1831	3301
40544	40909	2011	2012	124	159	385	114	699	1831	3313
40909	41275	2012	2013	137	172	390	129	715	1834	3377
41275	41640	2013	2014	145	181	394	139	728	1838	3423
41640	42005	2014	2015	149	185	400	147	738	1844	3461
42005	42370	2015	2016	150	187	402	150	743	1847	3480
42370	42736	2016	2017	152	191	406	153	746	1848	3497
42736	43101	2017	2018	154	195	410	154	748	1850	3511
43101	43466	2018	2019	156	197	412	155	749	1850	3519
43466	43831	2019	2020	157	198	414	155	749	1851	3524
43831	44197	2020	2021	157	199	415	156	750	1851	3528
44197	44562	2021	2022	158	200	416	156	750	1852	3530
44562	44927	2022	2023	158	200	416	156	751	1852	3532

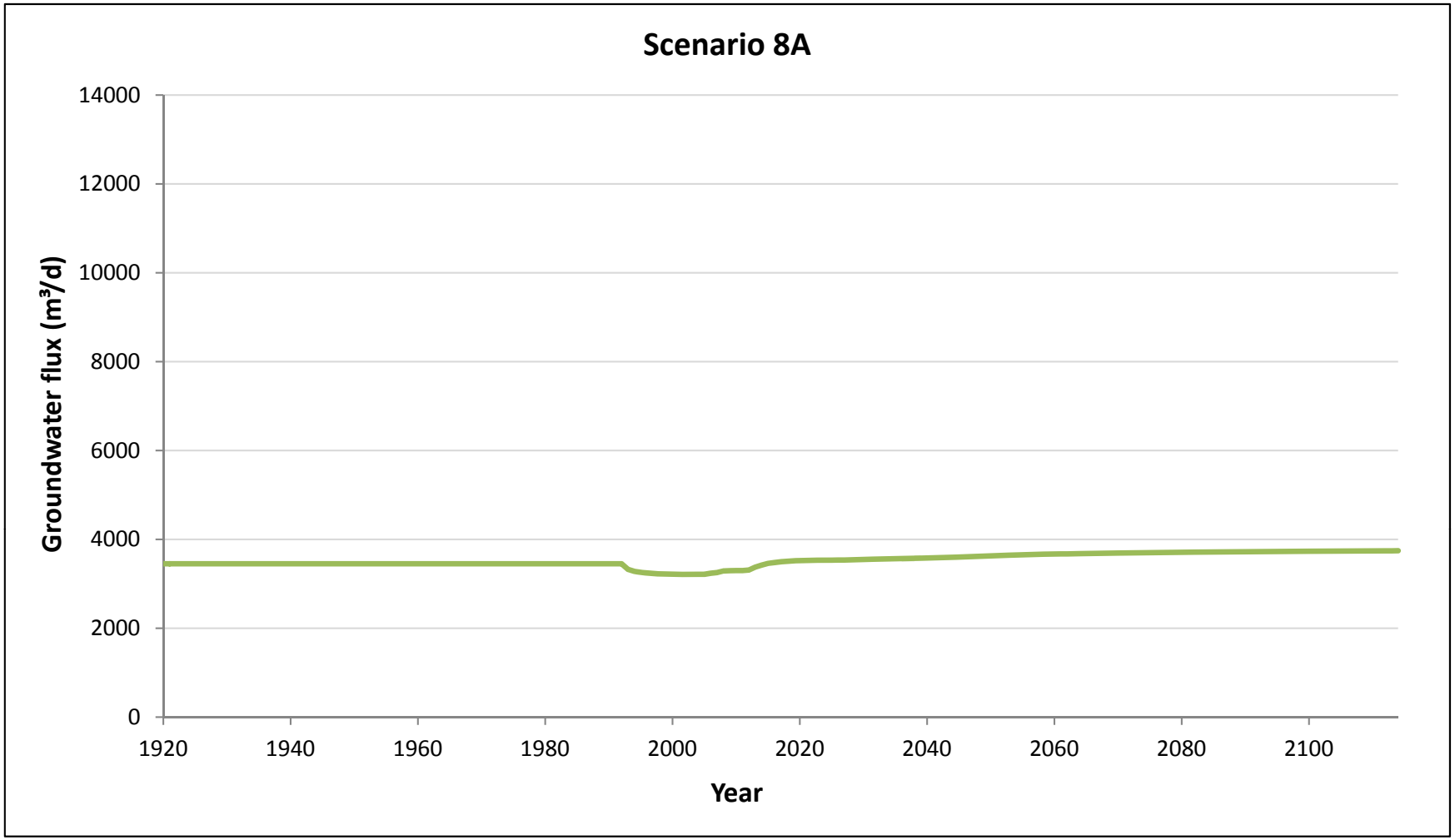
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	158	200	417	156	751	1852	3534
45292	45658	2024	2025	158	200	417	156	751	1852	3535
45658	46023	2025	2026	158	200	417	156	751	1852	3536
46023	46388	2026	2027	158	201	417	157	751	1852	3536
46388	46753	2027	2028	158	201	417	157	753	1853	3538
46753	47119	2028	2029	158	201	418	157	756	1854	3543
47119	47484	2029	2030	158	201	418	157	759	1856	3548
47484	47849	2030	2031	158	201	418	157	761	1858	3553
47849	48214	2031	2032	158	201	418	158	764	1859	3557
48214	48580	2032	2033	159	201	418	158	766	1860	3561
48580	48945	2033	2034	159	201	418	158	768	1861	3565
48945	49310	2034	2035	159	201	418	158	769	1862	3568
49310	49675	2035	2036	159	201	418	158	771	1863	3571
49675	50041	2036	2037	160	201	418	159	772	1864	3573
50041	50406	2037	2038	160	201	418	159	773	1865	3576
50406	50771	2038	2039	160	201	418	159	775	1866	3579
50771	51136	2039	2040	161	201	418	159	776	1867	3582
51136	51502	2040	2041	162	202	419	159	777	1867	3586
51502	51867	2041	2042	162	202	419	159	779	1868	3590
51867	52232	2042	2043	163	203	419	159	780	1869	3593
52232	52597	2043	2044	164	203	419	160	781	1870	3597
52597	52963	2044	2045	166	204	420	160	782	1871	3602
52963	53328	2045	2046	168	205	421	160	783	1871	3608
53328	53693	2046	2047	171	207	422	160	784	1872	3615
53693	54058	2047	2048	173	208	423	160	785	1873	3621
54058	54424	2048	2049	175	209	423	161	786	1873	3627
54424	54789	2049	2050	177	210	424	161	786	1874	3633
54789	55154	2050	2051	178	212	425	161	787	1874	3638
55154	55519	2051	2052	180	213	426	161	788	1875	3642
55519	55885	2052	2053	181	214	427	162	788	1875	3647
55885	56250	2053	2054	182	214	428	162	789	1876	3651
56250	56615	2054	2055	183	215	428	162	789	1876	3654
56615	56980	2055	2056	184	216	429	162	790	1877	3658
56980	57346	2056	2057	185	217	430	162	790	1877	3661
57346	57711	2057	2058	186	217	430	162	791	1878	3664
57711	58076	2058	2059	187	218	431	163	791	1878	3667
58076	58441	2059	2060	188	219	431	163	791	1878	3670
58441	58807	2060	2061	189	219	432	163	792	1879	3673
58807	59172	2061	2062	190	220	432	163	792	1879	3676
59172	59537	2062	2063	190	220	433	163	792	1879	3678
59537	59902	2063	2064	191	221	434	163	793	1880	3681
59902	60268	2064	2065	192	221	434	163	793	1880	3683
60268	60633	2065	2066	192	222	435	164	793	1880	3686
60633	60998	2066	2067	193	222	435	164	793	1880	3688
60998	61363	2067	2068	193	223	435	164	794	1881	3690
61363	61729	2068	2069	194	223	436	164	794	1881	3692

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	195	224	436	164	794	1881	3694
62094	62459	2070	2071	195	224	437	164	794	1881	3696
62459	62824	2071	2072	196	225	437	164	794	1882	3698
62824	63190	2072	2073	196	225	438	164	795	1882	3700
63190	63555	2073	2074	197	225	438	164	795	1882	3701
63555	63920	2074	2075	197	226	438	165	795	1882	3703
63920	64285	2075	2076	198	226	439	165	795	1882	3705
64285	64651	2076	2077	198	226	439	165	795	1883	3706
64651	65016	2077	2078	198	227	439	165	795	1883	3708
65016	65381	2078	2079	199	227	440	165	796	1883	3709
65381	65746	2079	2080	199	227	440	165	796	1883	3711
65746	66112	2080	2081	200	228	440	165	796	1883	3712
66112	66477	2081	2082	200	228	441	165	796	1884	3714
66477	66842	2082	2083	200	228	441	165	796	1884	3715
66842	67207	2083	2084	201	229	441	165	796	1884	3716
67207	67573	2084	2085	201	229	442	165	796	1884	3718
67573	67938	2085	2086	201	229	442	166	797	1884	3719
67938	68303	2086	2087	202	230	442	166	797	1884	3720
68303	68668	2087	2088	202	230	443	166	797	1884	3721
68668	69034	2088	2089	202	230	443	166	797	1885	3723
69034	69399	2089	2090	203	230	443	166	797	1885	3724
69399	69764	2090	2091	203	231	443	166	797	1885	3725
69764	70129	2091	2092	203	231	444	166	797	1885	3726
70129	70495	2092	2093	204	231	444	166	797	1885	3727
70495	70860	2093	2094	204	231	444	166	797	1885	3728
70860	71225	2094	2095	204	232	445	166	797	1885	3729
71225	71590	2095	2096	204	232	445	166	798	1885	3730
71590	71956	2096	2097	205	232	445	166	798	1886	3731
71956	72321	2097	2098	205	232	445	166	798	1886	3732
72321	72686	2098	2099	205	232	445	166	798	1886	3733
72686	73051	2099	2100	205	233	446	166	798	1886	3734
73051	73416	2100	2101	206	233	446	167	798	1886	3735
73416	73781	2101	2102	206	233	446	167	798	1886	3736
73781	74146	2102	2103	206	233	446	167	798	1886	3737
74146	74511	2103	2104	206	233	447	167	798	1886	3738
74511	74877	2104	2105	207	234	447	167	798	1886	3738
74877	75242	2105	2106	207	234	447	167	798	1887	3739
75242	75607	2106	2107	207	234	447	167	798	1887	3740
75607	75972	2107	2108	207	234	447	167	798	1887	3741
75972	76338	2108	2109	208	234	448	167	798	1887	3742
76338	76703	2109	2110	208	235	448	167	799	1887	3742
76703	77068	2110	2111	208	235	448	167	799	1887	3743
77068	77433	2111	2112	208	235	448	167	799	1887	3744
77433	77799	2112	2113	208	235	448	167	799	1887	3745
77799	78164	2113	2114	209	235	449	167	799	1887	3745

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8A)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S8A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	3.4	1.8	3.6	1.4	9.3	3.6	23.2
33970	34335	1993	1994	3.0	1.7	3.6	1.4	9.2	3.6	22.5
34335	34700	1994	1995	2.8	1.6	3.6	1.4	9.2	3.6	22.2
34700	35065	1995	1996	2.7	1.6	3.6	1.4	9.1	3.6	22.0
35065	35431	1996	1997	2.6	1.6	3.5	1.3	9.1	3.6	21.8
35431	35796	1997	1998	2.6	1.6	3.5	1.3	9.1	3.6	21.7
35796	36161	1998	1999	2.5	1.6	3.5	1.3	9.1	3.6	21.7
36161	36526	1999	2000	2.5	1.6	3.5	1.3	9.1	3.6	21.6
36526	36892	2000	2001	2.5	1.6	3.5	1.3	9.1	3.6	21.6
36892	37257	2001	2002	2.5	1.6	3.5	1.3	9.1	3.6	21.6
37257	37622	2002	2003	2.5	1.6	3.5	1.3	9.1	3.6	21.5
37622	37987	2003	2004	2.4	1.5	3.5	1.3	9.2	3.6	21.6
37987	38353	2004	2005	2.4	1.5	3.5	1.4	9.2	3.6	21.6
38353	38718	2005	2006	2.4	1.5	3.5	1.4	9.3	3.6	21.8
38718	39083	2006	2007	2.4	1.6	3.6	1.4	9.3	3.6	21.9
39083	39448	2007	2008	2.4	1.6	3.8	1.5	9.3	3.7	22.2
39448	39814	2008	2009	2.4	1.6	3.8	1.5	9.4	3.7	22.3
39814	40179	2009	2010	2.4	1.6	3.8	1.5	9.4	3.7	22.3
40179	40544	2010	2011	2.4	1.6	3.8	1.5	9.4	3.7	22.3
40544	40909	2011	2012	2.4	1.6	3.9	1.5	9.4	3.7	22.4
40909	41275	2012	2013	2.6	1.7	3.9	1.7	9.6	3.7	23.3
41275	41640	2013	2014	2.8	1.8	4.0	1.9	9.8	3.7	23.9
41640	42005	2014	2015	2.9	1.9	4.0	2.0	9.9	3.7	24.3
42005	42370	2015	2016	2.9	1.9	4.0	2.0	10.0	3.7	24.5
42370	42736	2016	2017	2.9	1.9	4.1	2.0	10.0	3.7	24.7
42736	43101	2017	2018	3.0	2.0	4.1	2.1	10.0	3.7	24.9
43101	43466	2018	2019	3.0	2.0	4.1	2.1	10.0	3.7	25.0
43466	43831	2019	2020	3.0	2.0	4.2	2.1	10.1	3.7	25.0
43831	44197	2020	2021	3.0	2.0	4.2	2.1	10.1	3.7	25.1
44197	44562	2021	2022	3.0	2.0	4.2	2.1	10.1	3.7	25.1
44562	44927	2022	2023	3.0	2.0	4.2	2.1	10.1	3.7	25.1
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

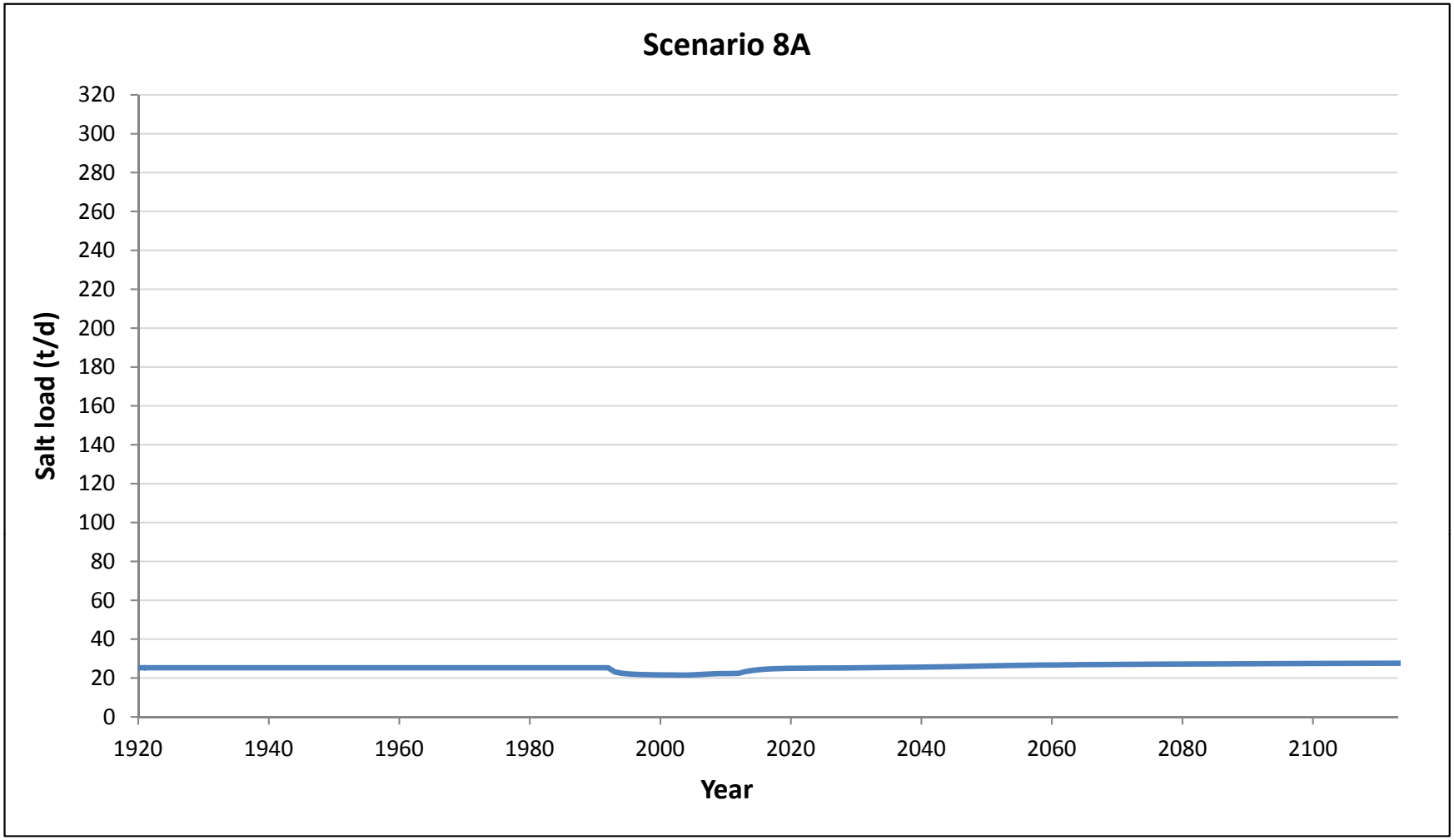
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8A)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	3.0	2.0	4.2	2.1	10.1	3.7	25.1
45292	45658	2024	2025	3.1	2.0	4.2	2.1	10.1	3.7	25.1
45658	46023	2025	2026	3.1	2.0	4.2	2.1	10.1	3.7	25.1
46023	46388	2026	2027	3.1	2.0	4.2	2.1	10.1	3.7	25.1
46388	46753	2027	2028	3.1	2.0	4.2	2.1	10.1	3.7	25.2
46753	47119	2028	2029	3.1	2.0	4.2	2.1	10.1	3.7	25.2
47119	47484	2029	2030	3.1	2.0	4.2	2.1	10.2	3.7	25.3
47484	47849	2030	2031	3.1	2.0	4.2	2.1	10.2	3.7	25.3
47849	48214	2031	2032	3.1	2.0	4.2	2.1	10.3	3.7	25.4
48214	48580	2032	2033	3.1	2.0	4.2	2.1	10.3	3.7	25.4
48580	48945	2033	2034	3.1	2.0	4.2	2.1	10.3	3.7	25.4
48945	49310	2034	2035	3.1	2.0	4.2	2.1	10.3	3.7	25.5
49310	49675	2035	2036	3.1	2.0	4.2	2.1	10.3	3.7	25.5
49675	50041	2036	2037	3.1	2.0	4.2	2.1	10.4	3.7	25.5
50041	50406	2037	2038	3.1	2.0	4.2	2.1	10.4	3.7	25.5
50406	50771	2038	2039	3.1	2.0	4.2	2.1	10.4	3.7	25.6
50771	51136	2039	2040	3.1	2.0	4.2	2.1	10.4	3.7	25.6
51136	51502	2040	2041	3.1	2.0	4.2	2.1	10.4	3.7	25.7
51502	51867	2041	2042	3.1	2.0	4.2	2.1	10.4	3.7	25.7
51867	52232	2042	2043	3.2	2.0	4.2	2.1	10.5	3.7	25.7
52232	52597	2043	2044	3.2	2.0	4.2	2.1	10.5	3.7	25.8
52597	52963	2044	2045	3.2	2.0	4.2	2.1	10.5	3.7	25.8
52963	53328	2045	2046	3.3	2.1	4.2	2.1	10.5	3.7	25.9
53328	53693	2046	2047	3.3	2.1	4.2	2.1	10.5	3.7	26.0
53693	54058	2047	2048	3.3	2.1	4.2	2.2	10.5	3.7	26.1
54058	54424	2048	2049	3.4	2.1	4.3	2.2	10.5	3.7	26.2
54424	54789	2049	2050	3.4	2.1	4.3	2.2	10.6	3.7	26.2
54789	55154	2050	2051	3.4	2.1	4.3	2.2	10.6	3.7	26.3
55154	55519	2051	2052	3.5	2.1	4.3	2.2	10.6	3.7	26.4
55519	55885	2052	2053	3.5	2.1	4.3	2.2	10.6	3.8	26.4
55885	56250	2053	2054	3.5	2.2	4.3	2.2	10.6	3.8	26.5
56250	56615	2054	2055	3.5	2.2	4.3	2.2	10.6	3.8	26.5
56615	56980	2055	2056	3.6	2.2	4.3	2.2	10.6	3.8	26.6
56980	57346	2056	2057	3.6	2.2	4.3	2.2	10.6	3.8	26.6
57346	57711	2057	2058	3.6	2.2	4.3	2.2	10.6	3.8	26.6
57711	58076	2058	2059	3.6	2.2	4.3	2.2	10.6	3.8	26.7
58076	58441	2059	2060	3.6	2.2	4.3	2.2	10.6	3.8	26.7
58441	58807	2060	2061	3.6	2.2	4.3	2.2	10.6	3.8	26.8
58807	59172	2061	2062	3.7	2.2	4.3	2.2	10.6	3.8	26.8
59172	59537	2062	2063	3.7	2.2	4.3	2.2	10.6	3.8	26.8
59537	59902	2063	2064	3.7	2.2	4.4	2.2	10.6	3.8	26.8
59902	60268	2064	2065	3.7	2.2	4.4	2.2	10.6	3.8	26.9
60268	60633	2065	2066	3.7	2.2	4.4	2.2	10.6	3.8	26.9
60633	60998	2066	2067	3.7	2.2	4.4	2.2	10.6	3.8	26.9
60998	61363	2067	2068	3.7	2.2	4.4	2.2	10.6	3.8	27.0
61363	61729	2068	2069	3.7	2.2	4.4	2.2	10.7	3.8	27.0
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8A)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	3.8	2.2	4.4	2.2	10.7	3.8	27.0
62094	62459	2070	2071	3.8	2.3	4.4	2.2	10.7	3.8	27.0
62459	62824	2071	2072	3.8	2.3	4.4	2.2	10.7	3.8	27.1
62824	63190	2072	2073	3.8	2.3	4.4	2.2	10.7	3.8	27.1
63190	63555	2073	2074	3.8	2.3	4.4	2.2	10.7	3.8	27.1
63555	63920	2074	2075	3.8	2.3	4.4	2.2	10.7	3.8	27.1
63920	64285	2075	2076	3.8	2.3	4.4	2.2	10.7	3.8	27.1
64285	64651	2076	2077	3.8	2.3	4.4	2.2	10.7	3.8	27.2
64651	65016	2077	2078	3.8	2.3	4.4	2.2	10.7	3.8	27.2
65016	65381	2078	2079	3.8	2.3	4.4	2.2	10.7	3.8	27.2
65381	65746	2079	2080	3.8	2.3	4.4	2.2	10.7	3.8	27.2
65746	66112	2080	2081	3.9	2.3	4.4	2.2	10.7	3.8	27.2
66112	66477	2081	2082	3.9	2.3	4.4	2.2	10.7	3.8	27.2
66477	66842	2082	2083	3.9	2.3	4.4	2.2	10.7	3.8	27.3
66842	67207	2083	2084	3.9	2.3	4.4	2.2	10.7	3.8	27.3
67207	67573	2084	2085	3.9	2.3	4.4	2.2	10.7	3.8	27.3
67573	67938	2085	2086	3.9	2.3	4.4	2.2	10.7	3.8	27.3
67938	68303	2086	2087	3.9	2.3	4.4	2.2	10.7	3.8	27.3
68303	68668	2087	2088	3.9	2.3	4.4	2.2	10.7	3.8	27.3
68668	69034	2088	2089	3.9	2.3	4.4	2.2	10.7	3.8	27.4
69034	69399	2089	2090	3.9	2.3	4.5	2.2	10.7	3.8	27.4
69399	69764	2090	2091	3.9	2.3	4.5	2.2	10.7	3.8	27.4
69764	70129	2091	2092	3.9	2.3	4.5	2.2	10.7	3.8	27.4
70129	70495	2092	2093	3.9	2.3	4.5	2.2	10.7	3.8	27.4
70495	70860	2093	2094	3.9	2.3	4.5	2.2	10.7	3.8	27.4
70860	71225	2094	2095	3.9	2.3	4.5	2.2	10.7	3.8	27.4
71225	71590	2095	2096	3.9	2.3	4.5	2.2	10.7	3.8	27.4
71590	71956	2096	2097	4.0	2.3	4.5	2.2	10.7	3.8	27.5
71956	72321	2097	2098	4.0	2.3	4.5	2.2	10.7	3.8	27.5
72321	72686	2098	2099	4.0	2.3	4.5	2.2	10.7	3.8	27.5
72686	73051	2099	2100	4.0	2.3	4.5	2.2	10.7	3.8	27.5
73051	73416	2100	2101	4.0	2.3	4.5	2.2	10.7	3.8	27.5
73416	73781	2101	2102	4.0	2.3	4.5	2.2	10.7	3.8	27.5
73781	74146	2102	2103	4.0	2.3	4.5	2.2	10.7	3.8	27.5
74146	74511	2103	2104	4.0	2.3	4.5	2.2	10.7	3.8	27.5
74511	74877	2104	2105	4.0	2.3	4.5	2.2	10.7	3.8	27.5
74877	75242	2105	2106	4.0	2.3	4.5	2.2	10.7	3.8	27.6
75242	75607	2106	2107	4.0	2.4	4.5	2.2	10.7	3.8	27.6
75607	75972	2107	2108	4.0	2.4	4.5	2.2	10.7	3.8	27.6
75972	76338	2108	2109	4.0	2.4	4.5	2.2	10.7	3.8	27.6
76338	76703	2109	2110	4.0	2.4	4.5	2.2	10.7	3.8	27.6
76703	77068	2110	2111	4.0	2.4	4.5	2.2	10.7	3.8	27.6
77068	77433	2111	2112	4.0	2.4	4.5	2.2	10.7	3.8	27.6
77433	77799	2112	2113	4.0	2.4	4.5	2.2	10.7	3.8	27.6
77799	78164	2113	2114	4.0	2.4	4.5	2.2	10.7	3.8	27.6
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8A)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S8A)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	179	175	360	107	695	1812	3326
33970	34335	1993	1994	155	168	357	104	688	1810	3281
34335	34700	1994	1995	144	164	355	102	684	1808	3257
34700	35065	1995	1996	140	163	354	103	682	1807	3250
35065	35431	1996	1997	138	163	353	104	681	1807	3246
35431	35796	1997	1998	137	162	353	104	680	1806	3242
35796	36161	1998	1999	135	161	352	104	679	1805	3238
36161	36526	1999	2000	134	160	352	104	679	1805	3234
36526	36892	2000	2001	133	160	351	105	679	1805	3233
36892	37257	2001	2002	132	159	351	105	680	1805	3231
37257	37622	2002	2003	131	159	350	105	680	1804	3229
37622	37987	2003	2004	131	158	350	105	680	1804	3228
37987	38353	2004	2005	130	158	349	105	679	1804	3226
38353	38718	2005	2006	130	158	349	105	679	1804	3224
38718	39083	2006	2007	129	157	349	105	679	1804	3222
39083	39448	2007	2008	129	157	348	105	679	1803	3221
39448	39814	2008	2009	128	157	348	105	679	1803	3219
39814	40179	2009	2010	128	156	348	104	679	1803	3218
40179	40544	2010	2011	127	156	348	104	678	1803	3217
40544	40909	2011	2012	127	156	347	104	678	1803	3216
40909	41275	2012	2013	127	156	347	104	678	1803	3215
41275	41640	2013	2014	126	155	347	104	678	1803	3214
41640	42005	2014	2015	126	155	347	104	678	1803	3213
42005	42370	2015	2016	126	155	347	104	678	1802	3212
42370	42736	2016	2017	126	155	346	104	678	1802	3211
42736	43101	2017	2018	125	155	346	104	678	1802	3210
43101	43466	2018	2019	125	154	346	104	678	1802	3209
43466	43831	2019	2020	125	154	346	104	678	1802	3209
43831	44197	2020	2021	125	154	346	104	677	1802	3208
44197	44562	2021	2022	125	154	346	104	677	1802	3207
44562	44927	2022	2023	124	154	346	104	677	1802	3207

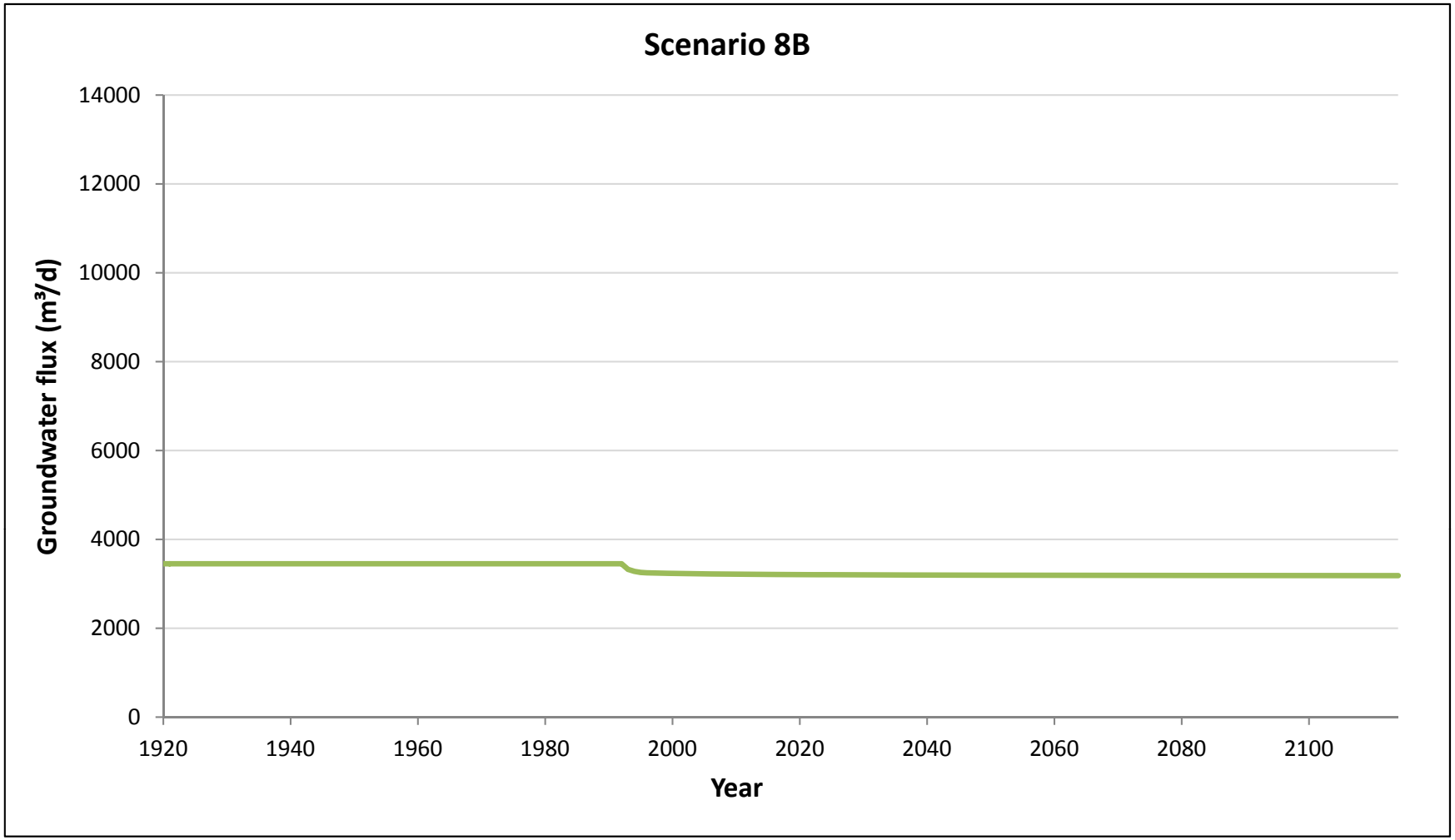
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8B)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	124	154	345	104	677	1802	3206
45292	45658	2024	2025	124	154	345	104	677	1802	3206
45658	46023	2025	2026	124	153	345	104	677	1802	3205
46023	46388	2026	2027	124	153	345	104	677	1802	3204
46388	46753	2027	2028	124	153	345	104	677	1802	3204
46753	47119	2028	2029	124	153	345	104	677	1801	3203
47119	47484	2029	2030	123	153	345	104	677	1801	3203
47484	47849	2030	2031	123	153	345	104	677	1801	3202
47849	48214	2031	2032	123	153	344	104	677	1801	3202
48214	48580	2032	2033	123	153	344	104	677	1801	3202
48580	48945	2033	2034	123	153	344	103	677	1801	3201
48945	49310	2034	2035	123	152	344	103	677	1801	3201
49310	49675	2035	2036	123	152	344	103	677	1801	3200
49675	50041	2036	2037	123	152	344	103	677	1801	3200
50041	50406	2037	2038	123	152	344	103	677	1801	3199
50406	50771	2038	2039	122	152	344	103	677	1801	3199
50771	51136	2039	2040	122	152	344	103	677	1801	3199
51136	51502	2040	2041	122	152	344	103	676	1801	3198
51502	51867	2041	2042	122	152	344	103	676	1801	3198
51867	52232	2042	2043	122	152	344	103	676	1801	3198
52232	52597	2043	2044	122	152	343	103	676	1801	3197
52597	52963	2044	2045	122	152	343	103	676	1801	3197
52963	53328	2045	2046	122	152	343	103	676	1801	3197
53328	53693	2046	2047	122	152	343	103	676	1801	3197
53693	54058	2047	2048	122	151	343	103	676	1801	3196
54058	54424	2048	2049	122	151	343	103	676	1801	3196
54424	54789	2049	2050	122	151	343	103	676	1801	3196
54789	55154	2050	2051	121	151	343	103	676	1800	3195
55154	55519	2051	2052	121	151	343	103	676	1800	3195
55519	55885	2052	2053	121	151	343	103	676	1800	3195
55885	56250	2053	2054	121	151	343	103	676	1800	3195
56250	56615	2054	2055	121	151	343	103	676	1800	3194
56615	56980	2055	2056	121	151	343	103	676	1800	3194
56980	57346	2056	2057	121	151	343	103	676	1800	3194
57346	57711	2057	2058	121	151	343	103	676	1800	3194
57711	58076	2058	2059	121	151	343	103	676	1800	3194
58076	58441	2059	2060	121	151	343	103	676	1800	3193
58441	58807	2060	2061	121	151	342	103	676	1800	3193
58807	59172	2061	2062	121	151	342	103	676	1800	3193
59172	59537	2062	2063	121	151	342	103	676	1800	3193
59537	59902	2063	2064	121	151	342	103	676	1800	3193
59902	60268	2064	2065	121	151	342	103	676	1800	3192
60268	60633	2065	2066	121	151	342	103	676	1800	3192
60633	60998	2066	2067	121	150	342	103	676	1800	3192
60998	61363	2067	2068	120	150	342	103	676	1800	3192
61363	61729	2068	2069	120	150	342	103	676	1800	3192

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8B)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	120	150	342	103	676	1800	3191
62094	62459	2070	2071	120	150	342	103	676	1800	3191
62459	62824	2071	2072	120	150	342	103	676	1800	3191
62824	63190	2072	2073	120	150	342	103	676	1800	3191
63190	63555	2073	2074	120	150	342	103	676	1800	3191
63555	63920	2074	2075	120	150	342	103	676	1800	3190
63920	64285	2075	2076	120	150	342	103	676	1800	3190
64285	64651	2076	2077	120	150	342	103	676	1800	3190
64651	65016	2077	2078	120	150	342	103	676	1800	3190
65016	65381	2078	2079	120	150	342	103	676	1800	3190
65381	65746	2079	2080	120	150	342	103	676	1800	3190
65746	66112	2080	2081	120	150	342	103	676	1800	3190
66112	66477	2081	2082	120	150	342	103	676	1800	3189
66477	66842	2082	2083	120	150	342	103	676	1800	3189
66842	67207	2083	2084	120	150	342	103	676	1800	3189
67207	67573	2084	2085	120	150	341	103	676	1800	3189
67573	67938	2085	2086	120	150	341	103	676	1800	3189
67938	68303	2086	2087	120	150	341	103	676	1800	3189
68303	68668	2087	2088	120	150	341	103	676	1800	3189
68668	69034	2088	2089	120	150	341	103	675	1800	3188
69034	69399	2089	2090	120	150	341	103	675	1800	3188
69399	69764	2090	2091	120	150	341	103	675	1800	3188
69764	70129	2091	2092	120	150	341	103	675	1800	3188
70129	70495	2092	2093	120	150	341	103	675	1800	3188
70495	70860	2093	2094	119	150	341	103	675	1800	3188
70860	71225	2094	2095	119	150	341	103	675	1800	3188
71225	71590	2095	2096	119	150	341	103	675	1800	3188
71590	71956	2096	2097	119	149	341	103	675	1799	3187
71956	72321	2097	2098	119	149	341	103	675	1799	3187
72321	72686	2098	2099	119	149	341	103	675	1799	3187
72686	73051	2099	2100	119	149	341	103	675	1799	3187
73051	73416	2100	2101	119	149	341	103	675	1799	3187
73416	73781	2101	2102	119	149	341	103	675	1799	3187
73781	74146	2102	2103	119	149	341	103	675	1799	3187
74146	74511	2103	2104	119	149	341	103	675	1799	3187
74511	74877	2104	2105	119	149	341	103	675	1799	3187
74877	75242	2105	2106	119	149	341	103	675	1799	3186
75242	75607	2106	2107	119	149	341	103	675	1799	3186
75607	75972	2107	2108	119	149	341	103	675	1799	3186
75972	76338	2108	2109	119	149	341	103	675	1799	3186
76338	76703	2109	2110	119	149	341	103	675	1799	3186
76703	77068	2110	2111	119	149	341	103	675	1799	3186
77068	77433	2111	2112	119	149	341	103	675	1799	3186
77433	77799	2112	2113	119	149	341	103	675	1799	3186
77799	78164	2113	2114	119	149	341	103	675	1799	3186

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8B)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S8B)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	3.4	1.8	3.6	1.4	9.3	3.6	23.2
33970	34335	1993	1994	3.0	1.7	3.6	1.4	9.2	3.6	22.5
34335	34700	1994	1995	2.8	1.6	3.6	1.4	9.2	3.6	22.2
34700	35065	1995	1996	2.7	1.6	3.6	1.4	9.1	3.6	22.1
35065	35431	1996	1997	2.7	1.6	3.5	1.4	9.1	3.6	22.0
35431	35796	1997	1998	2.6	1.6	3.5	1.4	9.1	3.6	21.9
35796	36161	1998	1999	2.6	1.6	3.5	1.4	9.1	3.6	21.9
36161	36526	1999	2000	2.6	1.6	3.5	1.4	9.1	3.6	21.9
36526	36892	2000	2001	2.6	1.6	3.5	1.4	9.1	3.6	21.8
36892	37257	2001	2002	2.6	1.6	3.5	1.4	9.1	3.6	21.8
37257	37622	2002	2003	2.5	1.6	3.5	1.4	9.1	3.6	21.8
37622	37987	2003	2004	2.5	1.6	3.5	1.4	9.1	3.6	21.8
37987	38353	2004	2005	2.5	1.6	3.5	1.4	9.1	3.6	21.7
38353	38718	2005	2006	2.5	1.6	3.5	1.4	9.1	3.6	21.7
38718	39083	2006	2007	2.5	1.6	3.5	1.4	9.1	3.6	21.7
39083	39448	2007	2008	2.5	1.6	3.5	1.4	9.1	3.6	21.7
39448	39814	2008	2009	2.5	1.6	3.5	1.4	9.1	3.6	21.7
39814	40179	2009	2010	2.5	1.6	3.5	1.4	9.1	3.6	21.6
40179	40544	2010	2011	2.5	1.6	3.5	1.4	9.1	3.6	21.6
40544	40909	2011	2012	2.5	1.6	3.5	1.4	9.1	3.6	21.6
40909	41275	2012	2013	2.4	1.6	3.5	1.4	9.1	3.6	21.6
41275	41640	2013	2014	2.4	1.6	3.5	1.4	9.1	3.6	21.6
41640	42005	2014	2015	2.4	1.6	3.5	1.4	9.1	3.6	21.6
42005	42370	2015	2016	2.4	1.6	3.5	1.4	9.1	3.6	21.6
42370	42736	2016	2017	2.4	1.6	3.5	1.4	9.1	3.6	21.6
42736	43101	2017	2018	2.4	1.6	3.5	1.4	9.1	3.6	21.5
43101	43466	2018	2019	2.4	1.6	3.5	1.4	9.1	3.6	21.5
43466	43831	2019	2020	2.4	1.5	3.5	1.4	9.1	3.6	21.5
43831	44197	2020	2021	2.4	1.5	3.5	1.4	9.1	3.6	21.5
44197	44562	2021	2022	2.4	1.5	3.5	1.4	9.1	3.6	21.5
44562	44927	2022	2023	2.4	1.5	3.5	1.4	9.1	3.6	21.5
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

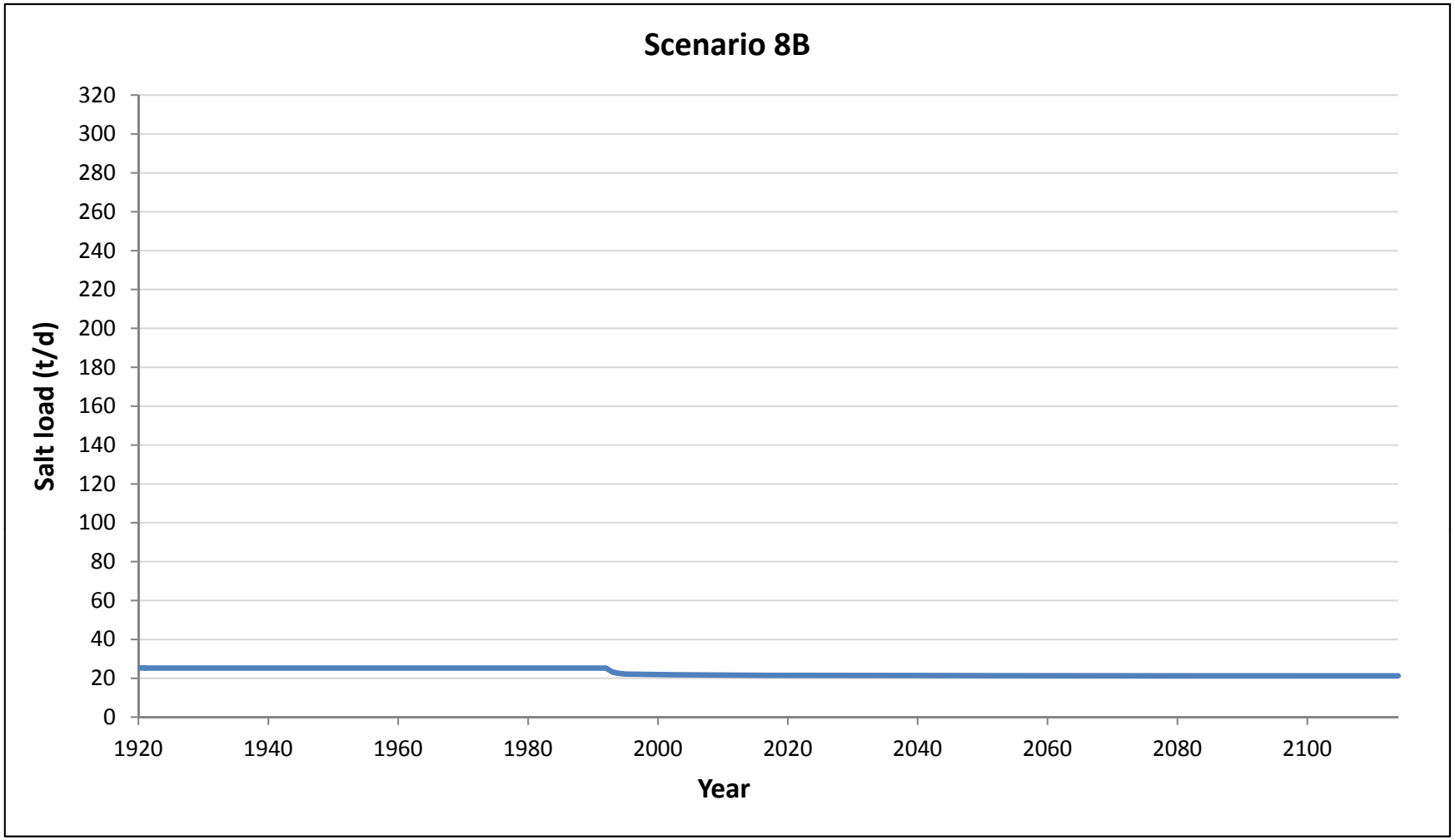
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8B)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	2.4	1.5	3.5	1.4	9.1	3.6	21.5
45292	45658	2024	2025	2.4	1.5	3.5	1.4	9.1	3.6	21.5
45658	46023	2025	2026	2.4	1.5	3.5	1.4	9.1	3.6	21.5
46023	46388	2026	2027	2.4	1.5	3.5	1.4	9.1	3.6	21.5
46388	46753	2027	2028	2.4	1.5	3.5	1.4	9.1	3.6	21.5
46753	47119	2028	2029	2.4	1.5	3.5	1.4	9.1	3.6	21.5
47119	47484	2029	2030	2.4	1.5	3.5	1.4	9.1	3.6	21.5
47484	47849	2030	2031	2.4	1.5	3.5	1.4	9.1	3.6	21.5
47849	48214	2031	2032	2.4	1.5	3.5	1.4	9.1	3.6	21.4
48214	48580	2032	2033	2.4	1.5	3.5	1.4	9.1	3.6	21.4
48580	48945	2033	2034	2.4	1.5	3.5	1.4	9.1	3.6	21.4
48945	49310	2034	2035	2.4	1.5	3.5	1.4	9.1	3.6	21.4
49310	49675	2035	2036	2.4	1.5	3.5	1.4	9.1	3.6	21.4
49675	50041	2036	2037	2.4	1.5	3.5	1.4	9.1	3.6	21.4
50041	50406	2037	2038	2.4	1.5	3.5	1.4	9.1	3.6	21.4
50406	50771	2038	2039	2.4	1.5	3.5	1.4	9.1	3.6	21.4
50771	51136	2039	2040	2.4	1.5	3.5	1.4	9.1	3.6	21.4
51136	51502	2040	2041	2.4	1.5	3.5	1.4	9.1	3.6	21.4
51502	51867	2041	2042	2.4	1.5	3.5	1.4	9.1	3.6	21.4
51867	52232	2042	2043	2.4	1.5	3.4	1.4	9.1	3.6	21.4
52232	52597	2043	2044	2.4	1.5	3.4	1.4	9.1	3.6	21.4
52597	52963	2044	2045	2.4	1.5	3.4	1.4	9.1	3.6	21.4
52963	53328	2045	2046	2.4	1.5	3.4	1.4	9.1	3.6	21.4
53328	53693	2046	2047	2.4	1.5	3.4	1.4	9.1	3.6	21.4
53693	54058	2047	2048	2.4	1.5	3.4	1.4	9.1	3.6	21.4
54058	54424	2048	2049	2.3	1.5	3.4	1.4	9.1	3.6	21.4
54424	54789	2049	2050	2.3	1.5	3.4	1.4	9.1	3.6	21.4
54789	55154	2050	2051	2.3	1.5	3.4	1.4	9.1	3.6	21.4
55154	55519	2051	2052	2.3	1.5	3.4	1.4	9.1	3.6	21.4
55519	55885	2052	2053	2.3	1.5	3.4	1.4	9.1	3.6	21.4
55885	56250	2053	2054	2.3	1.5	3.4	1.4	9.1	3.6	21.4
56250	56615	2054	2055	2.3	1.5	3.4	1.4	9.1	3.6	21.4
56615	56980	2055	2056	2.3	1.5	3.4	1.4	9.1	3.6	21.4
56980	57346	2056	2057	2.3	1.5	3.4	1.4	9.1	3.6	21.4
57346	57711	2057	2058	2.3	1.5	3.4	1.4	9.1	3.6	21.3
57711	58076	2058	2059	2.3	1.5	3.4	1.4	9.1	3.6	21.3
58076	58441	2059	2060	2.3	1.5	3.4	1.4	9.1	3.6	21.3
58441	58807	2060	2061	2.3	1.5	3.4	1.4	9.1	3.6	21.3
58807	59172	2061	2062	2.3	1.5	3.4	1.4	9.1	3.6	21.3
59172	59537	2062	2063	2.3	1.5	3.4	1.4	9.1	3.6	21.3
59537	59902	2063	2064	2.3	1.5	3.4	1.4	9.1	3.6	21.3
59902	60268	2064	2065	2.3	1.5	3.4	1.4	9.1	3.6	21.3
60268	60633	2065	2066	2.3	1.5	3.4	1.4	9.1	3.6	21.3
60633	60998	2066	2067	2.3	1.5	3.4	1.4	9.1	3.6	21.3
60998	61363	2067	2068	2.3	1.5	3.4	1.4	9.1	3.6	21.3
61363	61729	2068	2069	2.3	1.5	3.4	1.4	9.1	3.6	21.3
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8B)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	2.3	1.5	3.4	1.4	9.1	3.6	21.3
62094	62459	2070	2071	2.3	1.5	3.4	1.4	9.1	3.6	21.3
62459	62824	2071	2072	2.3	1.5	3.4	1.4	9.1	3.6	21.3
62824	63190	2072	2073	2.3	1.5	3.4	1.4	9.1	3.6	21.3
63190	63555	2073	2074	2.3	1.5	3.4	1.4	9.1	3.6	21.3
63555	63920	2074	2075	2.3	1.5	3.4	1.4	9.1	3.6	21.3
63920	64285	2075	2076	2.3	1.5	3.4	1.4	9.1	3.6	21.3
64285	64651	2076	2077	2.3	1.5	3.4	1.4	9.1	3.6	21.3
64651	65016	2077	2078	2.3	1.5	3.4	1.4	9.1	3.6	21.3
65016	65381	2078	2079	2.3	1.5	3.4	1.4	9.1	3.6	21.3
65381	65746	2079	2080	2.3	1.5	3.4	1.4	9.1	3.6	21.3
65746	66112	2080	2081	2.3	1.5	3.4	1.4	9.1	3.6	21.3
66112	66477	2081	2082	2.3	1.5	3.4	1.4	9.1	3.6	21.3
66477	66842	2082	2083	2.3	1.5	3.4	1.4	9.1	3.6	21.3
66842	67207	2083	2084	2.3	1.5	3.4	1.4	9.1	3.6	21.3
67207	67573	2084	2085	2.3	1.5	3.4	1.4	9.1	3.6	21.3
67573	67938	2085	2086	2.3	1.5	3.4	1.4	9.1	3.6	21.3
67938	68303	2086	2087	2.3	1.5	3.4	1.4	9.1	3.6	21.3
68303	68668	2087	2088	2.3	1.5	3.4	1.4	9.1	3.6	21.3
68668	69034	2088	2089	2.3	1.5	3.4	1.4	9.1	3.6	21.3
69034	69399	2089	2090	2.3	1.5	3.4	1.4	9.1	3.6	21.3
69399	69764	2090	2091	2.3	1.5	3.4	1.4	9.1	3.6	21.3
69764	70129	2091	2092	2.3	1.5	3.4	1.4	9.1	3.6	21.3
70129	70495	2092	2093	2.3	1.5	3.4	1.4	9.1	3.6	21.3
70495	70860	2093	2094	2.3	1.5	3.4	1.4	9.1	3.6	21.3
70860	71225	2094	2095	2.3	1.5	3.4	1.4	9.1	3.6	21.3
71225	71590	2095	2096	2.3	1.5	3.4	1.4	9.1	3.6	21.3
71590	71956	2096	2097	2.3	1.5	3.4	1.4	9.1	3.6	21.3
71956	72321	2097	2098	2.3	1.5	3.4	1.4	9.1	3.6	21.3
72321	72686	2098	2099	2.3	1.5	3.4	1.4	9.1	3.6	21.3
72686	73051	2099	2100	2.3	1.5	3.4	1.4	9.1	3.6	21.3
73051	73416	2100	2101	2.3	1.5	3.4	1.4	9.1	3.6	21.3
73416	73781	2101	2102	2.3	1.5	3.4	1.4	9.1	3.6	21.3
73781	74146	2102	2103	2.3	1.5	3.4	1.4	9.1	3.6	21.3
74146	74511	2103	2104	2.3	1.5	3.4	1.4	9.1	3.6	21.3
74511	74877	2104	2105	2.3	1.5	3.4	1.4	9.1	3.6	21.3
74877	75242	2105	2106	2.3	1.5	3.4	1.4	9.1	3.6	21.3
75242	75607	2106	2107	2.3	1.5	3.4	1.4	9.1	3.6	21.3
75607	75972	2107	2108	2.3	1.5	3.4	1.4	9.1	3.6	21.3
75972	76338	2108	2109	2.3	1.5	3.4	1.4	9.1	3.6	21.3
76338	76703	2109	2110	2.3	1.5	3.4	1.4	9.1	3.6	21.3
76703	77068	2110	2111	2.3	1.5	3.4	1.4	9.1	3.6	21.3
77068	77433	2111	2112	2.3	1.5	3.4	1.4	9.1	3.6	21.3
77433	77799	2112	2113	2.3	1.5	3.4	1.4	9.1	3.6	21.3
77799	78164	2113	2114	2.3	1.5	3.4	1.4	9.1	3.6	21.3
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8B)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S8B)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	262	187	363	114	712	1815	3452
7306	7672	1920	1921	262	187	363	114	712	1815	3452
7672	8402	1921	1923	262	187	363	114	712	1815	3452
8402	9133	1923	1925	262	187	363	114	712	1815	3452
9133	10959	1925	1930	262	187	363	114	712	1815	3452
10959	18264	1930	1950	262	187	363	114	712	1815	3452
18264	25569	1950	1970	262	187	363	114	712	1815	3452
25569	27395	1970	1975	262	187	363	114	712	1815	3452
27395	29221	1975	1980	262	187	363	114	712	1815	3452
29221	30682	1980	1984	262	187	363	114	712	1815	3452
30682	32143	1984	1988	262	187	363	114	712	1815	3452
32143	32509	1988	1989	262	187	363	114	712	1815	3452
32509	32874	1989	1990	262	187	363	114	712	1815	3452
32874	33239	1990	1991	262	187	363	114	712	1815	3452
33239	33604	1991	1992	262	187	363	114	712	1815	3452
33604	33970	1992	1993	179	175	360	107	695	1812	3326
33970	34335	1993	1994	155	168	357	104	688	1810	3281
34335	34700	1994	1995	144	164	355	102	684	1808	3257
34700	35065	1995	1996	139	161	354	101	681	1807	3243
35065	35431	1996	1997	135	159	353	101	679	1806	3233
35431	35796	1997	1998	133	158	352	100	678	1806	3226
35796	36161	1998	1999	131	157	351	100	677	1805	3221
36161	36526	1999	2000	130	156	351	100	676	1805	3217
36526	36892	2000	2001	129	156	350	100	676	1804	3215
36892	37257	2001	2002	128	155	350	100	677	1804	3213
37257	37622	2002	2003	127	155	349	100	677	1804	3211
37622	37987	2003	2004	126	154	349	101	682	1804	3216
37987	38353	2004	2005	126	154	348	101	683	1805	3216
38353	38718	2005	2006	125	154	353	103	689	1814	3238
38718	39083	2006	2007	125	155	357	106	693	1821	3256
39083	39448	2007	2008	125	157	374	111	696	1827	3290
39448	39814	2008	2009	125	158	376	112	697	1829	3297
39814	40179	2009	2010	125	158	377	112	698	1830	3300
40179	40544	2010	2011	124	158	378	112	698	1831	3301
40544	40909	2011	2012	124	159	385	114	699	1831	3313
40909	41275	2012	2013	137	172	390	129	715	1834	3377
41275	41640	2013	2014	145	181	394	139	728	1838	3423
41640	42005	2014	2015	149	185	400	147	738	1844	3461
42005	42370	2015	2016	150	187	402	150	743	1847	3480
42370	42736	2016	2017	152	191	406	153	746	1848	3497
42736	43101	2017	2018	154	195	410	154	748	1850	3510
43101	43466	2018	2019	156	197	412	155	749	1850	3519
43466	43831	2019	2020	157	198	414	155	749	1851	3524
43831	44197	2020	2021	157	199	415	156	750	1851	3528
44197	44562	2021	2022	158	200	416	156	750	1852	3530
44562	44927	2022	2023	158	200	416	156	751	1852	3532

