DWLBC REPORT

Pyap to Kingston Numerical Groundwater Model 2008

Volume 2 - Appendices

2008/19

Government of South Australia
Department of Water, Land and Biodiversity Conservation

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Knowledge and Information Division
Department of Water, Land and Biodiversity Conservation

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A-1. MODEL INPUT – MALLEE CLEARANCE

- Model recharge zones
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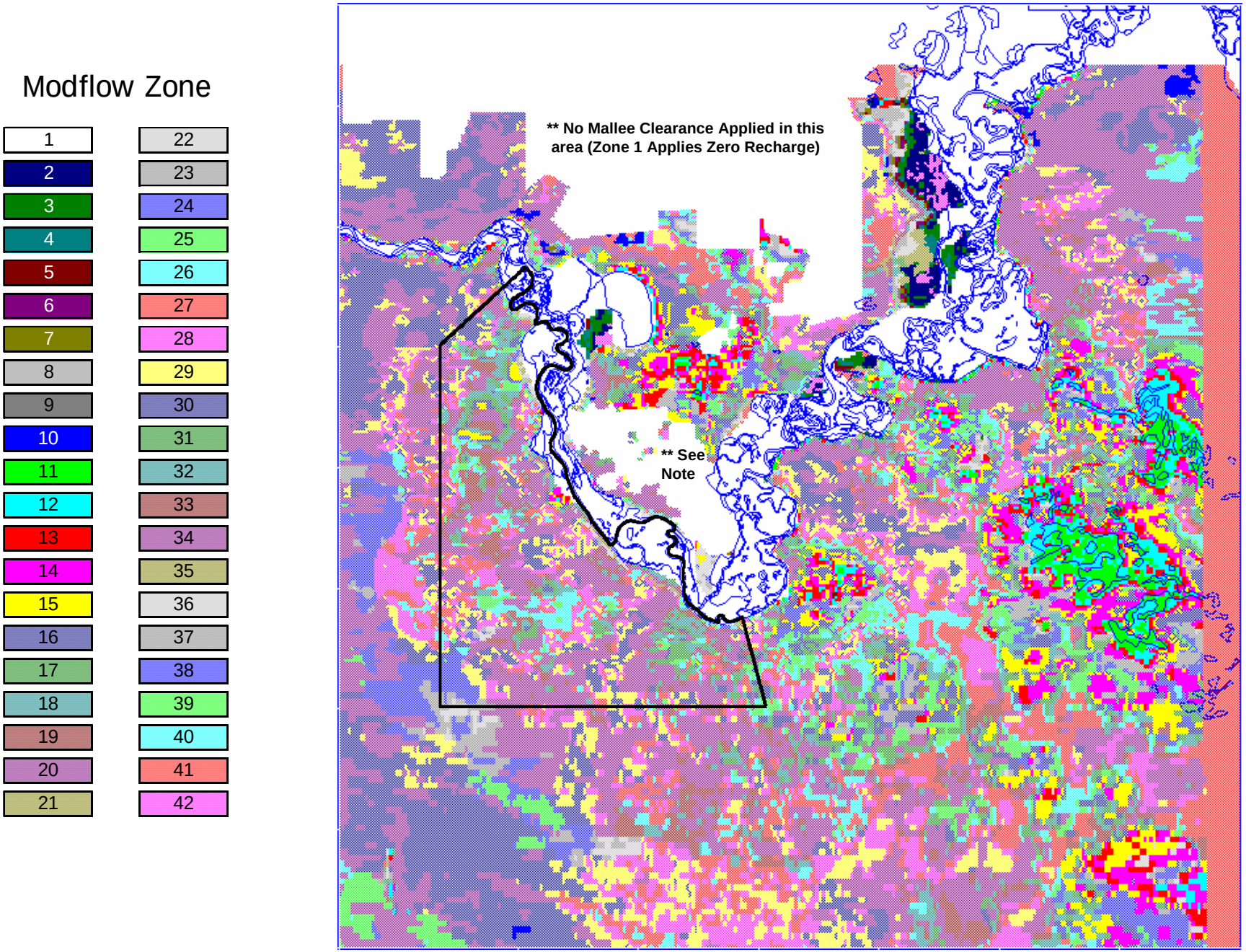


A-1-1. Mallee Clearance recharge zones applied in the Pyap to Kingston Area (42 zones).