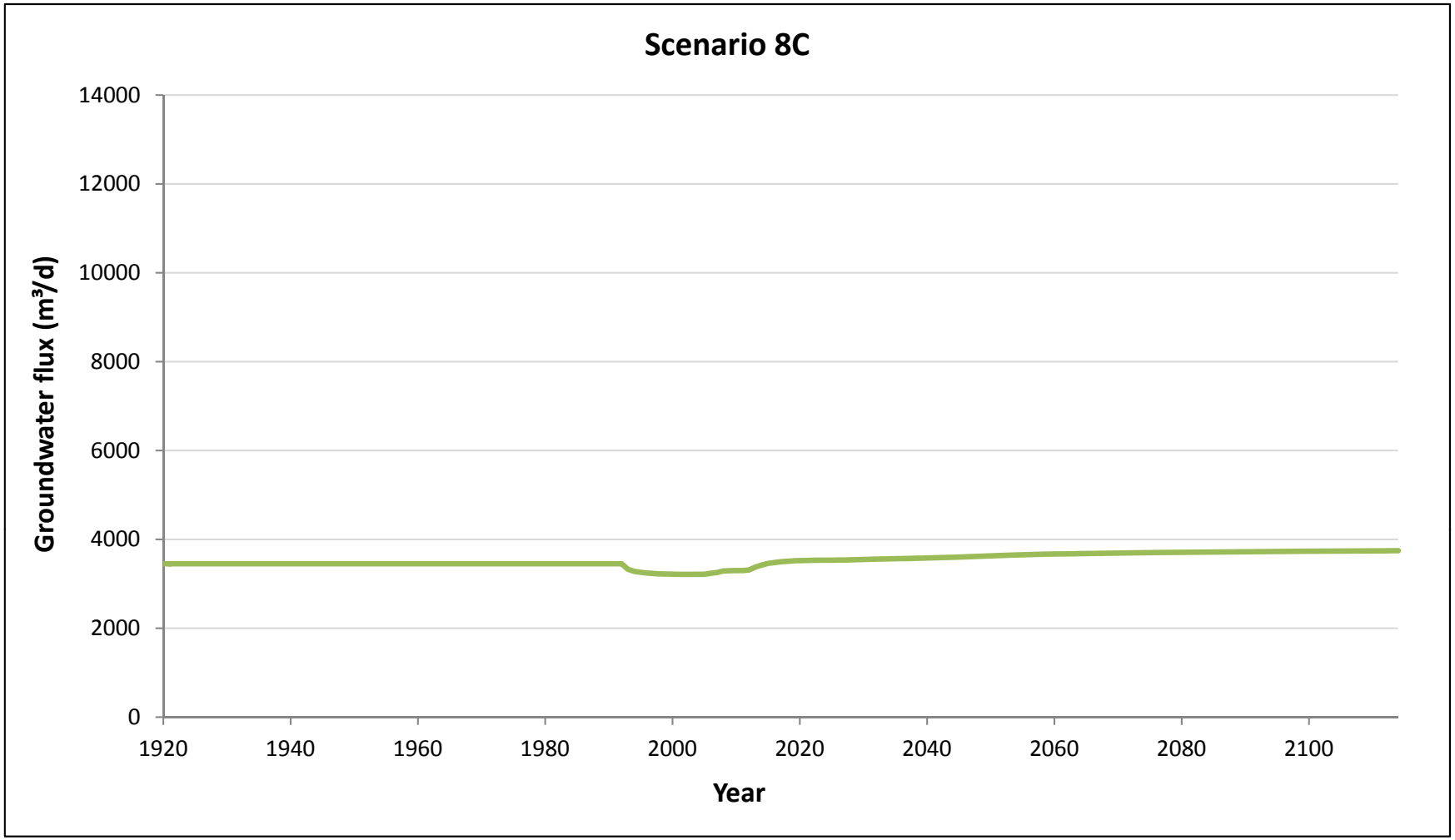
B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
44927	45292	2023	2024	158	200	417	156	751	1852	3534
45292	45658	2024	2025	158	200	417	156	751	1852	3535
45658	46023	2025	2026	158	200	417	156	751	1852	3536
46023	46388	2026	2027	158	201	417	157	751	1852	3536
46388	46753	2027	2028	158	201	417	157	753	1853	3538
46753	47119	2028	2029	158	201	418	157	756	1854	3543
47119	47484	2029	2030	158	201	418	157	759	1856	3548
47484	47849	2030	2031	158	201	418	157	761	1858	3553
47849	48214	2031	2032	158	201	418	158	764	1859	3557
48214	48580	2032	2033	159	201	418	158	766	1860	3561
48580	48945	2033	2034	159	201	418	158	768	1861	3565
48945	49310	2034	2035	159	201	418	158	769	1862	3568
49310	49675	2035	2036	159	201	418	158	771	1863	3571
49675	50041	2036	2037	160	201	418	159	772	1864	3573
50041	50406	2037	2038	160	201	418	159	773	1865	3576
50406	50771	2038	2039	160	201	418	159	775	1866	3579
50771	51136	2039	2040	161	201	418	159	776	1867	3582
51136	51502	2040	2041	162	202	419	159	777	1867	3586
51502	51867	2041	2042	162	202	419	159	779	1868	3590
51867	52232	2042	2043	163	203	419	159	780	1869	3593
52232	52597	2043	2044	164	203	419	160	781	1870	3597
52597	52963	2044	2045	166	204	420	160	782	1871	3602
52963	53328	2045	2046	168	205	421	160	783	1871	3608
53328	53693	2046	2047	171	207	422	160	784	1872	3615
53693	54058	2047	2048	173	208	423	160	785	1873	3621
54058	54424	2048	2049	175	209	423	161	786	1873	3627
54424	54789	2049	2050	177	210	424	161	786	1874	3633
54789	55154	2050	2051	178	212	425	161	787	1874	3638
55154	55519	2051	2052	180	213	426	161	788	1875	3642
55519	55885	2052	2053	181	214	427	162	788	1875	3647
55885	56250	2053	2054	182	214	428	162	789	1876	3651
56250	56615	2054	2055	183	215	428	162	789	1876	3654
56615	56980	2055	2056	184	216	429	162	790	1877	3658
56980	57346	2056	2057	185	217	430	162	790	1877	3661
57346	57711	2057	2058	186	217	430	162	791	1878	3664
57711	58076	2058	2059	187	218	431	163	791	1878	3668
58076	58441	2059	2060	188	219	431	163	791	1878	3670
58441	58807	2060	2061	189	219	432	163	792	1879	3673
58807	59172	2061	2062	190	220	432	163	792	1879	3676
59172	59537	2062	2063	190	220	433	163	792	1879	3678
59537	59902	2063	2064	191	221	434	163	793	1880	3681
59902	60268	2064	2065	192	221	434	163	793	1880	3683
60268	60633	2065	2066	192	222	435	164	793	1880	3686
60633	60998	2066	2067	193	222	435	164	793	1880	3688
60998	61363	2067	2068	194	223	435	164	794	1881	3690
61363	61729	2068	2069	194	223	436	164	794	1881	3692

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	195	224	436	164	794	1881	3694
62094	62459	2070	2071	195	224	437	164	794	1881	3696
62459	62824	2071	2072	196	225	437	164	794	1882	3698
62824	63190	2072	2073	196	225	438	164	795	1882	3700
63190	63555	2073	2074	197	225	438	165	795	1882	3701
63555	63920	2074	2075	197	226	438	165	795	1882	3703
63920	64285	2075	2076	198	226	439	165	795	1882	3705
64285	64651	2076	2077	198	226	439	165	795	1883	3706
64651	65016	2077	2078	198	227	439	165	796	1883	3708
65016	65381	2078	2079	199	227	440	165	796	1883	3709
65381	65746	2079	2080	199	228	440	165	796	1883	3711
65746	66112	2080	2081	200	228	441	165	796	1883	3712
66112	66477	2081	2082	200	228	441	165	796	1884	3714
66477	66842	2082	2083	200	228	441	165	796	1884	3715
66842	67207	2083	2084	201	229	441	165	796	1884	3717
67207	67573	2084	2085	201	229	442	165	796	1884	3718
67573	67938	2085	2086	201	229	442	166	797	1884	3719
67938	68303	2086	2087	202	230	442	166	797	1884	3720
68303	68668	2087	2088	202	230	443	166	797	1885	3722
68668	69034	2088	2089	202	230	443	166	797	1885	3723
69034	69399	2089	2090	203	230	443	166	797	1885	3724
69399	69764	2090	2091	203	231	444	166	797	1885	3725
69764	70129	2091	2092	203	231	444	166	797	1885	3726
70129	70495	2092	2093	204	231	444	166	797	1885	3727
70495	70860	2093	2094	204	231	444	166	797	1885	3729
70860	71225	2094	2095	204	232	445	166	798	1885	3730
71225	71590	2095	2096	205	232	445	166	798	1886	3731
71590	71956	2096	2097	205	232	445	166	798	1886	3732
71956	72321	2097	2098	205	232	445	166	798	1886	3733
72321	72686	2098	2099	205	233	446	166	798	1886	3734
72686	73051	2099	2100	206	233	446	166	798	1886	3735
73051	73416	2100	2101	206	233	446	167	798	1886	3736
73416	73781	2101	2102	206	233	446	167	798	1886	3736
73781	74146	2102	2103	206	233	446	167	798	1886	3737
74146	74511	2103	2104	207	234	447	167	798	1886	3738
74511	74877	2104	2105	207	234	447	167	798	1887	3739
74877	75242	2105	2106	207	234	447	167	798	1887	3740
75242	75607	2106	2107	207	234	447	167	799	1887	3741
75607	75972	2107	2108	208	234	447	167	799	1887	3742
75972	76338	2108	2109	208	235	448	167	799	1887	3742
76338	76703	2109	2110	208	235	448	167	799	1887	3743
76703	77068	2110	2111	208	235	448	167	799	1887	3744
77068	77433	2111	2112	208	235	448	167	799	1887	3745
77433	77799	2112	2113	209	235	448	167	799	1887	3745
77799	78164	2113	2114	209	235	449	167	799	1887	3746

B-6a. Modelled Groundwater Flux (m^3/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8C)(Part 3/3)



B-6a. Graph of Modelled Groundwater Flux (m^3/d) Entering the River Murray in Overland Corner (S8C)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
0	7306	1900	1920	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7306	7672	1920	1921	5.1	1.9	3.6	1.5	9.6	3.6	25.3
7672	8402	1921	1923	5.1	1.9	3.6	1.5	9.6	3.6	25.3
8402	9133	1923	1925	5.1	1.9	3.6	1.5	9.6	3.6	25.3
9133	10959	1925	1930	5.1	1.9	3.6	1.5	9.6	3.6	25.3
10959	18264	1930	1950	5.1	1.9	3.6	1.5	9.6	3.6	25.3
18264	25569	1950	1970	5.1	1.9	3.6	1.5	9.6	3.6	25.3
25569	27395	1970	1975	5.1	1.9	3.6	1.5	9.6	3.6	25.3
27395	29221	1975	1980	5.1	1.9	3.6	1.5	9.6	3.6	25.3
29221	30682	1980	1984	5.1	1.9	3.6	1.5	9.6	3.6	25.3
30682	32143	1984	1988	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32143	32509	1988	1989	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32509	32874	1989	1990	5.1	1.9	3.6	1.5	9.6	3.6	25.3
32874	33239	1990	1991	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33239	33604	1991	1992	5.1	1.9	3.6	1.5	9.6	3.6	25.3
33604	33970	1992	1993	3.4	1.8	3.6	1.4	9.3	3.6	23.2
33970	34335	1993	1994	3.0	1.7	3.6	1.4	9.2	3.6	22.5
34335	34700	1994	1995	2.8	1.6	3.6	1.4	9.2	3.6	22.2
34700	35065	1995	1996	2.7	1.6	3.6	1.4	9.1	3.6	22.0
35065	35431	1996	1997	2.6	1.6	3.5	1.3	9.1	3.6	21.8
35431	35796	1997	1998	2.6	1.6	3.5	1.3	9.1	3.6	21.7
35796	36161	1998	1999	2.5	1.6	3.5	1.3	9.1	3.6	21.7
36161	36526	1999	2000	2.5	1.6	3.5	1.3	9.1	3.6	21.6
36526	36892	2000	2001	2.5	1.6	3.5	1.3	9.1	3.6	21.6
36892	37257	2001	2002	2.5	1.6	3.5	1.3	9.1	3.6	21.6
37257	37622	2002	2003	2.5	1.6	3.5	1.3	9.1	3.6	21.5
37622	37987	2003	2004	2.4	1.5	3.5	1.3	9.2	3.6	21.6
37987	38353	2004	2005	2.4	1.5	3.5	1.4	9.2	3.6	21.6
38353	38718	2005	2006	2.4	1.5	3.5	1.4	9.3	3.6	21.8
38718	39083	2006	2007	2.4	1.6	3.6	1.4	9.3	3.6	21.9
39083	39448	2007	2008	2.4	1.6	3.8	1.5	9.3	3.7	22.2
39448	39814	2008	2009	2.4	1.6	3.8	1.5	9.4	3.7	22.3
39814	40179	2009	2010	2.4	1.6	3.8	1.5	9.4	3.7	22.3
40179	40544	2010	2011	2.4	1.6	3.8	1.5	9.4	3.7	22.3
40544	40909	2011	2012	2.4	1.6	3.9	1.5	9.4	3.7	22.4
40909	41275	2012	2013	2.6	1.7	3.9	1.7	9.6	3.7	23.3
41275	41640	2013	2014	2.8	1.8	4.0	1.9	9.8	3.7	23.9
41640	42005	2014	2015	2.9	1.9	4.0	2.0	9.9	3.7	24.3
42005	42370	2015	2016	2.9	1.9	4.0	2.0	10.0	3.7	24.5
42370	42736	2016	2017	2.9	1.9	4.1	2.0	10.0	3.7	24.7
42736	43101	2017	2018	3.0	2.0	4.1	2.1	10.0	3.7	24.9
43101	43466	2018	2019	3.0	2.0	4.1	2.1	10.0	3.7	25.0
43466	43831	2019	2020	3.0	2.0	4.2	2.1	10.1	3.7	25.0
43831	44197	2020	2021	3.0	2.0	4.2	2.1	10.1	3.7	25.1
44197	44562	2021	2022	3.0	2.0	4.2	2.1	10.1	3.7	25.1
44562	44927	2022	2023	3.0	2.0	4.2	2.1	10.1	3.7	25.1
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

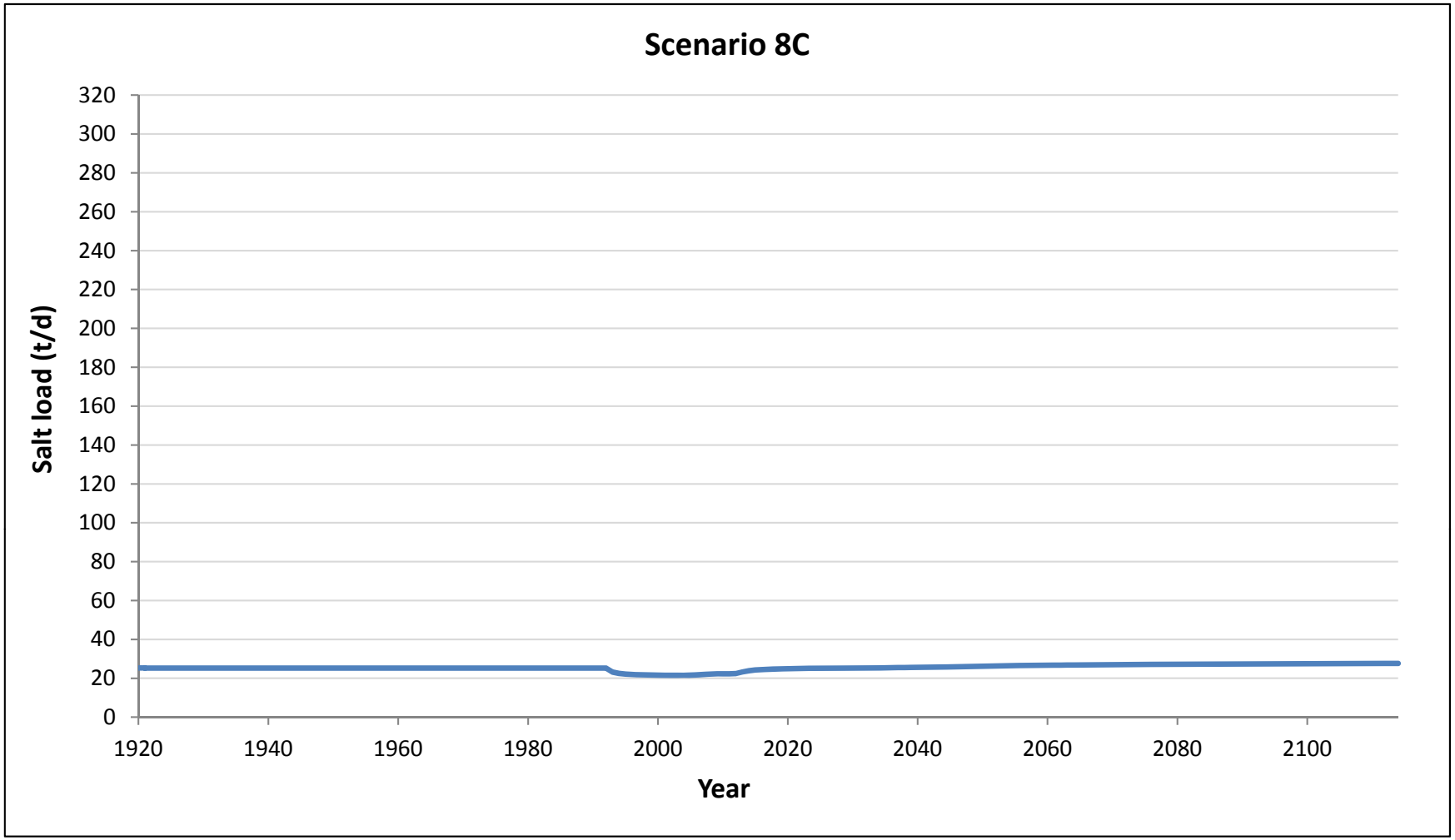
B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8C)(Part 1/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m³/d)
44927	45292	2023	2024	3.0	2.0	4.2	2.1	10.1	3.7	25.1
45292	45658	2024	2025	3.1	2.0	4.2	2.1	10.1	3.7	25.1
45658	46023	2025	2026	3.1	2.0	4.2	2.1	10.1	3.7	25.1
46023	46388	2026	2027	3.1	2.0	4.2	2.1	10.1	3.7	25.1
46388	46753	2027	2028	3.1	2.0	4.2	2.1	10.1	3.7	25.2
46753	47119	2028	2029	3.1	2.0	4.2	2.1	10.1	3.7	25.2
47119	47484	2029	2030	3.1	2.0	4.2	2.1	10.2	3.7	25.3
47484	47849	2030	2031	3.1	2.0	4.2	2.1	10.2	3.7	25.3
47849	48214	2031	2032	3.1	2.0	4.2	2.1	10.3	3.7	25.4
48214	48580	2032	2033	3.1	2.0	4.2	2.1	10.3	3.7	25.4
48580	48945	2033	2034	3.1	2.0	4.2	2.1	10.3	3.7	25.4
48945	49310	2034	2035	3.1	2.0	4.2	2.1	10.3	3.7	25.5
49310	49675	2035	2036	3.1	2.0	4.2	2.1	10.3	3.7	25.5
49675	50041	2036	2037	3.1	2.0	4.2	2.1	10.4	3.7	25.5
50041	50406	2037	2038	3.1	2.0	4.2	2.1	10.4	3.7	25.5
50406	50771	2038	2039	3.1	2.0	4.2	2.1	10.4	3.7	25.6
50771	51136	2039	2040	3.1	2.0	4.2	2.1	10.4	3.7	25.6
51136	51502	2040	2041	3.1	2.0	4.2	2.1	10.4	3.7	25.7
51502	51867	2041	2042	3.1	2.0	4.2	2.1	10.4	3.7	25.7
51867	52232	2042	2043	3.2	2.0	4.2	2.1	10.5	3.7	25.7
52232	52597	2043	2044	3.2	2.0	4.2	2.1	10.5	3.7	25.8
52597	52963	2044	2045	3.2	2.0	4.2	2.1	10.5	3.7	25.8
52963	53328	2045	2046	3.3	2.1	4.2	2.1	10.5	3.7	25.9
53328	53693	2046	2047	3.3	2.1	4.2	2.1	10.5	3.7	26.0
53693	54058	2047	2048	3.3	2.1	4.2	2.2	10.5	3.7	26.1
54058	54424	2048	2049	3.4	2.1	4.3	2.2	10.5	3.7	26.2
54424	54789	2049	2050	3.4	2.1	4.3	2.2	10.6	3.7	26.2
54789	55154	2050	2051	3.4	2.1	4.3	2.2	10.6	3.7	26.3
55154	55519	2051	2052	3.5	2.1	4.3	2.2	10.6	3.7	26.4
55519	55885	2052	2053	3.5	2.1	4.3	2.2	10.6	3.8	26.4
55885	56250	2053	2054	3.5	2.2	4.3	2.2	10.6	3.8	26.5
56250	56615	2054	2055	3.5	2.2	4.3	2.2	10.6	3.8	26.5
56615	56980	2055	2056	3.6	2.2	4.3	2.2	10.6	3.8	26.6
56980	57346	2056	2057	3.6	2.2	4.3	2.2	10.6	3.8	26.6
57346	57711	2057	2058	3.6	2.2	4.3	2.2	10.6	3.8	26.6
57711	58076	2058	2059	3.6	2.2	4.3	2.2	10.6	3.8	26.7
58076	58441	2059	2060	3.6	2.2	4.3	2.2	10.6	3.8	26.7
58441	58807	2060	2061	3.6	2.2	4.3	2.2	10.6	3.8	26.8
58807	59172	2061	2062	3.7	2.2	4.3	2.2	10.6	3.8	26.8
59172	59537	2062	2063	3.7	2.2	4.3	2.2	10.6	3.8	26.8
59537	59902	2063	2064	3.7	2.2	4.4	2.2	10.6	3.8	26.8
59902	60268	2064	2065	3.7	2.2	4.4	2.2	10.6	3.8	26.9
60268	60633	2065	2066	3.7	2.2	4.4	2.2	10.6	3.8	26.9
60633	60998	2066	2067	3.7	2.2	4.4	2.2	10.6	3.8	26.9
60998	61363	2067	2068	3.7	2.2	4.4	2.2	10.6	3.8	27.0
61363	61729	2068	2069	3.7	2.2	4.4	2.2	10.7	3.8	27.0
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8C)(Part 2/3)

Start Model Day	Stop Model Day	Start Year	Stop Year	Z43	Z44	Z45	Z46	Z47	Z48	Total flux (m^3/d)
61729	62094	2069	2070	3.8	2.2	4.4	2.2	10.7	3.8	27.0
62094	62459	2070	2071	3.8	2.3	4.4	2.2	10.7	3.8	27.0
62459	62824	2071	2072	3.8	2.3	4.4	2.2	10.7	3.8	27.1
62824	63190	2072	2073	3.8	2.3	4.4	2.2	10.7	3.8	27.1
63190	63555	2073	2074	3.8	2.3	4.4	2.2	10.7	3.8	27.1
63555	63920	2074	2075	3.8	2.3	4.4	2.2	10.7	3.8	27.1
63920	64285	2075	2076	3.8	2.3	4.4	2.2	10.7	3.8	27.1
64285	64651	2076	2077	3.8	2.3	4.4	2.2	10.7	3.8	27.2
64651	65016	2077	2078	3.8	2.3	4.4	2.2	10.7	3.8	27.2
65016	65381	2078	2079	3.8	2.3	4.4	2.2	10.7	3.8	27.2
65381	65746	2079	2080	3.8	2.3	4.4	2.2	10.7	3.8	27.2
65746	66112	2080	2081	3.9	2.3	4.4	2.2	10.7	3.8	27.2
66112	66477	2081	2082	3.9	2.3	4.4	2.2	10.7	3.8	27.3
66477	66842	2082	2083	3.9	2.3	4.4	2.2	10.7	3.8	27.3
66842	67207	2083	2084	3.9	2.3	4.4	2.2	10.7	3.8	27.3
67207	67573	2084	2085	3.9	2.3	4.4	2.2	10.7	3.8	27.3
67573	67938	2085	2086	3.9	2.3	4.4	2.2	10.7	3.8	27.3
67938	68303	2086	2087	3.9	2.3	4.4	2.2	10.7	3.8	27.3
68303	68668	2087	2088	3.9	2.3	4.4	2.2	10.7	3.8	27.3
68668	69034	2088	2089	3.9	2.3	4.4	2.2	10.7	3.8	27.4
69034	69399	2089	2090	3.9	2.3	4.5	2.2	10.7	3.8	27.4
69399	69764	2090	2091	3.9	2.3	4.5	2.2	10.7	3.8	27.4
69764	70129	2091	2092	3.9	2.3	4.5	2.2	10.7	3.8	27.4
70129	70495	2092	2093	3.9	2.3	4.5	2.2	10.7	3.8	27.4
70495	70860	2093	2094	3.9	2.3	4.5	2.2	10.7	3.8	27.4
70860	71225	2094	2095	3.9	2.3	4.5	2.2	10.7	3.8	27.4
71225	71590	2095	2096	4.0	2.3	4.5	2.2	10.7	3.8	27.5
71590	71956	2096	2097	4.0	2.3	4.5	2.2	10.7	3.8	27.5
71956	72321	2097	2098	4.0	2.3	4.5	2.2	10.7	3.8	27.5
72321	72686	2098	2099	4.0	2.3	4.5	2.2	10.7	3.8	27.5
72686	73051	2099	2100	4.0	2.3	4.5	2.2	10.7	3.8	27.5
73051	73416	2100	2101	4.0	2.3	4.5	2.2	10.7	3.8	27.5
73416	73781	2101	2102	4.0	2.3	4.5	2.2	10.7	3.8	27.5
73781	74146	2102	2103	4.0	2.3	4.5	2.2	10.7	3.8	27.5
74146	74511	2103	2104	4.0	2.3	4.5	2.2	10.7	3.8	27.5
74511	74877	2104	2105	4.0	2.3	4.5	2.2	10.7	3.8	27.6
74877	75242	2105	2106	4.0	2.3	4.5	2.2	10.7	3.8	27.6
75242	75607	2106	2107	4.0	2.4	4.5	2.2	10.7	3.8	27.6
75607	75972	2107	2108	4.0	2.4	4.5	2.2	10.7	3.8	27.6
75972	76338	2108	2109	4.0	2.4	4.5	2.2	10.7	3.8	27.6
76338	76703	2109	2110	4.0	2.4	4.5	2.2	10.7	3.8	27.6
76703	77068	2110	2111	4.0	2.4	4.5	2.2	10.7	3.8	27.6
77068	77433	2111	2112	4.0	2.4	4.5	2.2	10.7	3.8	27.6
77433	77799	2112	2113	4.0	2.4	4.5	2.2	10.7	3.8	27.6
77799	78164	2113	2114	4.0	2.4	4.5	2.2	10.7	3.8	27.6
			Salinity (mg/L)	19319	10042	10042	13420	13420	2000	

B-6b. Modelled Salt Load (t/d) Entering the River Murray from each Flow Budget Zone in Overland Corner (S8C)(Part 3/3)



B-6b. Graph of Modelled Salt Load (t/d) Entering the River Murray in Overland Corner (S8C)

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-1 APPLICATION OF THE IRRIGATION ACCESSIONS UNDERLYING IRRIGATION AREAS METHOD TO THE WOOLPUNDA REGION

APPLICATION OF THE IRRIGATION ACCESSIONS UNDERLYING IRRIGATION AREAS METHOD TO THE WOOLPUNDA REGION

Linda Vears, Sustainable Water Resources Branch

January 2013

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Government of South Australia

Department of Environment, Water and Natural Resources

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1. INTRODUCTION

Irrigation accessions from irrigation areas adjacent to the River Murray in South Australia are a major contributor to increased salinity levels in the River Murray and to salinisation of adjacent wetlands and floodplains. As a signatory to the Murray-Darling Basin Agreement, South Australia is required to report the impact of accountable actions to the Murray-Darling Basin Authority's (MDBA) Basin Salinity Management Strategy's (BSMS) Salinity Registers (Schedule B to the Agreement). An accountable action refers to a management action which results in an increase or decrease of more than 0.1EC in salinity as measured at Morgan over the benchmark period. The cumulative salinity impact of irrigation constitutes an accountable action.

South Australia has developed a predictive capacity to model groundwater processes using the MODFLOW platform. The MODFLOW models run time-bound scenarios to predict future salt loads and to inform understanding of the relative contribution of specific actions to past, present and future river salt loads. The MODFLOW model output is utilised to inform estimates of accountable actions for entry onto the Salinity Registers.

Four regional models have been developed which cover the River Murray from the South Australian border with Victoria/New South Wales to Wellington (see Figure 1). Three of the regional models contain subzones to capture distinct differences in hydrogeology and land management areas. The fourth regional model at Chowilla does not contain any irrigation development. The three regional models and the subzones within them have been accredited under the BSMS as fit for purpose to inform a range of accountable actions including: Mallee clearance, irrigation development (past, present and future), rehabilitation of infrastructure, improvements to irrigation efficiency and salt interception scheme benefits (where relevant).

As per Section 24 (1) and Section 39 (1) of Schedule B of the Murray-Darling Basin Agreement, models which inform Salinity Register entries are required to be reviewed at intervals of not more than 7 years. The Morgan to Lock 3 regional model was completed in 2005 and due for review in 2012.

Due to distinctive hydrogeological differences within the Morgan to Lock 3 region the regional model has now been separated into two subregion models representing the Waikerie to Morgan area and the Woolpunda area. The Waikerie to Morgan subzone area model was updated and accredited in 2012. The Woolpunda Numerical Groundwater Model is being reviewed and updated in 2012-13.

This technical report provides an independent line of evidence for estimating irrigation accessions underlying irrigation areas in the Woolpunda area. The estimated irrigation accession outputs will be used to confirm calculated irrigation accessions made in MODFLOW.

The irrigation accessions are calculated here based on a direct measurement of irrigation application and rainfall inputs.

The Woolpunda model domain and project area are shown at Figure 2.

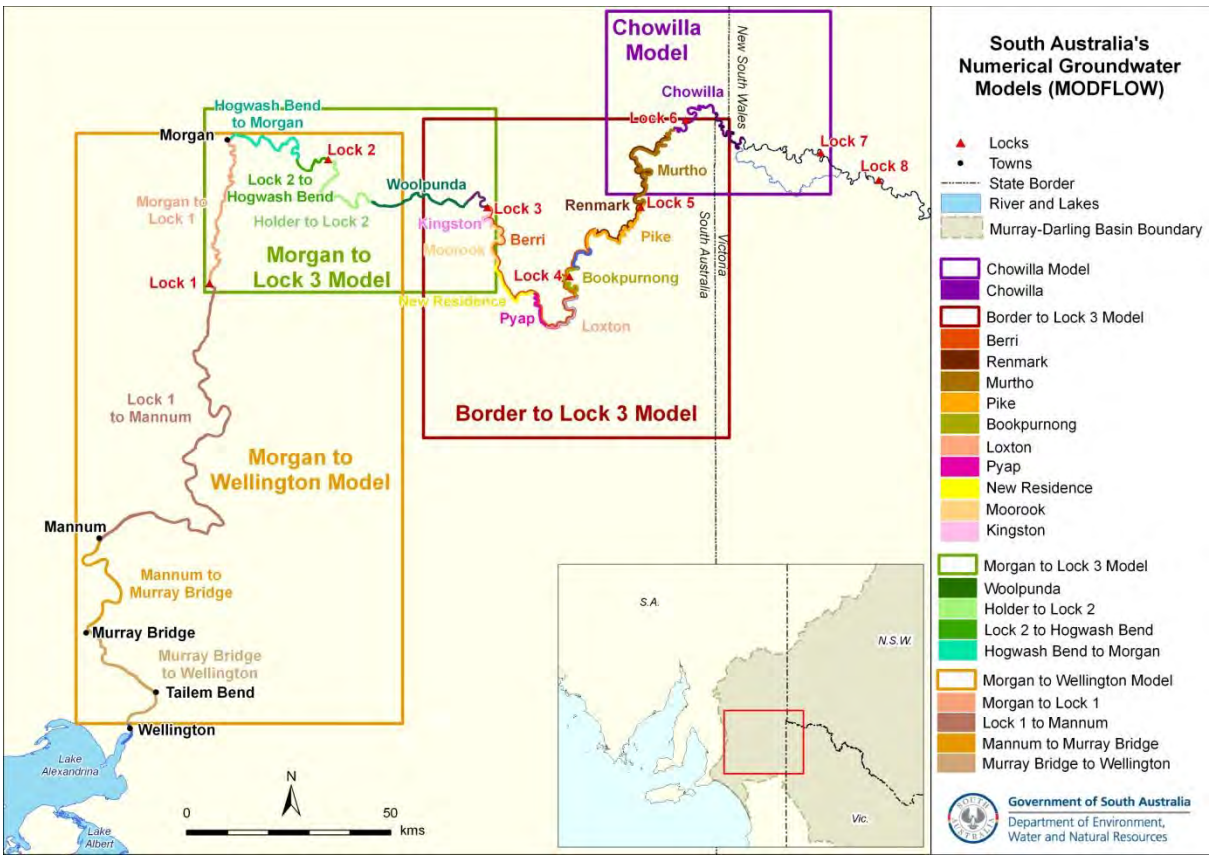

Figure 1 Location of South Australia's Regional Numerical Groundwater Models

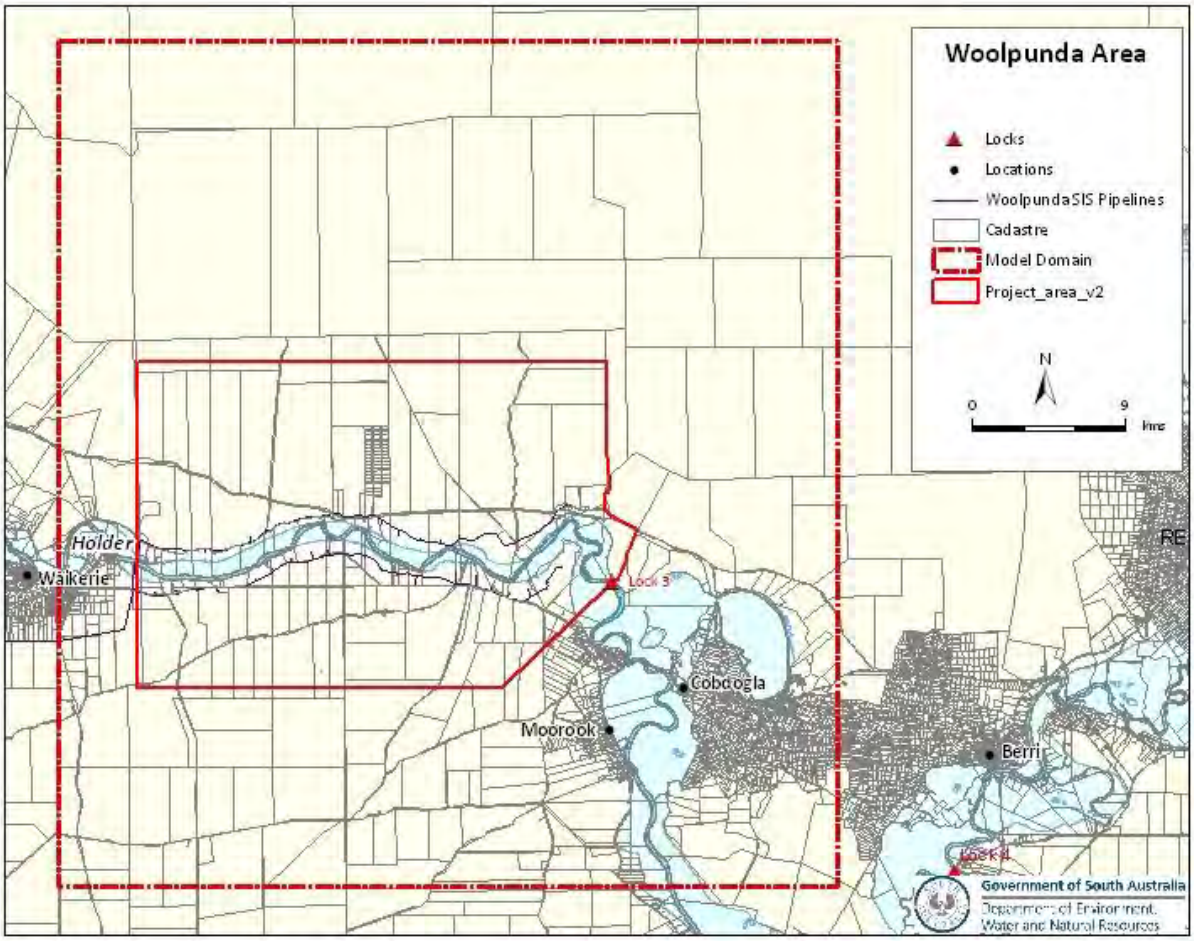

Figure 2 Woolpunda region, South Australia

2. PURPOSE

The objective of this report is to provide detailed information and estimated levels of irrigation accession using the water balance calculation method to support numerical groundwater modelling in the Woolpunda project area (refer to Figure 2).

Achievement of this objective will require:

- Collating irrigation input data (crop area and consumption) for the Woolpunda region; and
- Applying the water balance calculation methodology to the Woolpunda region.

The water balance calculation methodology was previously developed and applied within the Loxton-Bookpurnong and Waikerie to Morgan areas to estimate irrigation accessions. The accession value is used to assist defining irrigation recharge and confirm the irrigation recharge input for the numerical groundwater models in those areas (Meissner 2011, Meissner 2012).

3. BACKGROUND

A range of background material has been compiled for the development and implementation of the water balance calculation including:

- Historical information on crop areas and types including spatial location and commencement date;
- Historical information on water consumption and irrigation systems; and
- Published estimates of application efficiency rates.

This section provides an overview of the Woolpunda area including irrigation history and changes in crop area through time.

LOCATION AND IRRIGATION HISTORY

The Woolpunda area is located in the South Australian Riverland between Lock 3 and the Holder area, near Waikerie. Prior to the installation of electricity to power the Woolpunda salt interception scheme in 1988-89, very little irrigation existed in the area (less than 500 ha).

Once electricity was available irrigation began to expand steadily from around 500 hectares in 1988 to approximately 2,000 ha in the late 1990s. This was followed by a significant boom of temporary pivot irrigation from 2001 to 2006 (pivot area increasing from 402 ha to 2,802 ha). The Millennium Drought and subsequent reductions in water entitlements (refer to Figure 3) resulted in a contraction in the area of temporary pivot irrigation, by 2009 only 32 ha of pivot irrigation out of a total irrigated area of 2,063 ha remained active. Since 2010 the temporary pivot irrigation areas have increased, accounting for approximately one-third of the total irrigation area in 2012 (1,000 ha of a total 3,036 ha).

Whilst temporary pivot irrigation area fluctuated during the Millennium Drought, the area of permanent irrigation, which had increased during the 1990s to around 2,000 ha, remained in production, albeit with reduced water applied.

The Woolpunda project area contains private irrigators who draw directly from the River Murray through pipes. There has been no open channel infrastructure or irrigation trusts within the Woolpunda project area.

The following maps show the development of irrigation in the Woolpunda area over time (selected years are shown where the information has been derived from aerial or crop surveys).

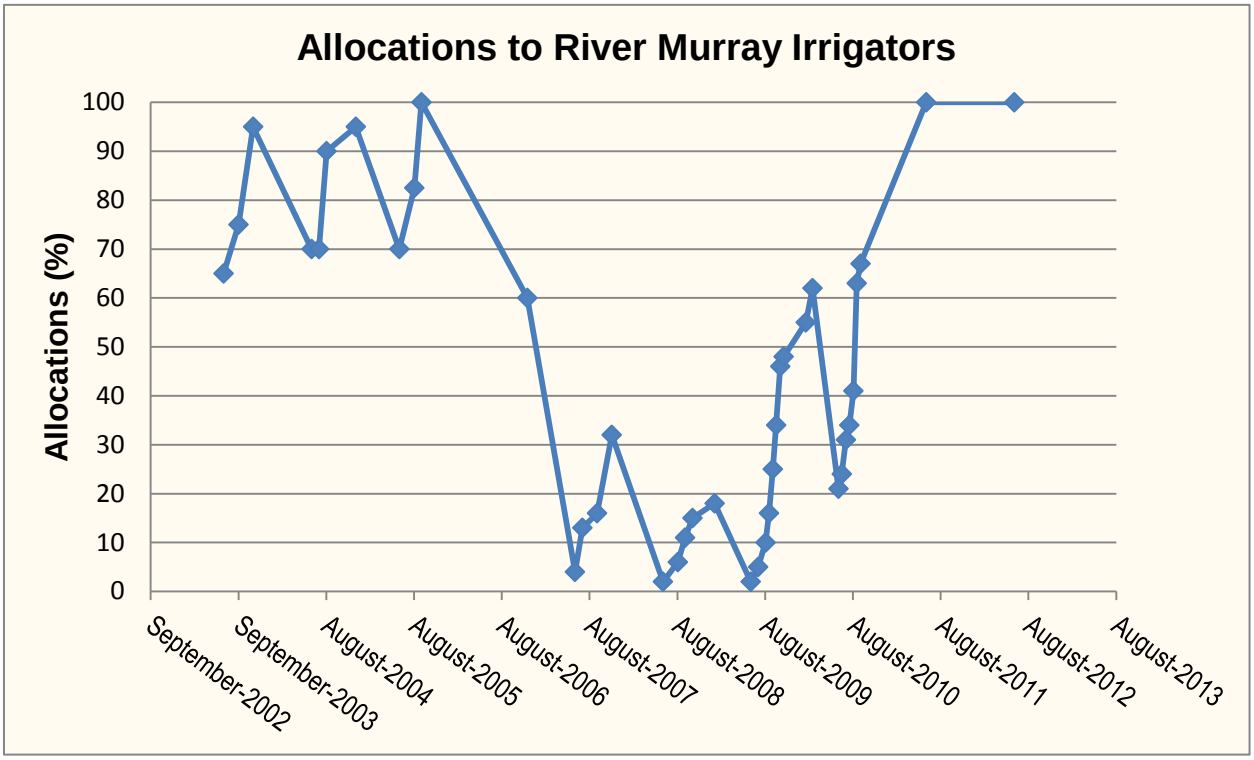

Figure 3 Historical Allocations to River Murray Irrigators, SA

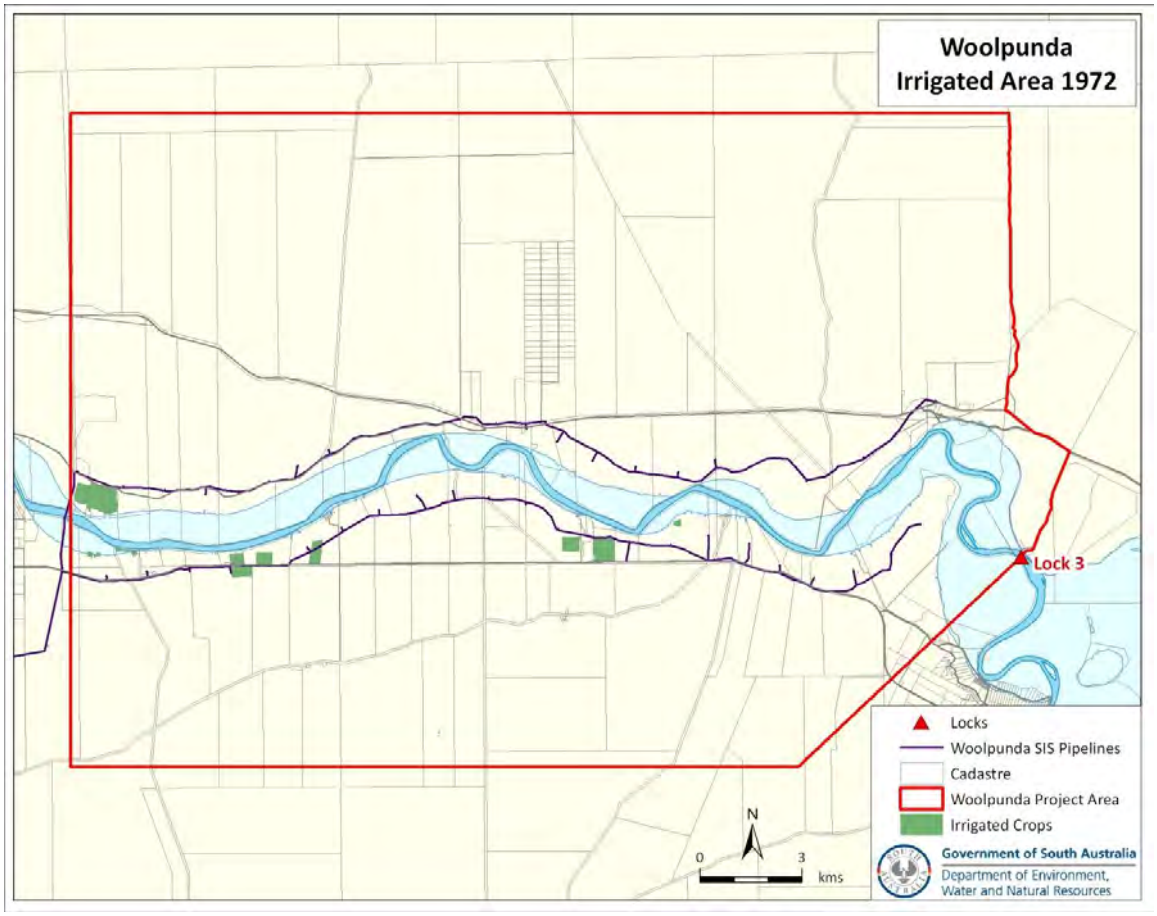

Figure 4 Woolpunda Irrigated Area 1972

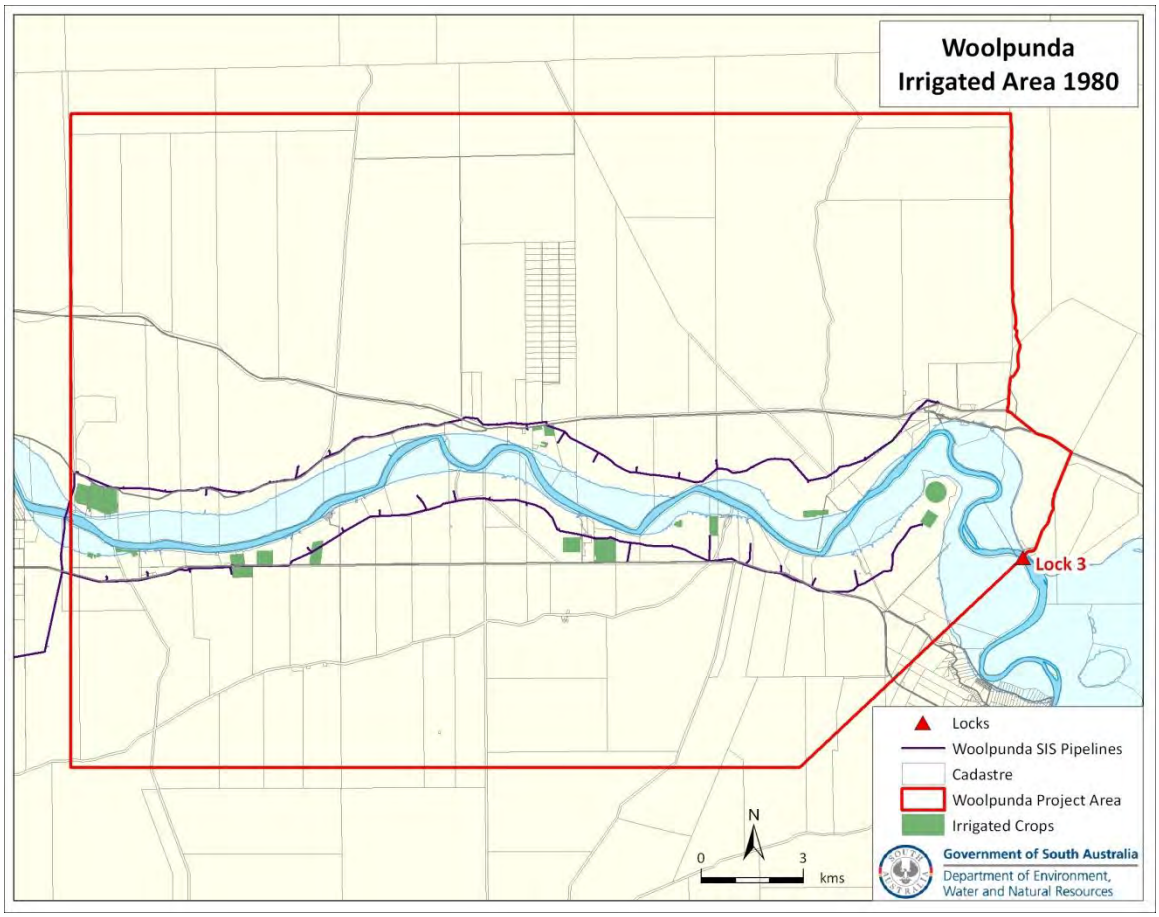

Figure 5 Woolpunda Irrigated Area 1980

Figure 6 Woolpunda Irrigated Area 1988

Figure 7 Woolpunda Irrigated Area 1991

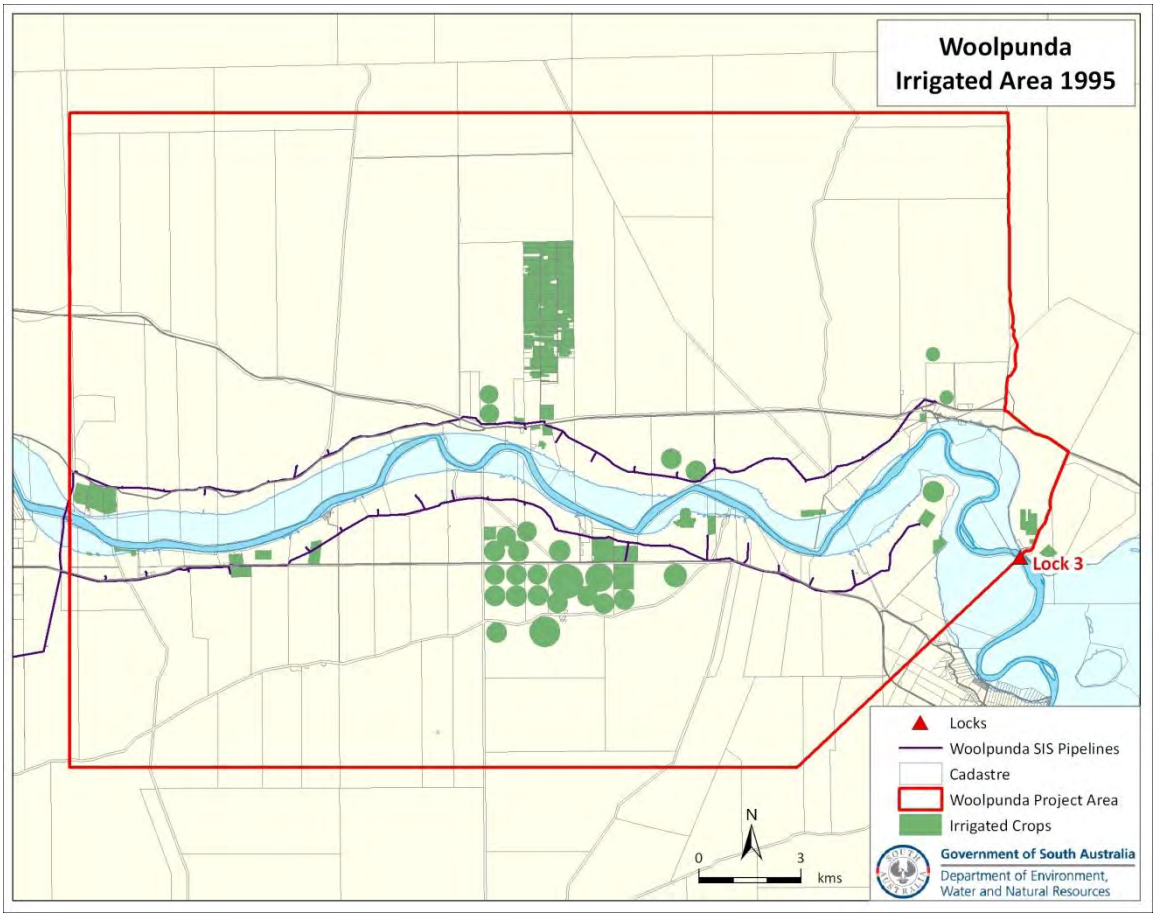

Figure 8 Woolpunda Irrigated Area 1995

Figure 9 Woolpunda Irrigated Area 1997

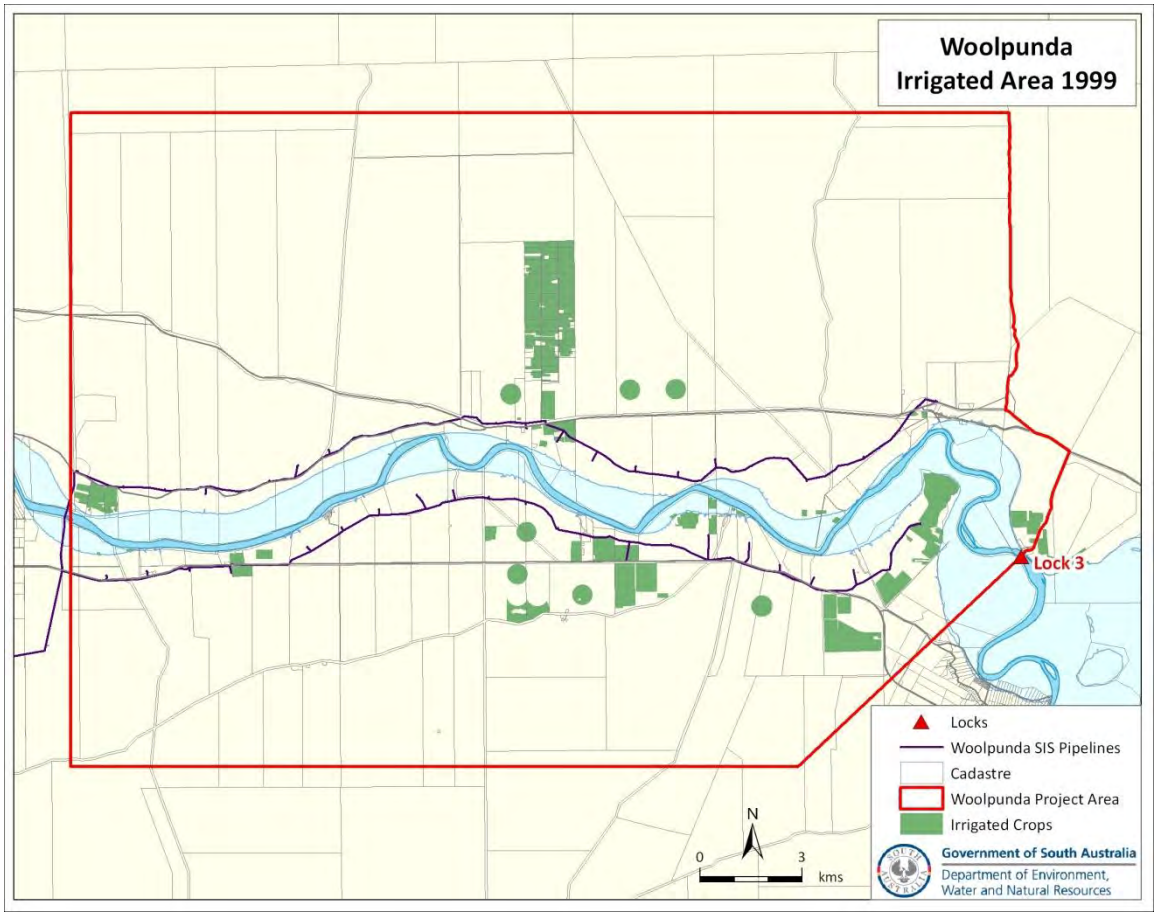

Figure 10 Woolpunda Irrigated Area 1999

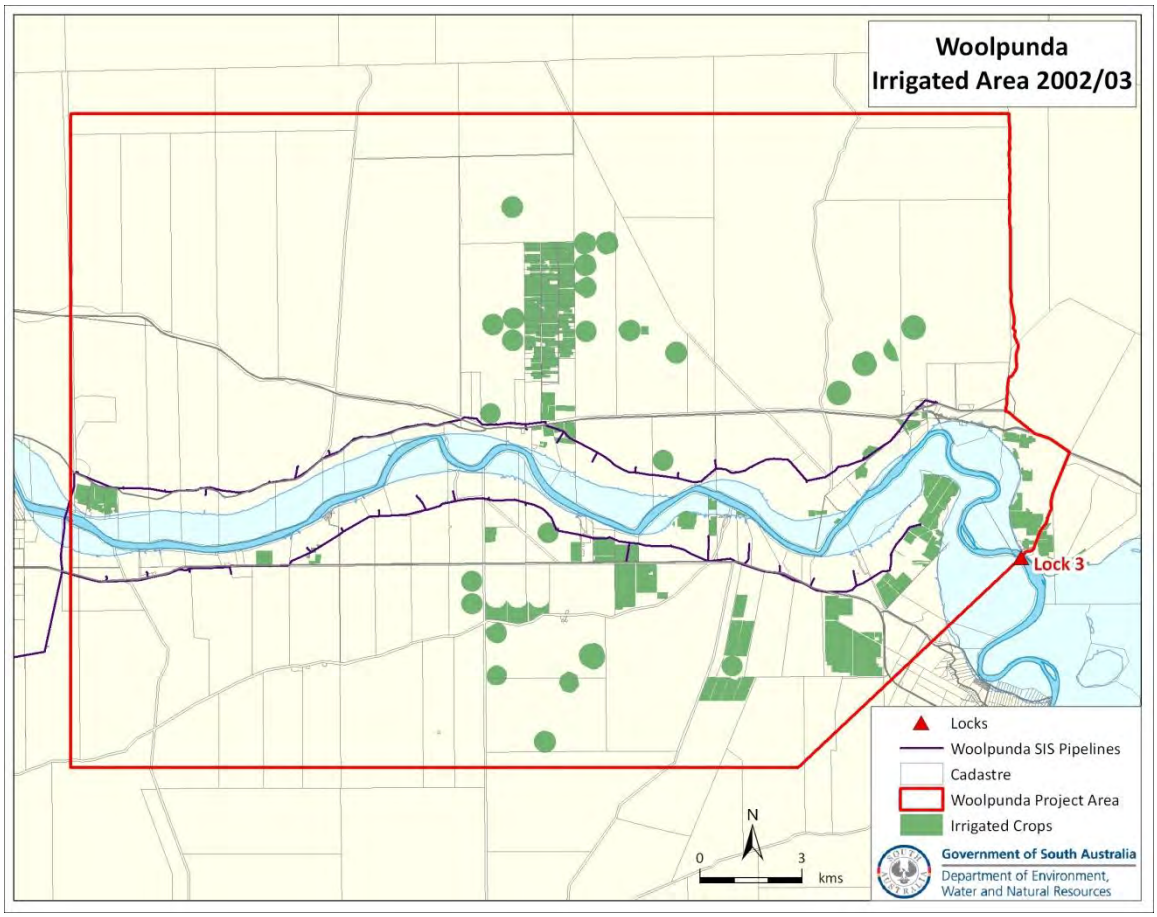

Figure 11 Woolpunda Irrigated Area 2002/03

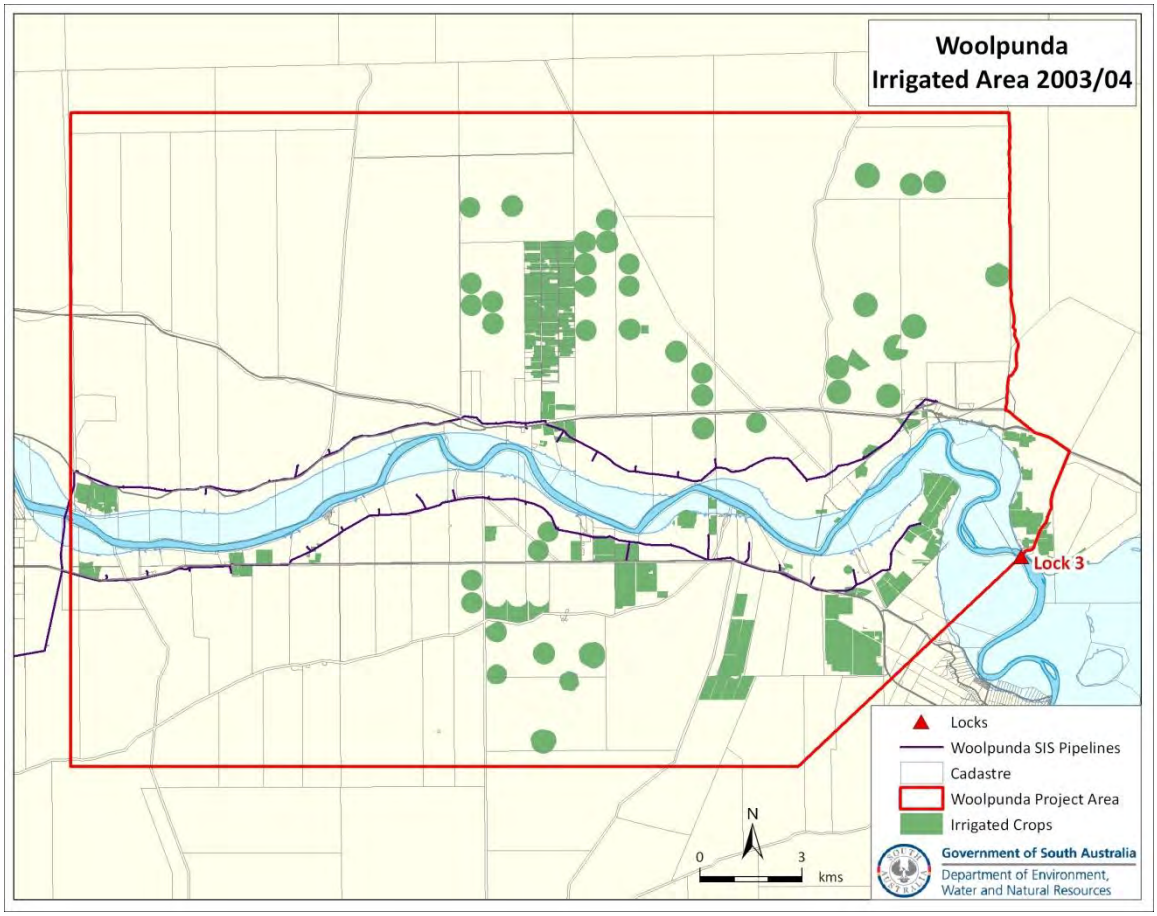

Figure 12 Woolpunda Irrigated Area 2003/04

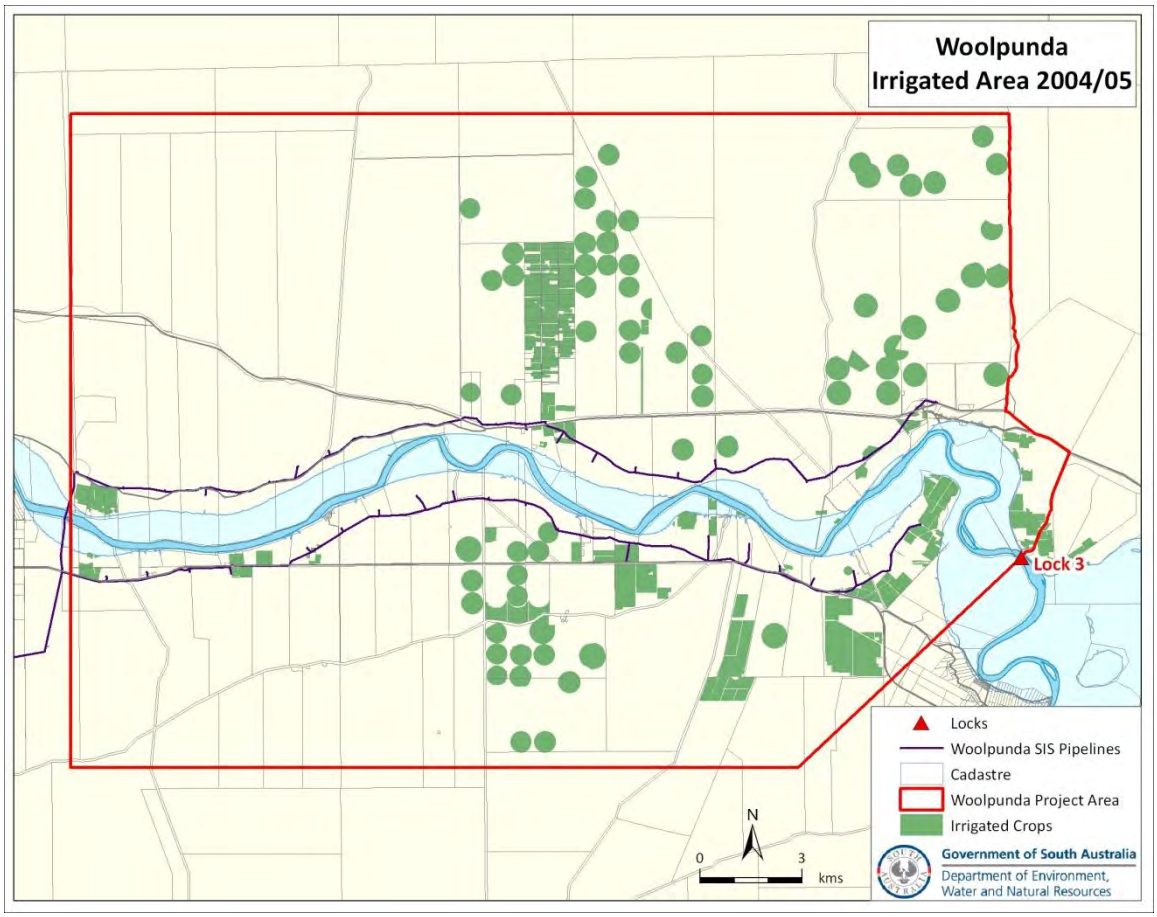

Figure 13 Woolpunda Irrigated Area 2004/05

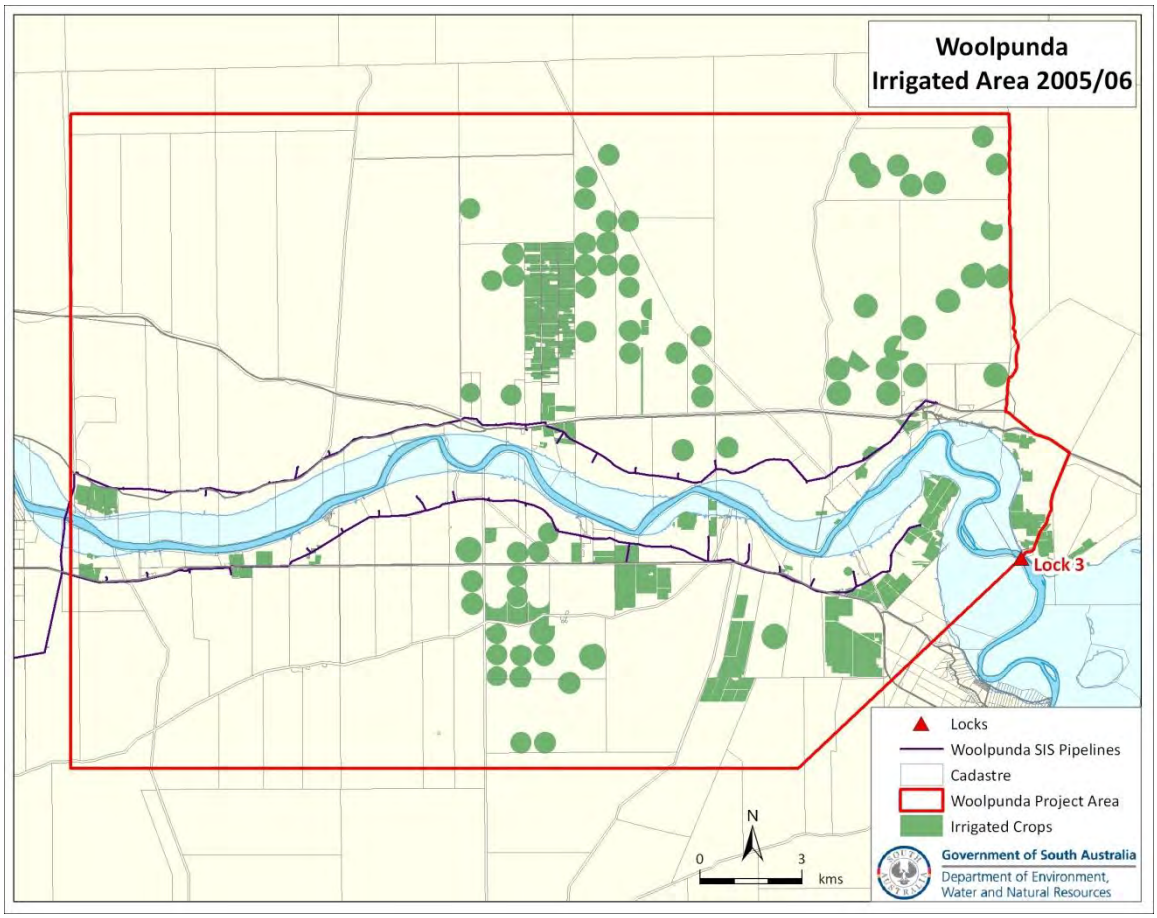

Figure 14 Woolpunda Irrigated Area 2005/06

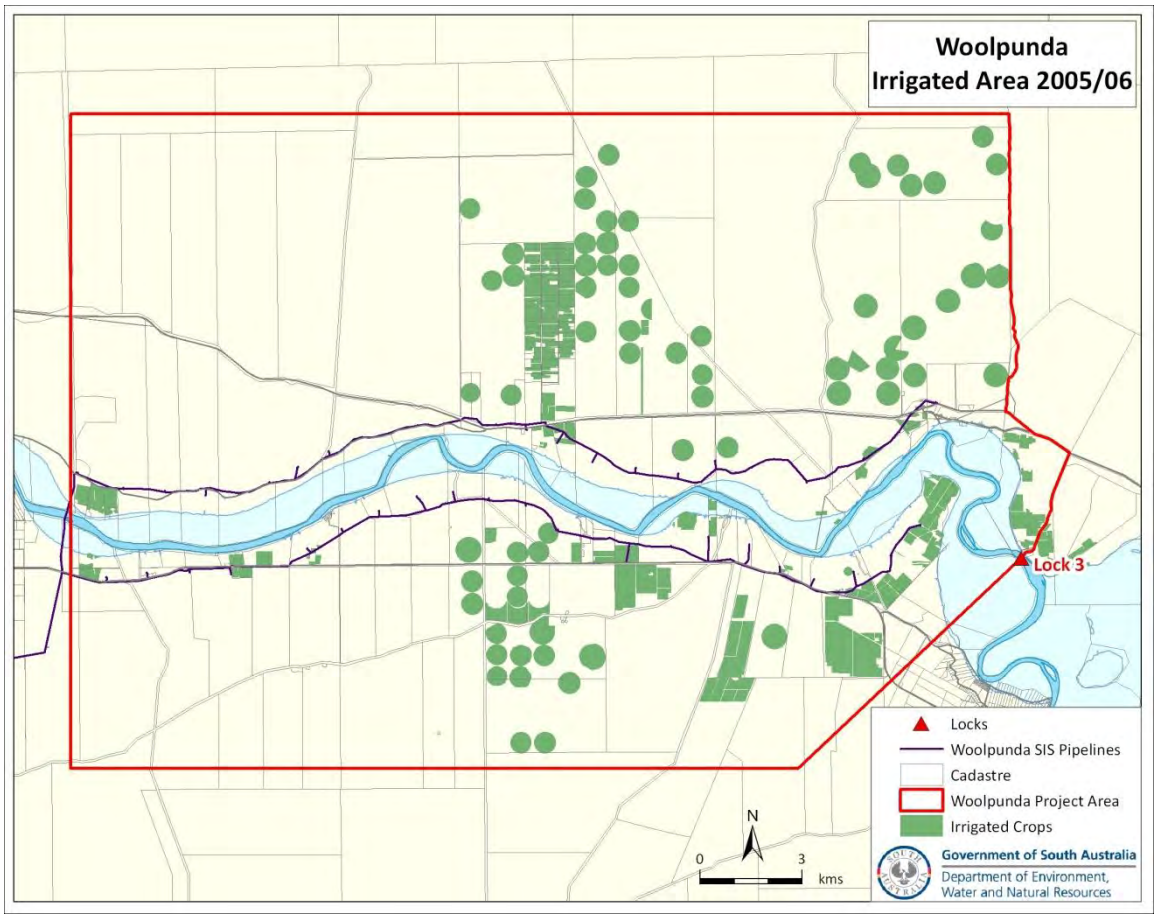

Figure 15 Woolpunda Irrigated Area 2005/06

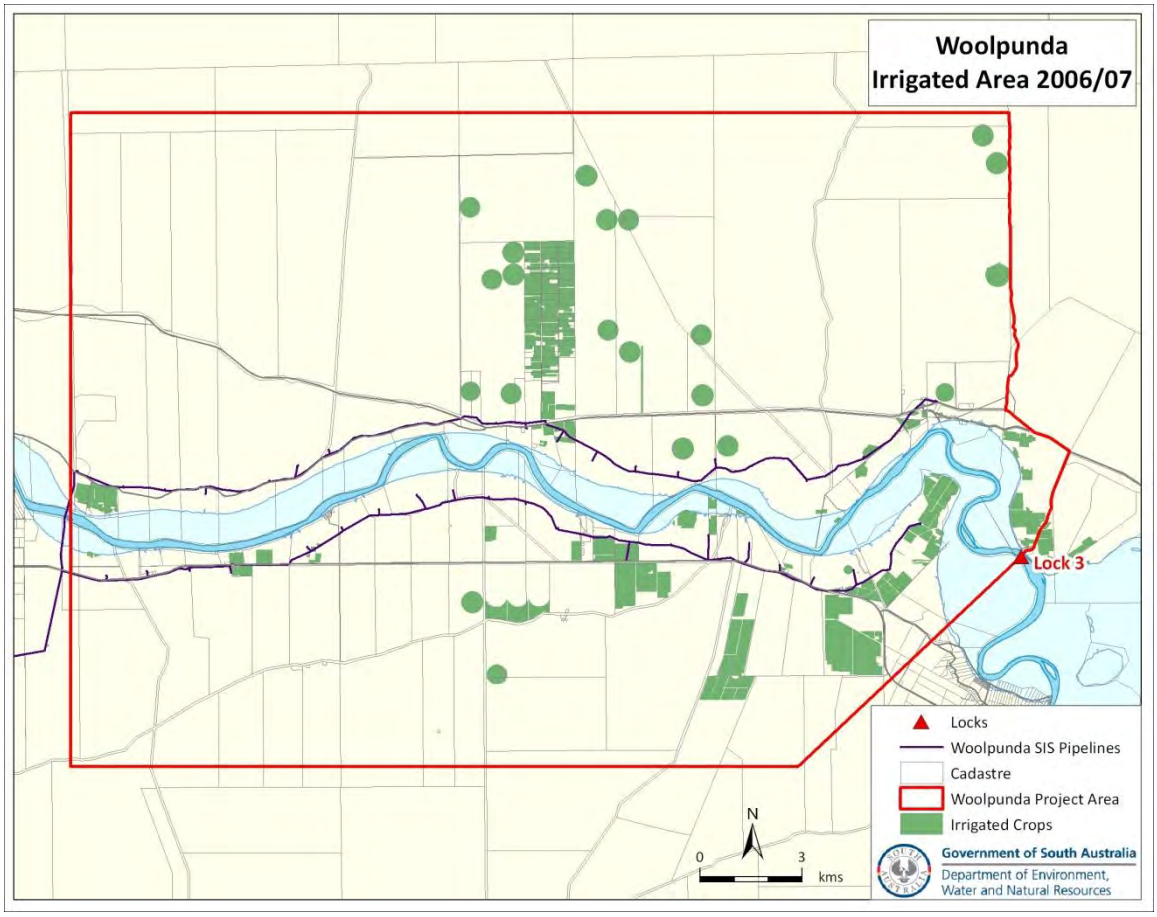

Figure 16 Woolpunda Irrigated Area 2006/07

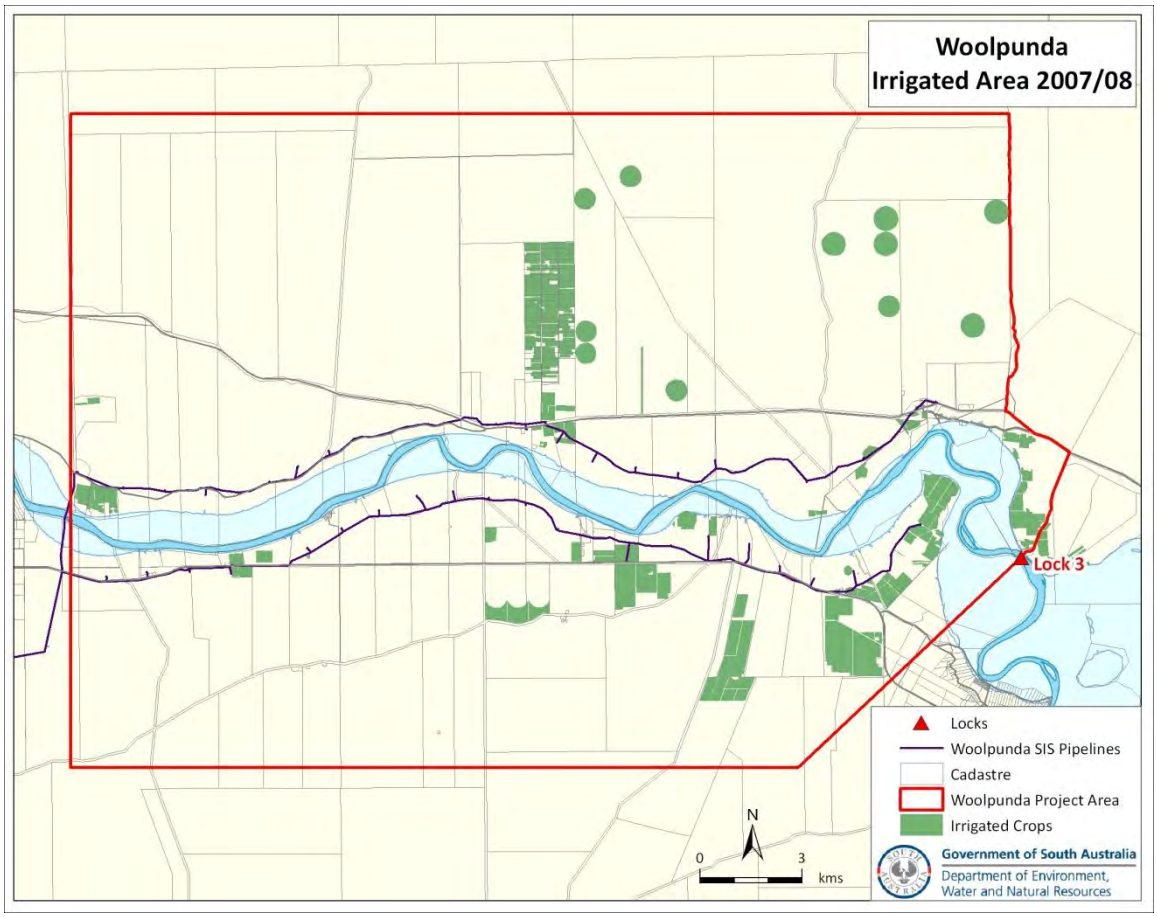

Figure 17 Woolpunda Irrigated Area 2007/08

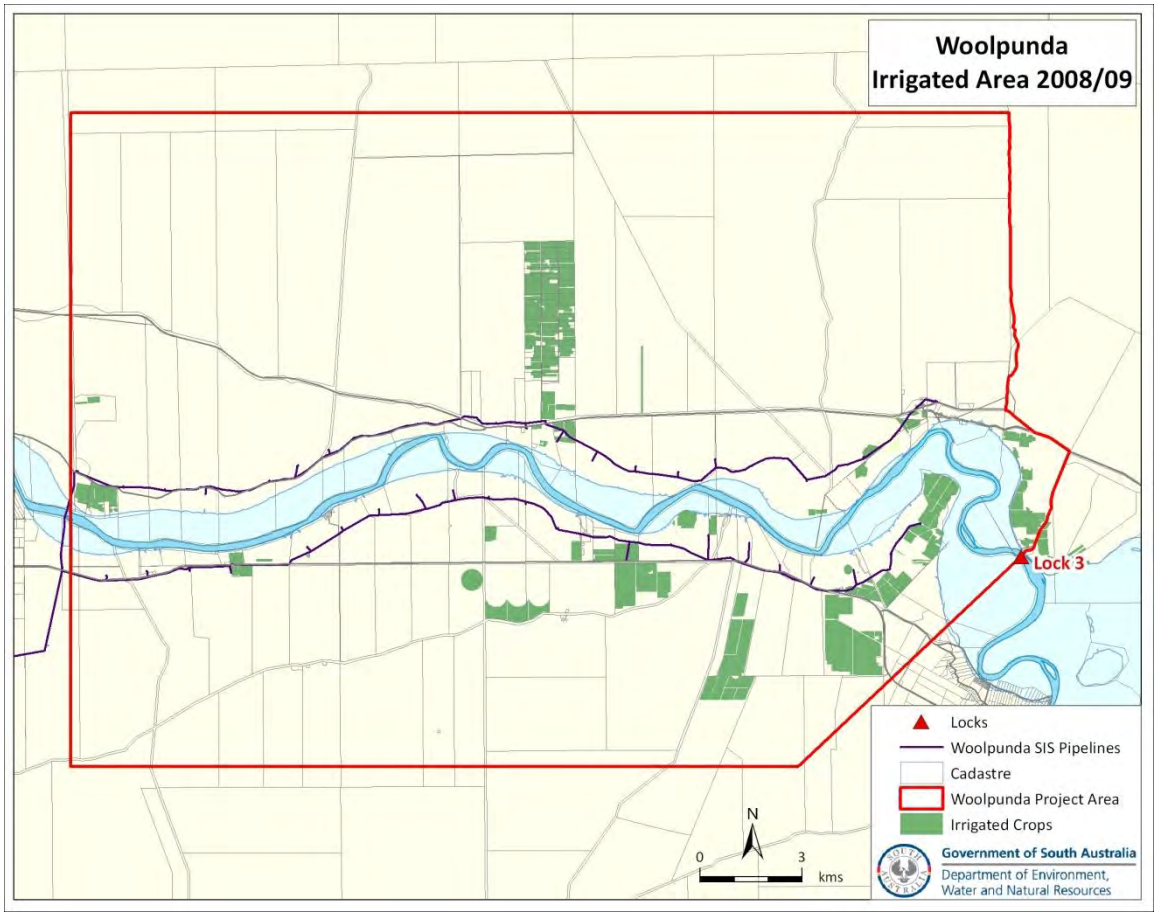

Figure 18 Woolpunda Irrigated Area 2008/09

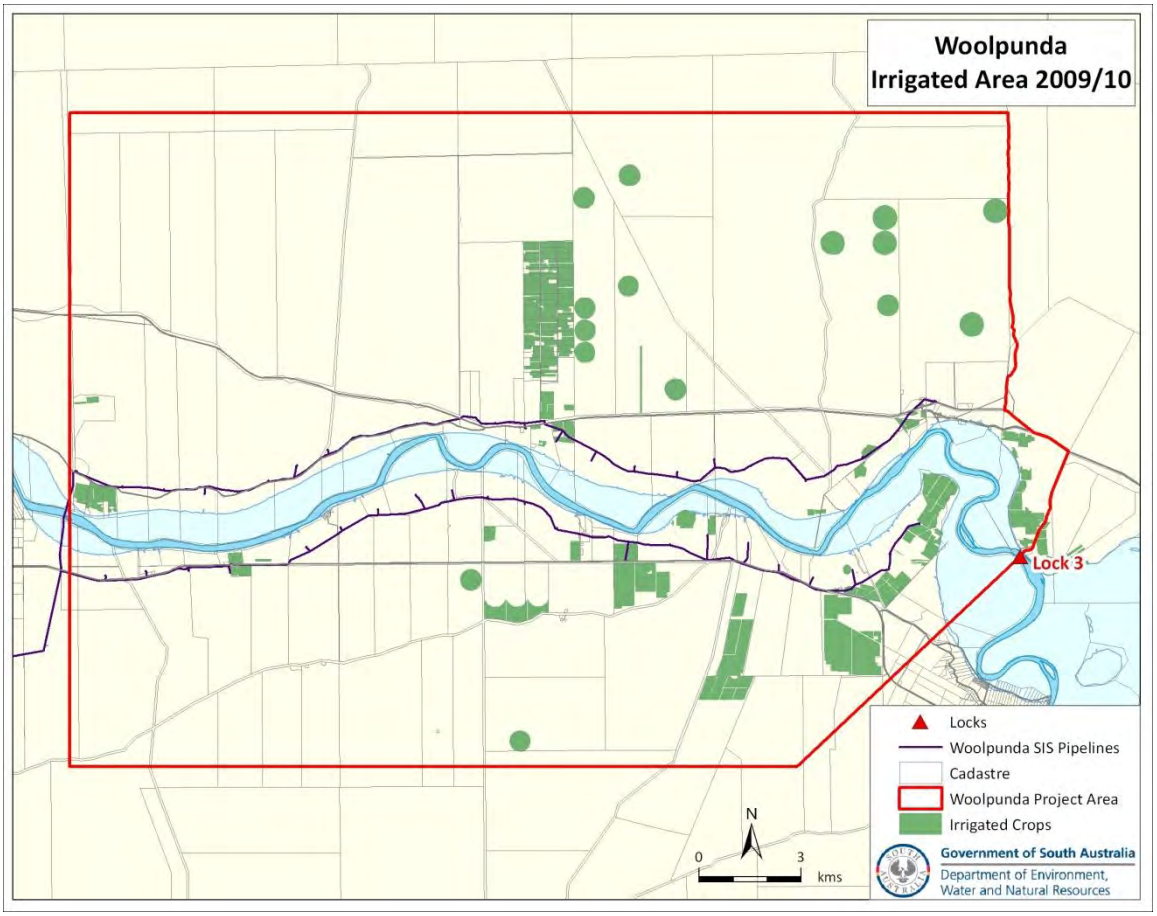

Figure 19 Woolpunda Irrigated Area 2009/10

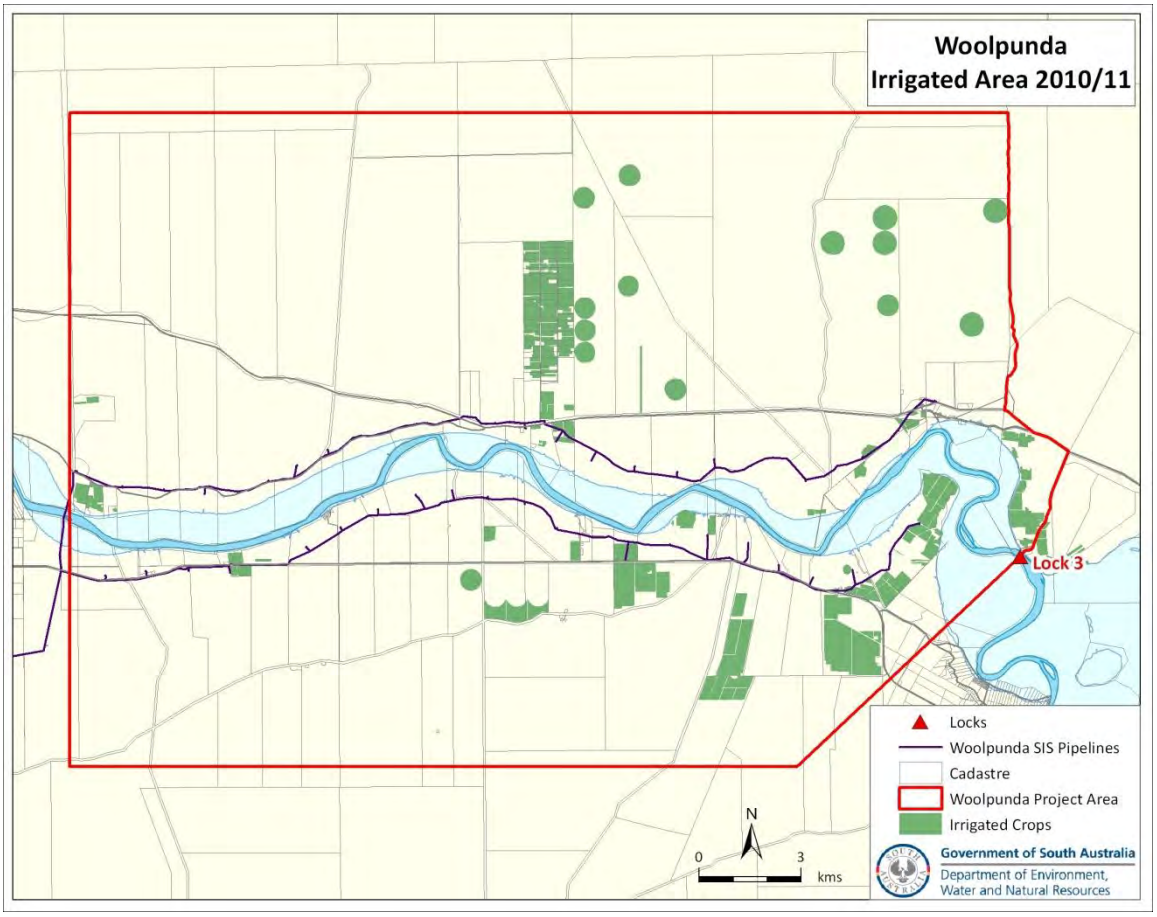

Figure 20 Woolpunda Irrigated Area 2010/11

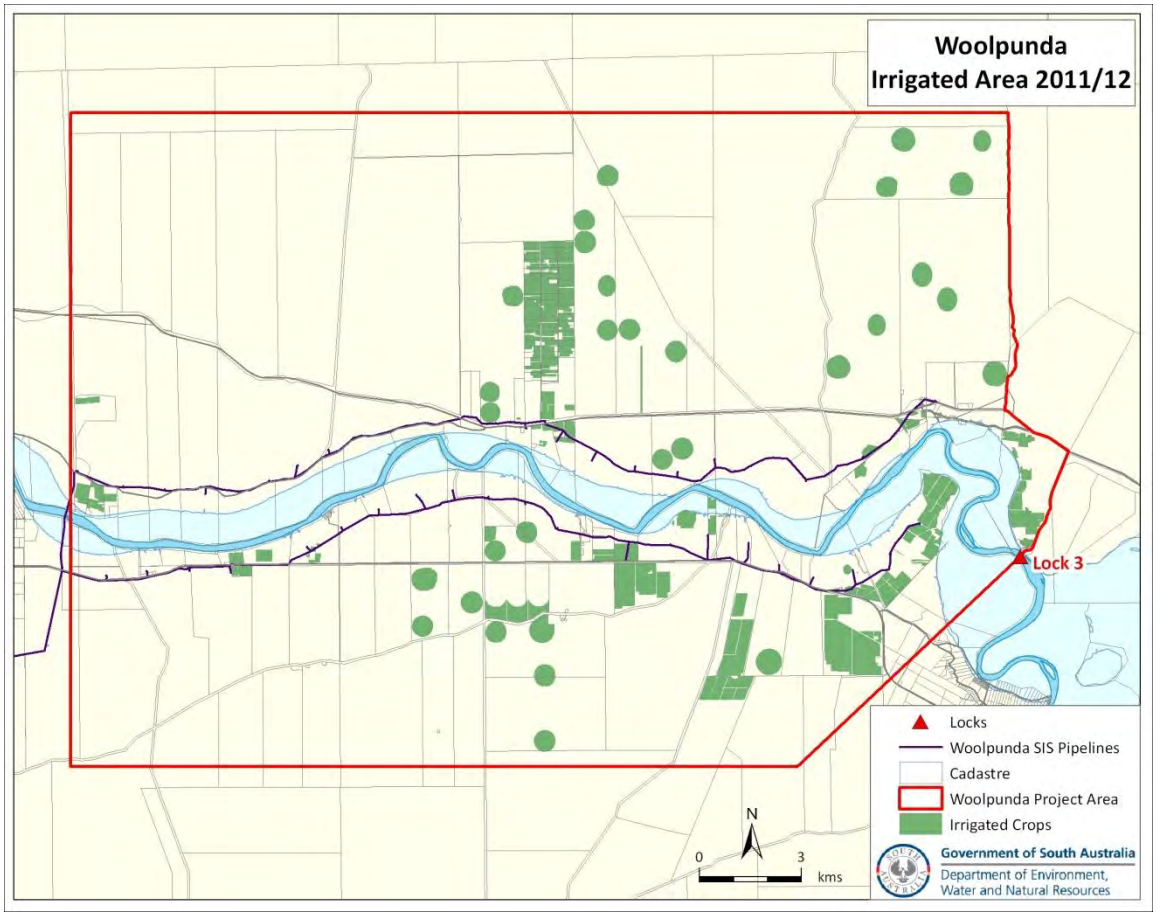

Figure 21 Woolpunda Irrigated Area 2011/12

4. METHODOLOGY

OVERVIEW

Irrigation accessions are estimated based on a water balance methodology which traces water moving through the landscape. The key starting inputs are rainfall and irrigation water applied.

The method is applied annually from the commencement date of irrigation where estimates of crop areas are available.

Rainfall and irrigation inputs are converted to a total volume (ML).

The method then calculates reductions in these total volumes due to:

- transmission and seepage losses from open irrigation channels prior to rehabilitation to conversion to pressurised underground pipe infrastructure in former Government Highland Irrigation Trust areas (now Central Irrigation Trust districts);
- losses due to water uptake by crops and losses due to evaporation; and
- losses due to drainage collection through caissons or drainage schemes.

This results in an estimation of irrigation accession volumes (ML) in each area.

However, as there were no open irrigation channels, caisson or drainage schemes in the Woolpunda area no calculations have been included to account for these losses.

A flow diagram is provided to illustrate how the model tracks and models water movement through the landscape (Figure 22).

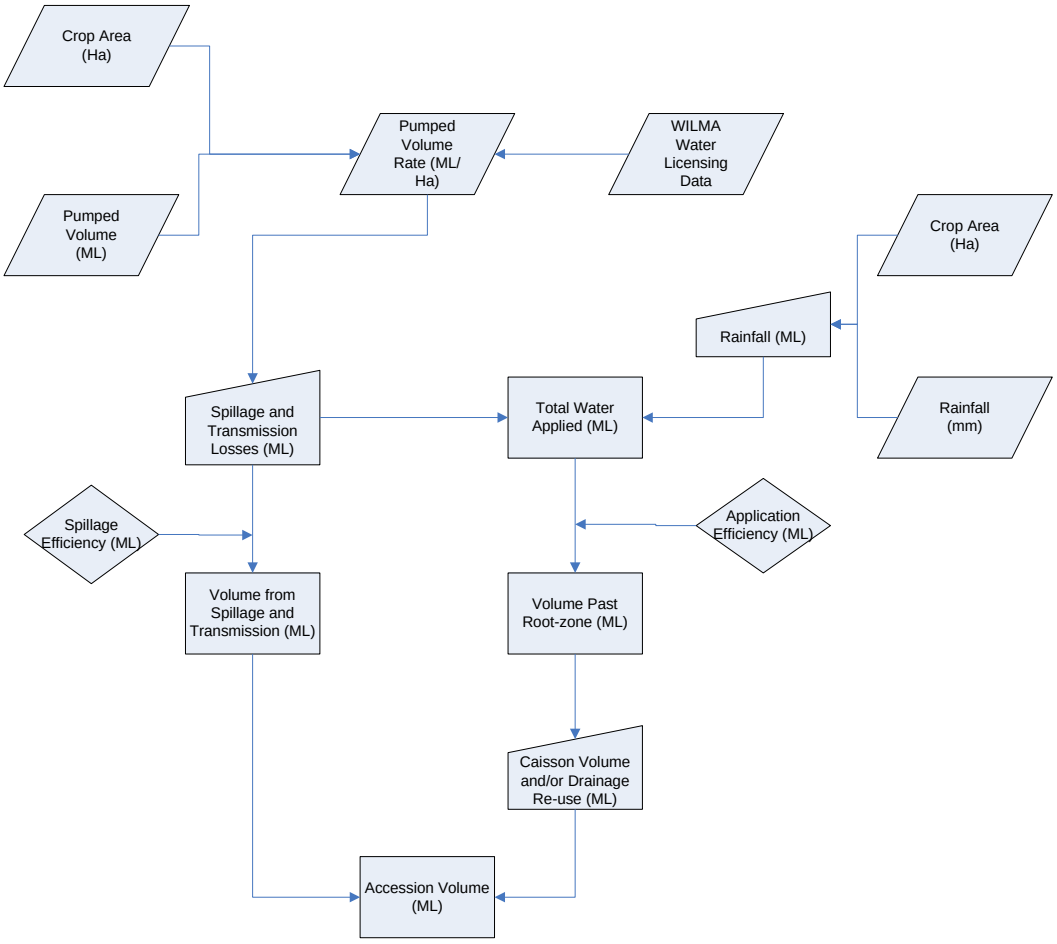

Figure 22 Representation of the Irrigation Accession Model

Direct Data Inputs

Key data inputs for the method include rainfall, crop area, pumped volumes and application efficiencies. The origins of the data are described below.

Description of key data inputs

Rainfall (mm): rainfall data was sourced from the Bureau of Meteorology web-site to the nearest available weather station. For the Woolpunda are this included: Waikerie Ramco #24015, 1972-2001, Duffield Ramco #24031, 2002-2012.

Crop area (ha): crop areas were collated from a number of sources:

- Landsat Satellite imagery: 1972 and 1980
- Aerial Surveys: 1988, 1995, 1997, 1999, 2001
- Crop Surveys (interviews with irrigators): 2002/03-2007/08
- PIRSA flyovers (mapped non irrigated/out of production): 2008, 2009, 2010 and 2011

There were significant data gaps particularly in some of the early data necessitating linear interpolation of data to smooth between data points.

Pumped volume (ML): estimated pre 1991 due to a lack of available water volumes. After 1991 it was derived directly from the Department for Environment, Water and Natural Resource's WLS and WILMA licensing systems.

Pumped Volume Application (ML/ha): These were derived from Newman et al 2010 and then modified based on local knowledge and experience by Tony Meissner (pers. comm.) to account for specific crop types within a given district.

Application Efficiency: a key input for determining volume of water applied was derived from Newman et al 2010.

In the case of Pumped Water Volumes and Pumped Application Rates some adjustments were made to the directly inputted data in order to ensure consistent trends were seen from year to year. These adjustments are noted in the tables included in the Appendix to this report.

Data Calculations

A range of parameters were calculated within the model derived from direct data inputs or calculated data using accepted/published methodologies and are described below (refer to Table 1).

Description of key data calculations

Rainfall (ML): two methodologies were utilised (refer to the following section for detailed explanation). Firstly, Total rainfall was calculated and secondly Effective Rainfall.

Volume past the rootzone (ML): calculated taking into account the estimated application efficiency following a standard methodology and also an alternative methodology using effective rainfall.

Total accessions (ML): based on summing estimated accessions from irrigation and rainfall.

Table 1 Summary of data calculations made within the Irrigation Accession Model for Woolpunda

Data	Calculation
Total rainfall (ML)	(Rainfall (mm) X Crop Area) /1000
Effective Rainfall	(Rainfall (mm) X Crop Area)/1000 X 0.6
Total Water Applied (ML)	(Pumped Volume (ML) + Rainfall (ML))
Volume past root-zone (ML)	Total water applied X (1- Irrigation Efficiency)

Model Scenario Testing

Scenario testing was confined to testing the influence of the rainfall input, namely whether irrigation accession volumes would vary greatly depending on whether rainfall was defined as normal or effective.

Total Rainfall

In this methodology all rainfall is considered to be an input into the model.

That is, all rainfall is combined with irrigation water applied and multiplied by irrigation efficiency measure to determine water volume past the rootzone. In effect, rainfall is considered as another irrigation event.

This method allows consistency with estimates used in previous water balance models. However, this does not take into account the high rates of evaporation within the Mallee environment and that small amounts of rainfall are likely evaporated before any deeper penetration of the rainfall occurs to the root zone of horticultural plantings. Hence the likelihood that significant amounts of rainfall may not be available to the plant.

Effective Rainfall

Effective Rainfall is defined as "the part of rainfall that can be used to meet the evapotranspiration of growing crops. It does not include any rainfall that is evaporated from the soil surface or runoff".

FAO has determined under arid conditions that a value of 0.6 or 60% of total rainfall is an appropriate figure to use for arid and semi-arid irrigated environments (Dastane, 1978*)*. In the semi-arid Mallee environment it has been estimated that under some circumstances of soil moisture content and irrigated horticulture cultural practices about the first 5-7 mm of rainfall might not be effective (Adams pers. Comm. 2011). However, there has been no definitive measurement of Effective Rainfall (T. Meissner pers.comm).

In this methodology, prior to summing rainfall and total water applied, rainfall is multiplied by 0.6 to estimate effective rainfall only, as follows:

= (Pumped Volume (ML) + (Rainfall (ML) X 0.6)) X (1 - Irrigation Efficiency).

This results in a reduction in the estimate of irrigation accessions (see results in Section 4) as it takes into account evaporation and run-off processes.

The use of Effective Rainfall is consistent with other calculations of water use efficiency including the calculation of water use efficiency in the South Australian Prescribed River Murray Water Allocation Plan. It also acknowledges the likely impact of evaporation particularly when monthly rainfall records are low.

The estimated irrigation accessions for both scenarios are provided in Section 5.

Assumptions and Limitations

The following assumptions were made in the formulation of the methodology:

- Rainfall estimates at local weather stations reflect general trends across the districts.
  Comment: Assumption not tested but is reasonable given the flat topography of the Mallee region.

- WLS and WILMA data is relatively accurate at a spatial level and reflective of actual pumped volumes. *Comment: WILMA data has specific protocols for data collection to ensure accuracy of underlying data.*
- Rainfall has an efficiency rate consistent with irrigation efficiency. *Comment: This assumption has not been tested but is a generally accepted methodology. However, if rainfall falls in large amounts (typically 20 mm or more) it is unlikely to have a similar efficiency as applied irrigation water as the soil is typically near saturation under irrigation.*
- Irrigator behaviour is consistent over the years. That is if within an area/sub-area the practice is to apply excessive/low amounts this trend is maintained over time even when irrigation practices move to greater efficiency of water applied.

A number of limitations are found within this model. There are significant errors in data accuracy with overall errors estimated to be 25% (T. Meissner pers. comm.).

Data inputs have significant margins of error particularly for historical data, for example interpolating between known/measured crop areas and there is no way to substantiate/verify this historical data.

The estimation of efficiency particularly rainfall efficiency is also limited because it does not take into account how the rainfall falls, whether in small or large scale rainfall events as this will impact on the degree to which rainfall will drain past the rootzone.

Applying the method at the district scale

An initial estimate of groundwater accessions from irrigation application was made by the Department for Environment, Water and Natural Resources based on the available data and known assumptions, i.e. historical application efficiency rates.

This table was then provided to Tony Meissner (expert in local irrigation) who was requested to:

- Review the irrigation areas, irrigation application rates, volumes pumped and irrigation efficiency used to estimate accessions to groundwater;
- Review whether it is necessary to treat areas that are irrigated by centre pivot systems in a different manner than other irrigation systems; and
- Provide a report of the reviews (Appendix A).

Unfortunately the attempt to estimate groundwater accessions from permanent irrigation as distinct from temporary pivot irrigation was unsuccessful due to:

- consumption information is attributed to a licence which may be applied at more than one location;
- one location may have several licences attributed to it; and
- crop information only captures a single timeframe in a year, whereas temporary pivot irrigation may be moved and irrigated several times within a single year.

Adjustments to inputs

In his report, T. Meissner has adjusted the irrigated area in the years 1999 and 2001 as it was assumed that the licence consumption irrigation was correct and the irrigated area incorrect. Upon further interrogation of the licence consumption information, one irrigator also applies water to properties located in the Lock 3 to Lock 4 reach using the same licence that is also applied in the

Woolpunda area. In addition, the crop areas for 1999 and 2001 were digitised from aerial photography, therefore the irrigated areas for these years have been amended to their original mapped values and the pumped volumes have been estimated based on the application rate (which has been interpolated from 1998 to 2000 (for 1999) and from 2000 to 2002 (for 2001)).

The Jubilee Almonds development, located north of the river in the centre of the Woolpunda area, was originally noted as commencing in 1995. On advice from T. Meissner this has been changed to 1991.

It appears that the irrigated areas for 2007 to 2011 have been changed to reflect only permanent irrigation. This results in high application rates (up to 11.2 ML/ha in 2007). As no other years have singled out permanent irrigation the original (total irrigated) areas have been replaced for these years.

Following discussions between DEWNR staff and T. Meissner it was agreed that the constant application rates used for permanent irrigation were not appropriate for pivot irrigation, as pivots are not constantly irrigated throughout the year.

The assumptions agreed between DEWNR and T. Meissner are:

- For permanent irrigation (future):
    - Assume recharge rate to be 100 mm/y
    - Estimate lag time using SIMRAT, lag time likely to be around 20 to 30 years or more
- For pivot irrigation (historical and future):
    - Assume recharge rate to be 60 mm/y (assuming an irrigation rate of 600 mm/y and 10% recharge)
    - Recharge area can be assumed to be half of the pivot irrigation areas
        - Whether the recharge area should be at the front/middle/back of the pivot irrigation areas, uncertainty tests could be done to investigate its impact
    - Estimate lag time from SIMRAT, lag time likely to be longer than permanent irrigation, can be up to 50 years

For the years in which mapped irrigated area was available an attempt was made to differentiate groundwater accessions from permanent irrigation and temporary irrigation.