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

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

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

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

A-2. MODEL INPUT – PYAP AREA

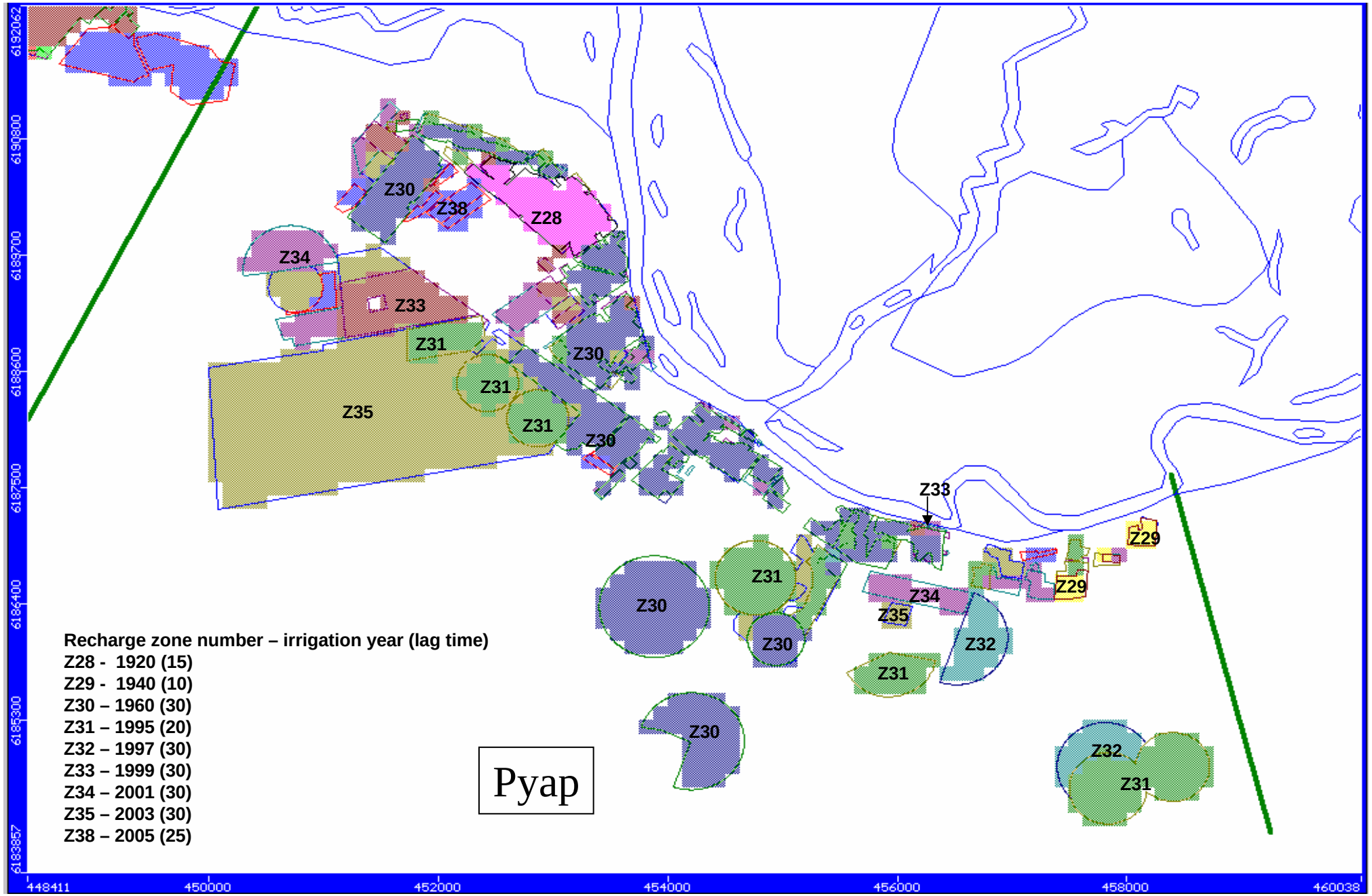
- Model scenario conditions
- Model recharge zones
- Model recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

(Scenario-3A, Scenario-3B, Scenario-3C, Scenario-4 and Scenario-5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