Additional adjustments include:

- adjustments of data between years where data appeared inconsistent or contradictory;
- interpolation of data where there was missing data; and
- estimation of data based on derived relationships between data.

For further explanation of these adjustments, refer to report at Appendix A.

5. RESULTS

Application rates have decreased over time while application efficiency has increased. The estimates of groundwater accessions are complicated by the mix of permanent and temporary irrigation. The following results are shown for total irrigated area, permanent irrigation and temporary irrigation.

The graph at Figure 23Figure 25 shows the total irrigated area (permanent and temporary irrigation) and Figure 24 shows the estimated groundwater accessions using the application efficiency and application rates deemed appropriate for permanent irrigation.

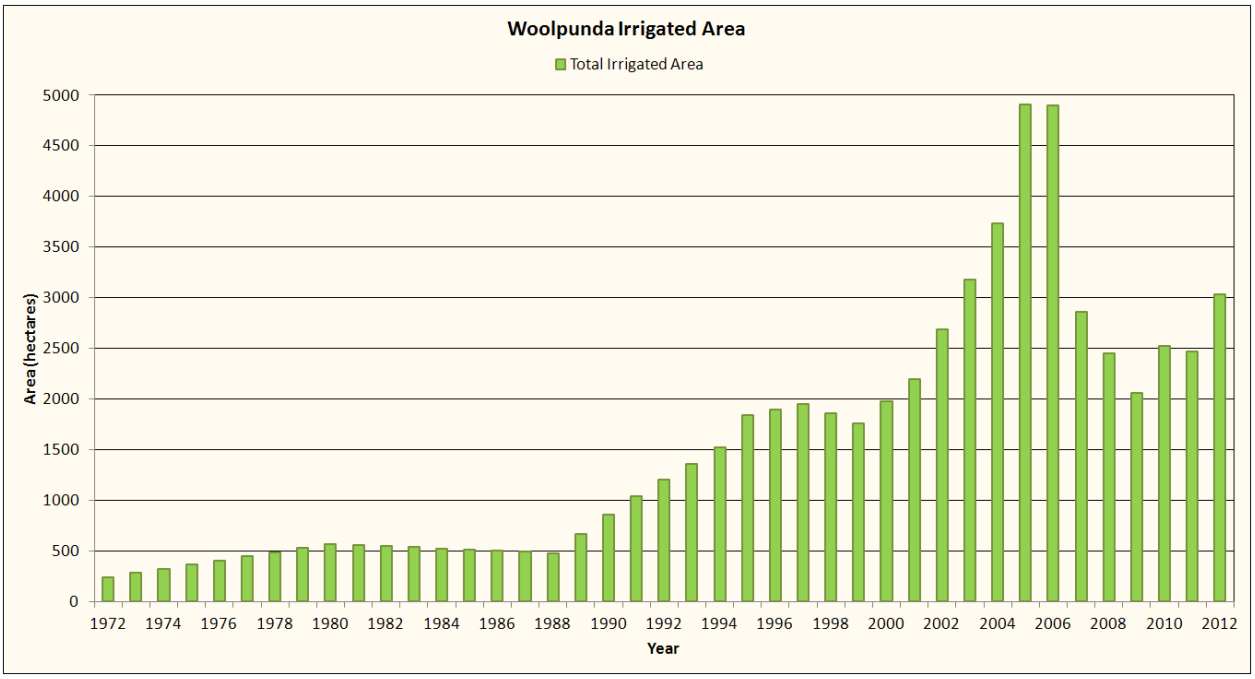

Figure 23 Total Irrigated Area (Permanent and Temporary)

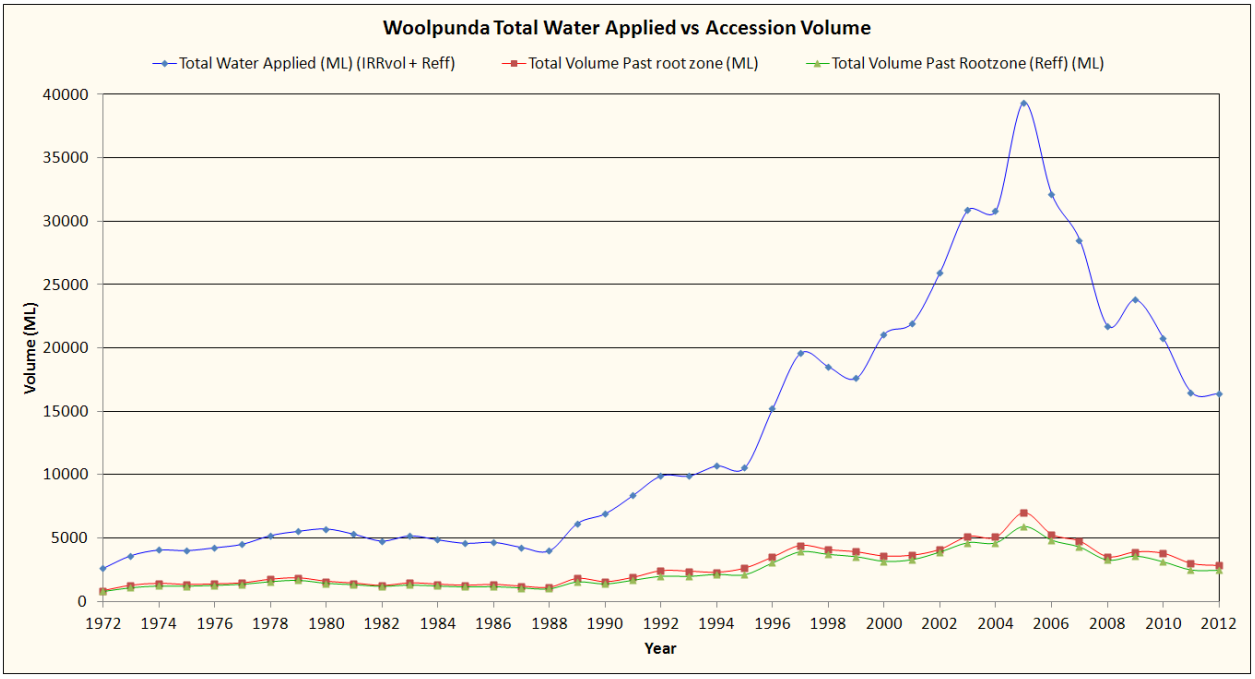

Figure 24 Estimated Groundwater Accessions Using Total Area

Where mapped irrigated area was available, permanent and temporary plantings have been differentiated. While it was not possible to align the actual pumped volumes with these areas, it was possible to split the calculations into permanent and temporary irrigation, based on assumed application and efficiency rates. The groundwater accession calculation tables are at Appendix B to D.

Table 2 Area of Temporary and Permanent Irrigation at Woolpunda

Year	Temporary	Permanent	Total
1988	144	335	479
1991	166	878	1044
1992			
1993			
1994			
1995	855	983	1838
1996			
1997	512	1439	1951
1998			
1999	200	1560	1760
2000			
2001	402	1795	2197
2002			
2003	1237	1940	3177
2004	1709	2019	3728
2005	2802	2103	4905
2006	2778	2123	4901
2007	753	2111	2864
2008	394	2053	2447
2009	32	2031	2063
2010	517	2003	2520
2011	487	1980	2466
2012	1035	2000	3036

Figure 25 to Figure 27 compares the irrigated area, total water applied and estimated groundwater accessions for total irrigated area, permanent irrigation and temporary irrigation.

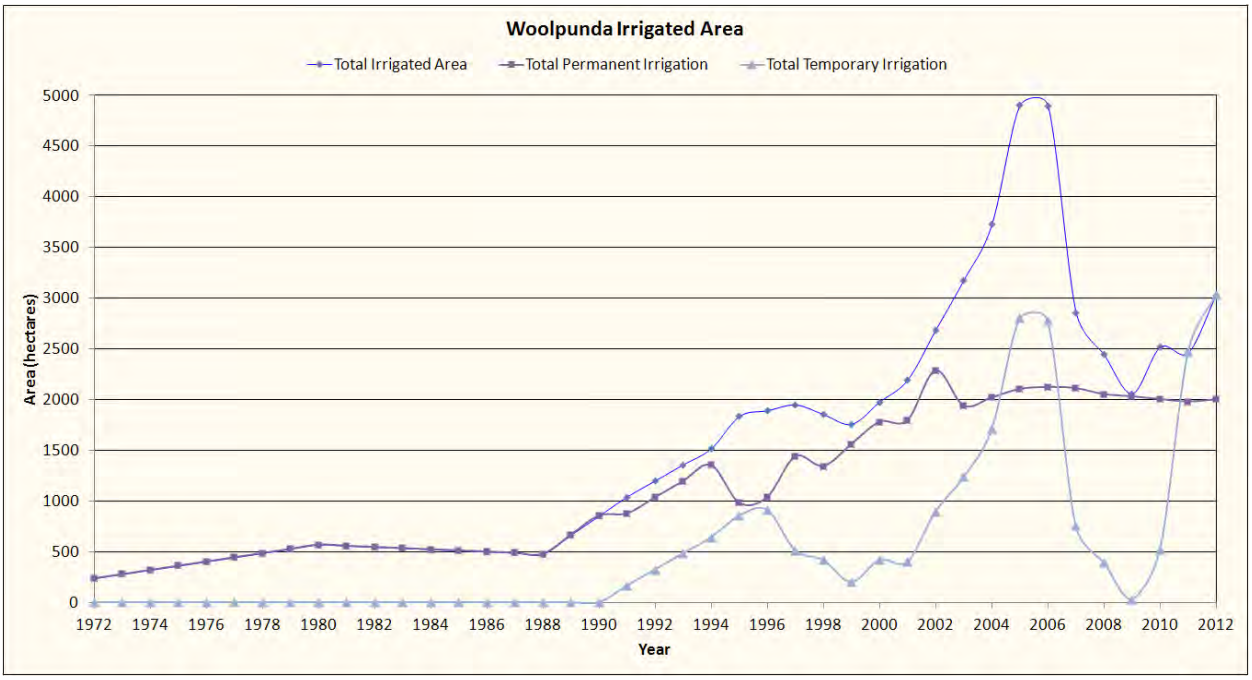

Figure 25 Irrigated Area - total vs permanent vs temporary plantings

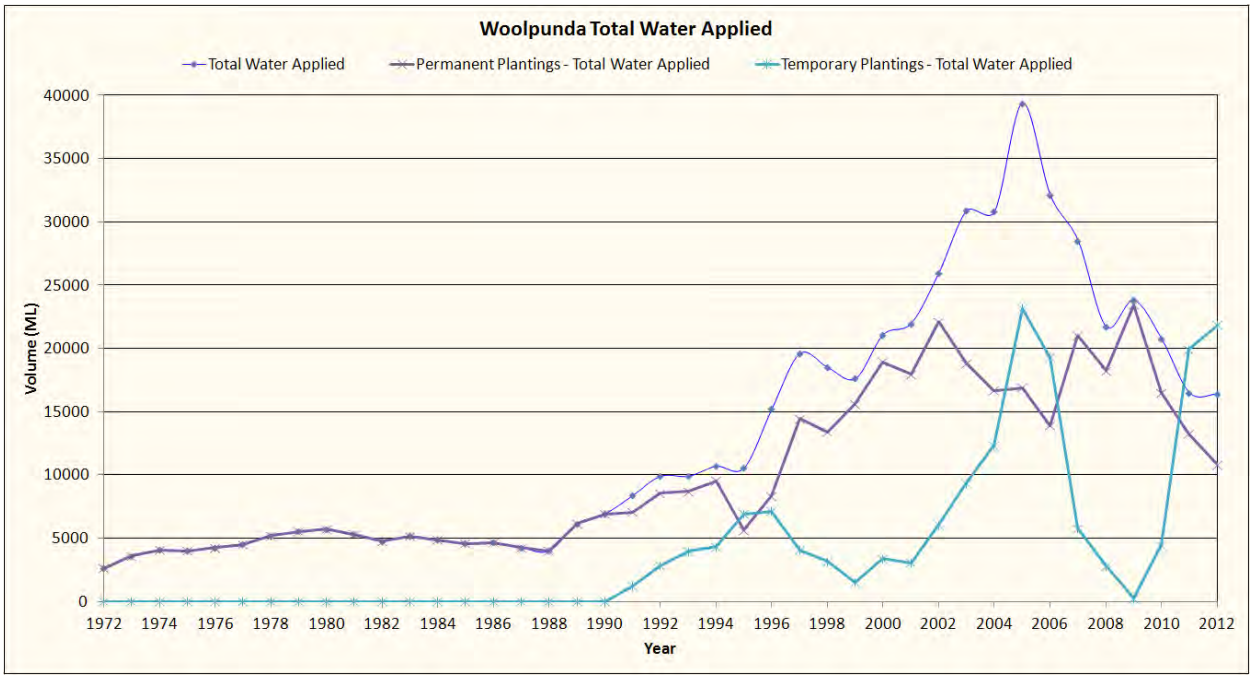

Figure 26 Water Applied - total vs permanent vs temporary

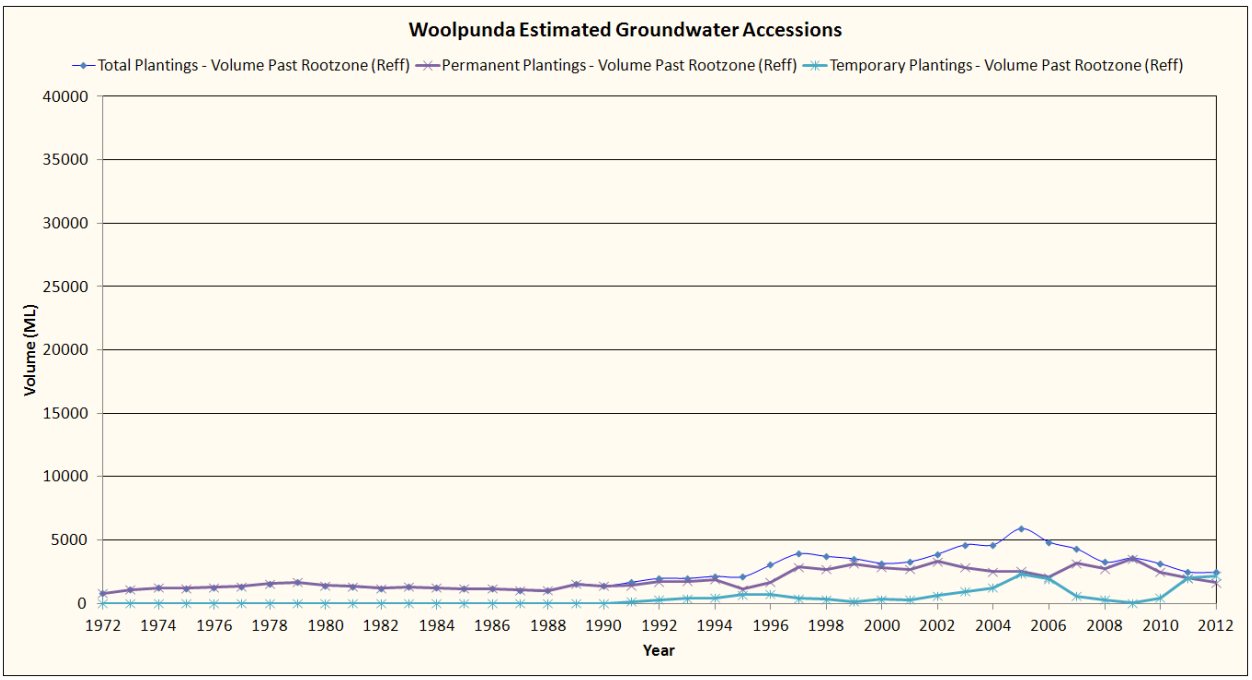

Figure 27 Estimated Groundwater Accessions - total vs permanent vs temporary

6. CONCLUSIONS

Irrigation accessions have been estimated for the Woolpunda area since the inception of irrigation to 2012.

The methodology utilised has built on a previous model developed in the Loxton-Bookpurnong region and has been tailored specifically for the Woolpunda project area taking into account factors such as:

- inception of irrigation and irrigation crop areas and types;
- anticipated pumped volumes, water applied and levels of irrigation efficiency;
- trends across years in levels of water applied; and
- rainfall and its effectiveness.

The margin of error of the methodology is estimated to be +/- 25% due to inaccuracies in estimating data particularly interpolating between significant data gaps for crop areas.

The model was run using Total and Effective Rainfall, which accounts for evaporative losses of rainfall, however this did not significantly impact on the result, as it did not change the results more than the estimated margin of error.

Irrigation accessions generally peaked in 2005, coinciding with the peak in irrigated area. While it can be seen that the area of permanent irrigation remained fairly constant, the volume applied to permanent irrigation reduced during the mid 2000s, coinciding with reduced water allocations. This results in a dip in groundwater accessions for permanent plantings while the temporary pivot irrigation appears to have peaked in 2005 and then sharply declines as the 4% allocation of July 2007 comes into effect.

7. RECOMMENDATIONS

A number of recommendations are made below to facilitate future modelling of irrigation accessions:

- maintain accurate records of crop area/type to underpin future groundwater model development and resource managements;
- ensure that estimates of irrigation intensities and irrigation efficiencies are measured for future irrigation development;
- maintain an annual water use reporting process for River Murray irrigators including measuring annual water use and linking to crop areas to facilitate data inputs for irrigation accession models; and
- encourage further investigation/research into the contribution of irrigation and rainfall to irrigation accessions.

APPENDIX A: T. MEISSNER REPORT

ESTIMATION OF ACCESSION VOLUMES OF THE WOOLPUNDA IRRIGATION AREAS

TONY MEISSNER

October 2012

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Loxton SA 5333
abn: 93 445 747 930

Introduction

Laroona Environmetrics (LE) was contracted by the Department for Environment, Water and Natural resources to check historical irrigation data for calculating the volume of accessions to the regional groundwater to support the Woolpunda Groundwater Model. The task is similar to that which LE was engaged to assess the input parameters in the Waikerie Model (Meissner, 2011). The tasks agreed were:

- *Review irrigated area, irrigation application rates, volumes pumped, and irrigation efficiency use to estimate accessions to groundwater*
- *Review whether it is necessary to treat areas that are irrigated by centre pivot systems in a different manner than other irrigation systems, and*
- *Provide a report of the reviews*

The Woolpunda Groundwater Model covers the area of the Woolpunda LWMP (now incorporated into Taylorville LWMP) that extended to the east of the Waikerie North sub-area[1] to Lock 3 on the north side of the river and on the southern side, east of the Holder Irrigation Area (I.A.) to the irrigation area west of the Kingston I.A. These areas did not have open concrete/lime mortar channels for delivery of irrigation water and all are under private irrigation licences.

1. Methods Used

1.1. Description of Data

The data for confirmation of accessions in the Woolpunda model area were sent by the client in an Excel 2010 spreadsheet. The spreadsheet was copied to preserve the original file[2]. The spreadsheet contained the following variables: Irrigated area, Pumped Volumes, Rainfall and estimated water use efficiency (or field application efficiency) that required checking as well as derived values. These data are used to calculate accession volumes that support or inform recharge for the groundwater model of the area. In addition, a database of areas, crop type and irrigation systems (ACI dBMS) was sent to investigate whether there is a method of better accounting for the impact of Centre Pivot irrigation compared with other irrigation equipment types, e.g. drip irrigation is needed.

The irrigation spreadsheet has irrigation starting in 1972, although I am aware that there was some irrigation in the area prior to that. The irrigation footprint was less than 500

1 Waikerie North was part of the Waikerie GW Model

2 *"C:\Users\TonyM\Laroona Consulting\WoolpundaModel\Woolpunda_accessions_le.xlsx"*

hectares (ha) up to 1990 and steadily increased until the mid 2000s to almost 5,000 ha and then declined due to restrictions on taking of water from the River Murray. Years in which areas were estimated by imagery include: 1972 and 1980 (satellite imagery), 1988, 1995, 1997, 1999 and 2001 (mapped from aerial photography and then digitised). Irrigation surveys occurred annually or biannually from 2002/03 until 2007/08. In the absence of complete surveys PIRSA mapped non-irrigated areas in January 2008, 2009, 2010 and 2011 and the South Australian Murray-Darling Basin Natural Resources Management Board conducted a full survey of the Taylorville LWMP in 2011/12 (northern side of River Murray from Lock 3 to Morgan).

Pumped Irrigation Volumes (PIV) were sourced from the Department for Environment, Water and Natural Resources and its predecessor's water licensing systems. These records were from 1992-03 until 2011-12. Rainfall data were derived from Bureau of Meteorology records for Waikerie from 1972 until 2012. The minimum rainfall was 95 mm in 1982 and a maximum in 1972 of 521 mm.

The major crops at 2010/11 for the Taylorville LWMP (an area that encompasses the area north of the river from Lock 3 and extends to Morgan) were vines (37%), root vegetables (29%), nut trees (18%) and citrus fruit (9%) (Sparrow, 2012). The major irrigation systems were: Drip at thirty nine percent followed by Under Canopy system including microsprinkler systems (29%). Centre Pivot systems made up 27% of the all irrigation systems used. Data extracted from the ACI dBMS gave Centre Pivot systems as making up 20% of irrigation systems compared to 55% for Drip systems in the Woolpunda area.

It is assumed the area and rainfall data were for calendar years and PIV from 1992 onwards was for irrigation years[3]. This will give slightly different accession results if the calculations were either all strictly calendar or financial years. Without a data set that is provided in one form or the other then it is difficult to estimate what the difference would be.

1.2. Imputing Missing Data

Data that has not been measured is data that is designated as missing or not available. These data are required to be estimated in some way either by extrapolation from known measured values or from experience and knowledge of that variable for which there is missing data.

AREA Missing values for area data were estimated by linear extrapolation from measured

3 An irrigation year extends from July 1 of a year until June 30 of the following year analogous to a financial year

points. Hence, if the area (a_1) was measured in year 1 (y_1) and then again some years later (a_2 and y_2), then the area (a_i) in the ith year (y_i) can be calculated by:

$$a_i = \frac{(a_2 - a_1)}{(y_2 - y_1)} * y_i$$

On the spreadsheet the measured area values are shown in **bold** and calculated values in normal font. There are two exceptions to this and those values are highlighted in green and will be explained in the text further down.

PUMPED VOLUMES Pumped volumes had no measured values before 1992 and hence these values need to be estimated. Ordinarily, where there are both area and volumes, the rate per hectare can be calculated by:

$$rate = \frac{Pumped\,Volume}{Irrigated\ Area}$$

However, these also need to be estimated from 1972 – 1991. Once these were estimated (see below) pumped volumes can be calculated by the following formula:

$$Pumped\,Volume = rate * Irrigated\ Area$$

APPLICATION RATE (ML/ha) For the missing rate values these were estimated from knowledge of likely application rates. Newman et.al. (2010) provided estimated application rates of 10 ML/ha for the decades of 60s through to the 80s. However, from 1992 onwards the average application rate was 6.8 ML/ha. From experience and knowledge of local irrigator behaviour the rates vary little from year to year and any change is gradual. Therefore to apply a rate of 10 ML/ha from 1972 to 1991 is not consistent with irrigator behaviour. To allow for a gradual change the application rates were calculated by linear extrapolation from 10 ML/ha to 7 ML/ha (Col. Q in spreadsheet file "*Woolpunda_accessions_le.xlsx"*). These values were then used to estimate the Pumped volumes.

There were two exceptions to the calculations above. In 1999 and 2001 the measured areas, 1761 and 2198 ha respectively, gave respective application rates of 13.3 and 11.6 ML/ha, which were much higher than the 8.4 and 8.6 ML/ha for the preceding years 1998 and 2000. These two rates in 1999 and 2001 were considered as spurious and I then made the assumption that there was no error in the Pumped Volume measurements and the areas were. On this basis, the areas for 1999 and 2001 were adjusted. These are highlighted in green (rows 29 & 31) in the spreadsheet.

Rainfall in millimetres (mm) were converted to volumes by multiplying by the area to give ML/ha. These rainfall volumes were added to the PIV for a Total Application Volume (TAV). There were two versions of the TAV, one that included all the rainfall (col. J) and col. K

added 60% of the rainfall as being effective (Dastane 1978). There has been no critical evaluation of the 60% value carried out for Australian conditions, particularly for semi-arid environments. In my view, even small amounts of rainfall are effective as they decrease the plant's need to take water from the soil to keep it cool. So 1 mm of rain falling on plant surfaces is evaporated keeping the plant cool for that period as it does not need to draw water from the soil.

FIELD APPLICATION EFFICIENCY Field Application Efficiency (FAE) indicates how much of the applied water is used by the plants from evapotranspiration. FAE is very difficult to measure and generally estimated from research measurements and other reasoned estimation of the likely figures was historically and currently. The values used have been taken from Newman et.al. (2010) for the Woolpunda area and range from 0.70 (or 70% efficiency) in 1972 to 85% from 2000 onward (col. I). No adjustments to these figures were made. Percent drainage or accessions losses are *1 – FAE*.

2. Calculation of Accessions

Accession losses were calculated by multiplying the Application Volume by *1 – FAE (cols. J & K).* Accession losses ranged from 782 ML/ha in 1972 to 5893 in 2005 (Effective rainfall – col. K). These values are plotted and shown in the worksheet "Accessions". As can be seen there are small differences in accessions between accounting for all rainfall and 60% effective rainfall (R_{eff}) and probably are within the error estimates of calculating drainage/accession volumes. Accessions estimated from (R_{eff}) range between 80% and 96% with a mean of 89%. Likely errors are conservatively estimated at ±10% considering that FAE, application rate and effective rainfall are likely to have similar error bounds.

Review of Centre Pivot Impact on Calculations

The ACI dBMS was used to extract irrigated area by irrigation system and years. These values were exported to a spreadsheet where irrigation system type and crop type were edited to eliminate variations of crop type and system type descriptions and amalgamate similar crops and systems. A pivot table was created of year by irrigation systems summing the areas under each combination. To this table was added the PIV data. The data from this spreadsheet was read into a statistical analysis program for exploration of relationships between centre pivot irrigation system and other fixed systems. The basic premise was if the mean application rate for Centre Pivots and fixed irrigation systems (non pivot systems) could be calculated.

If this approach proved satisfactory or showed promise then maybe the calculations of accessions could be modified to adjust how much water was going to deep drainage or draining past the root zone of crops for the two irrigation system categories.

2.1. Results

Figure 28 shows the plot of the areas for each major irrigation system and the total area. In the last ten years the area irrigated by fixed irrigation systems of Drip, Overhead, and Under Canopy have shown little change. As Centre Pivot Systems[4] can easily be moved between different patches of irrigated ground, it is easier to adjust to market demands as well as restrictions on the use of water. Hence, the changes in total area irrigated have been a result of the changes in irrigated area under pivot systems.

By regressing area irrigated by the various systems against PIV, the regression coefficients that are derived can be interpreted as mean application rates[5] over the ten years of data. The non-pivot systems were combined into a single variable – non-pivot. The regression equation is:

$$Pumped\ Volume = r_1 * pivot_{area} + r_2 * nonpivot_{area}$$

The result of the regression analysis gave r_1 = 3.9 ML/ha and r_2 = 8.2 ML/ha. The Centre Pivot value is lower than what is expected and the non-pivot coefficient re about what was expected. Because there was only ten points these coefficients should be viewed with caution. If we plot the two variables against PIV we see that the pivot points appear to follow a curvilinear path (Figure 29) and therefore the coefficients derived are not an accurate estimate of mean rates. The curvilinear nature of the pivot data would compromise the estimate of the non-pivot coefficient. For this reason, it is not recommended to use the derived coefficients to adjust the calculations.

An attempt was made the use individual irrigator data but there were missing values for licence numbers and the irrigation system area information was not consistent with the crop use data. Because of this the area data would not accurately reflect the volume of water used. Further analysis was not attempted for the reasons above.

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4 Centre Pivot Systems include travelling irrigators or linear move systems

5 application rate x area = volume applied. Area and volume are known.

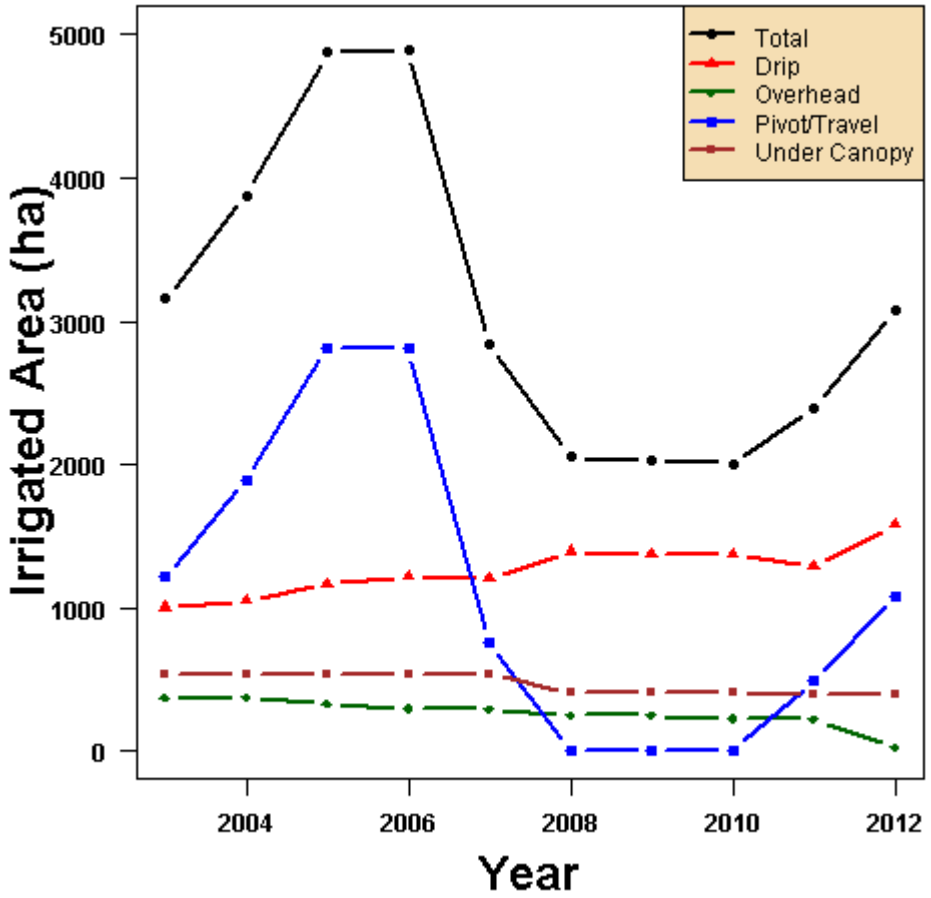

Figure 28 Area irrigated by major irrigation systems from 2002-03 to 2011-12

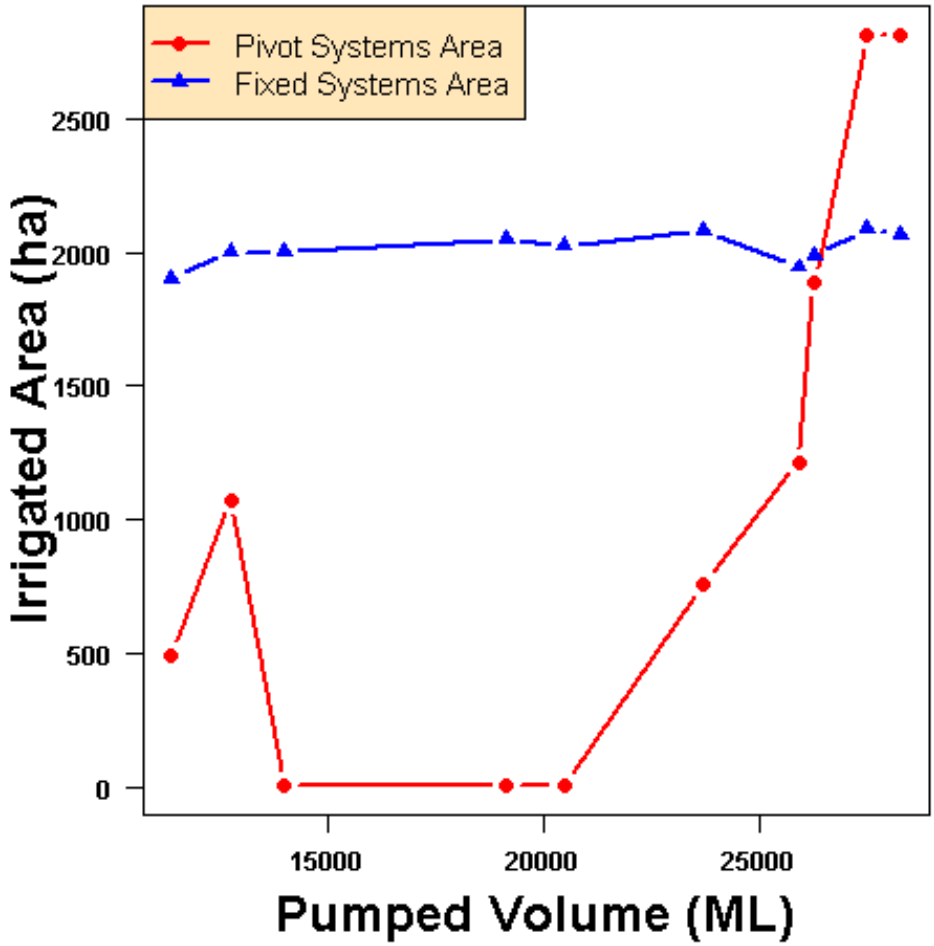

Figure 29 Area irrigated by pivot and fixed systems versus pumped volumes from 2002-03 to 2011-12

3. References

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Meissner, A.P. (2011) Estimation of Accession Volumes of the Cadell, Qualco-Sunlands and Waikerie Irrigations Areas. Report to Department for Water. Laroona Environmetrics

Newman R, Adams A., Passfield G., and Meissner T. (2010) *Estimating Mallee Rootzone Drainage.* Report of MDBA Project MD1616.

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APPENDIX B: TABLE SUPPLIED TO T. MEISSNER

Year	Irrigation Area (ha)	Pumped Volumes (ML)	Pumped Volume Rate (ML/ha)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML)	Application Efficiency	Volume Past root zone (ML)	Volume Past Rootzone (R_{eff}) (ML)	Irrigation Application (ML/Ha)	Total Application (ML/Ha)	Accession (ML/Ha)	Accession (R_{eff}) ML/ha	Accession (R_{eff})/Accession	Accession / Total Water Applied (%)	Application Rate ML/Ha
1972	**238**	2380	10.0	160	382	2762	0.70	828	783	10.0	11.6	3.5	3.3	94.5%	30.0%	10
1973	280	2795	10.0	521	1457	4252	0.70	1276	1101	10.0	15.2	4.6	3.9	86.3%	30.0%	10
1974	321	3210	10.0	504	1616	4826	0.70	1448	1254	10.0	15.0	4.5	3.9	86.6%	30.0%	10
1975	363	3625	10.0	274	993	4618	0.70	1385	1266	10.0	12.7	3.8	3.5	91.4%	30.0%	10
1976	404	4040	10.0	206	833	4873	0.70	1462	1362	10.0	12.1	3.6	3.4	93.2%	30.0%	10
1977	446	4455	10.0	179	797	5252	0.70	1576	1480	10.0	11.8	3.5	3.3	93.9%	30.0%	10
1978	487	4870	10.0	298	1451	6321	0.70	1896	1722	10.0	13.0	3.9	3.5	90.8%	30.0%	10
1979	529	5285	10.0	296	1562	6847	0.70	2054	1867	10.0	13.0	3.9	3.5	90.9%	30.0%	10
1980	**570**	5700	10.0	254	1448	7148	0.75	1787	1642	10.0	12.5	3.1	2.9	91.9%	25.0%	10
1981	559	5586	10.0	192	1074	6660	0.75	1665	1558	10.0	11.9	3.0	2.8	93.6%	25.0%	10
1982	547	5473	10.0	95	518	5991	0.75	1498	1446	10.0	10.9	2.7	2.6	96.5%	25.0%	10
1983	536	5359	10.0	282	1512	6870	0.75	1718	1566	10.0	12.8	3.2	2.9	91.2%	25.0%	10
1984	525	5245	10.0	249	1304	6549	0.75	1637	1507	10.0	12.5	3.1	2.9	92.0%	25.0%	10
1985	513	5131	10.0	223	1144	6275	0.75	1569	1454	10.0	12.2	3.1	2.8	92.7%	25.0%	10
1986	502	5018	10.0	316	1585	6602	0.75	1651	1492	10.0	13.2	3.3	3.0	90.4%	25.0%	10
1987	490	4904	10.0	245	1201	6105	0.75	1526	1406	10.0	12.4	3.1	2.9	92.1%	25.0%	10
1988	**479**	4790	10.0	217	1039	5829	0.75	1457	1353	10.0	12.2	3.0	2.8	92.9%	25.0%	10
1989	673	6731	10.0	393	2645	9376	0.75	2344	2080	10.0	13.9	3.5	3.1	88.7%	25.0%	10
1990	867	8673	10.0	234	2029	10702	0.80	2140	1978	10.0	12.3	2.5	2.3	92.4%	20.0%	10
1991	1061	10614	10.0	254	2691	13305	0.80	2661	2446	10.0	12.5	2.5	2.3	91.9%	20.0%	10
1992	1256	**6624**	5.3	454	5703	12327	0.80	2465	2009	5.3	9.8	2.0	1.6	81.5%	20.0%	10
1993	1450	**6902**	4.8	366	5309	12211	0.80	2442	2017	4.8	8.4	1.7	1.4	82.6%	20.0%	10
1994	1644	**9533**	5.8	127	2079	11612	0.80	2322	2156	5.8	7.1	1.4	1.3	92.8%	20.0%	10
1995	**1838**	**6697**	3.6	350	6427	13125	0.80	2625	2111	3.6	7.1	1.4	1.1	80.4%	20.0%	10
1996	1895	**11772**	6.2	303	5748	17520	0.80	3504	3044	6.2	9.2	1.8	1.6	86.9%	20.0%	10
1997	**1951**	**15811**	8.1	322	6272	22083	0.80	4417	3915	8.1	11.3	2.3	2.0	88.6%	20.0%	10
1998	1856	**15623**	8.4	259	4798	20421	0.80	4084	3700	8.4	11.0	2.2	2.0	90.6%	20.0%	10
1999	**1761**	**23385**	13.3	276	4864	28249	0.80	5650	5261	13.3	16.0	3.2	3.0	93.1%	20.0%	10
2000	1980	**16955**	8.6	348	6889	23844	0.85	3577	3163	8.6	12.0	1.8	1.6	88.4%	15.0%	8
2001	**2198**	**25459**	11.6	263	5772	31231	0.85	4685	4338	11.6	14.2	2.1	2.0	92.6%	15.0%	8
2002	2690	**23831**	8.9	133	3572	27402	0.85	4110	3896	8.9	10.2	1.5	1.4	94.8%	15.0%	8
2003	**3181**	**25892**	8.1	262	8321	34213	0.85	5132	4633	8.1	10.8	1.6	1.5	90.3%	15.0%	8
2004	**3878**	**26242**	6.8	204	7926	34167	0.85	5125	4650	6.8	8.8	1.3	1.2	90.7%	15.0%	8
2005	**4874**	**28235**	5.8	378	18423	46658	0.85	6999	5893	5.8	9.6	1.4	1.2	84.2%	15.0%	8
2006	**4896**	**27461**	5.6	158	7746	35207	0.85	5281	4816	5.6	7.2	1.1	1.0	91.2%	15.0%	8
2007	**3136**	**23692**	7.6	280	8786	32478	0.85	4872	4345	7.6	10.4	1.6	1.4	89.2%	15.0%	8
2008	**2570**	**19126**	7.4	177	4554	23680	0.85	3552	3279	7.4	9.2	1.4	1.3	92.3%	15.0%	8
2009	**2548**	**20454**	8.0	270	6879	27334	0.85	4100	3687	8.0	10.7	1.6	1.4	89.9%	15.0%	8
2010	**2522**	**13981**	5.5	448	11293	25273	0.85	3791	3113	5.5	10.0	1.5	1.2	82.1%	15.0%	8
2011	**2471**	**11377**	4.6	346	8551	19928	0.85	2989	2476	4.6	8.1	1.2	1.0	82.8%	15.0%	8

APPENDIX C: TABLE RETURNED FROM T. MEISSNER

Year	Irrigation Area (ha)	Pumped Volumes (ML)	Pumped Volume Rate (ML/ha)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML) (IRR_{vol} + R)	Total Water Applied (ML) (IRRvol + R_{eff})	Application Efficiency	Total Volume Past root zone (ML)	Total Volume Past Rootzone (R_{eff}) (ML)	Irrigation Application (ML/Ha)	Total Application (ML/Ha)	Accession (ML/Ha)	Accession (R_{eff}) ML/ha	Accession (R_{eff})/ Accession	Accession / Total Water Applied (%)	Application Rate ML/Ha
1972	**238**	2378	10.0	160	382	2759	2607	0.70	828	782	10.0	11.6	3.5	3.3	94.5%	28.3%	10.0
1973	280	2741	9.8	521	1457	4198	3615	0.70	1259	1085	9.8	15.0	4.5	3.9	86.1%	25.8%	9.8
1974	321	3089	9.6	504	1616	4705	4059	0.70	1412	1218	9.6	14.7	4.4	3.8	86.3%	25.9%	9.6
1975	363	3422	9.4	274	993	4414	4017	0.70	1324	1205	9.4	12.2	3.7	3.3	91.0%	27.3%	9.4
1976	404	3739	9.3	206	833	4572	4239	0.70	1372	1272	9.3	11.3	3.4	3.1	92.7%	27.8%	9.3
1977	446	4041	9.1	179	797	4838	4520	0.70	1452	1356	9.1	10.9	3.3	3.0	93.4%	28.0%	9.1
1978	487	4328	8.9	298	1451	5780	5199	0.70	1734	1560	8.9	11.9	3.6	3.2	90.0%	27.0%	8.9
1979	529	4600	8.7	296	1562	6162	5538	0.70	1849	1661	8.7	11.7	3.5	3.1	89.9%	27.0%	8.7
1980	**570**	4857	8.5	254	1448	6305	5726	0.75	1576	1431	8.5	11.1	2.8	2.5	90.8%	22.7%	8.5
1981	559	4657	8.3	192	1074	5731	5301	0.75	1433	1325	8.3	10.3	2.6	2.4	92.5%	23.1%	8.3
1982	547	4462	8.2	95	518	4980	4773	0.75	1245	1193	8.2	9.1	2.3	2.2	95.8%	24.0%	8.2
1983	536	4271	8.0	282	1512	5782	5178	0.75	1446	1294	8.0	10.8	2.7	2.4	89.5%	22.4%	8.0
1984	525	4084	7.8	249	1304	5388	4866	0.75	1347	1216	7.8	10.3	2.6	2.3	90.3%	22.6%	7.8
1985	513	3901	7.6	223	1144	5045	4587	0.75	1261	1147	7.6	9.8	2.5	2.2	90.9%	22.7%	7.6
1986	502	3722	7.4	316	1585	5307	4673	0.75	1327	1168	7.4	10.6	2.6	2.3	88.1%	22.0%	7.4
1987	490	3548	7.2	245	1201	4749	4268	0.75	1187	1067	7.2	9.7	2.4	2.2	89.9%	22.5%	7.2
1988	**479**	3377	7.1	217	1039	4417	4001	0.75	1104	1000	7.1	9.2	2.3	2.1	90.6%	22.6%	7.1
1989	672	4618	6.9	393	2642	7260	6203	0.75	1815	1551	6.9	10.8	2.7	2.3	85.4%	21.4%	6.9
1990	866	5787	6.7	234	2026	7813	7003	0.80	1563	1401	6.7	9.0	1.8	1.6	89.6%	17.9%	6.7
1991	1059	6885	6.5	254	2685	9571	8497	0.80	1914	1699	6.5	9.0	1.8	1.6	88.8%	17.8%	6.5
1992	1253	**6624**	5.3	454	5690	12314	10038	0.80	2463	2008	5.3	9.8	2.0	1.6	81.5%	16.3%	5.3
1993	1446	**6902**	4.8	366	5296	12198	10079	0.80	2440	2016	4.8	8.4	1.7	1.4	82.6%	16.5%	4.8
1994	1640	**9533**	5.8	127	2074	11607	10777	0.80	2321	2155	5.8	7.1	1.4	1.3	92.9%	18.6%	5.8
1995	**1833**	**6697**	3.7	350	6410	13107	10543	0.80	2621	2109	3.7	7.2	1.4	1.2	80.4%	16.1%	3.7
1996	1892	**11772**	6.2	303	5740	17513	15217	0.80	3503	3043	6.2	9.3	1.9	1.6	86.9%	17.4%	6.2
1997	**1951**	**15811**	8.1	322	6272	22083	19574	0.80	4417	3915	8.1	11.3	2.3	2.0	88.6%	17.7%	8.1
1998	2356	**15623**	6.6	259	6090	21713	19277	0.80	4343	3855	6.6	9.2	1.8	1.6	88.8%	17.8%	6.6
1999	**2761**	**23385**	8.5	276	7626	31011	27960	0.80	6202	5592	8.5	11.2	2.2	2.0	90.2%	18.0%	8.5
2000	2980	**16955**	5.7	348	10369	27324	23177	0.85	4099	3476	5.7	9.2	1.4	1.2	84.8%	12.7%	5.7
2001	**3198**	**25459**	8.0	263	8398	33857	30498	0.85	5079	4575	8.0	10.6	1.6	1.4	90.1%	13.5%	8.0
2002	3178	**23831**	7.5	133	4221	28051	26363	0.85	4208	3954	7.5	8.8	1.3	1.2	94.0%	14.1%	7.5
2003	**3158**	**25892**	8.2	262	8262	34154	30849	0.85	5123	4627	8.2	10.8	1.6	1.5	90.3%	13.5%	8.2
2004	**3878**	**26242**	6.8	204	7927	34168	30998	0.85	5125	4650	6.8	8.8	1.3	1.2	90.7%	13.6%	6.8
2005	**4874**	**28235**	5.8	378	18424	46659	39289	0.85	6999	5893	5.8	9.6	1.4	1.2	84.2%	12.6%	5.8
2006	**4896**	**27461**	5.6	158	7745	35207	32108	0.85	5281	4816	5.6	7.2	1.1	1.0	91.2%	13.7%	5.6
2007	**2046**	**23692**	11.6	280	5733	29425	27132	0.85	4414	4070	11.6	14.4	2.2	2.0	92.2%	13.8%	11.6
2008	**2024**	**19126**	9.4	177	3587	22713	21278	0.85	3407	3192	9.4	11.2	1.7	1.6	93.7%	14.1%	9.4
2009	**1998**	**20454**	10.2	270	5395	25849	23691	0.85	3877	3554	10.2	12.9	1.9	1.8	91.7%	13.7%	10.2
2010	**1982**	**13981**	7.1	448	8875	22856	19306	0.85	3428	2896	7.1	11.5	1.7	1.5	84.5%	12.7%	7.1
2011	**3040**	**11377**	3.7	346	10521	21899	17690	0.85	3285	2654	3.7	7.2	1.1	0.9	80.8%	12.1%	3.7
2012	**3027**	**12744**	4.2	**200**	6054	18798	16376	0.85	2820	2456	4.2	6.2	0.9	0.8	87.1%	13.1%	4.2

APPENDIX D: AMENDED (FINAL) TABLES

TOTAL (PERMANENT + TEMPORARY)

Year	Irrigation Area (ha)	Pumped Volumes (ML)	Pumped Volume Rate (ML/ha)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML) (IRR_{vol} + R)	Total Water Applied (ML) (IRRvol + R_{eff})	Application Efficiency	Total Volume Past root zone (ML)	Total Volume Past Rootzone (R_{eff}) (ML)	Irrigation Application (ML/Ha)	Total Application (ML/Ha)	Accession (ML/Ha)	Accession (R_{eff}) ML/ha	Accession (R_{eff})/ Accession	Accession / Total Water Applied (%)	Application Rate ML/Ha
1972	**238**	2378	10.0	160	382	2759	2607	0.70	828	782	10.0	11.6	3.5	3.3	94.5%	28.3%	10.0
1973	280	2741	9.8	521	1457	4198	3615	0.70	1259	1085	9.8	15.0	4.5	3.9	86.1%	25.8%	9.8
1974	321	3089	9.6	504	1616	4705	4059	0.70	1412	1218	9.6	14.7	4.4	3.8	86.3%	25.9%	9.6
1975	363	3422	9.4	274	993	4414	4017	0.70	1324	1205	9.4	12.2	3.7	3.3	91.0%	27.3%	9.4
1976	404	3739	9.3	206	833	4572	4239	0.70	1372	1272	9.3	11.3	3.4	3.1	92.7%	27.8%	9.3
1977	446	4041	9.1	179	797	4838	4520	0.70	1452	1356	9.1	10.9	3.3	3.0	93.4%	28.0%	9.1
1978	487	4328	8.9	298	1451	5780	5199	0.70	1734	1560	8.9	11.9	3.6	3.2	90.0%	27.0%	8.9
1979	529	4600	8.7	296	1562	6162	5538	0.70	1849	1661	8.7	11.7	3.5	3.1	89.9%	27.0%	8.7
1980	**570**	4857	8.5	254	1448	6305	5726	0.75	1576	1431	8.5	11.1	2.8	2.5	90.8%	22.7%	8.5
1981	559	4657	8.3	192	1074	5731	5301	0.75	1433	1325	8.3	10.3	2.6	2.4	92.5%	23.1%	8.3
1982	547	4462	8.2	95	518	4980	4773	0.75	1245	1193	8.2	9.1	2.3	2.2	95.8%	24.0%	8.2
1983	536	4271	8.0	282	1512	5782	5178	0.75	1446	1294	8.0	10.8	2.7	2.4	89.5%	22.4%	8.0
1984	525	4084	7.8	249	1304	5388	4866	0.75	1347	1216	7.8	10.3	2.6	2.3	90.3%	22.6%	7.8
1985	513	3901	7.6	223	1144	5045	4587	0.75	1261	1147	7.6	9.8	2.5	2.2	90.9%	22.7%	7.6
1986	502	3722	7.4	316	1585	5307	4673	0.75	1327	1168	7.4	10.6	2.6	2.3	88.1%	22.0%	7.4
1987	490	3548	7.2	245	1201	4749	4268	0.75	1187	1067	7.2	9.7	2.4	2.2	89.9%	22.5%	7.2
1988	**479**	3377	7.1	217	1039	4417	4001	0.75	1104	1000	7.1	9.2	2.3	2.1	90.6%	22.6%	7.1
1989	667	4583	6.9	393	2622	7205	6156	0.75	1801	1539	6.9	10.8	2.7	2.3	85.4%	21.4%	6.9
1990	856	5719	6.7	234	2002	7721	6920	0.80	1544	1384	6.7	9.0	1.8	1.6	89.6%	17.9%	6.7
1991	**1044**	6786	6.5	254	2647	9433	8374	0.80	1887	1675	6.5	9.0	1.8	1.6	88.8%	17.8%	6.5
1992	1203	**6624**	5.5	454	5463	12087	9902	0.80	2417	1980	5.5	10.0	2.0	1.6	81.9%	16.4%	5.5
1993	1362	**6902**	5.1	366	4986	11888	9893	0.80	2378	1979	5.1	8.7	1.7	1.5	83.2%	16.6%	5.1
1994	1520	**9533**	6.3	127	1923	11456	10687	0.80	2291	2137	6.3	7.5	1.5	1.4	93.3%	18.7%	6.3
1995	**1838**	**6697**	3.6	350	6427	13125	10554	0.80	2625	2111	3.6	7.1	1.4	1.1	80.4%	16.1%	3.6
1996	1895	**11772**	6.2	303	5748	17520	15221	0.80	3504	3044	6.2	9.2	1.8	1.6	86.9%	17.4%	6.2
1997	**1951**	**15811**	8.1	322	6272	22083	19574	0.80	4417	3915	8.1	11.3	2.3	2.0	88.6%	17.7%	8.1
1998	1856	**15623**	8.4	259	4798	20421	18502	0.80	4084	3700	8.4	11.0	2.2	2.0	90.6%	18.1%	8.4
1999	**1761**	14693	8.3	276	4864	19557	17612	0.80	3911	3522	8.3	11.1	2.2	2.0	90.1%	18.0%	8.3
2000	1980	**16955**	8.6	348	6889	23844	21089	0.85	3577	3163	8.6	12.0	1.8	1.6	88.4%	13.3%	8.6
2001	**2198**	18502	8.4	263	5772	24274	21966	0.85	3641	3295	8.4	11.0	1.7	1.5	90.5%	13.6%	8.4
2002	2690	**23831**	8.9	133	3572	27402	25974	0.85	4110	3896	8.9	10.2	1.5	1.4	94.8%	14.2%	8.9
2003	**3181**	**25892**	8.1	262	8321	34213	30885	0.85	5132	4633	8.1	10.8	1.6	1.5	90.3%	13.5%	8.1
2004	**3731**	**26242**	7.0	204	7626	33868	30817	0.85	5080	4623	7.0	9.1	1.4	1.2	91.0%	13.6%	7.0
2005	**4906**	**28235**	5.8	378	18545	46780	39362	0.85	7017	5904	5.8	9.5	1.4	1.2	84.1%	12.6%	5.8
2006	**4901**	**27461**	5.6	158	7753	35214	32113	0.85	5282	4817	5.6	7.2	1.1	1.0	91.2%	13.7%	5.6
2007	**2864**	**23692**	8.3	280	8025	31717	28507	0.85	4758	4276	8.3	11.1	1.7	1.5	89.9%	13.5%	8.3
2008	**2447**	**19126**	7.8	177	4336	23462	21728	0.85	3519	3259	7.8	9.6	1.4	1.3	92.6%	13.9%	7.8
2009	**2063**	**20454**	9.9	270	5570	26024	23796	0.85	3904	3569	9.9	12.6	1.9	1.7	91.4%	13.7%	9.9
2010	**2520**	**13981**	5.5	448	11285	25265	20751	0.85	3790	3113	5.5	10.0	1.5	1.2	82.1%	12.3%	5.5
2011	**2466**	**11377**	4.6	346	8535	19912	16498	0.85	2987	2475	4.6	8.1	1.2	1.0	82.9%	12.4%	4.6
2012	**3036**	**12744**	4.2	**200**	6072	18816	16387	0.85	2822	2458	4.2	6.2	0.9	0.8	87.1%	13.1%	4.2

PERMANENT PLANTINGS

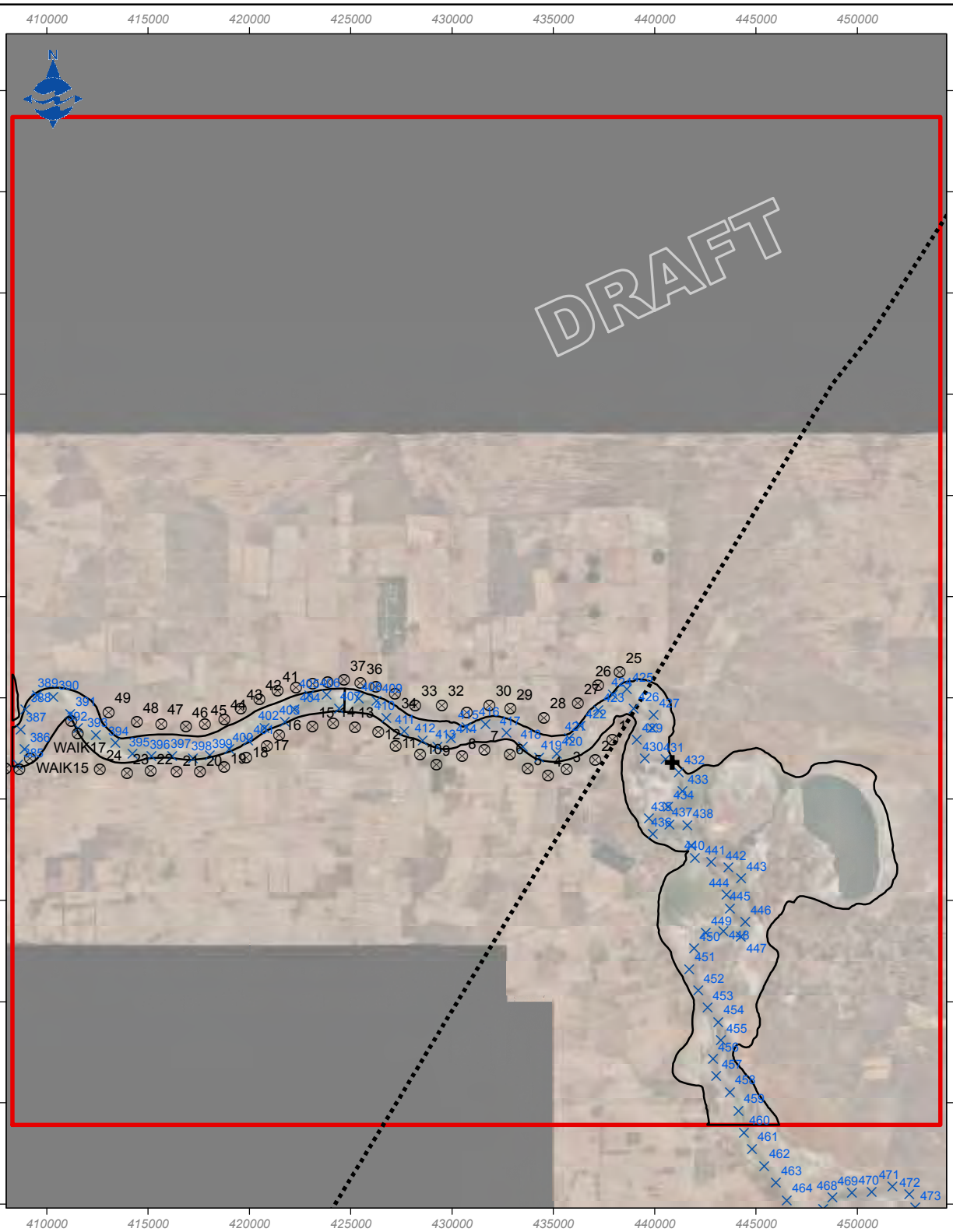
Year	Irrigation Area (ha)	Pumped Volumes (ML)	Pumped Volume Rate (ML/ha)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML) (IRR_{vol} + R)	Total Water Applied (ML) (IRRvol + R_{eff})	Application Efficiency	Total Volume Past root zone (ML)	Total Volume Past Rootzone (R_{eff}) (ML)	Irrigation Application (ML/Ha)	Total Application (ML/Ha)	Accession (ML/Ha)	Accession (R_{eff}) ML/ha	Accession (R_{eff})/ Accession	Accession / Total Water Applied (%)	Application Rate ML/Ha
1972	**238**	2378	10.0	160	382	2759	2607	0.70	828	782	10.0	11.6	3.5	3.3	94.5%	28.3%	10.0
1973	280	2741	9.8	521	1457	4198	3615	0.70	1259	1085	9.8	15.0	4.5	3.9	86.1%	25.8%	9.8
1974	321	3089	9.6	504	1616	4705	4059	0.70	1412	1218	9.6	14.7	4.4	3.8	86.3%	25.9%	9.6
1975	363	3422	9.4	274	993	4414	4017	0.70	1324	1205	9.4	12.2	3.7	3.3	91.0%	27.3%	9.4
1976	404	3739	9.3	206	833	4572	4239	0.70	1372	1272	9.3	11.3	3.4	3.1	92.7%	27.8%	9.3
1977	446	4041	9.1	179	797	4838	4520	0.70	1452	1356	9.1	10.9	3.3	3.0	93.4%	28.0%	9.1
1978	487	4328	8.9	298	1451	5780	5199	0.70	1734	1560	8.9	11.9	3.6	3.2	90.0%	27.0%	8.9
1979	529	4600	8.7	296	1562	6162	5538	0.70	1849	1661	8.7	11.7	3.5	3.1	89.9%	27.0%	8.7
1980	**570**	4857	8.5	254	1448	6305	5726	0.75	1576	1431	8.5	11.1	2.8	2.5	90.8%	22.7%	8.5
1981	559	4657	8.3	192	1074	5731	5301	0.75	1433	1325	8.3	10.3	2.6	2.4	92.5%	23.1%	8.3
1982	547	4462	8.2	95	518	4980	4773	0.75	1245	1193	8.2	9.1	2.3	2.2	95.8%	24.0%	8.2
1983	536	4271	8.0	282	1512	5782	5178	0.75	1446	1294	8.0	10.8	2.7	2.4	89.5%	22.4%	8.0
1984	525	4084	7.8	249	1304	5388	4866	0.75	1347	1216	7.8	10.3	2.6	2.3	90.3%	22.6%	7.8
1985	513	3901	7.6	223	1144	5045	4587	0.75	1261	1147	7.6	9.8	2.5	2.2	90.9%	22.7%	7.6
1986	502	3722	7.4	316	1585	5307	4673	0.75	1327	1168	7.4	10.6	2.6	2.3	88.1%	22.0%	7.4
1987	490	3548	7.2	245	1201	4749	4268	0.75	1187	1067	7.2	9.7	2.4	2.2	89.9%	22.5%	7.2
1988	**479**	3377	7.1	217	1039	4417	4001	0.75	1104	1000	7.1	9.2	2.3	2.1	90.6%	22.6%	7.1
1989	667	4583	6.9	393	2622	7205	6156	0.75	1801	1539	6.9	10.8	2.7	2.3	85.4%	21.4%	6.9
1990	856	5719	6.7	234	2002	7721	6920	0.80	1544	1384	6.7	9.0	1.8	1.6	89.6%	17.9%	6.7
1991	**878**	5707	6.5	254	2226	7933	7042	0.80	1587	1408	6.5	9.0	1.8	1.6	88.8%	17.8%	6.5
1992	1037	5710	5.5	454	4709	10419	8535	0.80	2084	1707	5.5	10.0	2.0	1.6	81.9%	16.4%	5.5
1993	1196	6060	5.1	366	4378	10439	8687	0.80	2088	1737	5.1	8.7	1.7	1.5	83.2%	16.6%	5.1
1994	1354	8492	6.3	127	1713	10205	9520	0.80	2041	1904	6.3	7.5	1.5	1.4	93.3%	18.7%	6.3
1995	**983**	3582	3.6	350	3438	7019	5644	0.80	1404	1129	3.6	7.1	1.4	1.1	80.4%	16.1%	3.6
1996	1040	6459	6.2	303	3154	9613	8352	0.80	1923	1670	6.2	9.2	1.8	1.6	86.9%	17.4%	6.2
1997	**1439**	11662	8.1	322	4626	16288	14437	0.80	3258	2887	8.1	11.3	2.3	2.0	88.6%	17.7%	8.1
1998	1344	11313	8.4	259	3474	14788	13398	0.80	2958	2680	8.4	11.0	2.2	2.0	90.6%	18.1%	8.4
1999	**1560**	13016	8.3	276	4309	17325	15602	0.80	3465	3120	8.3	11.1	2.2	2.0	90.1%	18.0%	8.3
2000	1779	15234	8.6	348	6189	21423	18947	0.85	3213	2842	8.6	12.0	1.8	1.6	88.4%	13.3%	8.6
2001	**1795**	15110	8.4	263	4714	19824	17938	0.85	2974	2691	8.4	11.0	1.7	1.5	90.5%	13.6%	8.4
2002	2287	20260	8.9	133	3036	23296	22082	0.85	3494	3312	8.9	10.2	1.5	1.4	94.8%	14.2%	8.9
2003	**1940**	15791	8.1	262	5075	20866	18836	0.85	3130	2825	8.1	10.8	1.6	1.5	90.3%	13.5%	8.1
2004	**2019**	14200	7.0	204	4127	18327	16677	0.85	2749	2501	7.0	9.1	1.4	1.2	91.0%	13.6%	7.0
2005	**2103**	12103	5.8	378	7949	20053	16873	0.85	3008	2531	5.8	9.5	1.4	1.2	84.1%	12.6%	5.8
2006	**2123**	11895	5.6	158	3359	15254	13911	0.85	2288	2087	5.6	7.2	1.1	1.0	91.2%	13.7%	5.6
2007	**2111**	17463	8.3	280	5915	23378	21012	0.85	3507	3152	8.3	11.1	1.7	1.5	89.9%	13.5%	8.3
2008	**2053**	16047	7.8	177	3638	19685	18229	0.85	2953	2734	7.8	9.6	1.4	1.3	92.6%	13.9%	7.8
2009	**2031**	20137	9.9	270	5484	25621	23427	0.85	3843	3514	9.9	12.6	1.9	1.7	91.4%	13.7%	9.9
2010	**2003**	11112	5.5	448	8969	20082	16494	0.85	3012	2474	5.5	10.0	1.5	1.2	82.1%	12.3%	5.5
2011	**1980**	9135	4.6	346	6853	15988	13247	0.85	2398	1987	4.6	8.1	1.2	1.0	82.9%	12.4%	4.6
2012	**2000**	8395	4.2	**200**	4000	12395	10795	0.85	1859	1619	4.2	6.2	0.9	0.8	87.1%	13.1%	4.2

TEMPORARY PLANTINGS

Year	Irrigation Area (ha)	Pumped Volumes (ML)	Pumped Volume Rate (ML/ha)	Rainfall (mm)	Rainfall (ML)	Total Water Applied (ML) (IRR_{vol} + R)	Total Water Applied (ML) (IRRvol + R_{eff})	Application Efficiency	Total Volume Past root zone (ML)	Total Volume Past Rootzone (R_{eff}) (ML)	Irrigation Application (ML/Ha)	Total Application (ML/Ha)	Accession (ML/Ha)	Accession (R_{eff}) ML/ha	Accession (R_{eff})/ Accession	Accession / Total Water Applied (%)	Application Rate ML/Ha
1972	**0**	0	0	160	0	0	0	0.70	0	0	1	0	0	1	0	0	
1973	**0**	0	0	521	0	0	0	0.70	0	0	1	0	0	1	0	0	
1974	**0**	0	0	504	0	0	0	0.70	0	0	1	0	0	1	0	0	
1975	**0**	0	0	274	0	0	0	0.70	0	0	1	0	0	1	0	0	
1976	**0**	0	0	206	0	0	0	0.70	0	0	1	0	0	1	0	0	
1977	**0**	0	0	179	0	0	0	0.70	0	0	1	0	0	1	0	0	
1978	**0**	0	0	298	0	0	0	0.70	0	0	1	0	0	1	0	0	
1979	**0**	0	0	296	0	0	0	0.70	0	0	1	0	0	1	0	0	
1980	**0**	0	0	254	0	0	0	0.75	0	0	1	0	0	1	0	0	
1981	**0**	0	0	192	0	0	0	0.75	0	0	1	0	0	1	0	0	
1982	**0**	0	0	95	0	0	0	0.75	0	0	1	0	0	1	0	0	
1983	**0**	0	0	282	0	0	0	0.75	0	0	1	0	0	1	0	0	
1984	**0**	0	0	249	0	0	0	0.75	0	0	1	0	0	1	0	0	
1985	**0**	0	0	223	0	0	0	0.75	0	0	1	0	0	1	0	0	
1986	**0**	0	0	316	0	0	0	0.75	0	0	1	0	0	1	0	0	
1987	**0**	0	0	245	0	0	0	0.75	0	0	1	0	0	1	0	0	
1988	**0**	0	0	217	0	0	0	0.75	0	0	1	0	0	1	0	0	
1989	**0**	0	0	393	0	0	0	0.75	0	0	1	0	0	1	0	0	
1990	**0**	0	0	234	0	0	0	0.80	0	0	1	0	0	1	0	0	
1991	**166**	996	6.0	254	421	1417	1248	0.90	142	125	6.0	8.5	0.9	0.8	88.1%	8.8%	6.0
1992	325	1949	6.0	454	1475	3424	2834	0.90	342	283	6.0	10.5	1.1	0.9	82.8%	8.3%	6.0
1993	484	2902	6.0	366	1771	4673	3964	0.90	467	396	6.0	9.7	1.0	0.8	84.8%	8.5%	6.0
1994	642	3854	6.0	127	813	4667	4342	0.90	467	434	6.0	7.3	0.7	0.7	93.0%	9.3%	6.0
1995	**855**	5130	6.0	350	2990	8120	6924	0.90	812	692	6.0	9.5	0.9	0.8	85.3%	8.5%	6.0
1996	912	5469	6.0	303	2765	8234	7128	0.90	823	713	6.0	9.0	0.9	0.8	86.6%	8.7%	6.0
1997	**512**	3072	6.0	322	1646	4718	4060	0.90	472	406	6.0	9.2	0.9	0.8	86.0%	8.6%	6.0
1998	417	2502	6.0	259	1078	3580	3149	0.90	358	315	6.0	8.6	0.9	0.8	88.0%	8.8%	6.0
1999	**200**	1200	6.0	276	552	1752	1531	0.90	175	153	6.0	8.8	0.9	0.8	87.4%	8.7%	6.0
2000	419	2511	6.0	348	1456	3967	3385	0.90	397	338	6.0	9.5	0.9	0.8	85.3%	8.5%	6.0
2001	**402**	2412	6.0	263	1056	3468	3045	0.90	347	305	6.0	8.6	0.9	0.8	87.8%	8.8%	6.0
2002	894	5361	6.0	133	1187	6548	6073	0.90	655	607	6.0	7.3	0.7	0.7	92.8%	9.3%	6.0
2003	**1237**	7422	6.0	262	3236	10658	9364	0.90	1066	936	6.0	8.6	0.9	0.8	87.9%	8.8%	6.0
2004	**1709**	10254	6.0	204	3493	13747	12350	0.90	1375	1235	6.0	8.0	0.8	0.7	89.8%	9.0%	6.0
2005	**2802**	16812	6.0	378	10592	27404	23167	0.90	2740	2317	6.0	9.8	1.0	0.8	84.5%	8.5%	6.0
2006	**2778**	16668	6.0	158	4395	21063	19305	0.90	2106	1930	6.0	7.6	0.8	0.7	91.7%	9.2%	6.0
2007	**753**	4518	6.0	280	2110	6628	5784	0.90	663	578	6.0	8.8	0.9	0.8	87.3%	8.7%	6.0
2008	**394**	2364	6.0	177	698	3062	2783	0.90	306	278	6.0	7.8	0.8	0.7	90.9%	9.1%	6.0
2009	**32**	192	6.0	270	86	278	244	0.90	28	24	6.0	8.7	0.9	0.8	87.6%	8.8%	6.0
2010	**517**	3102	6.0	448	2315	5417	4491	0.90	542	449	6.0	10.5	1.0	0.9	82.9%	8.3%	6.0
2011	**2466**	14796	6.0	346	8535	23331	19917	0.90	2333	1992	6.0	9.5	0.9	0.8	85.4%	8.5%	6.0
2012	**3036**	18216	6.0	**200**	6072	24288	21859	0.90	2429	2186	6.0	8.0	0.8	0.7	90.0%	9.0%	6.0

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-2 FIGURES FOR THE PRELIMINARY MODEL DEVELOPED BY AUSTRALIAN WATER ENVIRONMENTS



LEGEND

- SISProductionBores111205
- Locks1-6
- riverkm_bporter
- HamleyFaultZ54
- floodplainModelExtent
- modelextent

0 3 6 9
Kilometers

Australian WATER Environments

Waikerie 5 Year Review

Groundwater Model

Model Extent

Job No. 12033 - xx
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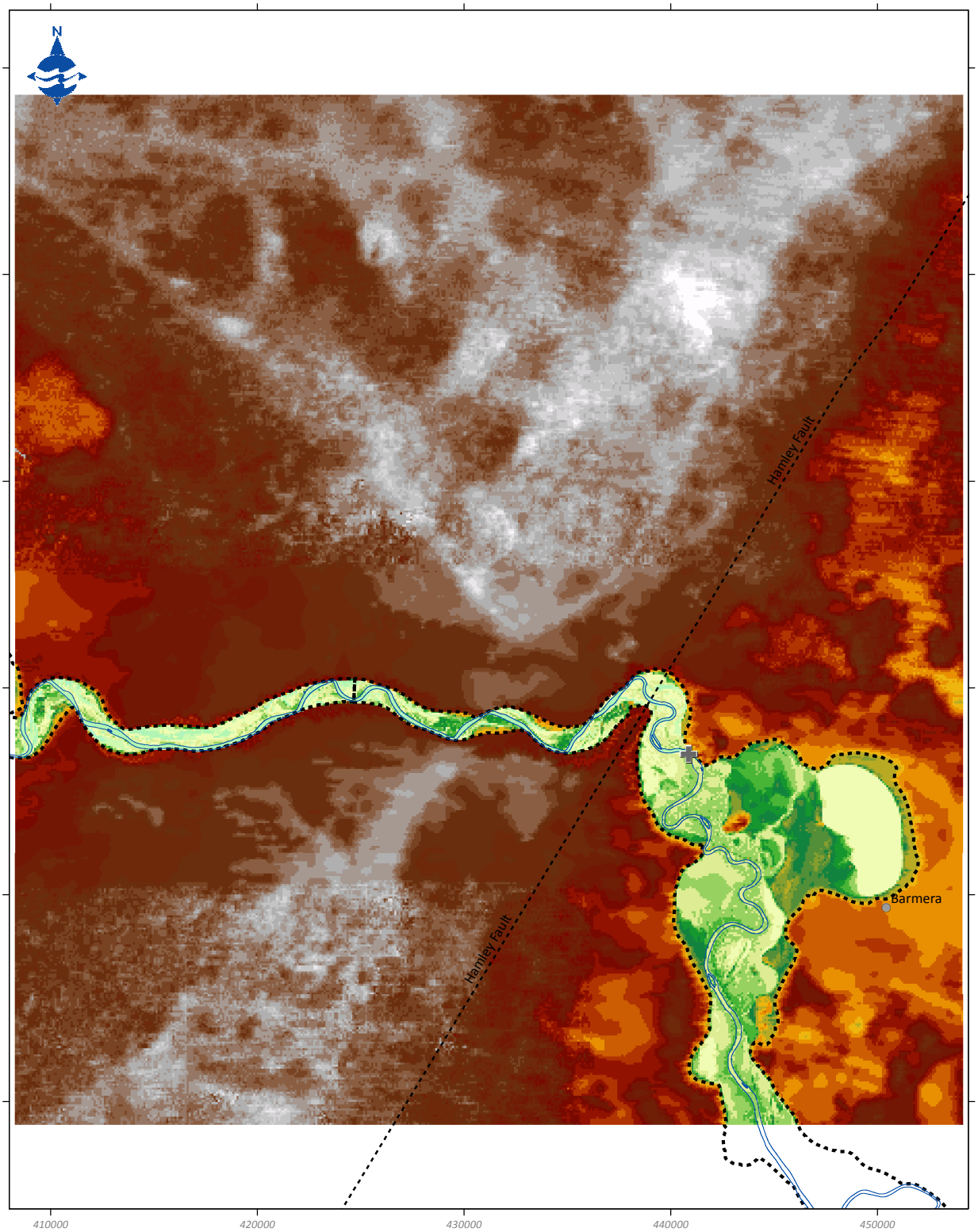
Figure x.x

	Stress Period #	Start Date	End Date	Length (days)	Start Year	Stop Year
SS	1	-	-	1	steady state	
calibrated model	2	1/01/1930	1/01/1950	7305	1930	1950
	3	1/01/1950	1/01/1970	7305	1950	1970
	4	1/01/1970	1/01/1975	1826.25	1970	1975
	5	1/01/1975	1/01/1980	1826.25	1975	1980
	6	1/01/1980	31/12/1984	1826.25	1980	1985
	7	31/12/1984	1/01/1988	1095.75	1985	1988
	8	1/01/1988	1/01/1990	730.5	1988	1990
	9	1/01/1990	1/01/1991	365.25	1990	1991
	10	1/01/1991	2/07/1991	182.625	1991	1991.5
	11	2/07/1991	1/01/1992	182.625	1991.5	1992
	12	1/01/1992	2/07/1992	182.625	1992	1992.5
	13	2/07/1992	31/12/1992	182.625	1992.5	1993
	14	31/12/1992	2/07/1993	182.625	1993	1993.5
	15	2/07/1993	1/01/1994	182.625	1993.5	1994
	16	1/01/1994	2/07/1994	182.625	1994	1994.5
	17	2/07/1994	1/01/1995	182.625	1994.5	1995
	18	1/01/1995	2/07/1995	182.625	1995	1995.5
	19	2/07/1995	1/01/1996	182.625	1995.5	1996
	20	1/01/1996	2/07/1996	182.625	1996	1996.5
	21	2/07/1996	31/12/1996	182.625	1996.5	1997
	22	31/12/1996	2/07/1997	182.625	1997	1997.5
	23	2/07/1997	1/01/1998	182.625	1997.5	1998
	24	1/01/1998	2/07/1998	182.625	1998	1998.5
	25	2/07/1998	1/01/1999	182.625	1998.5	1999
	26	1/01/1999	2/07/1999	182.625	1999	1999.5
	27	2/07/1999	1/01/2000	182.625	1999.5	2000
	28	1/01/2000	2/07/2000	182.625	2000	2000.5
	29	2/07/2000	31/12/2000	182.625	2000.5	2001
	30	31/12/2000	2/07/2001	182.625	2001	2001.5
	31	2/07/2001	1/01/2002	182.625	2001.5	2002
	32	1/01/2002	2/07/2002	182.625	2002	2002.5
	33	2/07/2002	1/01/2003	182.625	2002.5	2003
	34	1/01/2003	2/07/2003	182.625	2003	2003.5
	35	2/07/2003	1/01/2004	182.625	2003.5	2004
	36	1/01/2004	2/07/2004	182.625	2004	2004.5
	37	2/07/2004	31/12/2004	182.625	2004.5	2005
	38	31/12/2004	2/07/2005	182.625	2005	2005.5
	39	2/07/2005	1/01/2006	182.625	2005.5	2006
	40	1/01/2006	2/07/2006	182.625	2006	2006.5
	41	2/07/2006	1/01/2007	182.625	2006.5	2007
	42	1/01/2007	2/07/2007	182.625	2007	2007.5
	43	2/07/2007	1/01/2008	182.625	2007.5	2008
	44	1/01/2008	2/07/2008	182.625	2008	2008.5
	45	2/07/2008	31/12/2008	182.625	2008.5	2009
	46	31/12/2008	2/07/2009	182.625	2009	2009.5
	47	2/07/2009	1/01/2010	182.625	2009.5	2010
	48	1/01/2010	2/07/2010	182.625	2010	2010.5
	49	2/07/2010	1/01/2011	182.625	2010.5	2011
	50	1/01/2011	2/07/2011	182.625	2011	2011.5
	51	2/07/2011	1/01/2012	182.625	2011.5	2012
	52	1/01/2012	2/07/2012	182.625	2012	2012.5
predictions	53	2/07/2012	31/12/2012	182.625	2012.5	2013
	54	31/12/2012	1/01/2014	365.25	2013	2014
	55	1/01/2014	1/01/2015	365.25	2014	2015
	56	1/01/2015	1/01/2016	365.25	2015	2016
	57	1/01/2016	31/12/2016	365.25	2016	2017
	58	31/12/2016	1/01/2018	365.25	2017	2018
	59	1/01/2018	1/01/2019	365.25	2018	2019
	60	1/01/2019	1/01/2020	365.25	2019	2020
	61	1/01/2020	31/12/2020	365.25	2020	2021
	62	31/12/2020	1/01/2022	365.25	2021	2022
	63	1/01/2022	1/01/2023	365.25	2022	2023
	64	1/01/2023	1/01/2024	365.25	2023	2024
	65	1/01/2024	31/12/2024	365.25	2024	2025
	66	31/12/2024	1/01/2026	365.25	2025	2026
	67	1/01/2026	1/01/2027	365.25	2026	2027
	68	1/01/2027	1/01/2028	365.25	2027	2028
	69	1/01/2028	31/12/2028	365.25	2028	2029
	70	31/12/2028	1/01/2030	365.25	2029	2030
	71	1/01/2030	1/01/2031	365.25	2030	2031
	72	1/01/2031	1/01/2032	365.25	2031	2032
	73	1/01/2032	31/12/2032	365.25	2032	2033
	74	31/12/2032	1/01/2034	365.25	2033	2034
	75	1/01/2034	1/01/2035	365.25	2034	2035
	76	1/01/2035	1/01/2036	365.25	2035	2036
	77	1/01/2036	31/12/2036	365.25	2036	2037
	78	31/12/2036	1/01/2038	365.25	2037	2038
	79	1/01/2038	1/01/2039	365.25	2038	2039
	80	1/01/2039	1/01/2040	365.25	2039	2040
	81	1/01/2040	1/01/2050	3652.5	2040	2050
	82	1/01/2050	1/01/2060	3652.5	2050	2060
	83	1/01/2060	1/01/2070	3652.5	2060	2070
	84	1/01/2070	1/01/2080	3652.5	2070	2080
	85	1/01/2080	1/01/2090	3652.5	2080	2090
	86	1/01/2090	1/01/2100	3652.5	2090	2100
	87	1/01/2100	2/01/2110	3652.5	2100	2110
	88	2/01/2110	2/01/2111	365.25	2110	2111
	89	2/01/2111	2/01/2112	365.25	2111	2112
	90	2/01/2112	1/01/2113	365.25	2112	2113



LEGEND

- Locks
- Hamley Fault
- River Murray
- Eroded River Trench

Top of Layer 1 (mAHD)

- 4.6 - 5
- 5.1 - 6
- 6.1 - 7
- 7.1 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 11
- 11.1 - 12
- 12.1 - 13
- 13.1 - 14
- 14.1 - 15
- 15.1 - 16
- 16.1 - 20
- 20.1 - 24
- 24.1 - 28
- 28.1 - 32
- 32.1 - 36
- 36.1 - 40
- 40.1 - 44
- 44.1 - 48
- 48.1 - 52
- 52.1 - 56
- 56.1 - 60
- 60.1 - 64
- 64.1 - 68
- 68.1 - 72
- 72.1 - 76
- 76.1 - 80
- 80.1 - 84
- 84.1 - 88
- 88.1 - 92
- 92.1 - 104

0 5 10

Kilometres (Scale 1:290,000 Sheet A4)

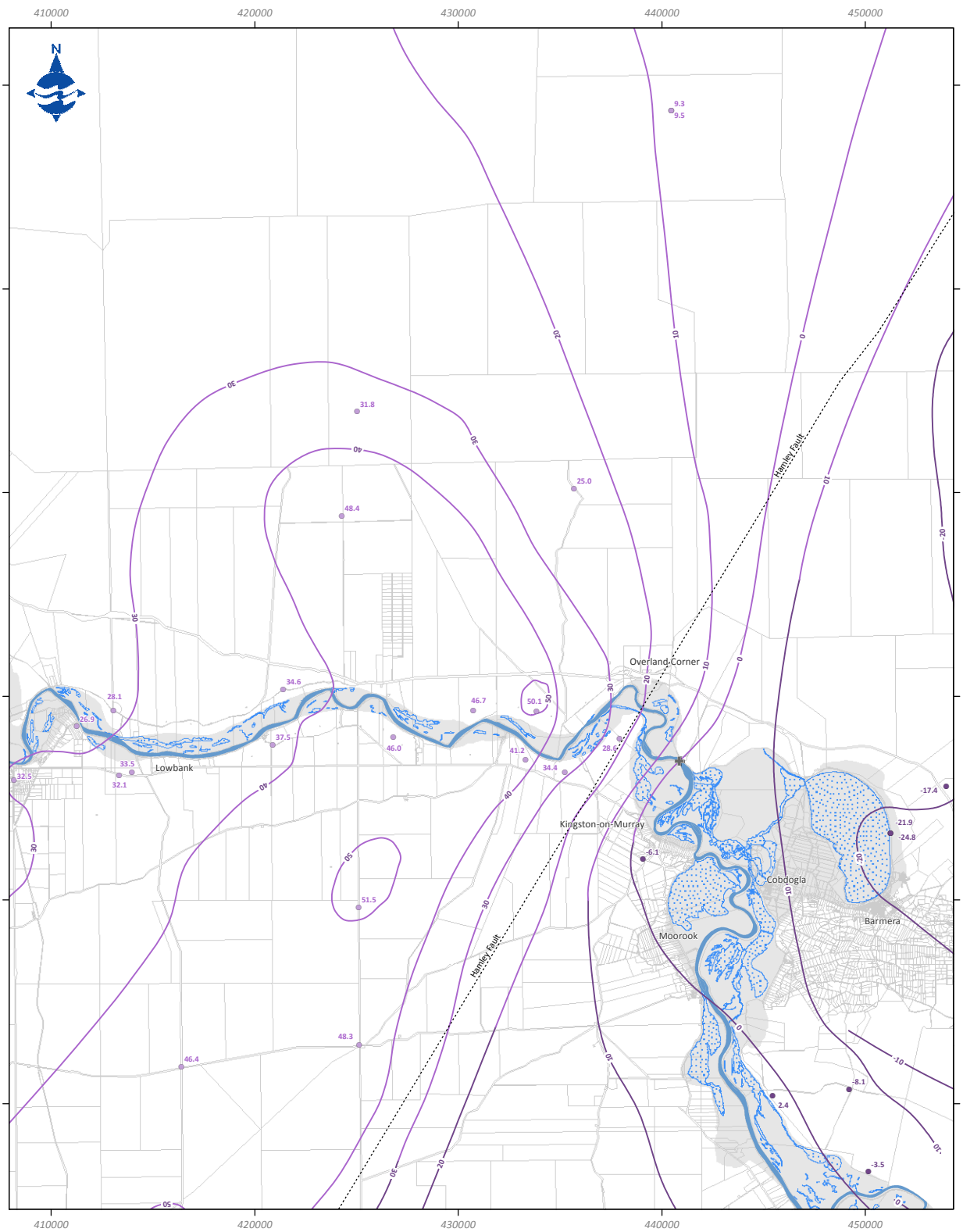
Australian WATER Environments

Woolpunda 5 Year Review

Groundwater Model

Top of Ground Surface

12033 D012 Top of Layer 1 v2_1 YW 130416
Last Updated: 2013/04/17



LEGEND

- Locks
- Top of Bryant Creek Formation Bores (mAHD)
- Top of Pata Formation Bores (mAHD)
- Top of Bryant Creek Formation Contours (mAHD)
- Top of Pata Formation Contours (MAHD)
- Hamley Fault
- River Murray
- Wetlands
- Eroded River Trench
- Cadastre

0 5 10

Kilometres (Scale 1:290,000 Sheet A4)

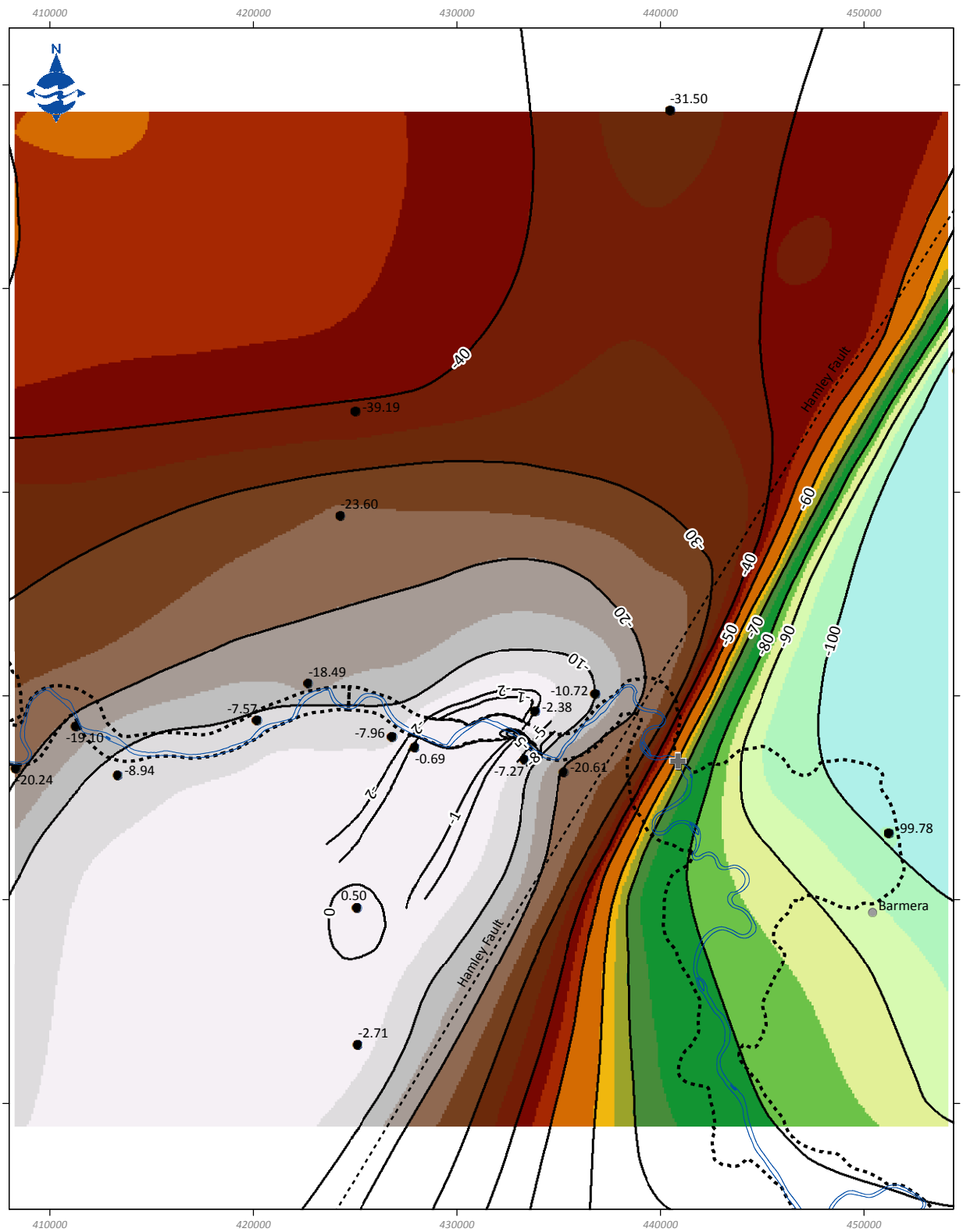
Australian WATER Environments

Woolpunda 5 Year Review

Groundwater Model

Top of Murray Group

12033 D055 Top of Murray Group v2_2 YW 130417
Last Updated: 2013/04/18



LEGEND

- Locks
- Bores
- Hamley Fault
- Contours
- River Murray
- Eroded River Trench

Top of Layer 3 (mAHD)

- -109.9 - -100
- -99.9 - -95
- -94.9 - -90
- -89.9 - -85
- -84.9 - -80
- -79.9 - -75
- -74.9 - -70
- -69.9 - -65
- -64.9 - -60
- -59.9 - -50
- -49.9 - -45
- -44.9 - -40
- -39.9 - -35
- -34.9 - -30
- -29.9 - -25
- -24.9 - -20
- -19.9 - -15
- -14.9 - -10
- -9.9 - -5
- -4.9 - 1

0 5 10

Kilometres (Scale 1:290,000 Sheet A4)

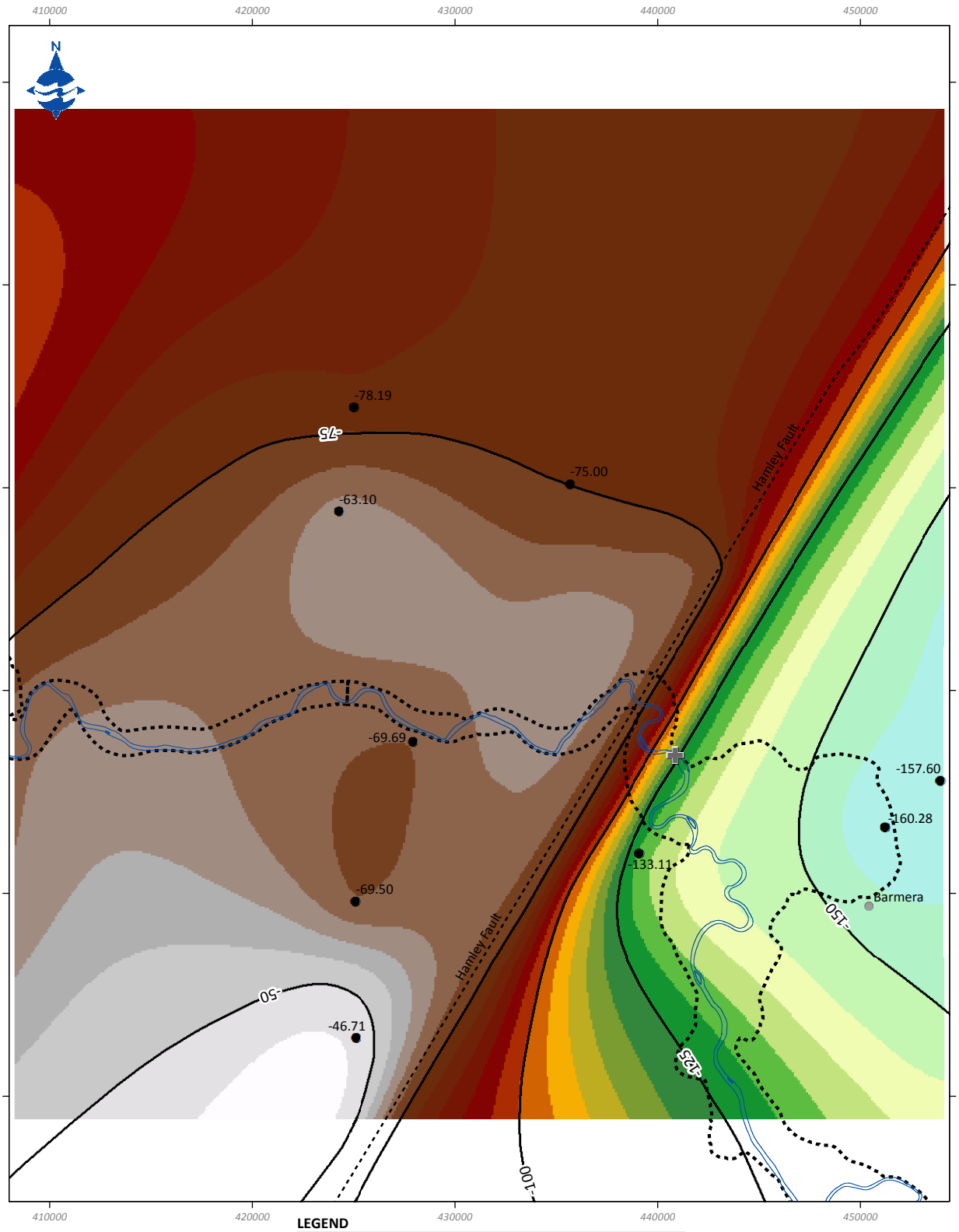
Australian WATER Environments

Woolpunda 5 Year Review

Groundwater Model

Top of Lower Mannum Formation

12033 D008 Top of Layer 3 v2_1 YW 130416
Last Updated: 2013/04/17



LEGEND

- Locks
- Bores
- Hamley Fault
- Contours
- River Murray
- Eroded River Trench

Top of Layer 4 (mAHD)

- -160.5 - -155
- -154.9 - -150
- -149.9 - -145
- -144.9 - -140
- -139.9 - -135
- -134.9 - -130
- -129.9 - -125
- -124.9 - -120
- -119.9 - -115
- -114.9 - -110
- -109.9 - -105
- -104.9 - -100
- -99.9 - -95
- -94.9 - -90
- -89.9 - -85
- -84.9 - -80
- -79.9 - -75
- -74.9 - -70
- -69.9 - -65
- -64.9 - -60
- -59.9 - -55
- -54.9 - -50
- -49.9 - -45
- -44.9 - -41.6

0 5 10

Kilometres (Scale 1:290,000 Sheet A4)

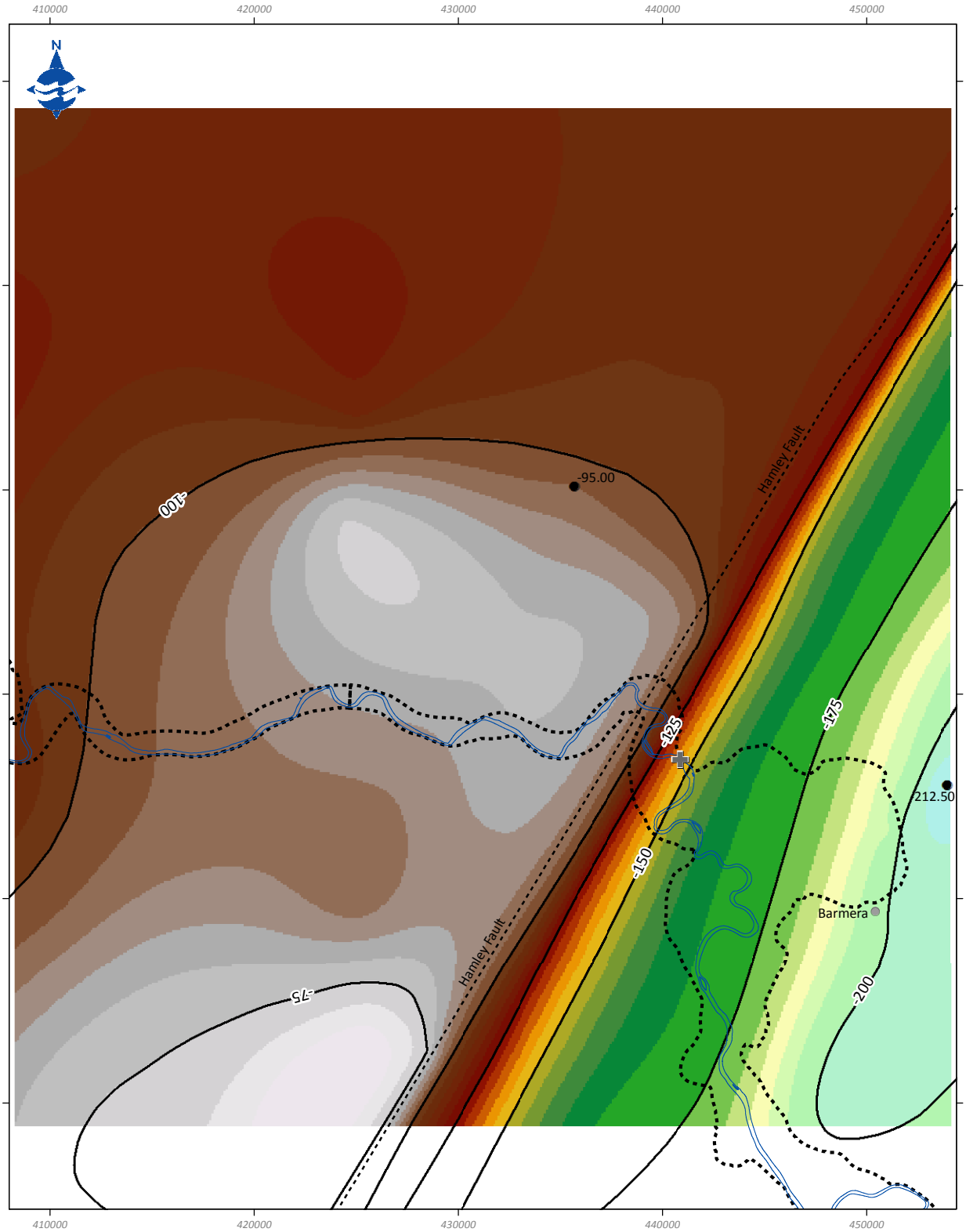
Australian WATER Environments

Woolpunda 5 Year Review

Groundwater Model

Top of Ettrick Formation

12033 D009 Top of Layer 4 v2_1 YW 130416
Last Updated: 2013/04/17



LEGEND

- Locks
- Bores
- Hamley Fault
- Contours
- River Murray
- Eroded River Trench

Top of Layer 5 (mAHD)

- -212.5 - -205
- -204.9 - -200
- -199.9 - -195
- -194.9 - -190
- -189.9 - -185
- -184.9 - -180
- -179.9 - -175
- -174.9 - -170
- -169.9 - -165
- -164.9 - -160
- -159.9 - -155
- -154.9 - -150
- -149.9 - -145
- -144.9 - -140
- -139.9 - -135
- -134.9 - -130
- -129.9 - -125
- -124.9 - -120
- -119.9 - -115
- -114.9 - -110
- -109.9 - -105
- -104.9 - -100
- -99.9 - -95
- -94.9 - -90
- -89.9 - -85
- -84.9 - -80
- -79.9 - -75
- -74.9 - -70
- -69.9 - -65
- -64.9 - -60.2

0 5 10

Kilometres (Scale 1:290,000 Sheet A4)

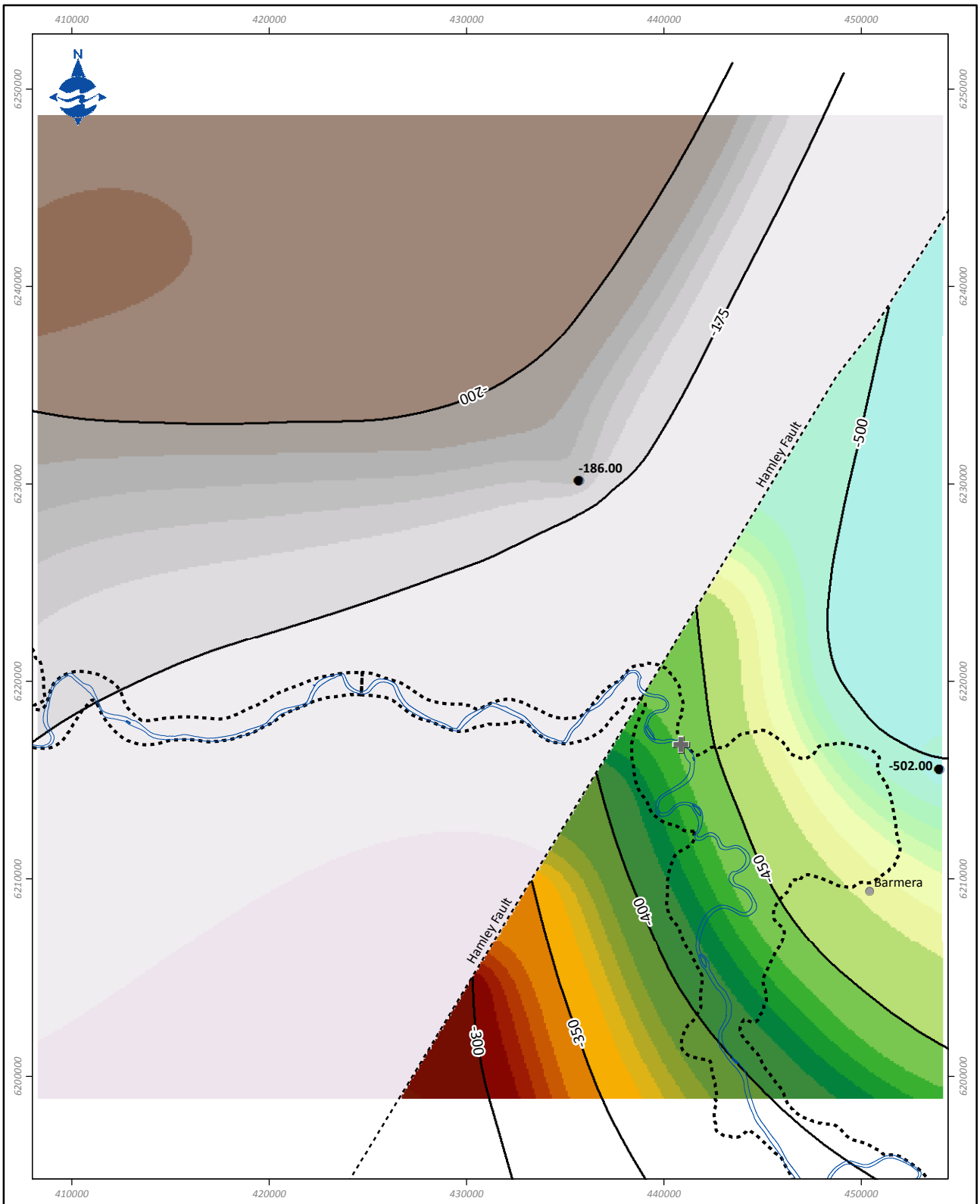
Australian WATER Environments

Woolpunda 5 Year Review

Groundwater Model

Top of Renmark Group

12033 D010 Top of Layer 5 v2_1 YW 130417
Last Updated: 2013/04/17



LEGEND

- Locks
- Bores
- Hamley Fault
- Contours
- River Murray
- Eroded River Trench

Base of Layer 5 (mAHD)

- -504.5 - -500
- -499.9 - -495
- -494.9 - -490
- -489.9 - -485
- -484.9 - -480
- -479.9 - -470
- -469.9 - -460
- -459.9 - -450
- -449.9 - -440
- -439.9 - -430
- -429.9 - -420
- -419.9 - -410
- -409.9 - -400
- -399.9 - -390
- -389.9 - -380
- -379.9 - -370
- -369.9 - -360
- -359.9 - -350
- -349.9 - -340
- -339.9 - -330
- -329.9 - -320
- -319.9 - -310
- -309.9 - -300
- -299.9 - -290
- -289.9 - -280
- -279.9 - -270
- -269.9 - -260
- -259.9 - -250
- -249.9 - -240
- -239.9 - -230
- -229.9 - -220
- -219.9 - -210
- -209.9 - -200
- -199.9 - -195
- -194.9 - -190
- -189.9 - -185
- -184.9 - -180
- -179.9 - -175
- -174.9 - -170
- -169.9 - -165.3

0 5 10

Kilometres (Scale 1:290,000 Sheet A4)