A-2. Model Scenario conditions



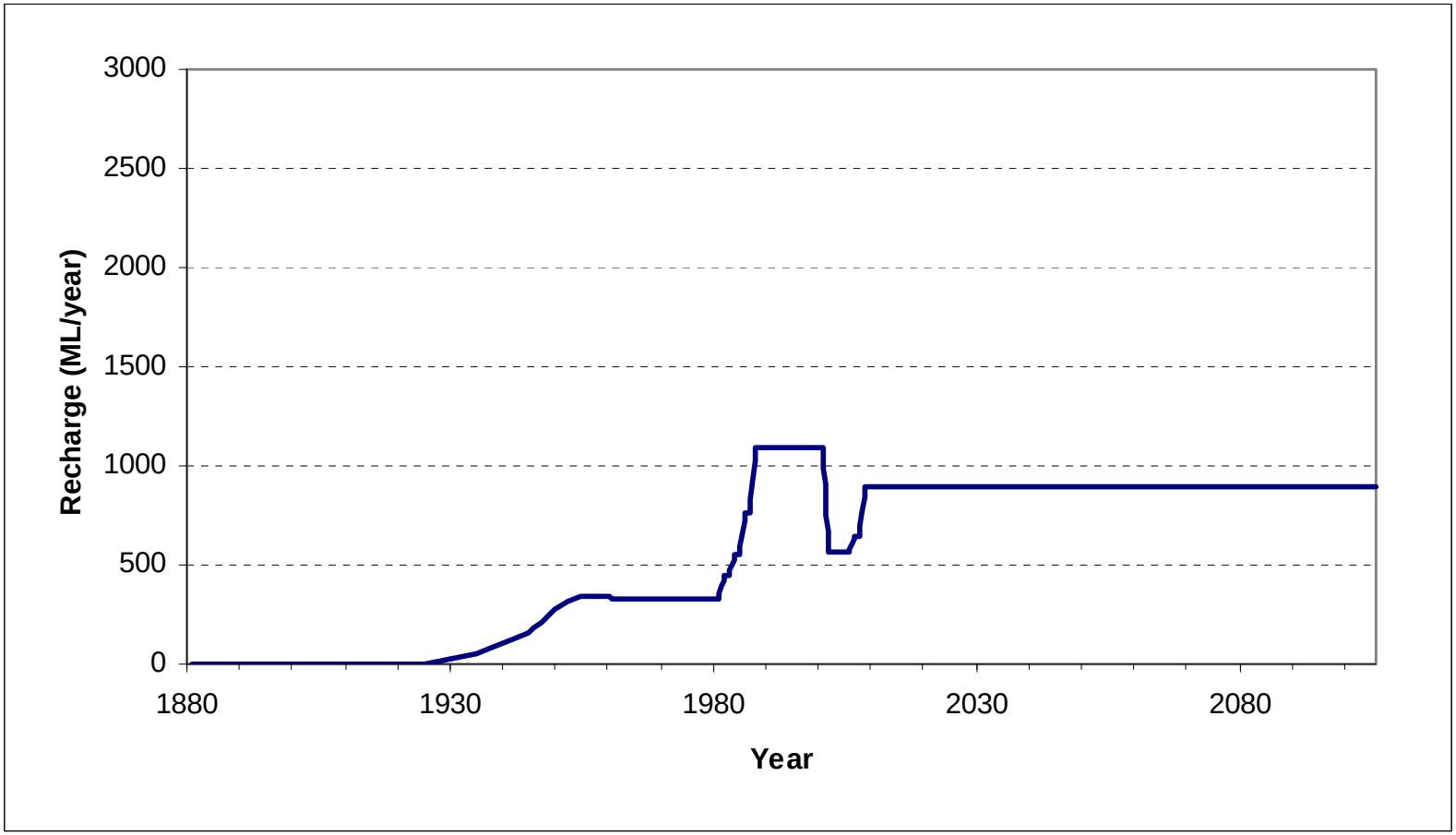
A-2. Model recharge zones in the Pyap area (Scenario-3A, 3B, 3C, 4 and 5)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 4	Zone 5									
1880	1900	0	7300	0.1	0.1									
1900	1905	7300	9125	0.1	0.1									
1905	1910	9125	10950	0.1	0.1									
1910	1915	10950	12775	0.1	0.1									
1915	1920	12775	14600	0.1	0.1									
1920	1925	14600	16425	0.1	0.1									
1925	1930	16425	18250	50	0.1									
1930	1935	18250	20075	100	0.1									
1935	1940	20075	21900	200	0.1									
1940	1945	21900	23725	300	0.1									
1945	1950	23725	25550	500	0.1									
1950	1955	25550	27375	500	500									
1955	1960	27375	29200	500	500									
1960	1965	29200	31025	500	500									
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
1960	1961	0	365	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	500	500	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	500	500	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	500	500	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	200	200	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	200	200	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 3A)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
2005	2006	16425	16790	200	200	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	200	200	50	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2034	26280	27010	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	2036	27010	27740	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	2038	27740	28470	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	2040	28470	29200	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	2042	29200	29930	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	2044	29930	30660	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	2046	30660	31390	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	2048	31390	32120	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	2060	32120	36500	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	2106	36500	53290	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	2106	53290	53291	200	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 3A)