Australian WATER Environments

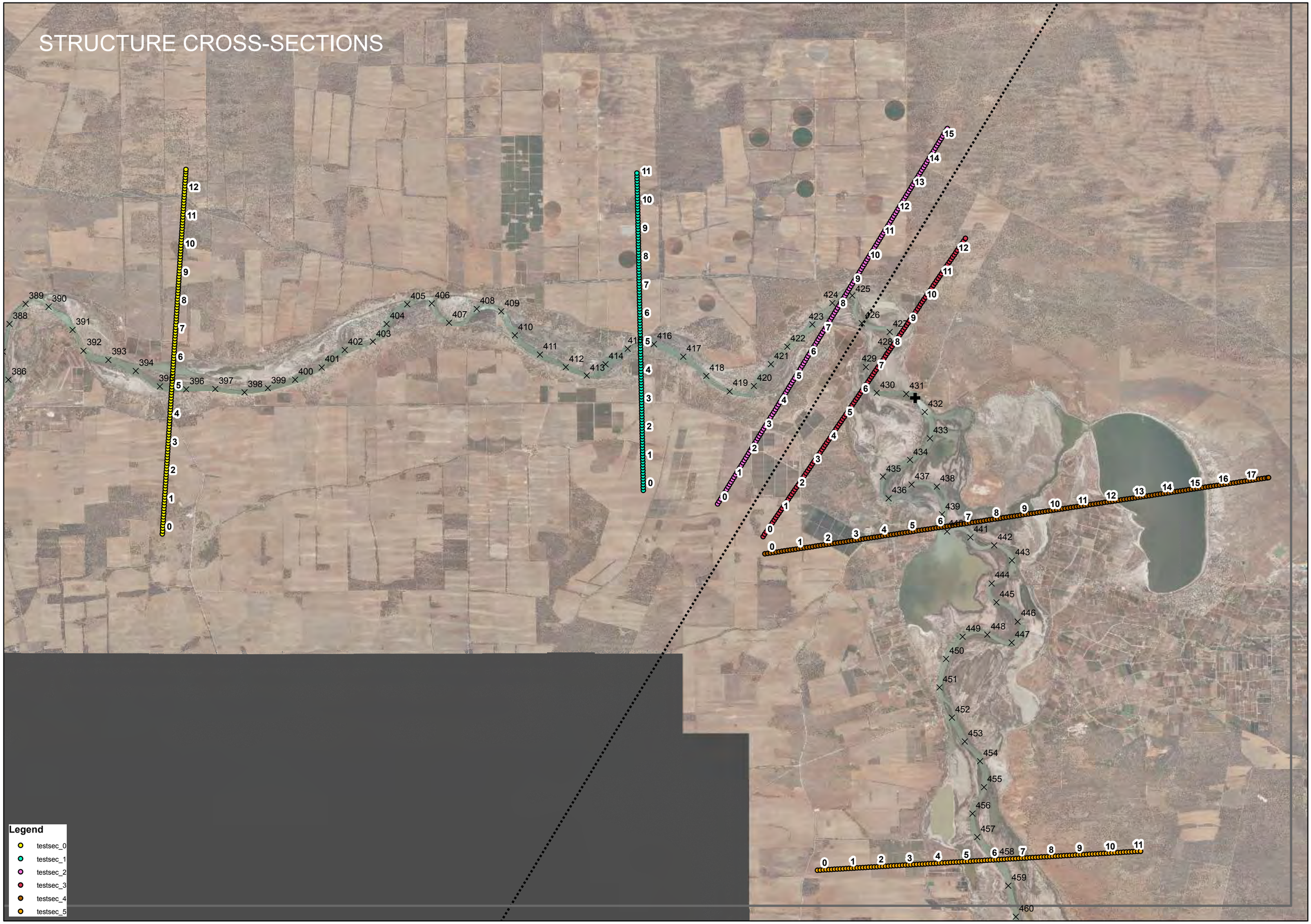
Woolpunda 5 Year Review

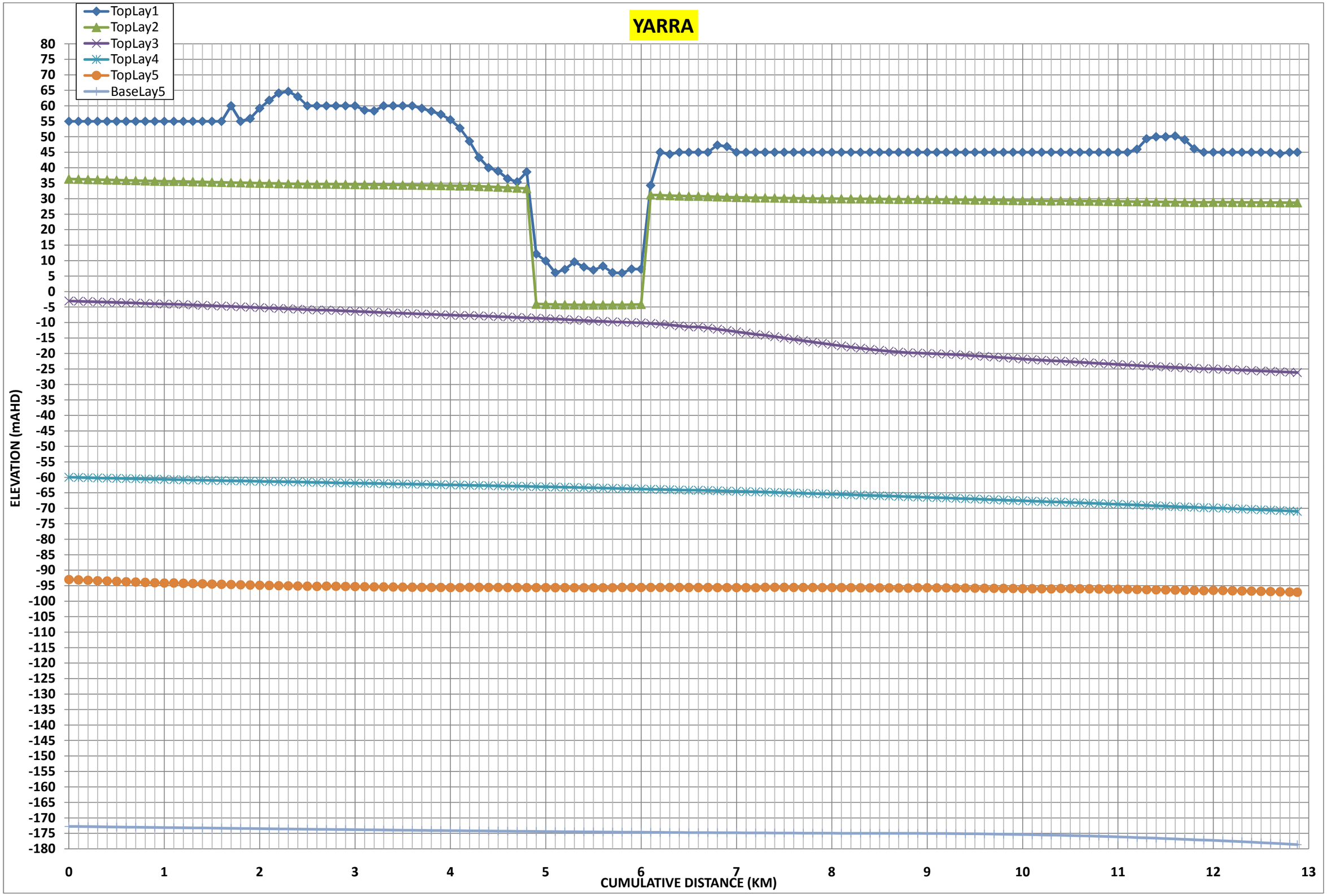
Groundwater Model

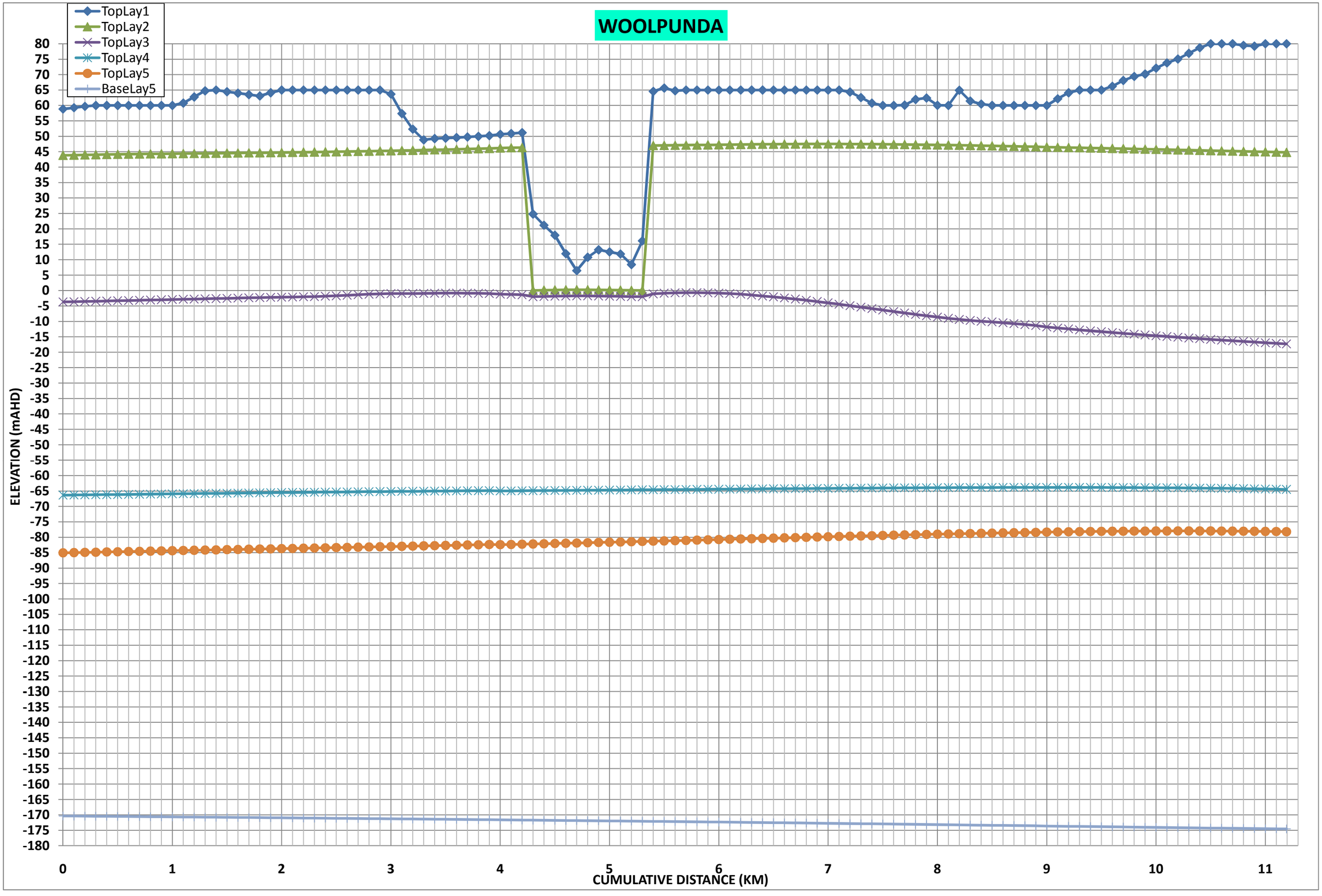
Base of Renmark Group

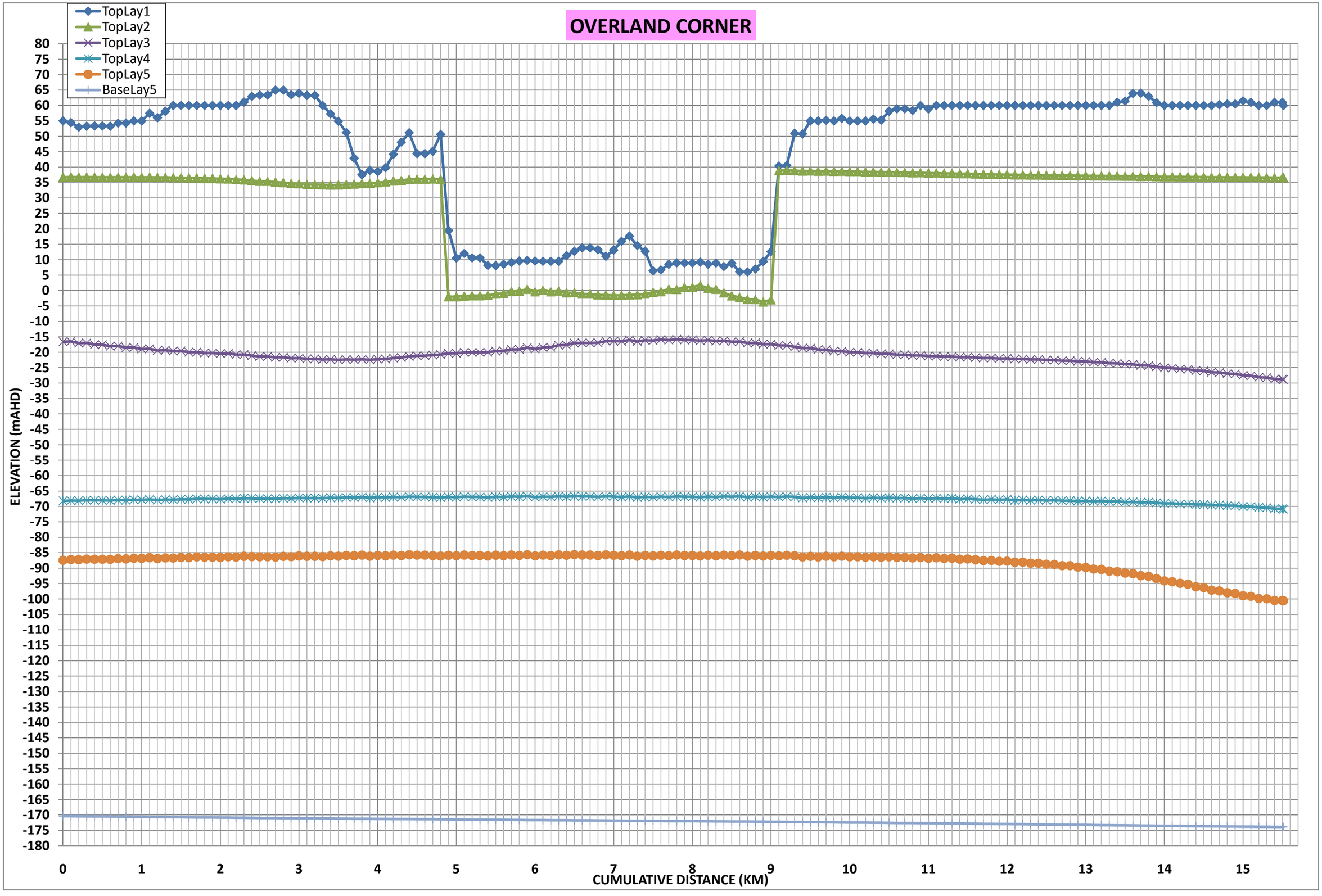
12033 D011 Base of Layer 5 v2_1 YW 130417
Last Updated: 2013/04/17

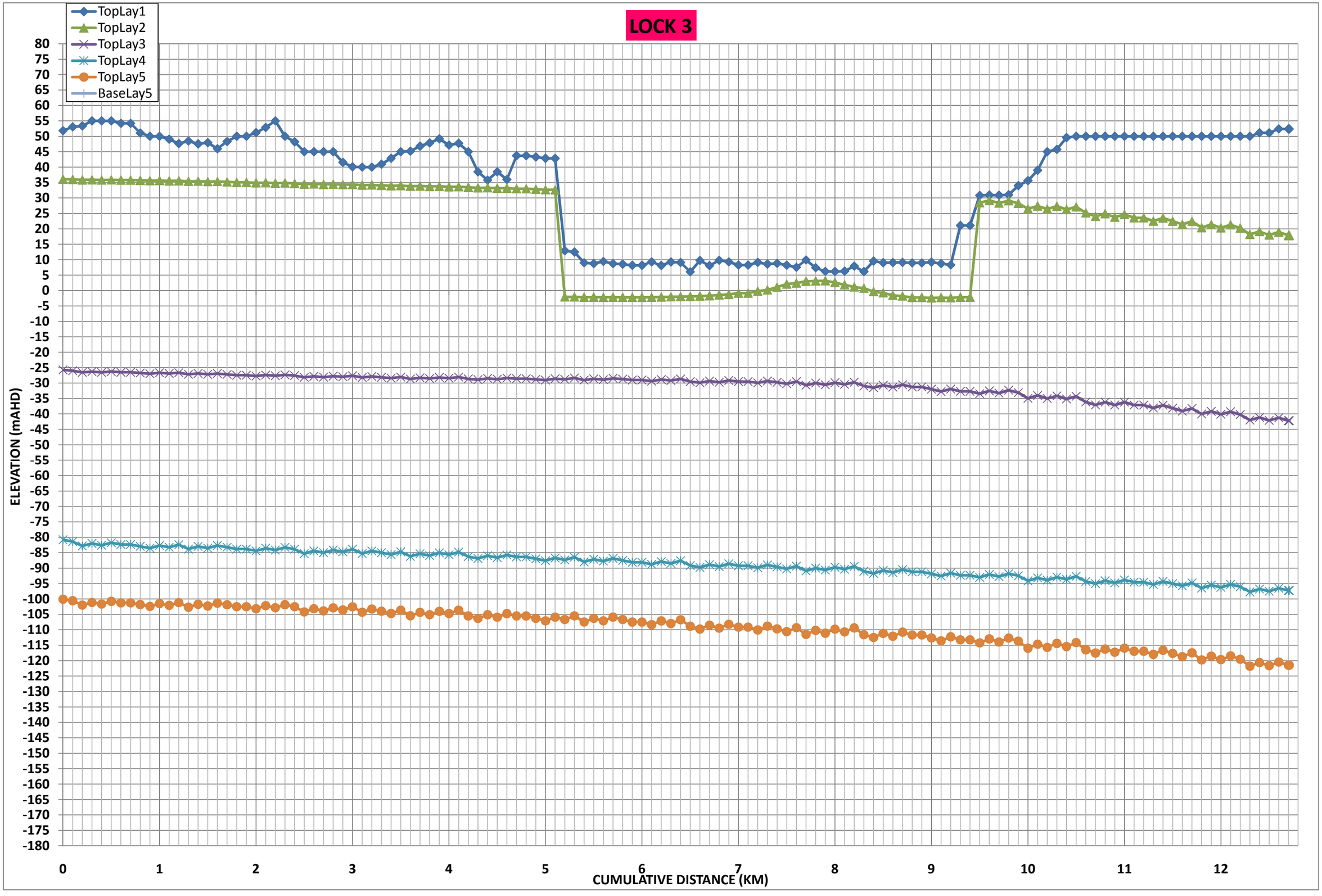
STRUCTURE CROSS-SECTIONS

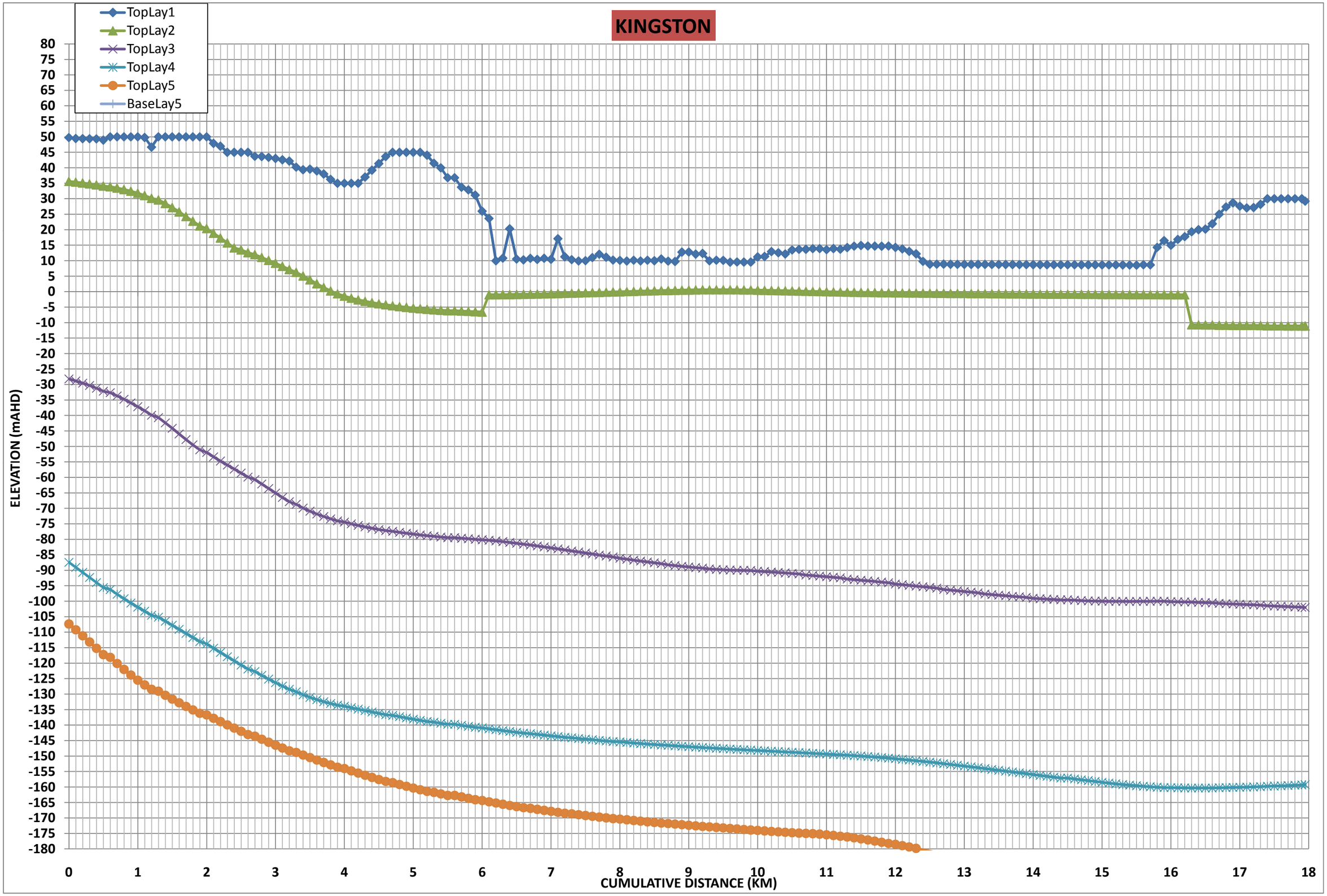


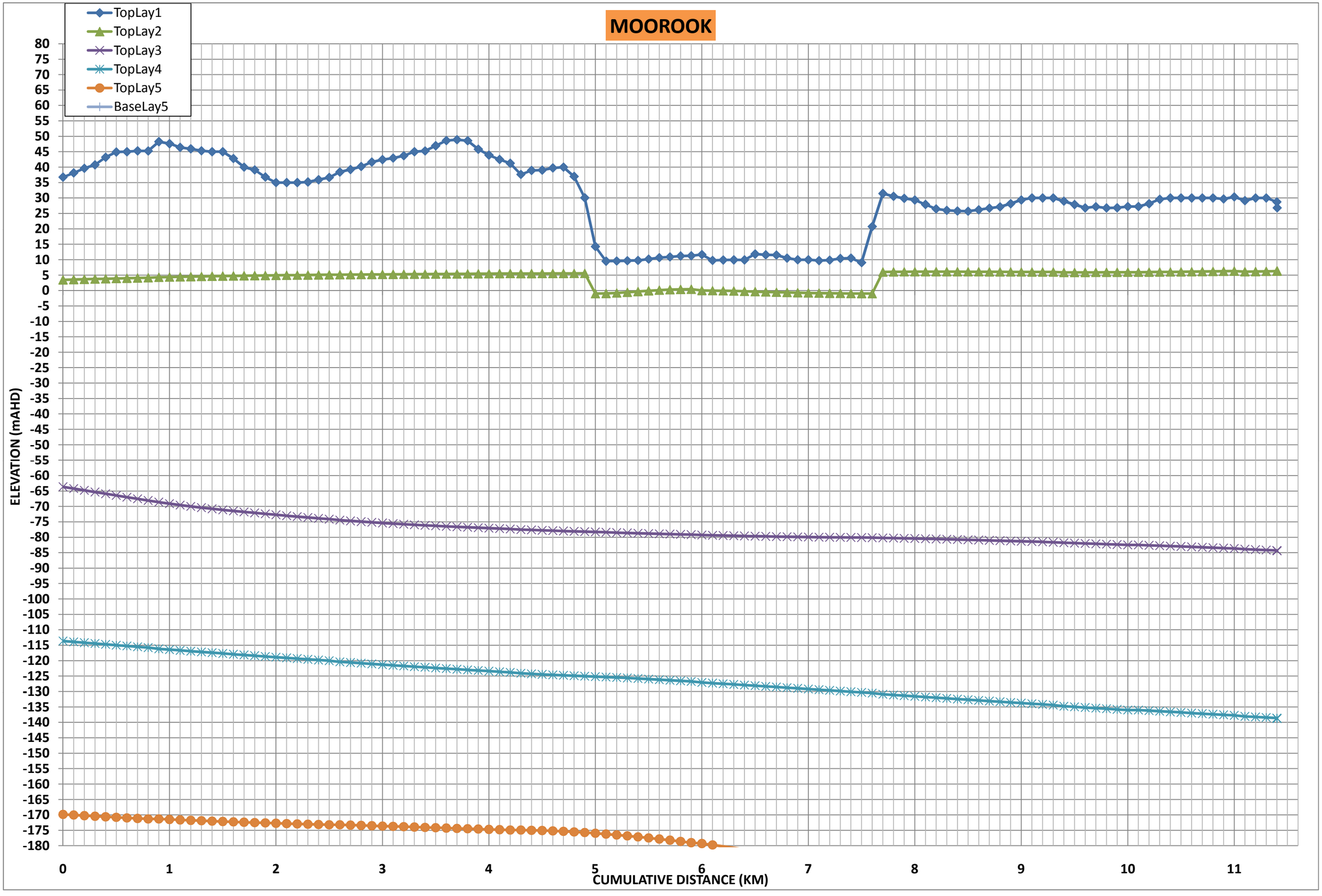

YARRA
TopLay1
TopLay2
TopLay3
TopLay4
TopLay5
BaseLay5
ELEVATION (mAHD)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
-95
-100
-105
-110
-115
-120
-125
-130
-135
-140
-145
-150
-155
-160
-165
-170
-175
-180
0
1
2
3
4
5
6
7
8
9
10
11
12
13
CUMULATIVE DISTANCE (KM)

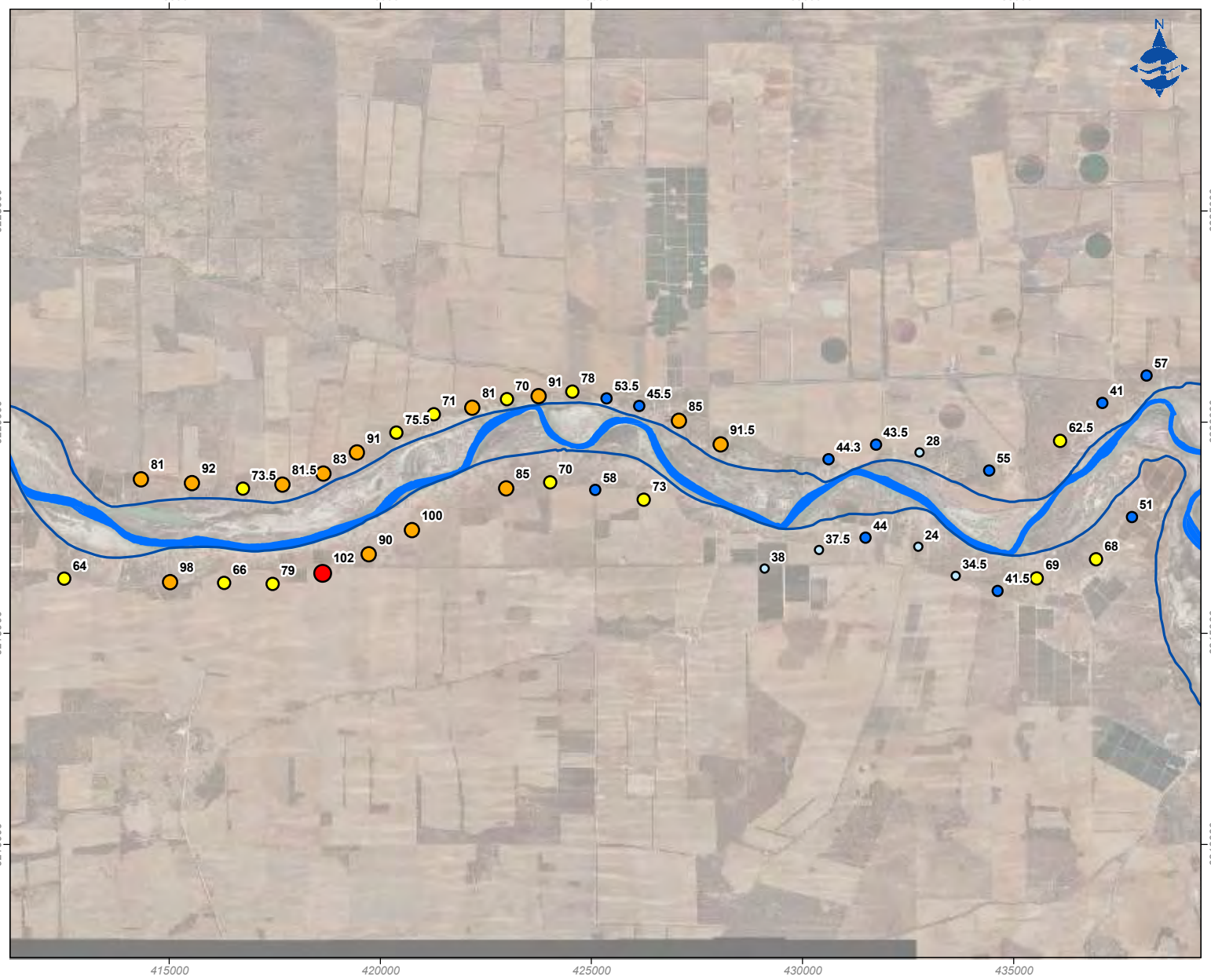

WOOLPUNDA
TopLay1
TopLay2
TopLay3
TopLay4
TopLay5
BaseLay5
ELEVATION (mAHD)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
-95
-100
-105
-110
-115
-120
-125
-130
-135
-140
-145
-150
-155
-160
-165
-170
-175
-180
0
1
2
3
4
5
6
7
8
9
10
11
CUMULATIVE DISTANCE (KM)

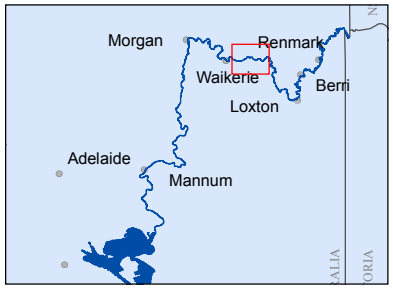

OVERLAND CORNER
TopLay1
TopLay2
TopLay3
TopLay4
TopLay5
BaseLay5
ELEVATION (mAHD)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
-95
-100
-105
-110
-115
-120
-125
-130
-135
-140
-145
-150
-155
-160
-165
-170
-175
-180
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
CUMULATIVE DISTANCE (KM)


LOCK 3
TopLay1
TopLay2
TopLay3
TopLay4
TopLay5
BaseLay5
ELEVATION (mAHD)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
-95
-100
-105
-110
-115
-120
-125
-130
-135
-140
-145
-150
-155
-160
-165
-170
-175
-180
0
1
2
3
4
5
6
7
8
9
10
11
12
CUMULATIVE DISTANCE (KM)


KINGSTON
TopLay1
TopLay2
TopLay3
TopLay4
TopLay5
BaseLay5
ELEVATION (mAHD)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
-95
-100
-105
-110
-115
-120
-125
-130
-135
-140
-145
-150
-155
-160
-165
-170
-175
-180
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
CUMULATIVE DISTANCE (KM)


MOOROOK
TopLay1
TopLay2
TopLay3
TopLay4
TopLay5
BaseLay5
ELEVATION (mAHD)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
-70
-75
-80
-85
-90
-95
-100
-105
-110
-115
-120
-125
-130
-135
-140
-145
-150
-155
-160
-165
-170
-175
-180
0
1
2
3
4
5
6
7
8
9
10
11
CUMULATIVE DISTANCE (KM)





LEGEND

step test analysis

T_LMF_2010

- 24.0 - 40.0
- 40.1 - 60.0
- 60.1 - 80.0
- 80.1 - 100.0
- 100.1 - 102.0
- Floodplain Extent

0 2.5 5
Kilometers

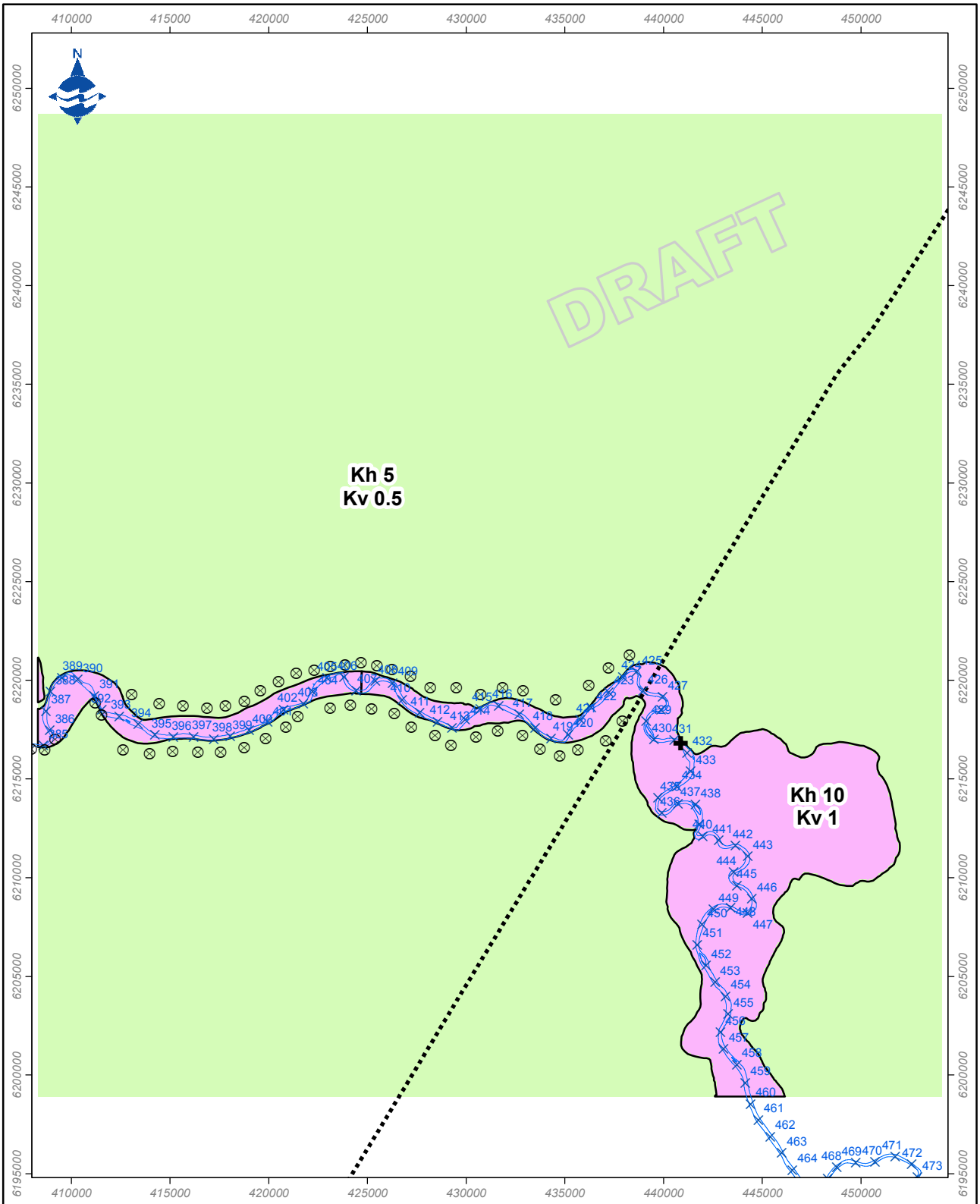
Australian WATER Environments

Woolpunda Groundwater Model

Transmissivity Estimates for the Lower Mannum Formation Aquifer

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- SISProductionBores111205
- Locks1-6
- riverkm_bporter
- HamleyFaultZ54
- rivermurray
- floodplainModelExtent

Layer1

- zone 3
- zone 4

0 3 6 9
Kilometers

Australian WATER Environments

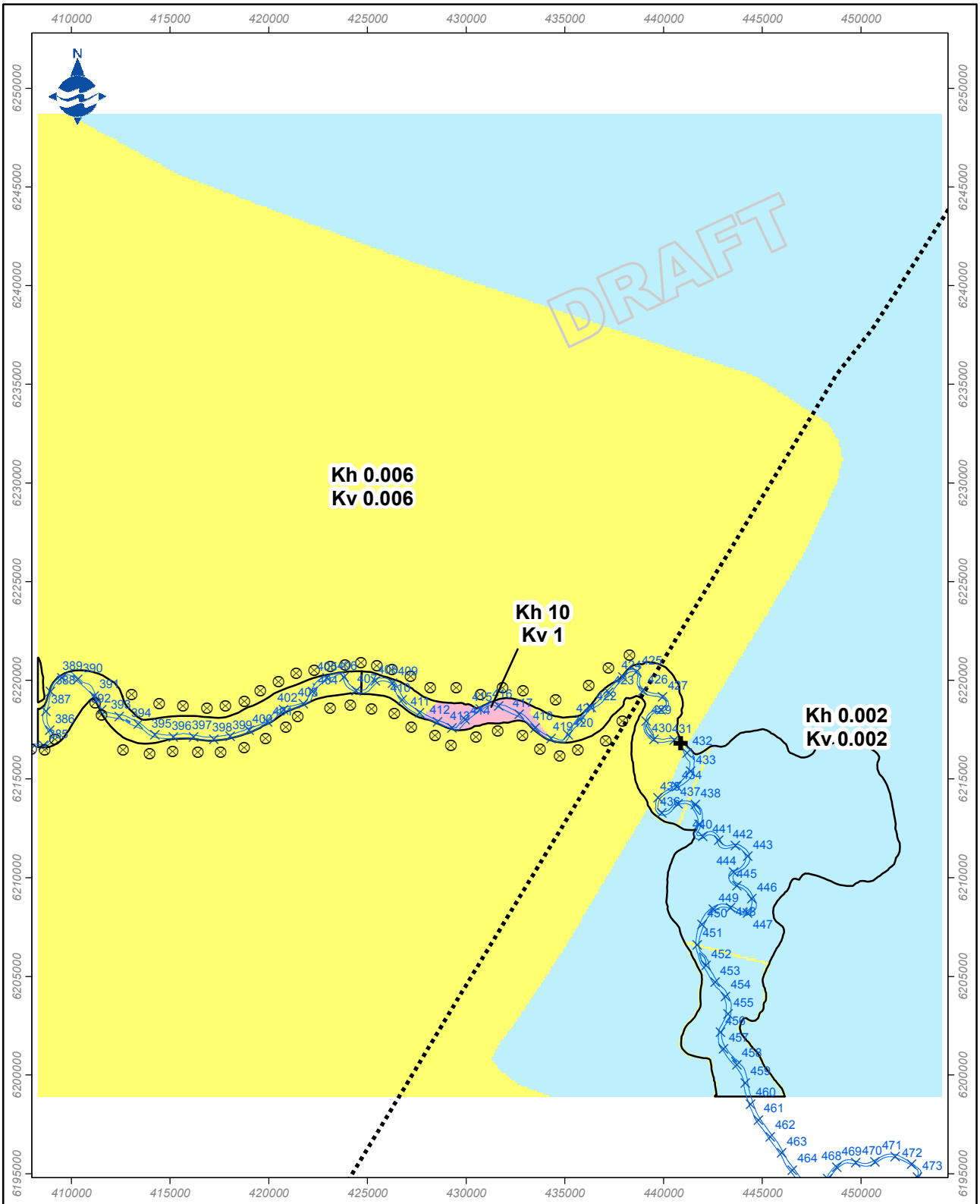
Waikerie 5 Year Review

Groundwater Model

Hydraulic Conductivity Zones Layer 1 - Loxton Sand / Monoman Formation

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- Locks1-6
- riverkm_bporter
- HamleyFaultZ54
- rivermurray
- floodplainModelExtent

Zone2

- zone 4
- zone 5
- zone 9

0 3 6 9
Kilometers

Australian WATER Environments

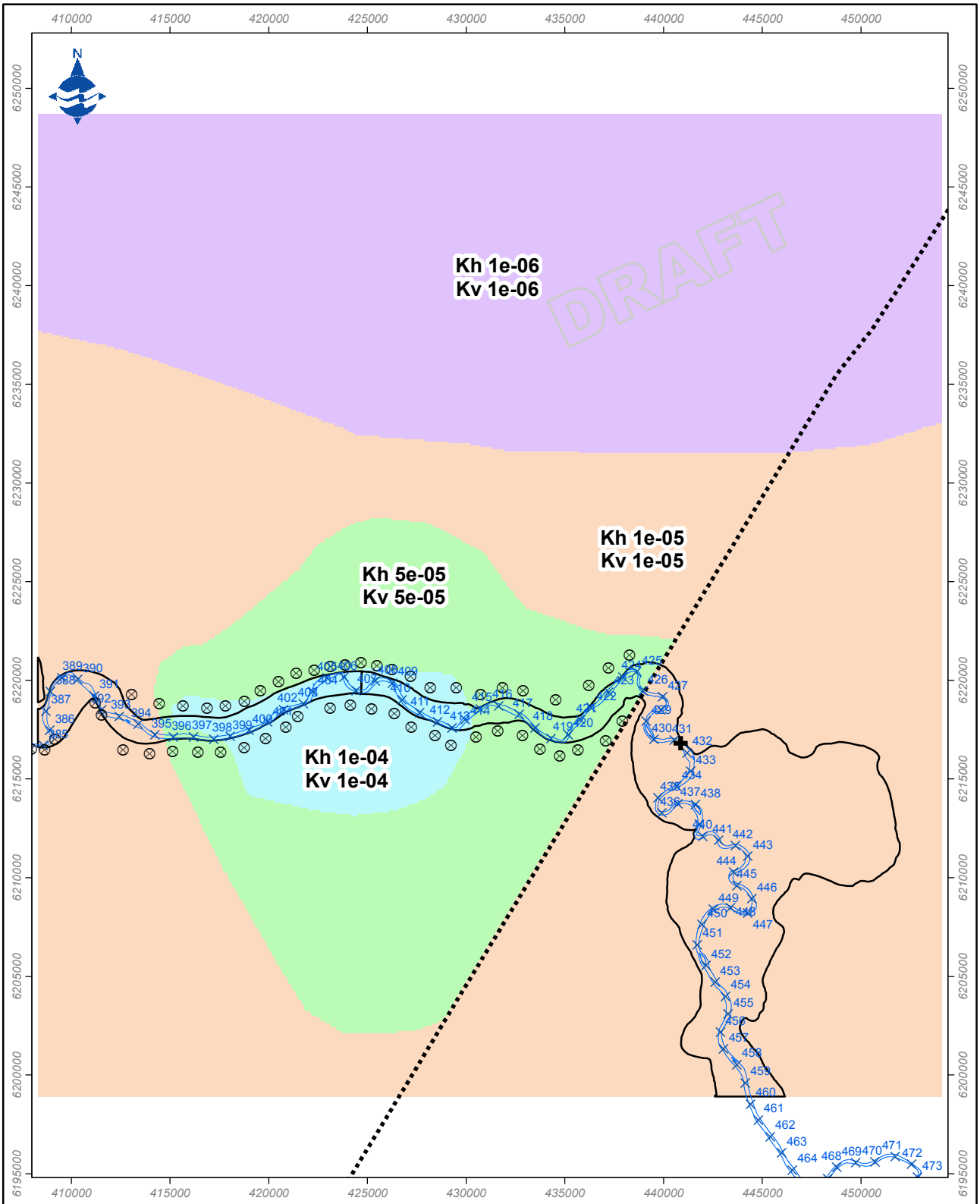
Waikerie 5 Year Review

Groundwater Model

Hydraulic Conductivity Zones Layer 2 - Murray Group (excl. LMF) and Booxton

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- riverkm_bporter
- HamleyFaultZ54
- rivermurray
- floodplainModelExtent

Layer 4

- zone 7
- zone 10
- zone 11
- zone 12

0 3 6 9
Kilometers

Australian WATER Environments

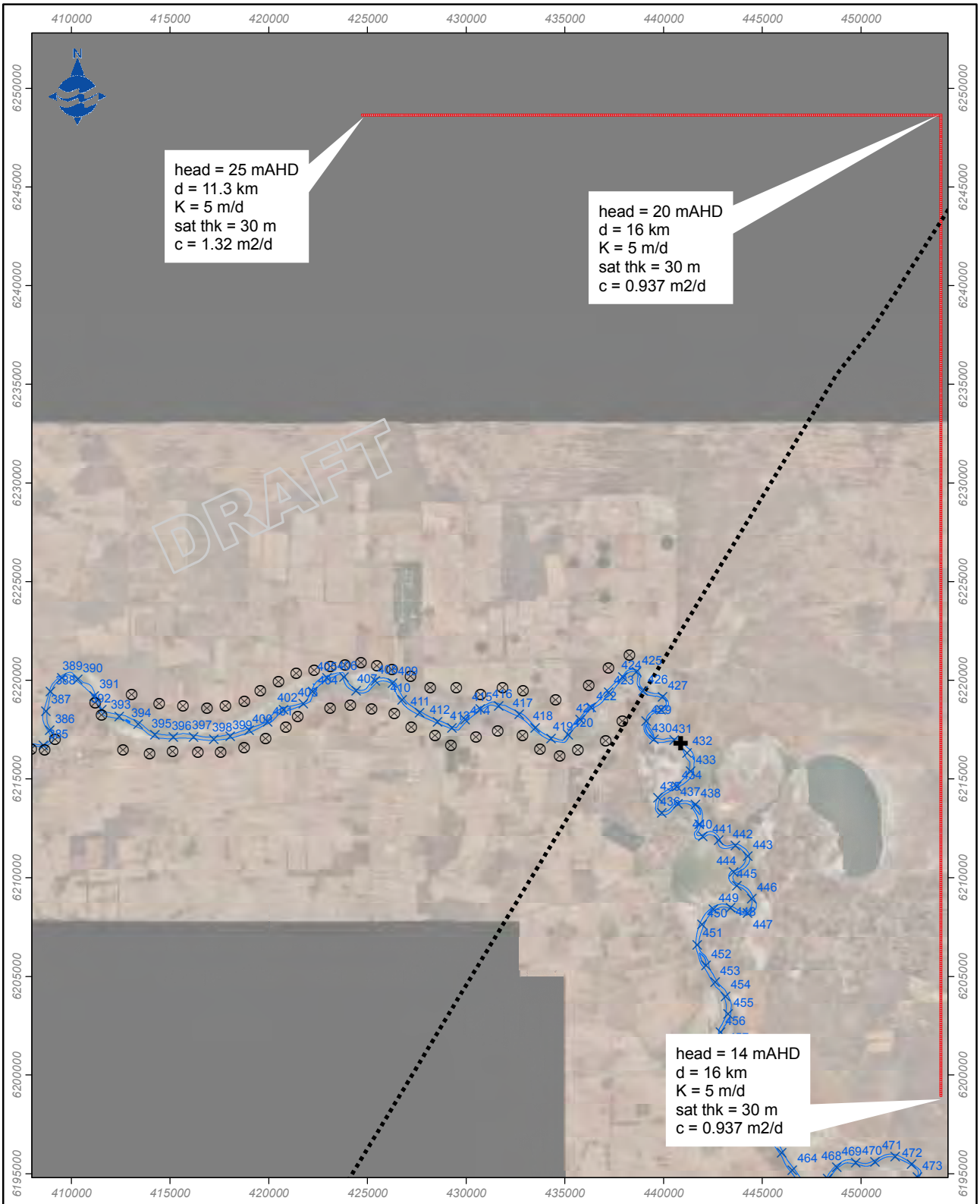
Waikerie 5 Year Review

Groundwater Model

Hydraulic Conductivity Zones Layer 4 - Ettrick Formation

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- riverkm_bporter
- HamleyFaultZ54
- ghbs_v2_121212
- rivermurray

0 3 6 9
Kilometers

Australian WATER Environments

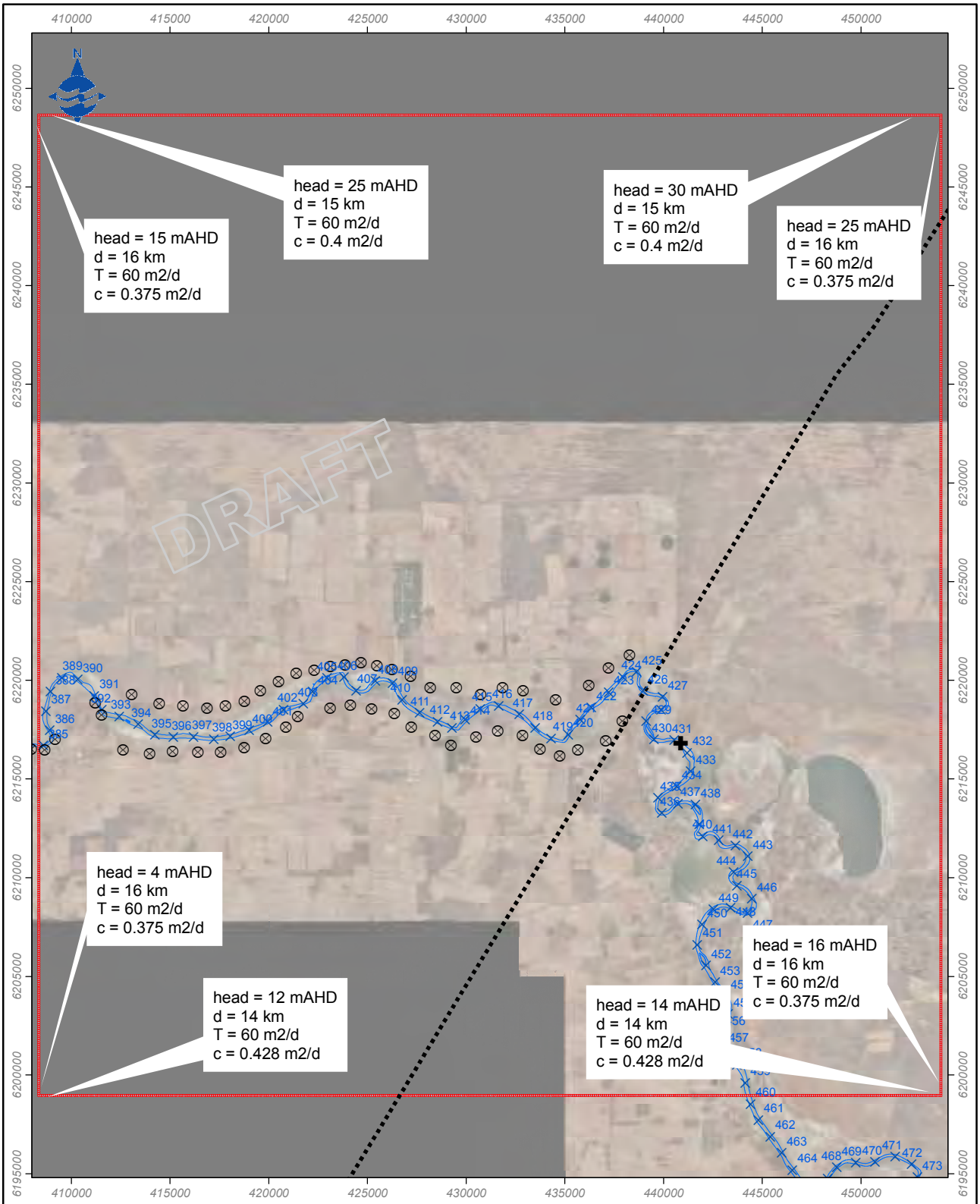
Waikerie 5 Year Review

Groundwater Model

General Head Boundary Conditions - Layer 1 (Loxton Sands Formation)

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- riverkm_bporter
- HamleyFaultZ54
- ghbs_v2_121212
- rivermurray

0 3 6 9
Kilometers

Australian WATER Environments

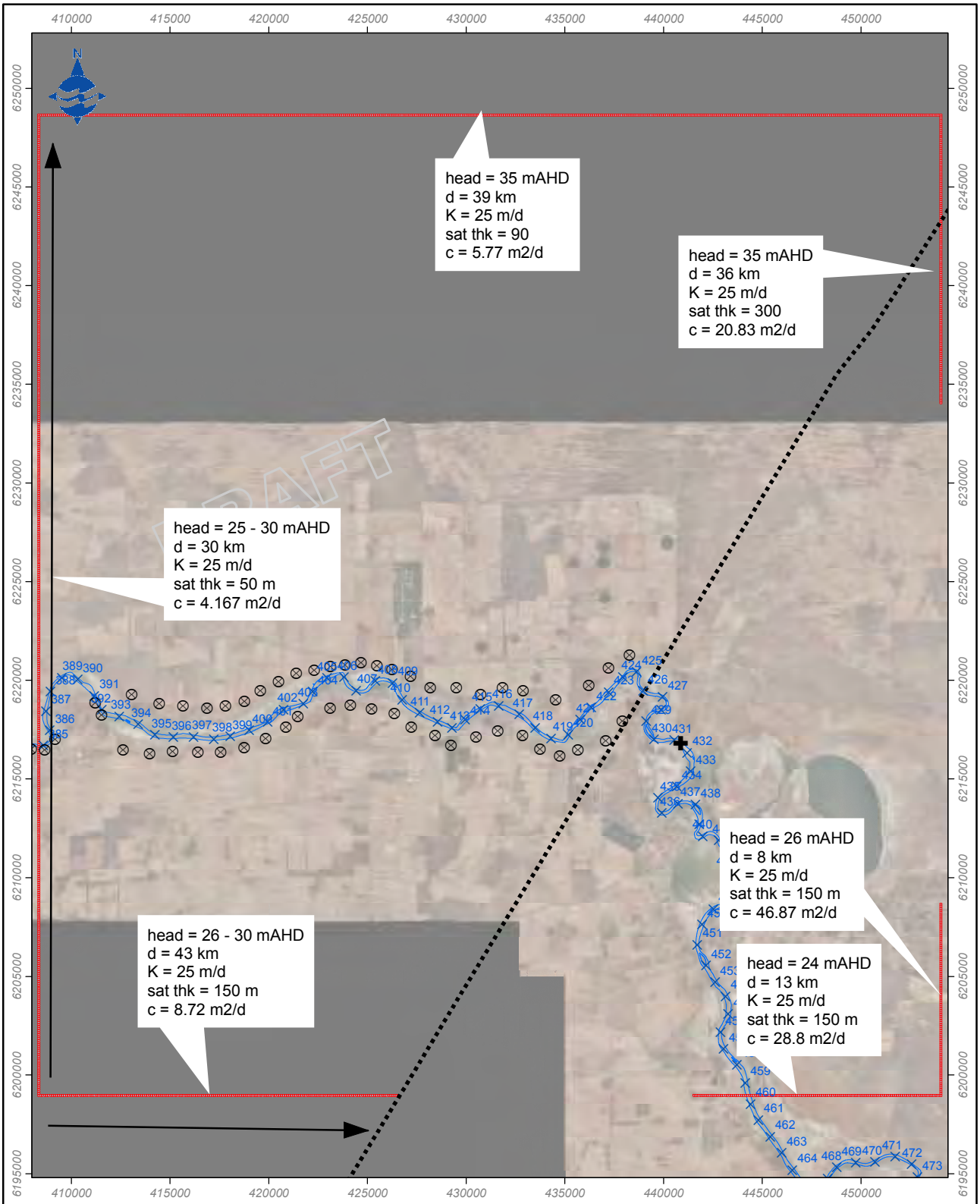
Waikerie 5 Year Review

Groundwater Model

General Head Boundary Conditions - Layer 3 (Lower Mannum Formation)

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- riverkm_bporter
- HamleyFaultZ54
- ghbs_v2_121212
- rivermurray

0 3 6 9
Kilometers

Australian WATER Environments

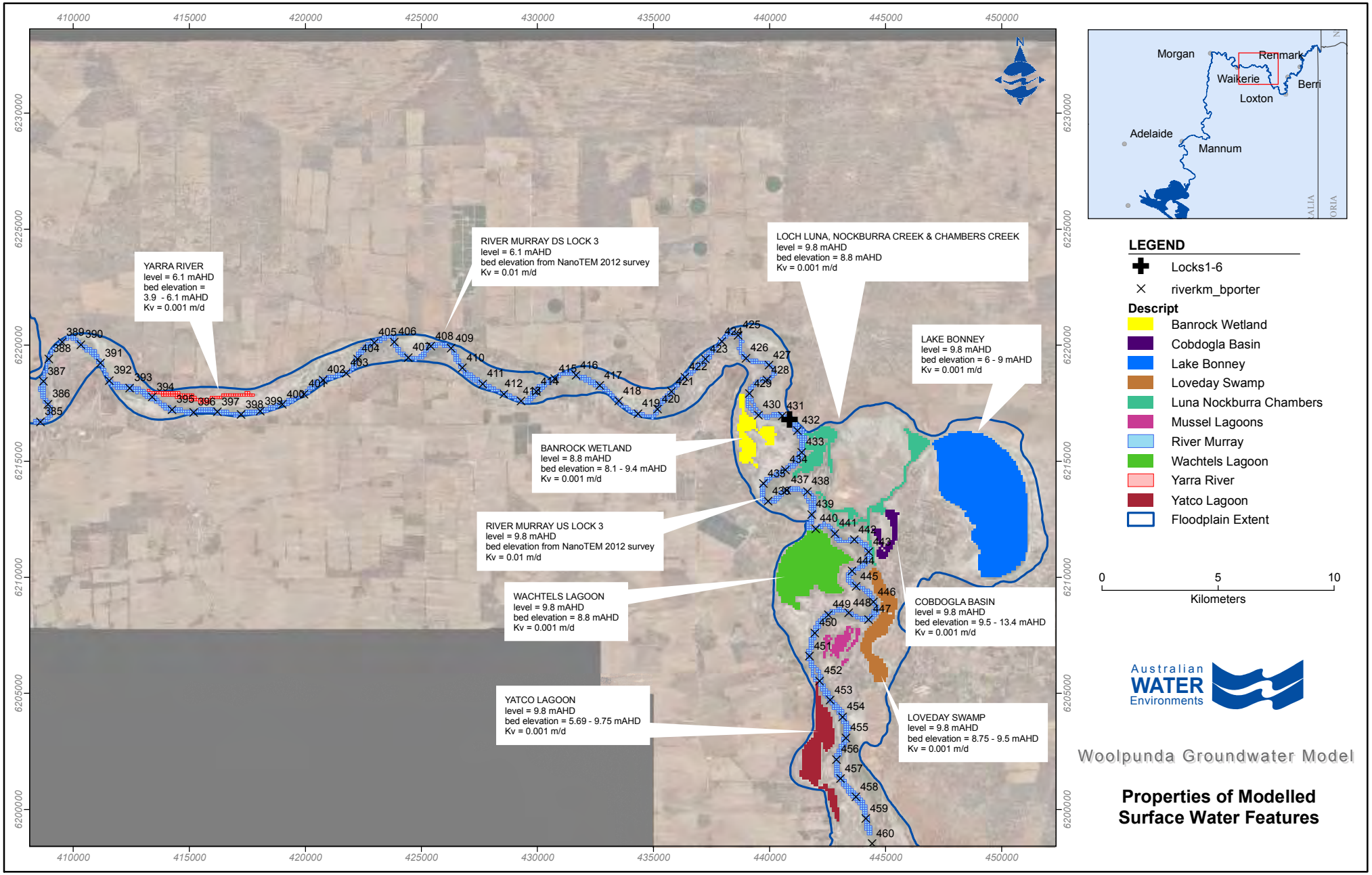
Waikerie 5 Year Review

Groundwater Model

General Head Boundary Conditions - Layer 5 (Renmark Group)

Job No. 12033 - xx
121212

Figure x.x



Job No. 12033 - xx
121212

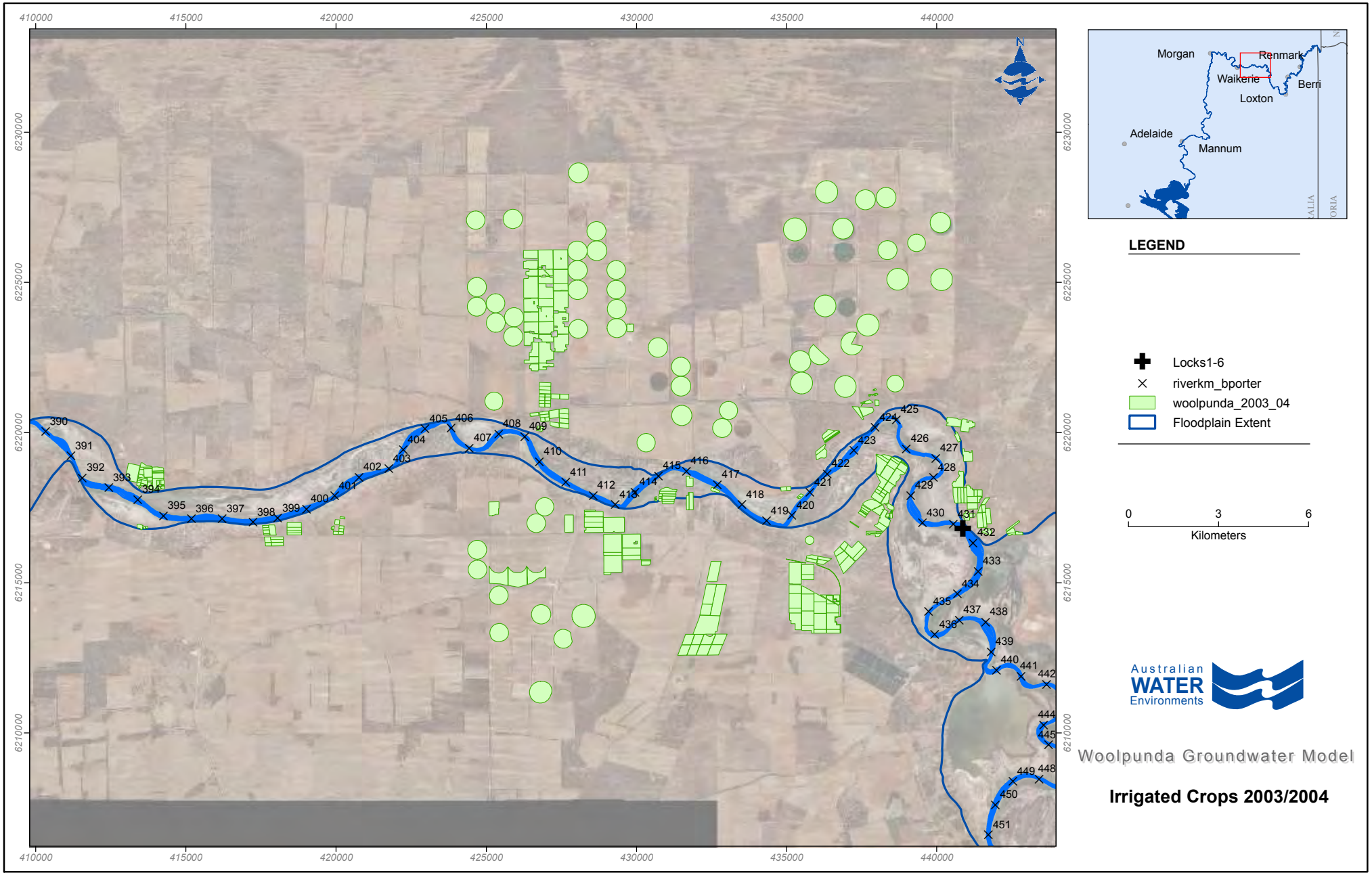
Figure x.x

WOOLPUNDA NORTH

Stress Period #	Start Date	End Date	Length (days)	Start Year	Stop Year	WOOL25	WOOL26	WOOL27	WOOL28	WOOL29	WOOL30	WOOL31	WOOL32	WOOL33	WOOL34	WOOL35	WOOL36	WOOL37	WOOL38	WOOL39	WOOL40	WOOL41	WOOL42	WOOL43	WOOL44	WOOL45	WOOL46	WOOL47	WOOL48	WOOL49
1			1	steady state		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1/01/1930	1/01/1950	7305	1930	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1/01/1950	1/01/1970	7305	1950	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1/01/1970	1/01/1975	1826.25	1970	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1/01/1975	1/01/1980	1826.25	1975	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1/01/1980	31/12/1984	1826.25	1980	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	31/12/1984	1/01/1988	1095.75	1985	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1/01/1988	1/01/1990	730.5	1988	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1/01/1990	1/01/1991	365.25	1990	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1/01/1991	2/07/1991	182.625	1991	1991.5	0	0	0	0	0	6.91	4.55	4.43	7.88	5.80	8.10	7.18	9.38	8.10	6.70	6.21	6.05	4.67	3.47	3.35	3.44	3.56	4.30	4.44	4.94
11	2/07/1991	1/01/1992	182.625	1991.5	1992	0	0	0	0	0	6.61	5.20	5.60	9.62	7.88	8.88	8.66	9.10	9.56	6.62	6.27	6.22	4.55	3.79	3.28	2.85	3.47	4.15	4.34	4.62
12	1/01/1992	2/07/1992	182.625	1992	1992.5	4.84	4.34	3.83	5.50	4.29	4.24	3.97	4.30	7.39	6.79	7.95	7.08	6.19	7.00	2.70	3.37	3.98	3.47	2.38	1.69	1.28	2.33	2.75	2.18	2.79
13	2/07/1992	31/12/1992	182.625	1992.5	1993	4.51	4.13	3.41	4.43	3.35	3.88	3.30	3.50	7.03	5.62	5.94	5.96	5.89	6.52	2.38	3.08	3.79	3.21	2.12	1.47	1.36	2.03	2.24	2.05	2.32
14	31/12/1992	2/07/1993	182.625	1993	1993.5	4.48	4.13	3.32	3.90	3.01	3.76	3.30	3.16	6.92	5.48	5.81	5.62	5.89	6.52	2.38	3.08	3.79	3.15	2.06	1.47	1.36	1.97	2.03	2.05	2.17
15	2/07/1993	1/01/1994	182.625	1993.5	1994	4.48	4.13	3.32	3.90	3.01	3.76	3.30	3.16	6.92	5.48	5.81	5.62	5.89	6.52	2.38	3.08	3.79	3.15	2.06	1.47	1.36	1.97	2.03	2.05	2.17
16	1/01/1994	2/07/1994	182.625	1994	1994.5	4.29	3.12	3.26	3.16	3.21	4.74	3.89	4.21	6.50	6.12	5.47	5.98	6.88	6.46	4.70	4.57	4.60	4.07	2.07	2.12	1.85	1.90	1.80	2.23	2.06
17	2/07/1994	1/01/1995	182.625	1994.5	1995	4.29	3.12	3.26	3.16	3.21	4.74	3.89	4.21	6.50	6.12	5.47	5.98	6.88	6.46	4.70	4.57	4.60	4.07	2.07	2.12	1.85	1.90	1.80	2.23	2.06
18	1/01/1995	2/07/1995	182.625	1995	1995.5	4.40	3.30	3.09	3.42	2.98	3.49	4.15	5.50	6.93	6.04	4.98	6.00	6.08	6.07	4.81	0.64	4.36	3.89	3.16	2.12	1.68	1.87	2.11	2.14	2.12
19	2/07/1995	1/01/1996	182.625	1995.5	1996	4.40	3.30	3.09	3.42	2.98	3.49	4.15	5.50	6.93	6.04	4.98	6.00	6.08	6.07	4.81	0.64	4.36	3.89	3.16	2.12	1.68	1.87	2.11	2.14	2.12
20	1/01/1996	2/07/1996	182.625	1996	1996.5	4.79	5.00	3.54	5.02	5.78	3.22	4.17	6.35	7.92	6.86	5.35	5.32	5.24	4.99	3.23	0.55	3.06	3.26	3.26	1.66	1.04	0.86	0.98	0.89	1.62
21	2/07/1996	31/12/1996	182.625	1996.5	1997	4.79	5.00	3.54	5.02	5.78	3.22	4.17	6.35	7.92	6.86	5.35	5.32	5.24	4.99	3.23	0.55	3.06	3.26	3.26	1.66	1.04	0.86	0.98	0.89	1.62
22	31/12/1996	2/07/1997	182.625	1997	1997.5	5.52	5.24	5.06	5.08	4.74	5.11	4.98	4.55	5.65	6.76	5.35	5.76	4.23	5.01	3.11	0.50	2.98	3.17	3.23	2.01	1.53	1.90	0.98	0.96	1.43
23	2/07/1997	1/01/1998	182.625	1997.5	1998	5.52	5.24	5.06	5.08	4.74	5.11	4.98	4.55	5.65	6.76	5.35	5.76	4.23	5.01	3.11	0.50	2.98	3.17	3.23	2.01	1.53	1.90	0.98	0.96	1.43
24	1/01/1998	2/07/1998	182.625	1998	1998.5	3.58	3.64	3.74	2.85	4.63	2.70	4.05	2.91	6.64	4.86	3.46	4.22	3.60	3.06	2.49	0.47	2.42	1.56	2.37	1.61	1.30	0.64	0.79	0.86	1.18
25	2/07/1998	1/01/1999	182.625	1998.5	1999	3.58	3.64	3.74	2.85	4.63	2.70	4.05	2.91	6.64	4.86	3.46	4.22	3.60	3.06	2.49	0.47	2.42	1.56	2.37	1.61	1.30	3.74	0.79	0.86	1.18
26	1/01/1999	2/07/1999	182.625	1999	1999.5	2.91	4.59	4.96	5.03	4.73	2.12	3.81	3.83	6.94	4.90	4.08	3.24	5.04	3.68	2.97	3.35	2.81	1.86	2.93	1.90	1.75	0.73	0.89	1.27	1.41
27	2/07/1999	1/01/2000	182.625	1999.5	2000	2.91	4.59	4.96	5.03	4.73	2.12	3.81	3.83	6.94	4.90	4.08	3.24	5.04	3.68	2.97	3.35	2.81	1.86	2.93	1.90	1.75	0.73	0.89	1.27	1.41
28	1/01/2000	2/07/2000	182.625	2000	2000.5	5.29	4.52	3.51	4.50	5.90	5.72	4.68	4.92	7.83	5.66	3.43	4.80	4.25	2.75	3.53	2.59	2.79	1.80	3.03	1.53	1.49	0.16	0.69	1.21	1.34
29	2/07/2000	31/12/2000	182.625	2000.5	2001	5.29	4.52	3.51	4.50	5.90	5.72	4.68	4.92	7.83	5.66	3.43	4.80	4.25	2.75	3.53	2.59	2.79	1.80	3.03	1.53	1.49	0.16	0.69	1.21	1.34
30	31/12/2000	2/07/2001	182.625	2001	2001.5	3.92	3.55	2.92	4.40	5.47	3.66	4.00	4.92	6.49	5.00	5.07	3.97	1.20	2.03	3.38	3.03	2.46	2.59	1.85	0.68	1.03	0.17	1.07	1.30	1.16
31	2/07/2001	1/01/2002	182.625	2001.5	2002	3.92	3.55	2.92	4.40	5.47	3.66	4.00	4.92	6.49	5.00	5.07	3.97	1.20	2.03	3.38	3.03	2.46	2.59	1.85	0.68	1.03	0.17	1.07	1.30	1.16
32	1/01/2002	2/07/2002	182.625	2002	2002.5	4.91	2.41	2.66	3.71	4.21	2.67	3.78	4.05	5.61	5.56	4.54	3.68	3.61	4.69	2.51	2.76	3.43	2.62	2.02	0.81	0.83	0.92	0.89	0.71	0.73
33	2/07/2002	1/01/2003	182.625	2002.5	2003	4.91	2.41	2.66	3.71	4.21	2.67	3.78	4.05	5.61	5.56	4.54	3.68	3.61	4.69	2.51	2.76	3.43	2.62	2.02	0.81	0.83	0.92	0.89	0.71	0.73
34	1/01/2003	2/07/2003	182.625	2003	2003.5	1.84	1.06	4.23	3.84	3.25	3.42	3.89	3.87	6.38	4.00	4.91	5.20	3.91	3.40	1.91	3.91	3.50	2.11	2.48	1.04	1.59	1.20	0.73	0.70	0.96
35	2/07/2003	1/01/2004	182.625	2003.5	2004	4.75	4.96	4.24	5.92	3.96	1.41	3.91	3.34	5.11	4.84	5.05	5.05	3.84	2.76	0.91	4.08	2.69	3.12	3.02	1.13	2.04	1.71	1.36	1.48	1.10
36	1/01/2004	2/07/2004	182.625	2004	2004.5	3.13	3.52	3.44	2.15	2.07	2.68	3.30	3.76	4.04	2.45	5.49	2.41	2.65	2.13	1.73	3.46	2.84	0.88	2.10	1.65	2.10	1.59	1.60	0.55	2.04
37	2/07/2004	31/12/2004	182.625	2004.5	2005	3.68	3.65	2.30	3.27	0.97	3.36	0.16	4.25	5.49	4.62	4.76	3.59	0.97	4.42	3.08	3.23	2.91	1.52	2.87	1.65	1.38	0.97	1.93	1.35	2.01
38	31/12/2004	2/07/2005	182.625	2005	2005.5	3.82	3.94	4.00	3.82	10.42	4.90	1.56	2.87	6.42	5.04	5.23	4.85	1.50	4.97	1.48	1.34	3.90	2.45	3.19	2.37	2.21	1.53	2.51	1.85	1.37
39	2/07/2005	1/01/2006	182.625	2005.5	2006	3.80	5.09	3.92	5.37	2.31	3.61	3.72	4.91	6.31	5.96	5.22	4.92	2.83	2.92	1.87	1.68	3.60	2.38	2.03	2.17	1.87	1.24	2.12	2.07	1.41
40	1/01/2006	2/07/2006	182.625	2006	2006.5	2.07	3.27	0.44	3.86	2.06	3.67	2.48	5.79	8.19	2.58	2.53	2.40	4.35	3.82	2.30	1.42	4.45	3.00	2.49	0.79	1.31	0.98	2.12	2.29	1.30
41	2/07/2006	1/01/2007	182.625	2006.5	2007	2.64	2.02	3.30	0.75	3.25	3.18	2.28	6.83	6.94	0.76	7.34	2.40	2.54	3.43	1.77	4.79	4.05	2.01	2.03	0.65	0.37	2.04	0.84	2.14	2.30
42	1/01/2007	2/07/2007	182.625	2007	2007.5	5.69	2.31	1.77	4.42	1.33	1.63	2.90	6.32	6.36	4.79	15.42	4.13	10.78	3.99	1.62	4.64	4.28	1.80	2.70	0.92	0.61	2.18	1.56	1.77	2.18
43	2/07/2007	1/01/2008	182.625	2007.5	2008	5.29	3.79	3.84	2.55	3.97	1.53	1.56	5.87	8.54	4.90	6.88	6.28	3.80	2.96	2.43	4.53	3.92	1.47	2.20	2.45	2.46	1.61	2.19	0.68	0.42
44	1/01/2008	2/07/2008	182.625	2008	2008.5	6.37	5.77	2.99	3.36	4.13	3.87	2.51	4.88	1.46	6.43	2.65	3.62	2.64	1.87	2.70	4.61	8.55	1.23	2.90	1.77	1.85	2.33	2.58	1.30	2.39
45	2/07/2008	31/12/2008	182.625	2008.5	2009	3.58	4.04	4.03	7.55	0.98	3.64	2.64	6.65	0.62	7.63	5.21	5.34	1.78	0.84	3.63	4.51	1.28	1.33	2.68	4.83	1.27	1.98	1.44	2.37	2.45
46	31/12/2008	2/07/2009	182.625	2009	2009.5	2.86	4.98	3.26	6.60	3.19	1.15	0.12	4.55	3.86	7.22	6.27	5.33	2.68	3.57	2.50	4.60	3.64	1.90	2.25	2.46	2.48	2.36	1.02	1.91	2.24
47	2/07/2009	1/01/2010	182.625	2009.5	2010	3.33	3.71	2.93	7.20	1.89	0.47	2.07	6.22	1.44	7.66	4.91	2.26	3.99	4.21	2.67	4.30	3.14	1.41	2.36	1.20	1.79	2.22	0.88	2.32	2.29
48	1/01/2010	2/07/2010	182.625	2010	2010.5	4.40	4.42	1.93	6.70	4.68	3.82	1.92	6.41	1.84	6.21	6.65	4.72	3.30	4.37	3.01	4.60	2.95	1.55	2.68	1.49	2.29	1.85	0.21	2.32	2.16
49	2/07/2010	1/01/2011	182.625	2010.5	2011	5.59	5.46	4.50	6.12	3.31	2.52	3.83	4.08	6.06	6.02	3.24	5.81	2.32	3.69	2.64	4.31	2.55	1.68	2.27	0.51	2.01	2.04	2.53	2.27	1.96
50	1/01/2011	2/07/2011	182.625	2011	2011.5	1.44	1.53	1.72	0.21	1.29	0.35	0.90	1.71	2.29	2.06	1.94	0.24	1.12	1.29	1.24	1.31	1.17	0.93	0.08	0.59	0.62	0.58	0.76	0.67	0.62
51	2/07/2011	1/01/2012	182.625	2011.5	2012	6.10	3.50	4.69	4.89	5.25	2.02	3.56	3.53	8.22	6.08	6.41	3.06	3.87	4.51	3.58	4.13	3.59	2.62	1.70	1.66	2.28	1.98	2.41	2.05	2.24
52	1/01/2012	2/07/2012	182.625	2012	2012.5	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
53	2/07/2012	31/12/2012	182.625	2012.5	2013	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
54	31/12/2012	1/01/2014	365.25	2013	2014	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
55	1/01/2014	1/01/2015	365.25	2014	2015	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
56	1/01/2015	1/01/2016	365.25	2015	2016	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
57	1/01/2016	31/12/2016	365.25	2016	2017	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
58	31/12/2016	1/01/2018	365.25	2017	2018	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
59	1/01/2018	1/01/2019	365.25	2018	2019	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
60	1/01/2019	1/01/2020	365.25	2019	2020	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
61	1/01/2020	31/12/2020	365.25	2020	2021	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
62	31/12/2020	1/01/2022	365.25	2021	2022	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
63	1/01/2022	1/01/2023	365.25	2022	2023	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
64	1/01/2023	1/01/2024	365.25	2023	2024	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
65	1/01/2024	31/12/2024	365.25	2024	2025	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
66	31/12/2024	1/01/2026	365.25	2025	2026	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
67	1/01/2026	1/01/2027	365.25	2026	2027	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
68	1/01/2027	1/01/2028	365.25	2027	2028	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
69	1/01/2028	31/12/2028	365.25	2028	2029	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
70	31/12/2028	1/01/2030	365.25	2029	2030	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
71	1/01/2030	1/01/2031	365.25	2030	2031	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
72	1/01/2031	1/01/2032	365.25	2031	2032	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
73	1/01/2032	31/12/2032	365.25	2032	2033	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
74	31/12/2032	1/01/2034	365.25	2033	2034	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
75	1/01/2034	1/01/2035	365.25	2034	2035	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
76	1/01/2035	1/01/2036	365.25	2035	2036	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
77	1/01/2036	31/12/2036	365.25	2036	2037	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
78	31/12/2036	1/01/2038	365.25	2037	2038	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
79	1/01/2038	1/01/2039	365.25	2038	2039	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
80	1/01/2039	1/01/2040	365.25	2039	2040	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
81	1/01/2040	1/01/2050	3652.5	2040	2050	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
82	1/01/2050	1/01/2060	3652.5	2050	2060	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
83	1/01/2060	1/01/2070	3652.5	2060	2070	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
84	1/01/2070	1/01/2080	3652.5	2070	2080	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
85	1/01/2080	1/01/2090	3652.5	2080	2090	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
86	1/01/2090	1/01/2100	3652.5	2090	2100	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
87	1/01/2100	2/01/2110	3652.5	2100	2110	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
88	2/01/2110	2/01/2111	365.25	2110	2111	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
89	2/01/2111	2/01/2112	365.25	2111	2112	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80
90	2/01/2112	1/01/2113	365.25	2112	2113	3.50	4.04	2.49	5.11	2.10	1.40	1.68	1.98	4.18	5.00	5.79	4.78	6.04	4.27	0.00	3.39	2.39	3.15	3.05	1.48	1.21	2.06	2.16	1.88	1.80

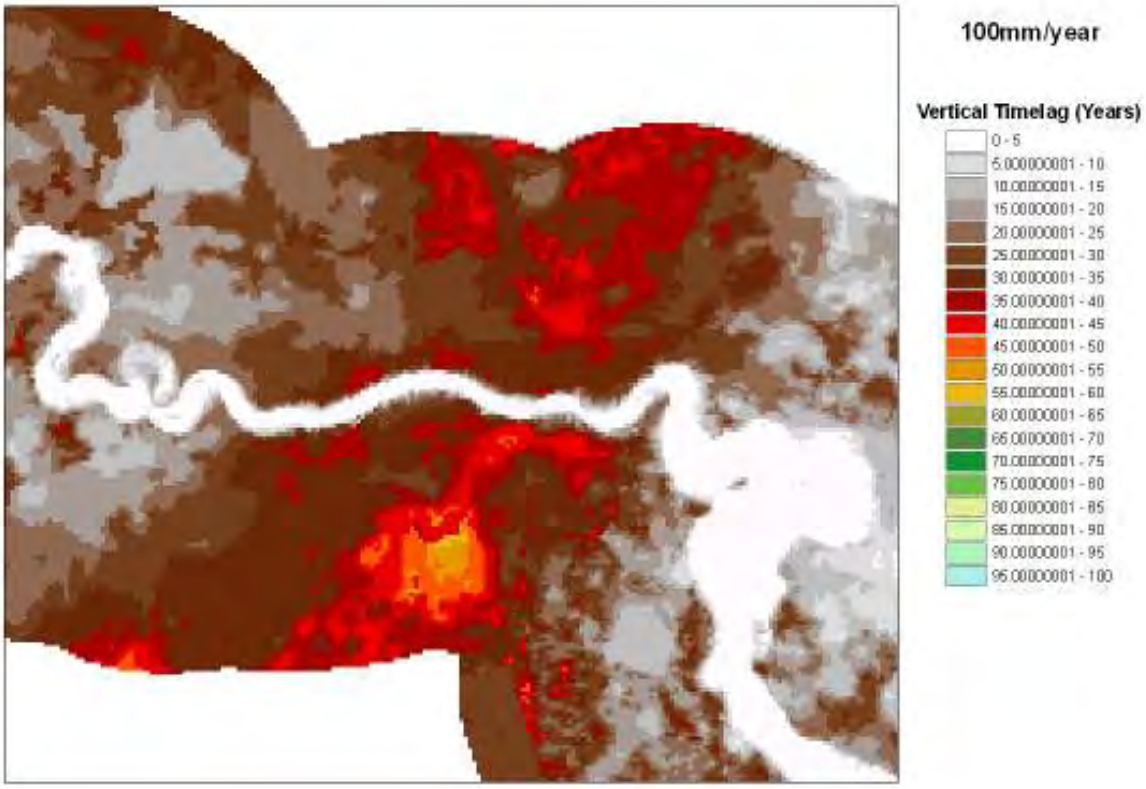
WOOLPUNDA SOUTH

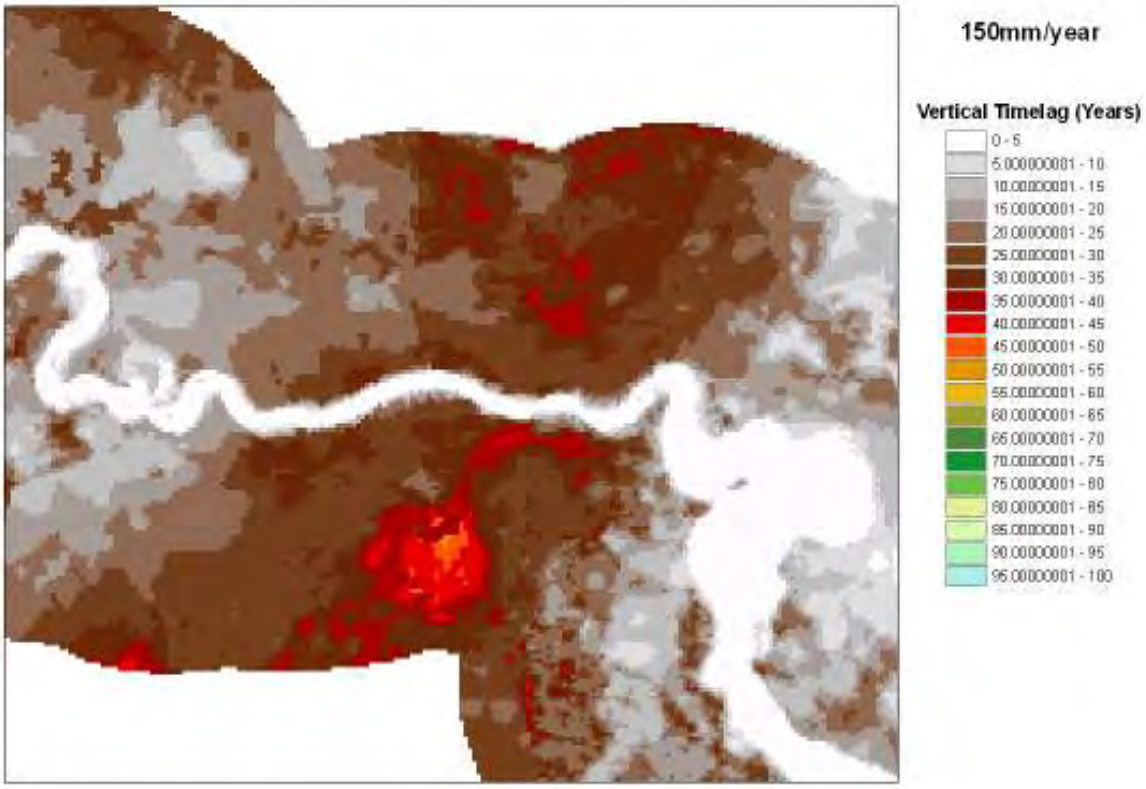
Stress Period #	Start Date	End Date	Length (days)	Start Year	Stop Year	WOOL1	WOOL2	WOOL3	WOOL4	WOOL5	WOOL6	WOOL7	WOOL8	WOOL9	WOOL10	WOOL11	WOOL12	WOOL13	WOOL14	WOOL15	WOOL16	WOOL17	WOOL18	WOOL19	WOOL20	WOOL21	WOOL22	WOOL23	WOOL24
1			1	steady state		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1/01/1930	1/01/1950	7305	1930	1950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1/01/1950	1/01/1970	7305	1950	1970	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1/01/1970	1/01/1975	1826.25	1970	1975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1/01/1975	1/01/1980	1826.25	1975	1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1/01/1980	31/12/1984	1826.25	1980	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	31/12/1984	1/01/1988	1095.75	1985	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1/01/1988	1/01/1990	730.5	1988	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1/01/1990	1/01/1991	365.25	1990	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1/01/1991	2/07/1991	182.625	1991	1991.5	0	0	0	0	0	0	4.24	4.12	6.01	3.16	6.86	3.74	3.99	4.37	3.46	6.13	6.13	6.75	6.29	5.58	5.89	3.66	3.98	3.99
11	2/07/1991	1/01/1992	182.625	1991.5	1992	0	0	0	0	0	0	4.14	3.83	7.67	4.38	6.80	2.95	4.41	4.35	4.42	6.44	6.13	6.75	6.60	3.94	6.61	3.13	3.83	4.04
12	1/01/1992	2/07/1992	182.625	1992	1992.5	3.07	3.26	0	4.40	4.49	0	3.72	3.49	6.16	4.23	4.57	2.56	3.39	3.58	3.80	4.27	4.02	4.55	4.09	1.90	2.81	1.26	2.38	3.22
13	2/07/1992	31/12/1992	182.625	1992.5	1993	3.07	2.88	0	4.40	3.50	0	3.28	2.50	5.21	4.16	3.09	3.61	3.34	3.58	3.67	4.29	4.12	4.55	3.87	5.12	2.44	1.18	2.19	3.09
14	31/12/1992	2/07/1993	182.625	1993	1993.5	3.20	2.63	3.23	3.51	3.06	3.45	3.55	2.50	5.28	6.78	3.09	3.57	3.34	4.33	5.10	4.29	6.86	7.74	7.00	5.12	2.32	3.11	2.19	3.09
15	2/07/1993	1/01/1994	182.625	1993.5	1994	2.82	2.63	3.23	3.51	3.06	3.45	3.55	2.50	5.28	6.78	3.09	3.57	3.34	4.33	5.10	4.29	6.86	7.74	7.00	5.12	2.32	3.11	2.19	3.09
16	1/01/1994	2/07/1994	182.625	1994	1994.5	2.82	3.21	3.45	3.91	2.89	2.92	3.43	4.97	7.07	7.04	6.89	6.08	5.18	6.07	5.81	6.59	7.10	7.38	6.95	5.88	3.95	3.80	3.16	2.86
17	2/07/1994	1/01/1995	182.625	1994.5	1995	2.82	3.21	3.45	3.91	2.89	2.92	3.43	4.97	7.07	7.04	6.89	6.08	5.18	6.07	5.81	6.59	7.10	7.38	6.95	5.88	3.95	3.80	3.16	2.86
18	1/01/1995	2/07/1995	182.625	1995	1995.5	2.83	3.05	3.12	4.97	2.81	1.55	3.55	3.17	7.42	6.01	7.02	5.60	4.57	5.78	4.96	6.44	5.90	5.49	7.17	5.66	4.14	3.67	3.17	2.71
19	2/07/1995	1/01/1996	182.625	1995.5	1996	2.83	3.05	3.12	4.97	2.81	1.55	3.55	3.17	7.42	6.01	7.02	5.60	4.57	5.78	4.96	6.44	5.90	5.49	7.17	5.66	4.14	3.67	3.17	2.71
20	1/01/1996	2/07/1996	182.625	1996	1996.5	2.56	3.17	3.29	4.45	4.94	2.79	3.28	4.36	7.76	5.35	6.58	5.47	6.58	7.28	5.06	6.78	7.04	6.84	7.21	5.48	4.09	3.35	2.88	2.82
21	2/07/1996	31/12/1996	182.625	1996.5	1997	2.56	3.17	3.29	4.45	4.94	2.79	3.28	4.36	7.76	5.35	6.58	5.47	6.58	7.28	5.06	6.78	7.04	6.84	7.21	5.48	4.09	3.35	2.88	2.82
22	31/12/1996	2/07/1997	182.625	1997	1997.5	2.35	2.65	3.34	3.96	5.08	3.46	3.10	4.00	4.50	6.75	6.99	6.24	5.11	5.53	4.60	6.41	7.01	6.45	7.32	6.55	4.79	3.35	2.87	2.88
23	2/07/1997	1/01/1998	182.625	1997.5	1998	2.35	2.65	3.34	3.96	5.08	3.46	3.10	4.00	4.50	6.75	6.99	6.24	5.11	5.53	4.60	6.41	7.01	6.45	7.32	6.55	4.79	3.35	2.87	2.88
24	1/01/1998	2/07/1998	182.625	1998	1998.5	1.82	1.86	2.64	3.18	3.64	3.03	2.75	4.92	3.25	6.25	5.33	5.19	4.66	3.93	4.81	5.84	5.50	5.97	5.68	5.11	4.62	3.40	1.92	2.50
25	2/07/1998	1/01/1999	182.625	1998.5	1999	1.82	1.86	2.64	3.18	3.64	3.03	2.75	4.92	3.25	6.25	5.33	5.19	4.66	3.93	4.81	5.84	5.50	5.97	5.68	5.11	4.62	3.40	1.92	2.50
26	1/01/1999	2/07/1999	182.625	1999	1999.5	1.79	2.08	2.29	4.01	2.97	3.46	2.53	4.56	5.13	6.67	5.43	5.36	4.01	4.32	5.65	6.37	4.97	6.53	6.09	5.91	5.02	3.91	2.57	2.63
27	2/07/1999	1/01/2000	182.625	1999.5	2000	1.79	2.08	2.29	4.01	2.97	3.46	2.53	4.56	5.13	6.67	5.43	5.36	4.01	4.32	5.65	6.37	4.97	6.53	6.09	5.91	5.02	3.91	2.57	2.63
28	1/01/2000	2/07/2000	182.625	2000	2000.5	1.89	3.00	2.64	3.74	3.88	2.92	3.07	2.55	6.73	6.21	6.06	4.80	4.07	4.78	4.23	6.91	6.55	5.57	6.13	6.70	4.57	4.44	2.53	2.91
29	2/07/2000	31/12/2000	182.625	2000.5	2001	1.89	3.00	2.64	3.74	3.88	2.92	3.07	2.55	6.73	6.21	6.06	4.80	4.07	4.78	4.23	6.91	6.55	5.57	6.13	6.70	4.57	4.44	2.53	2.91
30	31/12/2000	2/07/2001	182.625	2001	2001.5	1.29	1.39	1.74	1.77	2.22	2.01	1.66	5.42	6.90	2.21	2.10	1.23	3.14	4.52	5.73	6.30	5.55	4.61	6.17	6.00	3.34	3.98	2.61	2.65
31	2/07/2001	1/01/2002	182.625	2001.5	2002	1.29	1.39	1.74	1.77	2.22	2.01	1.66	5.42	6.90	2.21	2.10	1.23	3.14	4.52	5.73	6.30	5.55	4.61	6.17	6.00	3.34	3.98	2.61	2.65
32	1/01/2002	2/07/2002	182.625	2002	2002.5	1.30	1.40	1.27	1.93	1.74	1.12	1.67	4.24	5.25	3.15	2.32	3.92	0.72	3.81	4.48	5.23	5.79	4.36	5.66	3.62	4.12	3.72	2.58	2.44
33	2/07/2002	1/01/2003	182.625	2002.5	2003	1.30	1.40	1.27	1.93	1.74	1.12	1.67	4.24	5.25	3.15	2.32	3.92	0.72	3.81	4.48	5.23	5.79	4.36	5.66	3.62	4.12	3.72	2.58	2.44
34	1/01/2003	2/07/2003	182.625	2003	2003.5	1.57	1.50	1.68	2.25	2.07	1.57	2.03	5.11	4.19	4.01	3.61	2.69	2.69	2.51	3.67	4.39	4.04	6.70	6.52	5.72	5.45	3.53	2.77	2.49
35	2/07/2003	1/01/2004	182.625	2003.5	2004	1.21	2.04	2.44	1.95	2.18	1.54	1.72	4.75	0.28	2.81	2.06	1.74	2.66	1.91	1.96	2.37	4.27	5.70	7.49	5.80	6.38	3.33	3.53	1.61
36	1/01/2004	2/07/2004	182.625	2004	2004.5	1.23	1.21	1.64	2.02	1.43	1.51	2.10	6.06	6.12	3.67	4.54	3.60	3.94	4.36	3.09	4.00	5.36	7.58	7.19	5.97	6.14	3.04	3.42	3.80
37	2/07/2004	31/12/2004	182.625	2004.5	2005	1.47	1.60	1.56	2.10	2.18	1.42	1.98	5.23	7.39	1.52	4.05	3.53	3.47	3.94	3.45	3.35	3.45	7.69	7.76	6.54	5.11	4.16	3.90	3.53
38	31/12/2004	2/07/2005	182.625	2005	2005.5	2.25	0.94	2.32	3.54	3.41	1.21	2.97	1.22	7.04	6.09	5.66	4.45	4.68	6.18	4.17	3.06	7.64	7.64	7.52	6.29	5.86	4.13	2.80	2.41
39	2/07/2005	1/01/2006	182.625	2005.5	2006	1.52	1.99	1.40	2.22	2.33	1.07	1.82	5.24	6.17	2.61	3.92	3.38	3.49	3.95	3.13	3.55	7.80	7.77	7.61	6.49	6.06	4.26	3.74	1.12
40	1/01/2006	2/07/2006	182.625	2006	2006.5	1.07	2.31	0.75	0.00	0.64	1.82	1.31	3.60	4.05	2.14	2.89	1.12	1.25	1.09	0.17	1.12	2.19	1.20	0.54	3.38	3.12	2.21	1.75	2.66
41	2/07/2006	1/01/2007	182.625	2006.5	2007	0.67	1.84	1.08	1.74	1.90	1.51	0.62	3.63	5.49	3.67	3.12	4.78	4.32	3.11	0.76	4.29	7.97	7.46	4.38	4.09	5.39	4.34	4.22	1.60
42	1/01/2007	2/07/2007	182.625	2007	2007.5	2.06	1.54	1.18	2.55	2.48	1.64	2.48	3.66	5.74	5.01	5.30	1.75	1.38	4.22	3.74	4.16	6.24	7.04	7.55	4.68	5.54	3.24	4.12	0.58
43	2/07/2007	1/01/2008	182.625	2007.5	2008	1.84	1.44	1.44	2.33	1.80	1.58	1.61	3.83	5.75	5.69	4.16	2.65	3.16	2.59	3.04	3.48	5.98	5.69	3.93	6.50	6.54	4.53	4.09	0.12
44	1/01/2008	2/07/2008	182.625	2008	2008.5	2.18	2.05	1.89	2.80	2.62	2.28	2.00	3.72	4.25	5.39	3.23	3.54	4.84	1.69	1.22	3.80	7.28	6.31	6.73	5.36	4.97	4.35	4.19	0.23
45	2/07/2008	31/12/2008	182.625	2008.5	2009	1.80	2.57	2.14	1.06	3.31	2.41	1.34	3.52	3.25	5.24	3.77	4.58	2.09	3.04	2.44	1.77	8.01	7.01	7.58	3.09	5.64	4.58	4.06	2.49
46	31/12/2008	2/07/2009	182.625	2009	2009.5	2.28	2.48	1.92	2.87	2.64	2.20	1.22	2.31	5.31	4.92	4.94	2.14	4.17	3.46	3.35	3.84	7.74	5.41	0.72	1.32	3.09	4.37	4.34	4.13
47	2/07/2009	1/01/2010	182.625	2009.5	2010	2.11	2.21	1.73	2.21	3.07	2.51	1.00	2.23	5.41	4.68	2.61	1.97	3.59	3.68	3.17	5.40	7.41	4.94	5.52	4.47	6.36	4.07	4.29	4.03
48	1/01/2010	2/07/2010	182.625	2010	2010.5	2.61	0.28	2.25	2.48	2.08	2.81	2.62	2.52	5.94	3.08	4.31	2.51	3.00	7.19	3.98	6.62	7.30	0.92	7.94	6.81	6.50	4.26	1.32	3.78
49	2/07/2010	1/01/2011	182.625	2010.5	2011	1.49	0.08	1.86	2.10	2.73	2.16	2.02	4.90	6.07	4.39	4.86	3.00	3.84	4.70	4.50	4.34	5.45	1.26	7.94	6.80	6.53	3.38	1.78	3.22
50	1/01/2011	2/07/2011	182.625	2011	2011.5	0.26	0.00	0.27	0.10	0.37	0.25	0.28	0.49	0.02	0.51	0.68	0.57	0.50	0.64	0.33	0.56	0.65	0.50	0.62	0.44	0.50	0.32	0.21	0.30
51	2/07/2011	1/01/2012	182.625	2011.5	2012	1.85	2.79	4.23	1.21	3.68	3.90	1.73	5.23	2.29	5.14	6.01	6.84	4.55	7.12	2.99	6.77	7.94	7.71	6.91	6.56	5.75	3.30	2.29	3.18
52	1/01/2012	2/07/2012	182.625	2012	2012.5	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
53	2/07/2012	31/12/2012	182.625	2012.5	2013	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
54	31/12/2012	1/01/2014	365.25	2013	2014	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
55	1/01/2014	1/01/2015	365.25	2014	2015	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
56	1/01/2015	1/01/2016	365.25	2015	2016	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
57	1/01/2016	31/12/2016	365.25	2016	2017	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
58	31/12/2016	1/01/2018	365.25	2017	2018	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
59	1/01/2018	1/01/2019	365.25	2018	2019	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
60	1/01/2019	1/01/2020	365.25	2019	2020	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
61	1/01/2020	31/12/2020	365.25	2020	2021	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
62	31/12/2020	1/01/2022	365.25	2021	2022	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
63	1/01/2022	1/01/2023	365.25	2022	2023	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
64	1/01/2023	1/01/2024	365.25	2023	2024	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
65	1/01/2024	31/12/2024	365.25	2024	2025	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
66	31/12/2024	1/01/2026	365.25	2025	2026	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
67	1/01/2026	1/01/2027	365.25	2026	2027	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
68	1/01/2027	1/01/2028	365.25	2027	2028	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
69	1/01/2028	31/12/2028	365.25	2028	2029	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
70	31/12/2028	1/01/2030	365.25	2029	2030	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
71	1/01/2030	1/01/2031	365.25	2030	2031	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
72	1/01/2031	1/01/2032	365.25	2031	2032	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
73	1/01/2032	31/12/2032	365.25	2032	2033	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
74	31/12/2032	1/01/2034	365.25	2033	2034	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
75	1/01/2034	1/01/2035	365.25	2034	2035	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
76	1/01/2035	1/01/2036	365.25	2035	2036	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
77	1/01/2036	31/12/2036	365.25	2036	2037	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
78	31/12/2036	1/01/2038	365.25	2037	2038	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
79	1/01/2038	1/01/2039	365.25	2038	2039	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
80	1/01/2039	1/01/2040	365.25	2039	2040	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
81	1/01/2040	1/01/2050	3652.5	2040	2050	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
82	1/01/2050	1/01/2060	3652.5	2050	2060	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
83	1/01/2060	1/01/2070	3652.5	2060	2070	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
84	1/01/2070	1/01/2080	3652.5	2070	2080	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
85	1/01/2080	1/01/2090	3652.5	2080	2090	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
86	1/01/2090	1/01/2100	3652.5	2090	2100	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
87	1/01/2100	2/01/2110	3652.5	2100	2110	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
88	2/01/2110	2/01/2111	365.25	2110	2111	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
89	2/01/2111	2/01/2112	365.25	2111	2112	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48
90	2/01/2112	1/01/2113	365.25	2112	2113	3.69	1.84	3.96	2.39	4.59	1.45	3.93	4.91	0.83	6.60	8.07	6.75	4.84	3.88	4.11	6.75	6.49	6.28	7.43	5.91	5.95	3.92	2.67	3.48



Job No. 12033 - xx
121212

Figure x.x


100mm/year
Vertical Timelag (Years)
0 - 5
5.00000001 - 10
10.00000001 - 15
15.00000001 - 20
20.00000001 - 25
25.00000001 - 30
30.00000001 - 35
35.00000001 - 40
40.00000001 - 45
45.00000001 - 50
50.00000001 - 55
55.00000001 - 60
60.00000001 - 65
65.00000001 - 70
70.00000001 - 75
75.00000001 - 80
80.00000001 - 85
85.00000001 - 90
90.00000001 - 95
95.00000001 - 100


150mm/year
Vertical Timelag (Years)
0 - 5
5.00000001 - 10
10.00000001 - 15
15.00000001 - 20
20.00000001 - 25
25.00000001 - 30
30.00000001 - 35
35.00000001 - 40
40.00000001 - 45
45.00000001 - 50
50.00000001 - 55
55.00000001 - 60
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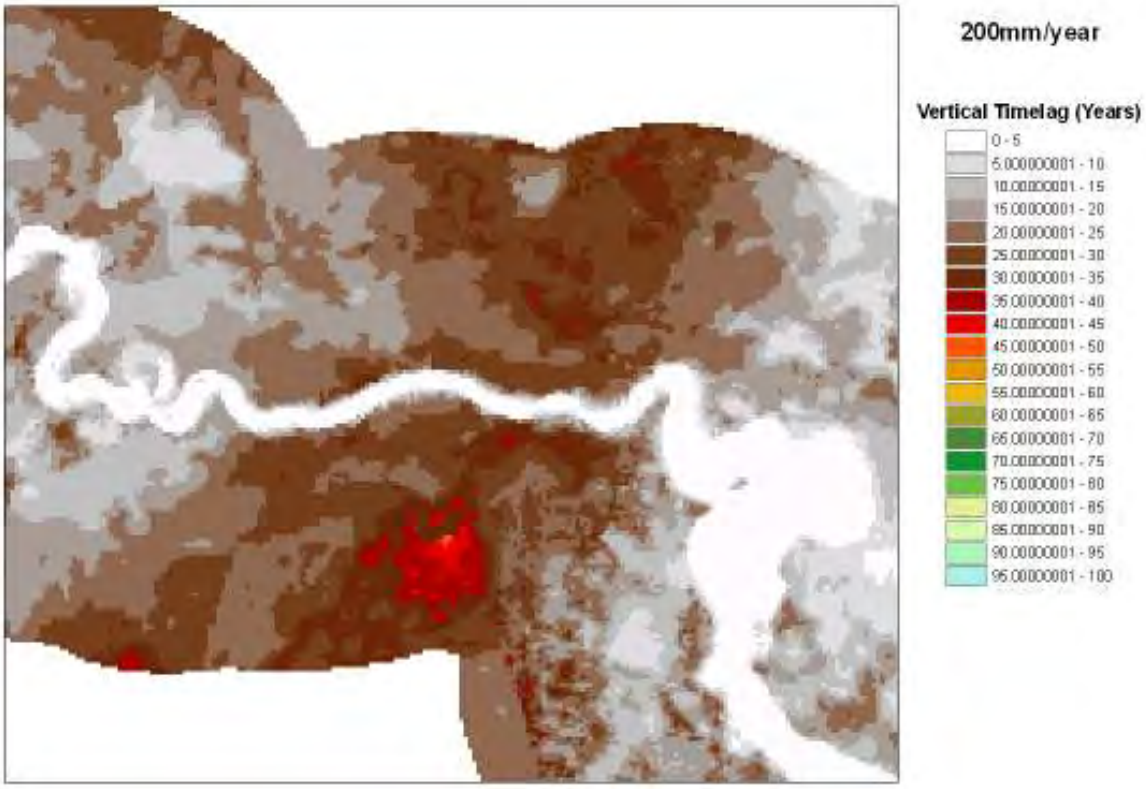
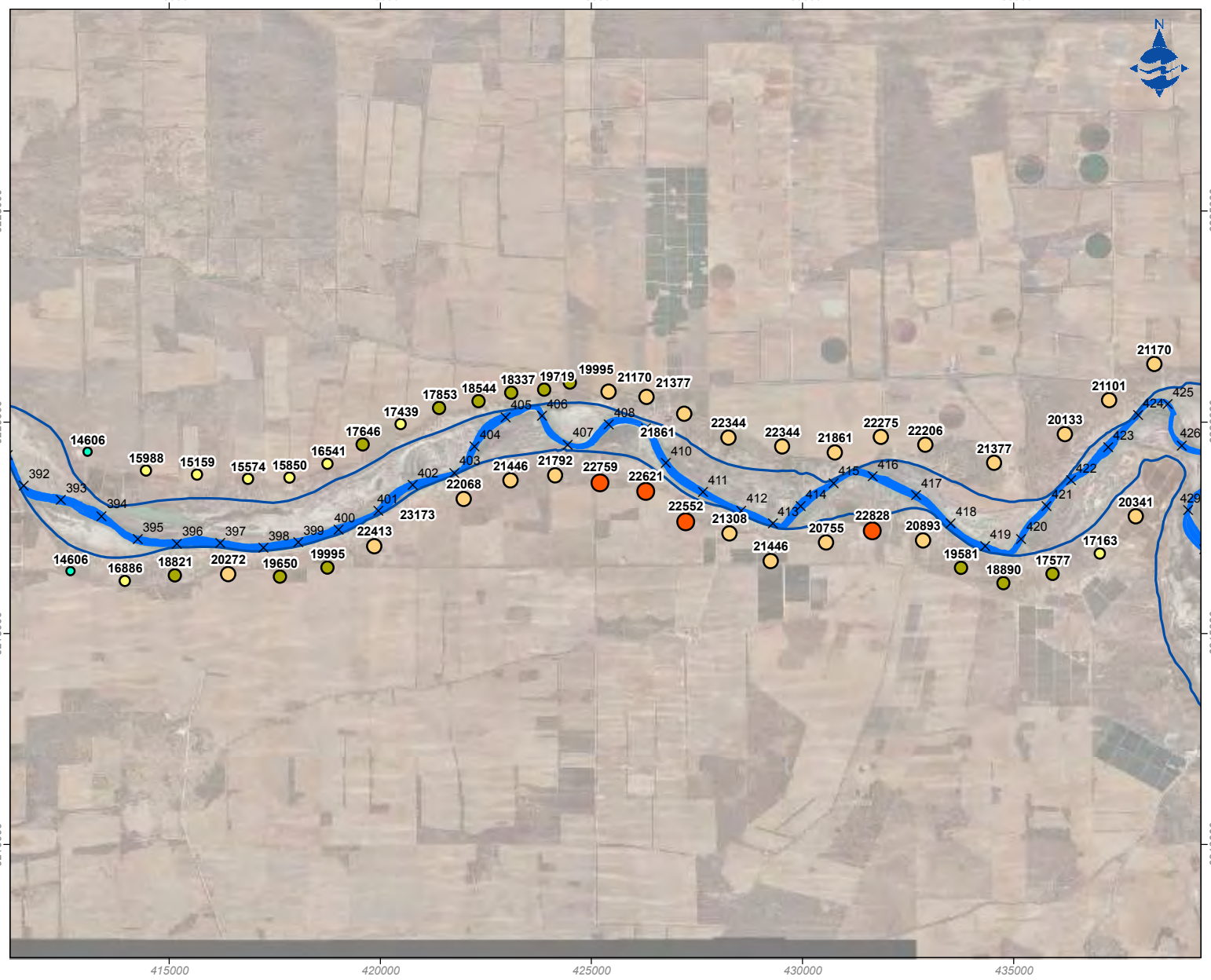
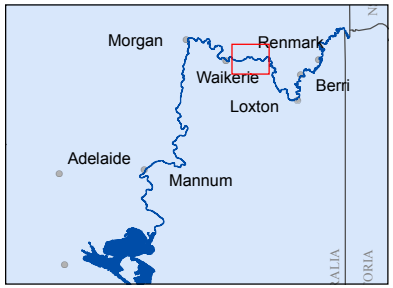
70.00000001 - 75
75.00000001 - 80
80.00000001 - 85
85.00000001 - 90
90.00000001 - 95
95.00000001 - 100


200mm/year
Vertical Timelag (Years)
0 - 5
5.000000001 - 10
10.00000001 - 15
15.00000001 - 20
20.00000001 - 25
25.00000001 - 30
30.00000001 - 35
35.00000001 - 40
40.00000001 - 45
45.00000001 - 50
50.00000001 - 55
55.00000001 - 60
60.00000001 - 65
65.00000001 - 70
70.00000001 - 75
75.00000001 - 80
80.00000001 - 85
85.00000001 - 90
90.00000001 - 95
95.00000001 - 100





LEGEND

× riverkm_bporter

ProdBoreTDS

TDS (mgL)

- 14606 - 15000
- 15001 - 17500
- 17501 - 20000
- 20001 - 22500
- 22501 - 23173
- Floodplain Extent

0 3 6
Kilometers

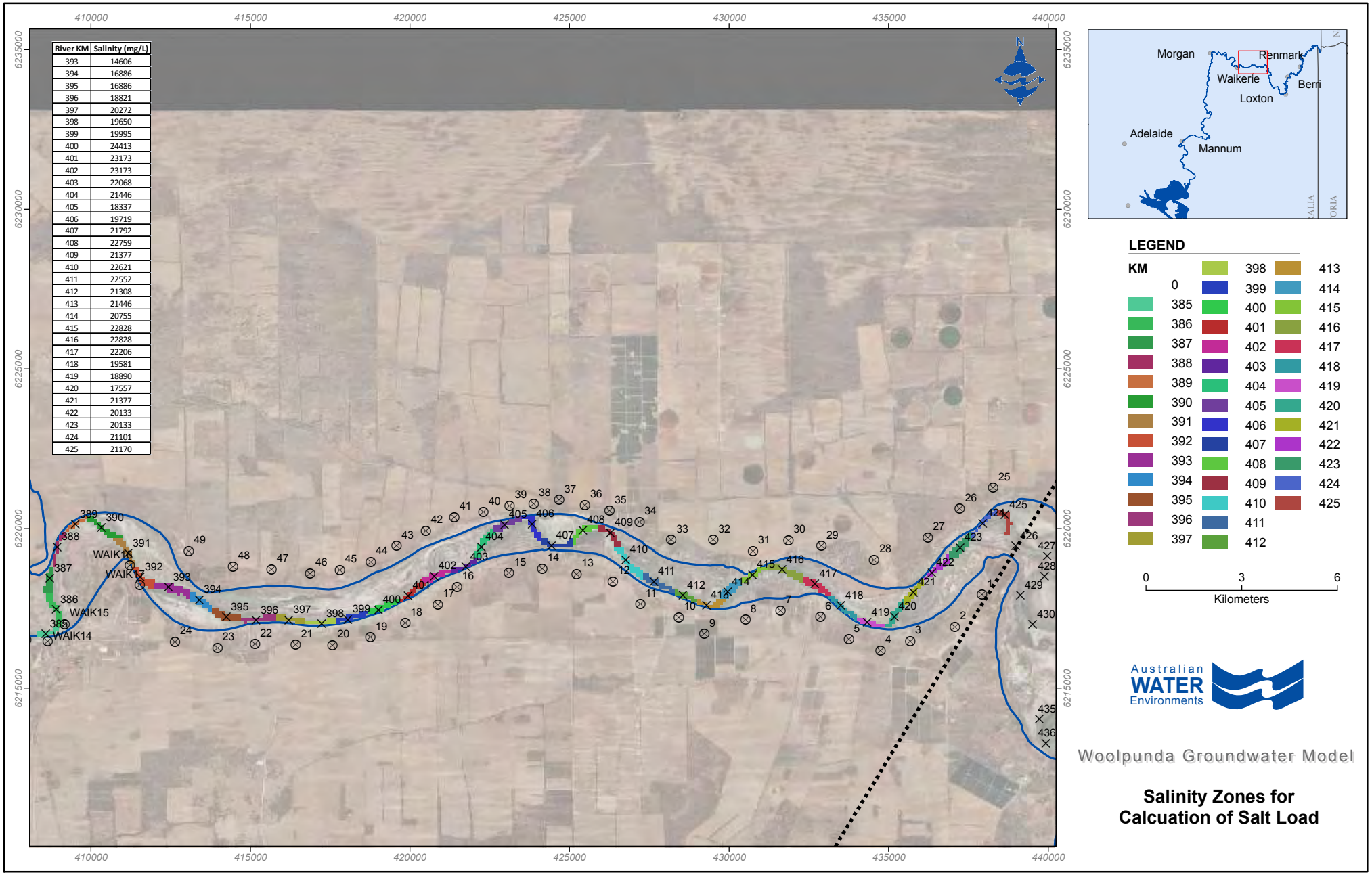
Australian WATER Environments

Woolpunda Groundwater Model

Groundwater Salinity (mg/L)
Measured in SIS Bores
Pre-Scheme

Job No. 12033 - xx
121212

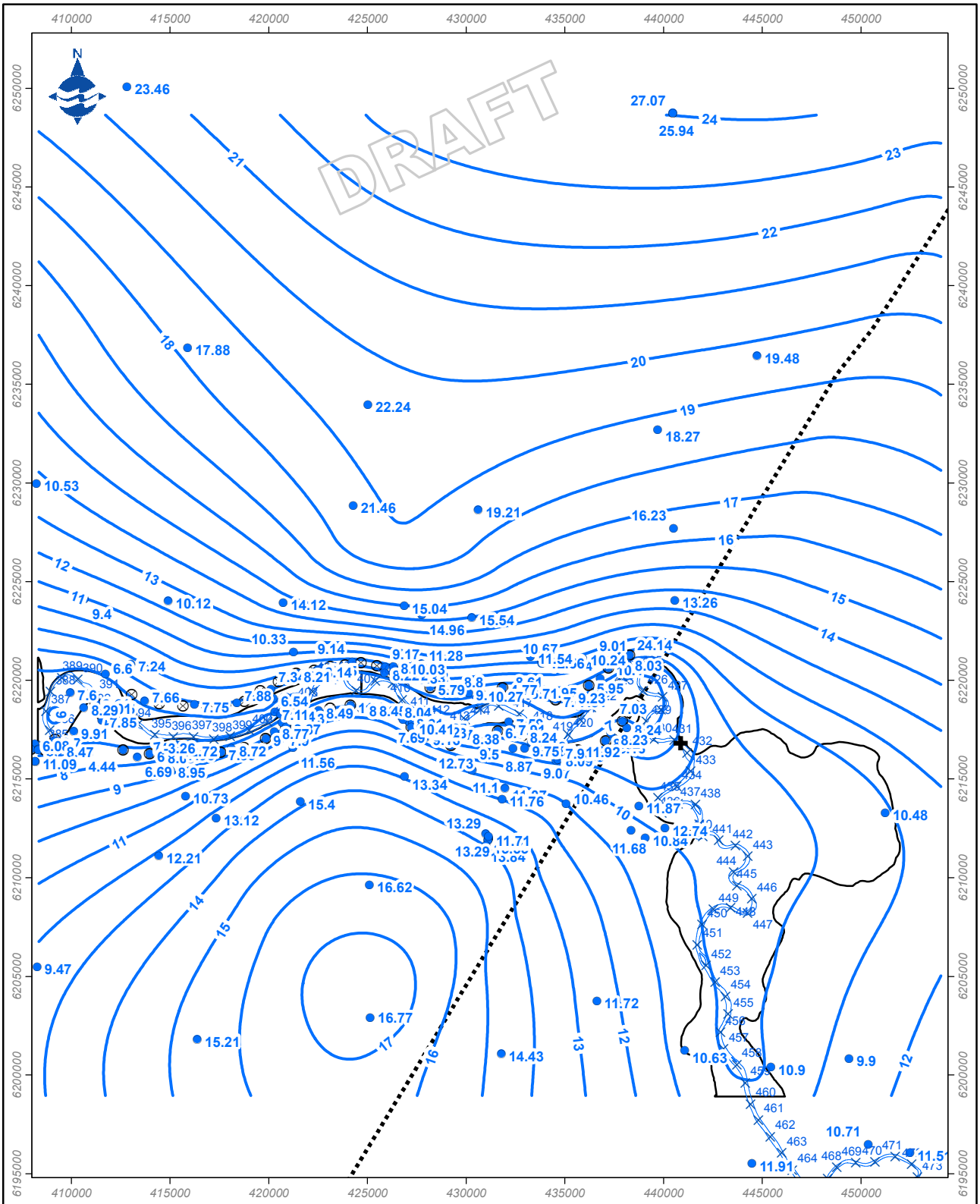
Figure x.x



River KM	Salinity (mg/L)
393	14606
394	16886
395	16886
396	18821
397	20272
398	19650
399	19995
400	24413
401	23173
402	23173
403	22068
404	21446
405	18337
406	19719
407	21792
408	22759
409	21377
410	22621
411	22552
412	21308
413	21446
414	20755
415	22828
416	22828
417	22206
418	19581
419	18890
420	17557
421	21377
422	20133
423	20133
424	21101
425	21170

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- spotheads_Murray Group
- riverkm_bporter
- HeadCont_Layer3SP1TS1
- HamleyFaultZ54
- rivermurray
- floodplainModelExtent

0 3 6 9
Kilometers

Australian WATER Environments

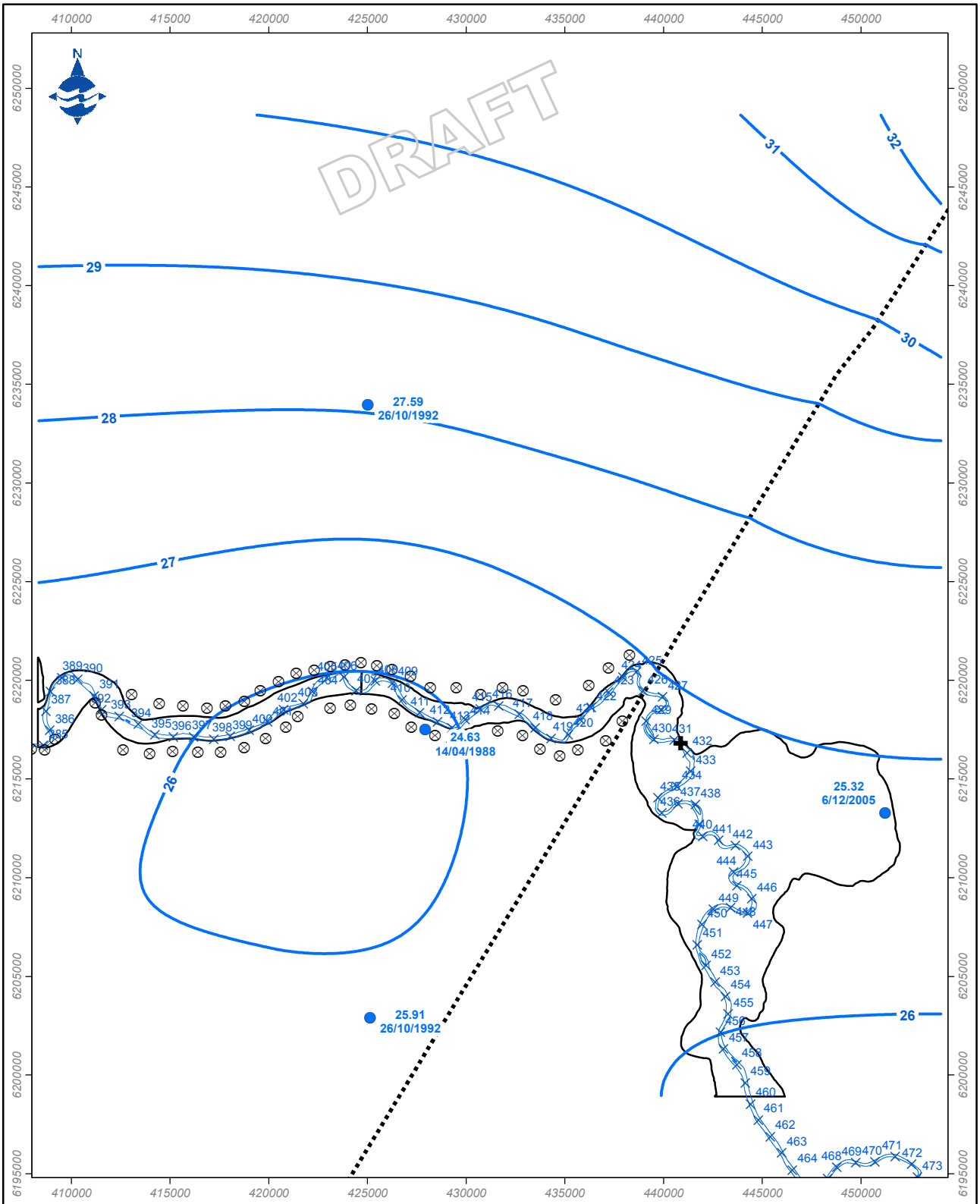
Waikerie 5 Year Review

Groundwater Model

Modelled Head Contours - Steady State
Layer 3 (Lower Mannum Formation)

Job No. 12033 - xx
121212

Figure x.x



LEGEND

- spotheads_Renmark.csv Events
- riverkm_bporter
- HeadCont_Layer5SP1TS1
- HamleyFaultZ54
- rivermurray
- floodplainModelExtent

0 3 6 9
Kilometers

Australian WATER Environments

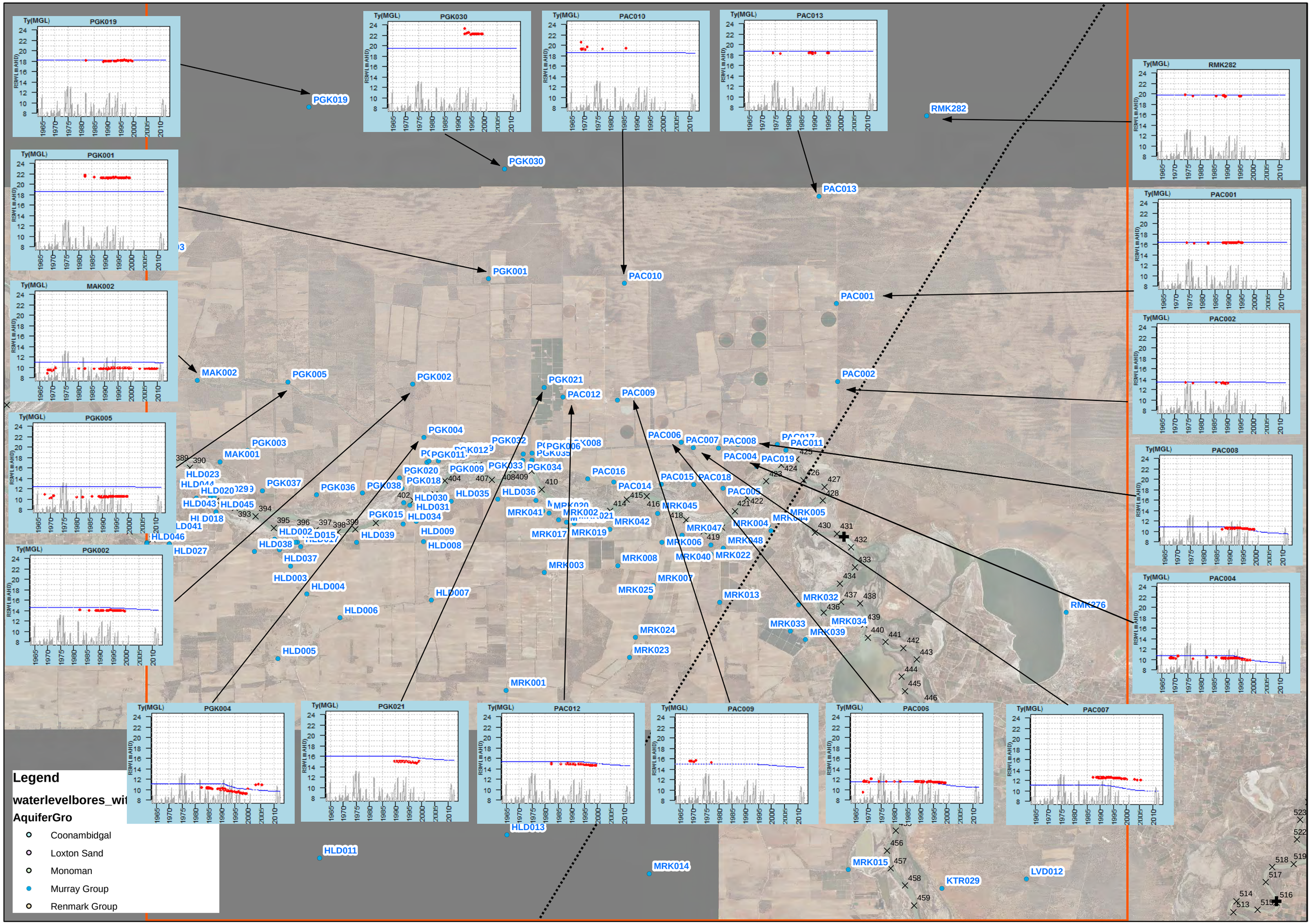
Waikerie 5 Year Review

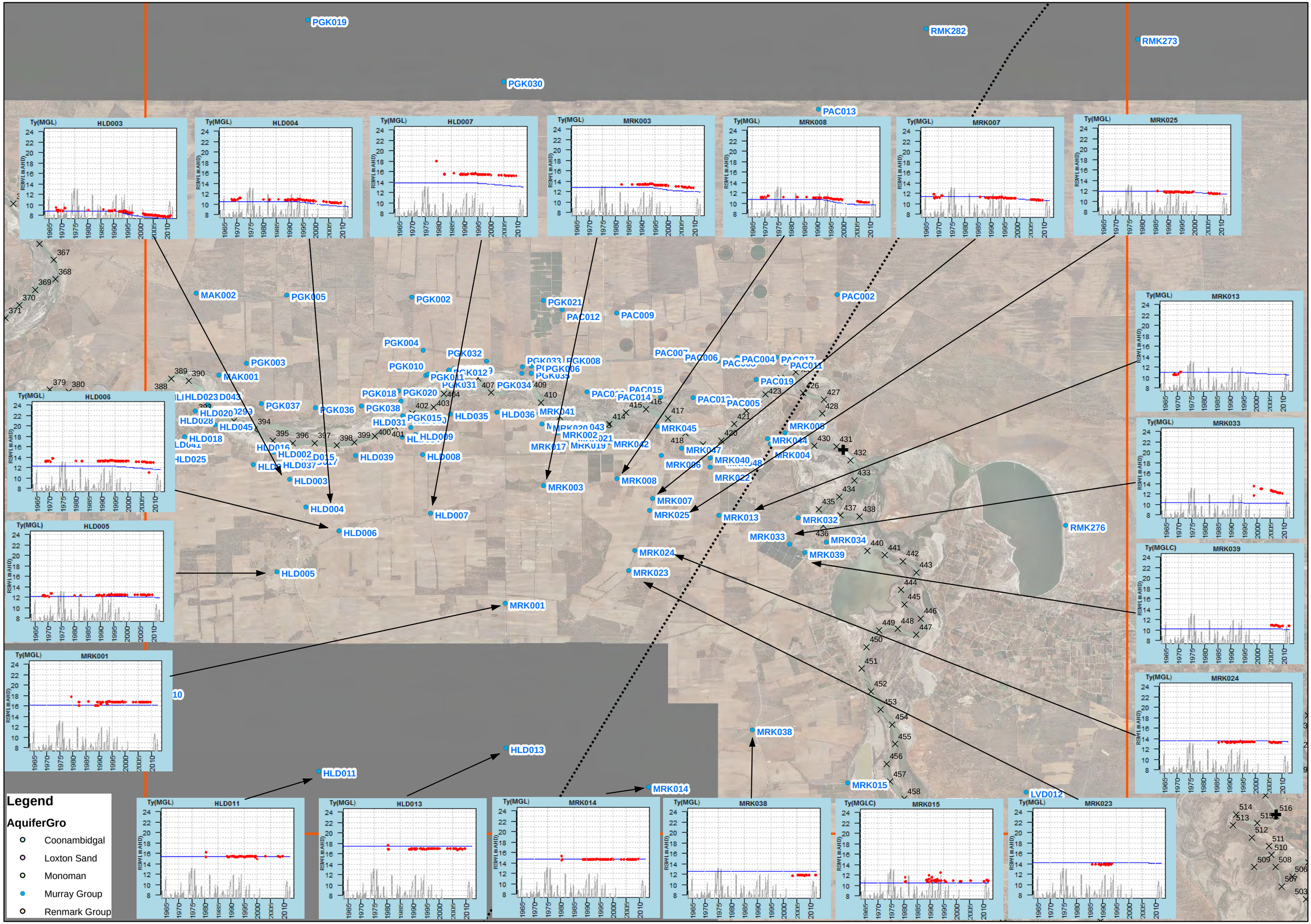
Groundwater Model

Modelled Head Contours - Steady State
Layer 5 (Renmark Group)

Job No. 12033 - xx
121212

Figure x.x


Ty(MGL)
PGK019
PGK030
PAC010
PAC013
RMK282
PGK001
PAC001
MAK002
PAC002
PGK005
PAC008
PGK002
PAC003
PAC004
Legend
waterlevelbores_wit
AquiferGro
Coonambidgal
Loxton Sand
Monoman
Murray Group
Renmark Group



Legend
AquiferGro
Coonambidgal
Loxton Sand
Monoman
Murray Group
Renmark Group
HLD003
HLD004
HLD007
MRK003
MRK008
MRK007
MRK025
MRK013
MRK033
MRK039
MRK024
HLD006
HLD005
MRK001
HLD011
HLD013
MRK014
MRK038
MRK015
MRK023
PGK019
PGK030
RMK282
RMK273
PAC013
MAK002
PGK005
PGK002
PGK021
PAC012
PAC009
PAC002
PGK004
PGK032
PGK003
MAK001
PGK010
PGK018
PGK020
PGK037
PGK036
PGK038
PGK015
HLD035
HLD036
HLD031
HLD009
HLD008
HLD039
HLD003
HLD004
HLD007
HLD006
HLD005
MRK041
MRK002
MRK017
MRK042
MRK045
MRK047
MRK006
MRK040
MRK022
MRK008
MRK007
MRK025
MRK013
MRK032
MRK033
MRK034
MRK039
MRK024
MRK023
MRK001
MRK038
MRK015
LVD012
RMK276
PAC004
PAC005
PAC006
PAC011
PAC019
PAC015
PAC014
PAC009
PAC012
PAC002
PGK008
PGK006
PGK031
PGK034
HLD023
HLD020
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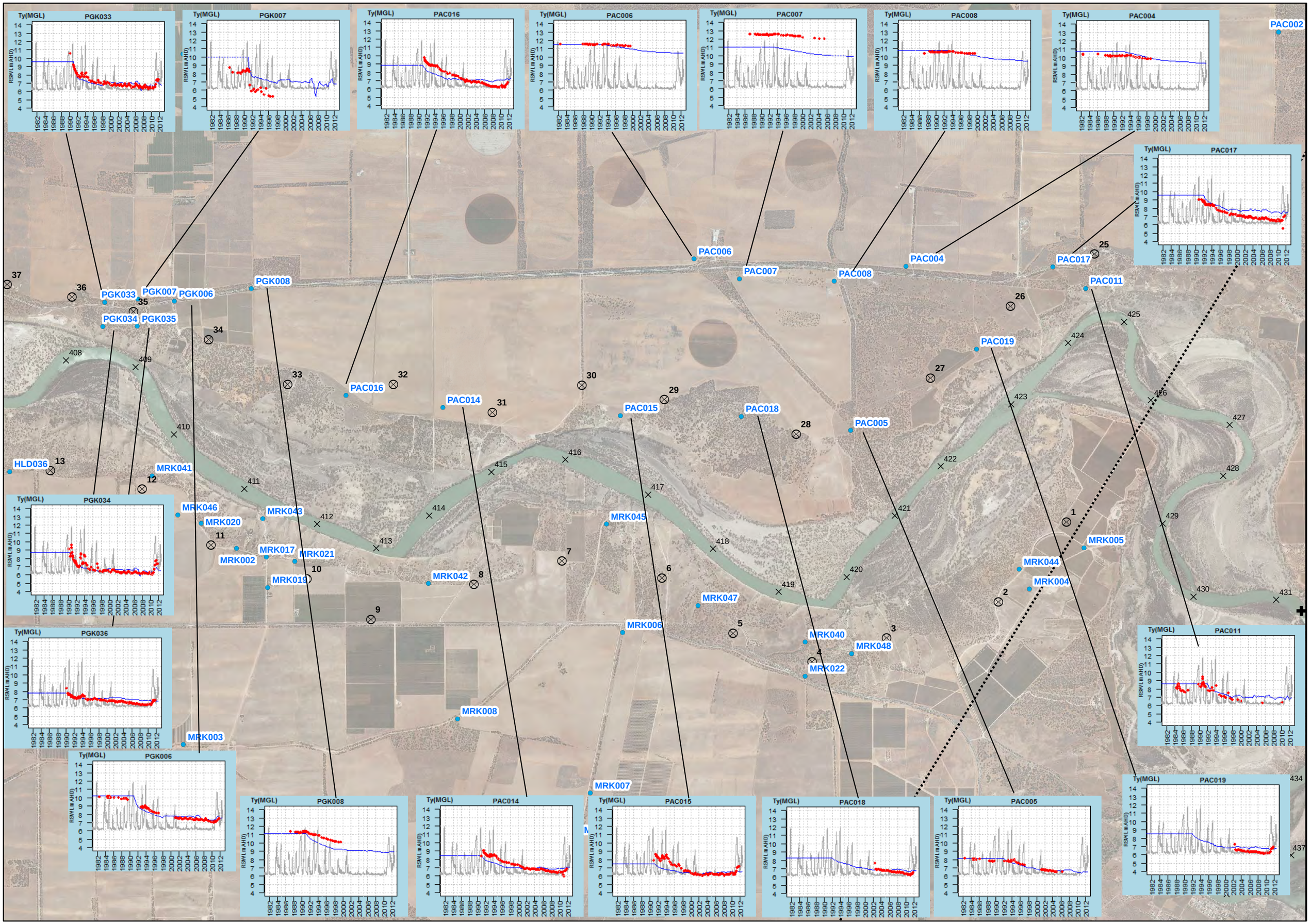
HLD002
HLD037
HLD016
HLD015
MRK005
MRK044
MRK004


Ty(MGL)
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PGK007
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PAC006
PAC007
PAC008
PAC004
PAC017
PGK034
PGK036
PGK006
PGK008
PAC014
PAC015
PAC018
PAC005
PAC019
PAC011
RSWL m AHD
PAC002
PAC006
PAC007
PAC008
PAC004
PAC017
PAC011
PGK008
PGK007
PGK006
PGK033
PGK034
PGK035
PAC016
PAC014
PAC015
PAC018
PAC005
PAC019
HLD036
MRK041
MRK046
MRK020
MRK043
MRK017
MRK021
MRK002
MRK019
MRK042
MRK045
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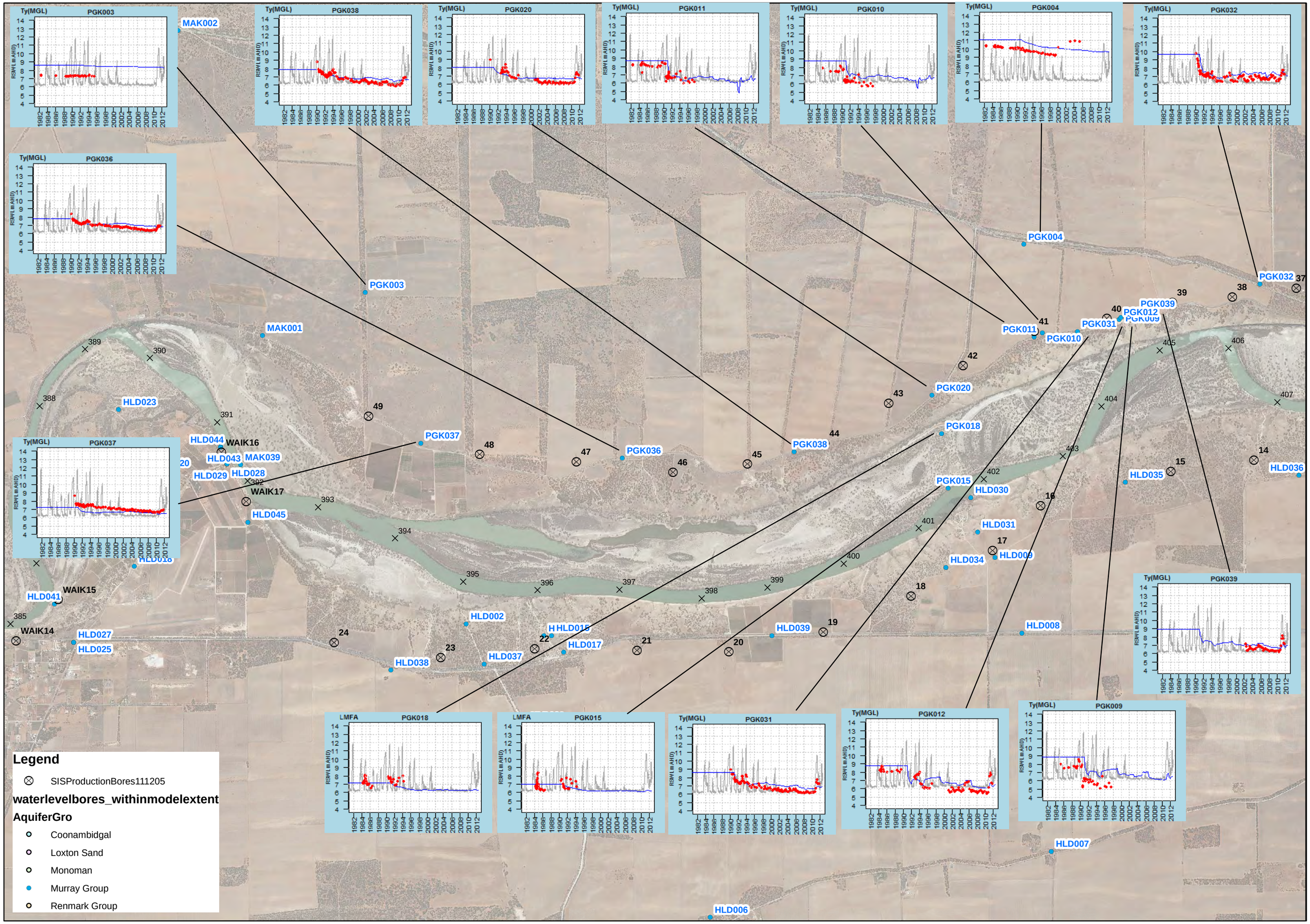
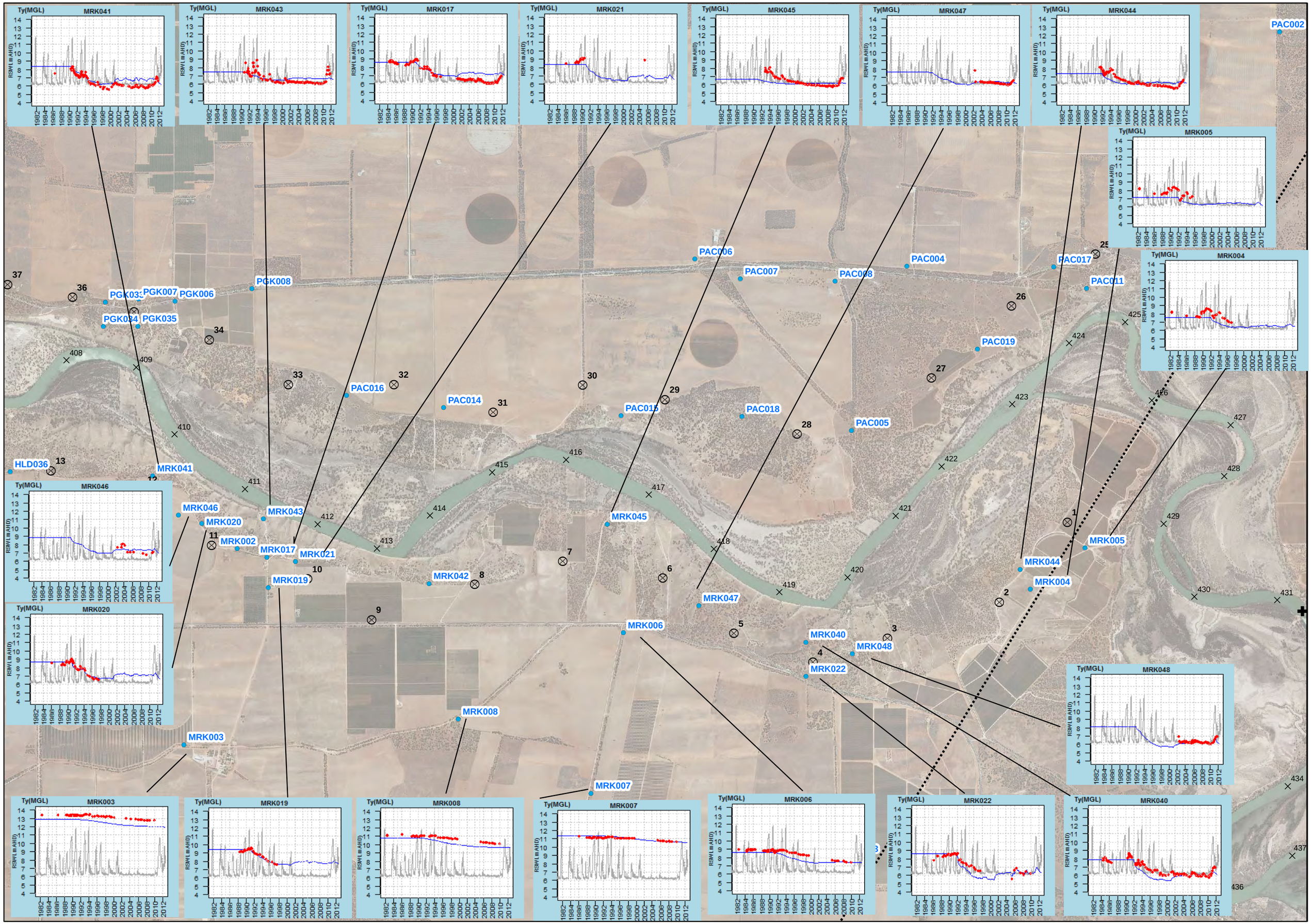
MRK008
MRK007
MRK040
MRK048
MRK022
MRK044
MRK004
MRK005
MRK003
N


Ty(MGL) PGK003
Ty(MGL) PGK038
Ty(MGL) PGK020
Ty(MGL) PGK011
Ty(MGL) PGK010
Ty(MGL) PGK004
Ty(MGL) PGK032
Ty(MGL) PGK036
Ty(MGL) PGK037
Ty(MGL) PGK039
Ty(MGL) PGK031
Ty(MGL) PGK012
Ty(MGL) PGK009
LMFA PGK018
LMFA PGK015
RSWL m AHD
MAK002
PGK003
MAK001
HLD023
HLD044
WAIK16
HLD043
MAK039
HLD029
HLD028
WAIK17
HLD045
HLD041
WAIK15
WAIK14
HLD027
HLD025
HLD002
HLD015
HLD017
HLD037
HLD038
HLD039
PGK037
PGK036
PGK038
PGK020
PGK018
PGK015
HLD030
HLD031
HLD034
HLD009
PGK011
PGK010
PGK004
PGK031
PGK012
PGK009
PGK039
PGK032
HLD035
HLD036
HLD008
HLD007
HLD006
Legend
SISProductionBores111205
waterlevelbores_withinmodelextent
AquiferGro
Coonambidgal
Loxton Sand
Monoman
Murray Group
Renmark Group



Ty(MGL)
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MRK043
MRK017
MRK021
MRK045
MRK047
MRK044
MRK005
MRK004
MRK046
MRK020
MRK048
MRK003
MRK019
MRK008
MRK007
MRK006
MRK022
MRK040
RSWL m AHD
PAC002
PAC006
PAC007
PAC008
PAC004
PAC017
PAC011
PAC019
PAC016
PAC014
PAC015
PAC018
PAC005
PGK008
PGK007
PGK006
PGK035
HLD036
MRK041
MRK046
MRK020
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MRK019
MRK042
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MRK003
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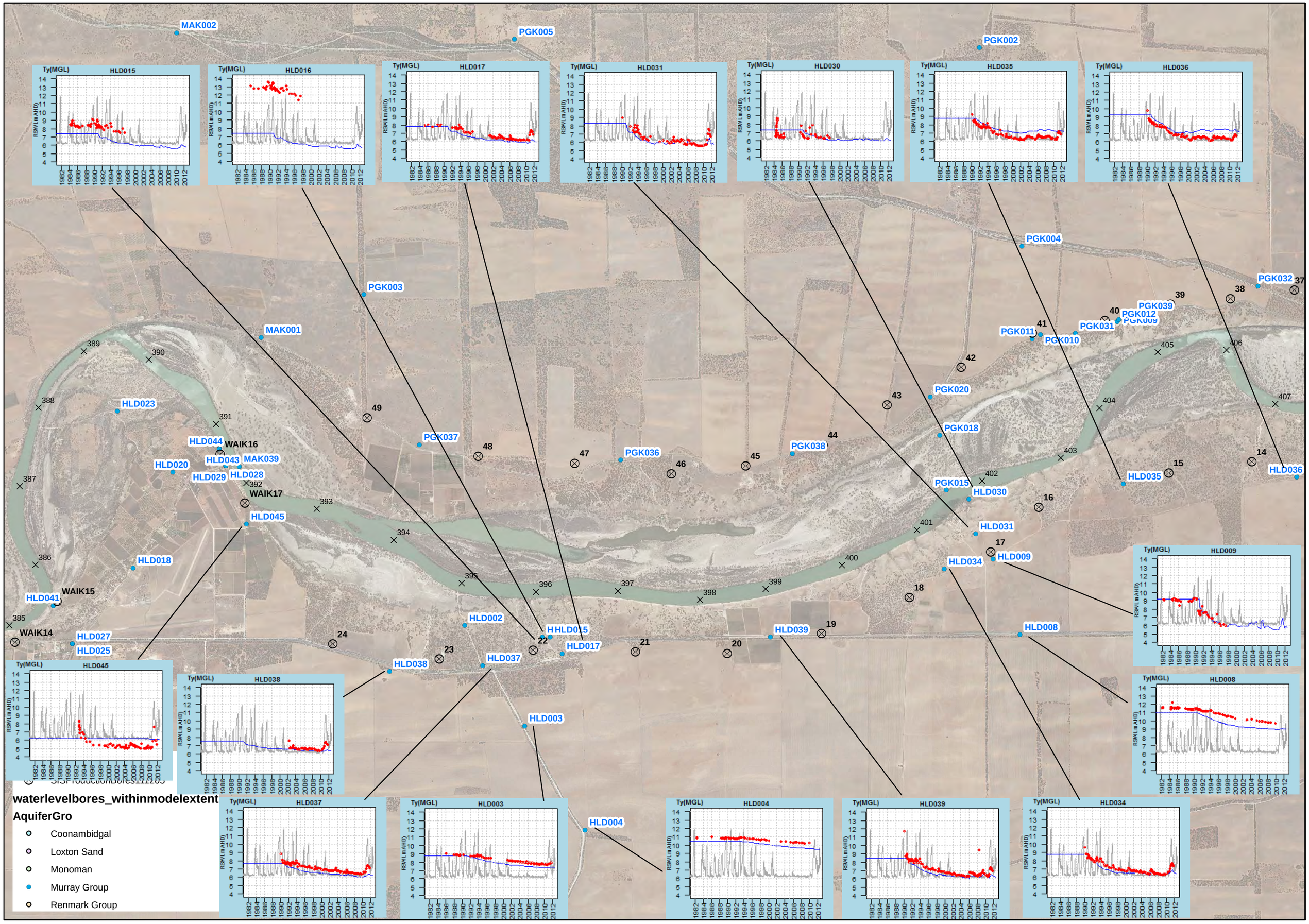
MRK005
MRK044
MRK004


MAK002
PGK005
PGK002
PGK004
PGK003
MAK001
HLD023
HLD044
WAIK16
HLD043
MAK039
HLD020
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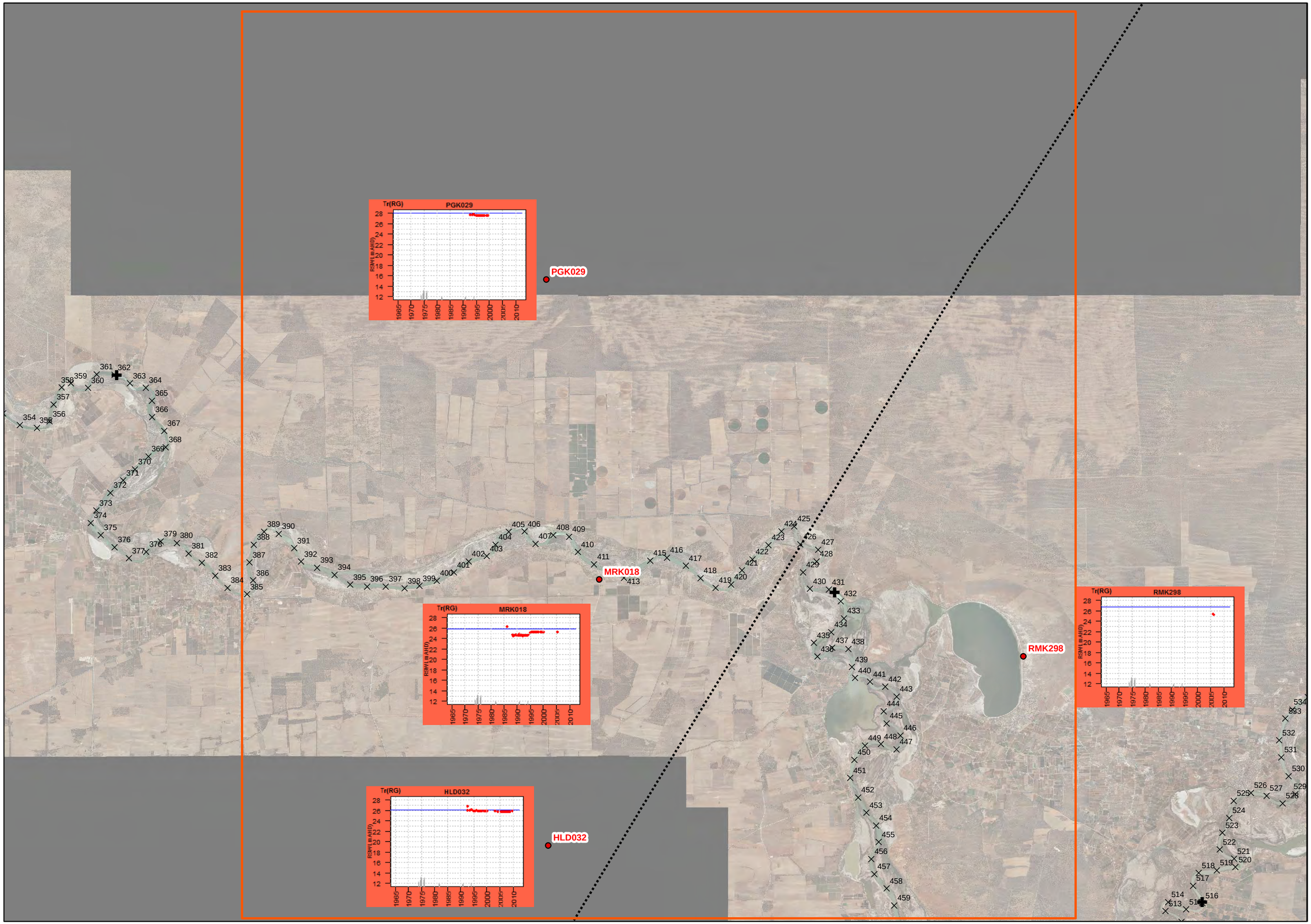
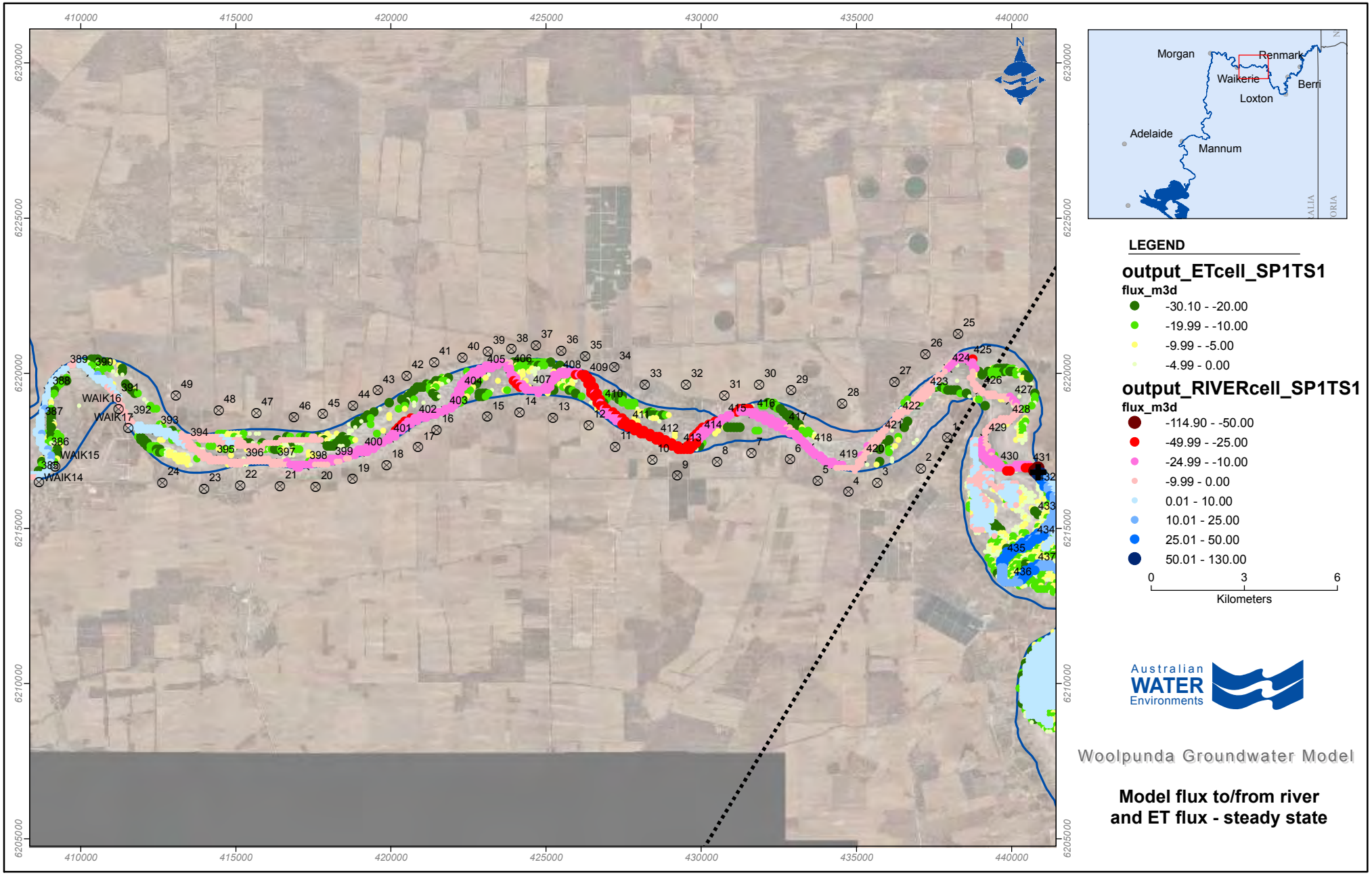
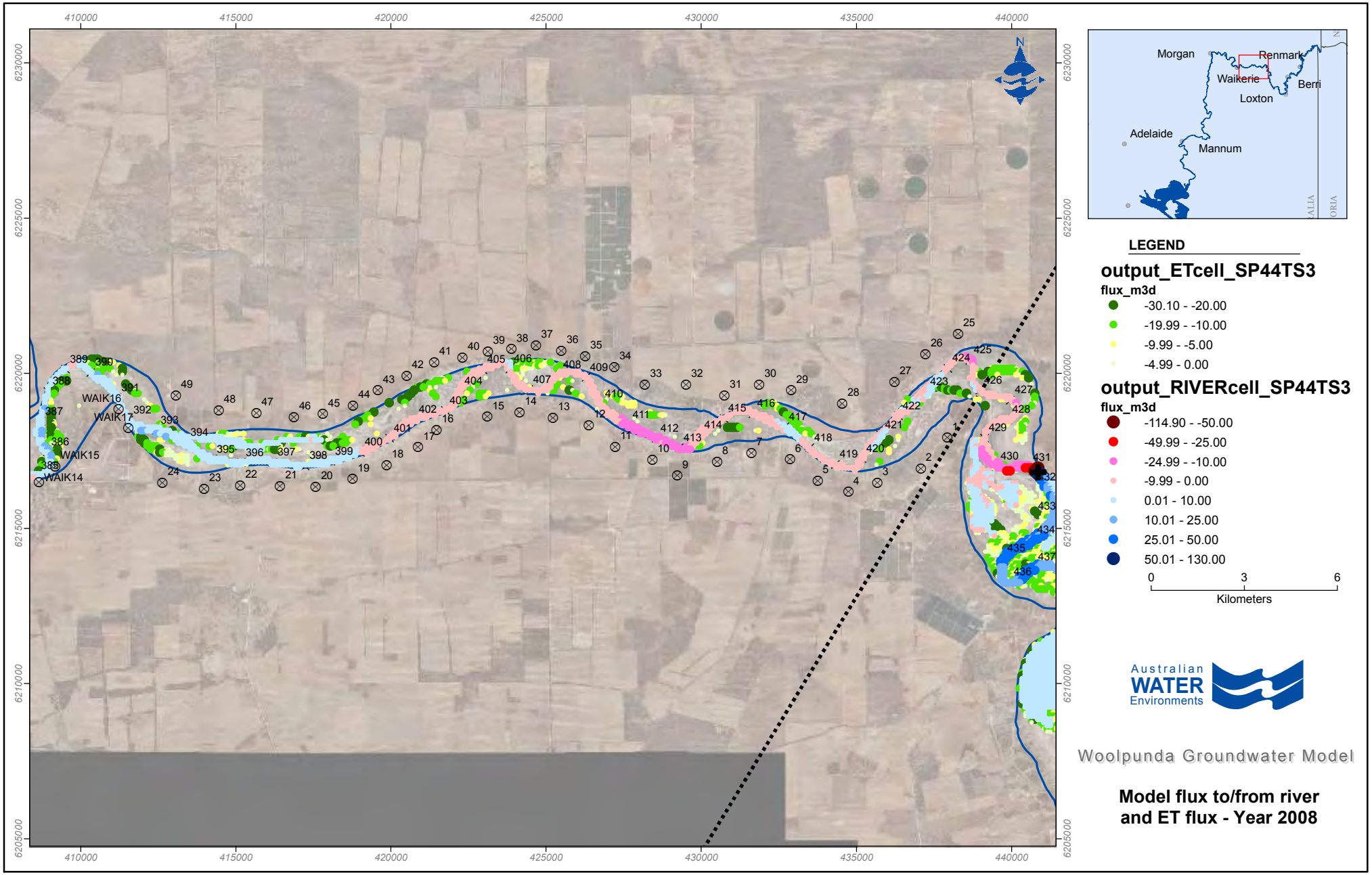
WAIK17
HLD045
HLD018
HLD041
WAIK15
WAIK14
HLD027
HLD025
HLD002
HLD015
HLD017
HLD037
HLD038
HLD003
HLD004
HLD039
HLD008
HLD034
HLD009
HLD031
HLD030
HLD015
PGK015
PGK018
PGK020
PGK011
PGK010
PGK031
PGK012
PGK039
PGK032
PGK037
PGK036
PGK038
HLD035
HLD036
Ty(MGL)
HLD015
HLD016
HLD017
HLD031
HLD030
HLD035
HLD036
HLD009
HLD008
HLD045
HLD038
HLD037
HLD003
HLD004
HLD039
HLD034
RSWL m AHD
waterlevelbores_withinmodelextent
AquiferGro
Coonambidgal
Loxton Sand
Monoman
Murray Group
Renmark Group


PGK029
MRK018
HLD032
RMK298
Tr(RG)
RSWL (m AHD)



Job No. 12033 - xx
121212

Figure x.x



Job No. 12033 - xx
121212

Figure x.x

C. SUPPLEMENTARY REPORTS AND ANALYSES

C-3 FOLDER ARCHIVING STRUCTURE AND MODEL FILE NAMES

- Woolpunda_Salinity_Register_Modelling_2012_2013
  - Correspondence
    - Contracts
    - Emails
    - Meetings
    - Peer review brief
  - Data
    - Climate
    - GIS
    - Hydrogeology
    - Model_Layer_Elevations
    - Observed_Groundwater_Levels
    - Production_Bore_Extractions
    - Recharge_and_Discharge
    - Salinity_and_Chemistry
    - Surface_Water
  - Model_Files
    - Calibration
      - Steady State
      - Transient
    - Predictions
      - Base Case_TR_DR
      - S2
      - S3A
      - S3C
      - S4
      - S5
      - S8A
      - S8B
      - S8C
    - Sensitivity
      - Old_TR
      - Sensitivity_analysis and results
      - Test_ET
      - Test_Ettrick_Kv
      - Test_LMF_Kh
      - Test_LMF_Ss
      - Test_Renmark_Kh
      - Test_River_conductance
      - Test_UMF_Sy
    - Tools
      - Drain_Buddy
      - Solver
    - Uncertainty
      - S4_Lagtime20_DR
      - S4_Lagtime40_DR
      - S4_noPivot_irrigation_DR
      - S4_PermRch70_DR
      - S4_PermRch140_DR
      - S4_River_Level_DR
      - Uncertainty_Analysis_Results
- Reporting
  - Appendices
  - Draft_Reports
  - Figures
  - Final_Report
  - Other_Reports
  - Presentations
  - Reviews

Model	File name
Historical calibrated model	WP2013_TR
Scenario 2	WP2013_S2
Scenario 3A	WP2013_S3A
Scenario 3C	WP2013_S3C
Scenario 4	WP2013_S4
Scenario 5	WP2013_S5
Scenario 8A	WP2013_S8A
Scenario 8B	WP2013_S8B
Scenario 8C	WP2013_S8C

C-3. Folder archiving structure (left) and model file names (right)

Government of South Australia
Department of Environment,
Water and Natural Resources