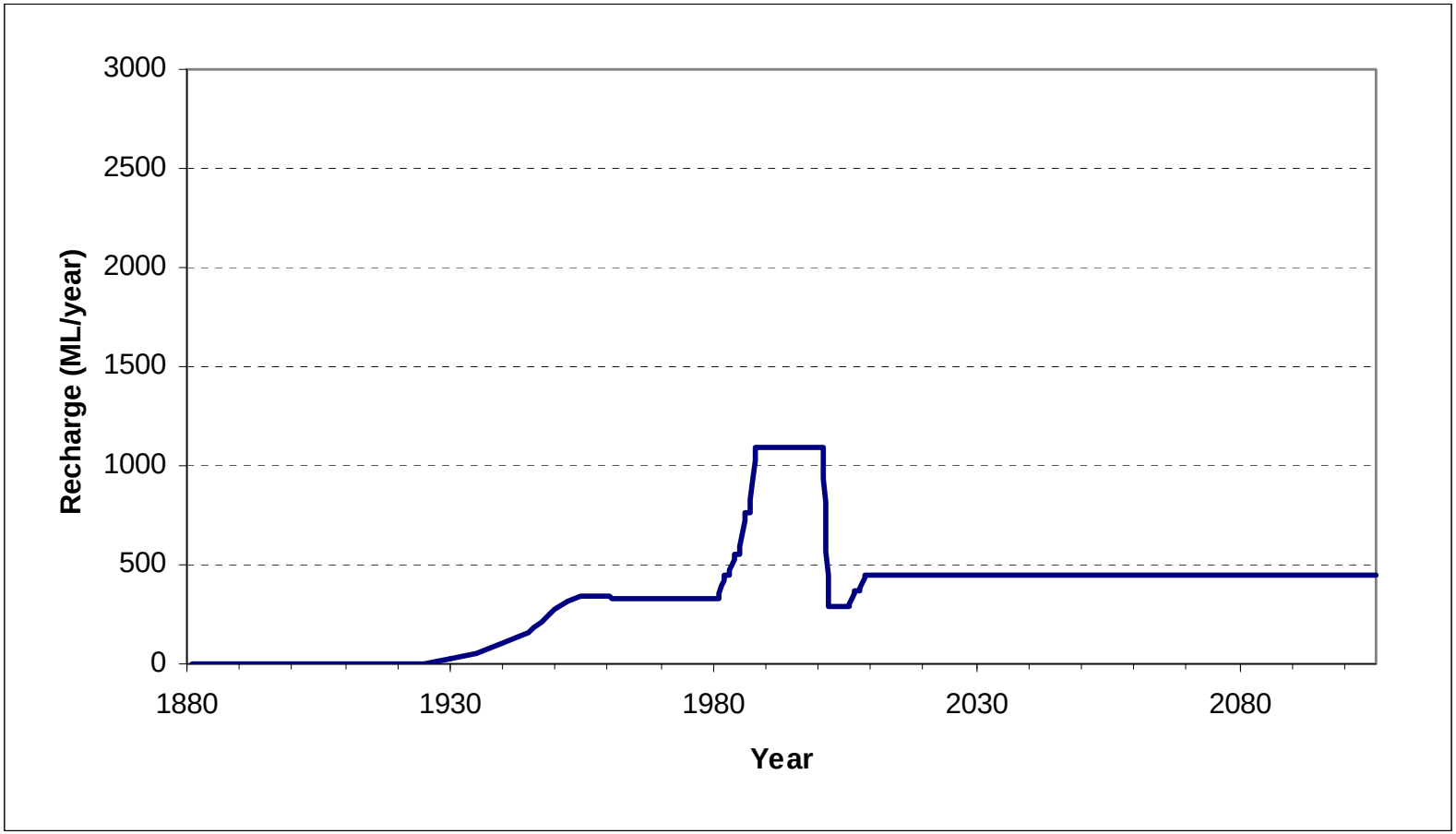
A-2(S3A). Total recharge volume applied in the Pyap Area (Scenario 3A)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 4	Zone 5									
1880	1900	0	7300	0.1	0.1									
1900	1905	7300	9125	0.1	0.1									
1905	1910	9125	10950	0.1	0.1									
1910	1915	10950	12775	0.1	0.1									
1915	1920	12775	14600	0.1	0.1									
1920	1925	14600	16425	0.1	0.1									
1925	1930	16425	18250	50	0.1									
1930	1935	18250	20075	100	0.1									
1935	1940	20075	21900	200	0.1									
1940	1945	21900	23725	300	0.1									
1945	1950	23725	25550	500	0.1									
1950	1955	25550	27375	500	500									
1955	1960	27375	29200	500	500									
1960	1965	29200	31025	500	500									
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
1960	1961	0	365	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	500	500	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	500	500	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	500	500	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 3B)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
2005	2006	16425	16790	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	100	100	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2034	26280	27010	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	2036	27010	27740	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	2038	27740	28470	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	2040	28470	29200	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	2042	29200	29930	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	2044	29930	30660	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	2046	30660	31390	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	2048	31390	32120	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	2060	32120	36500	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	2106	36500	53290	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	2106	53290	53291	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 3B)



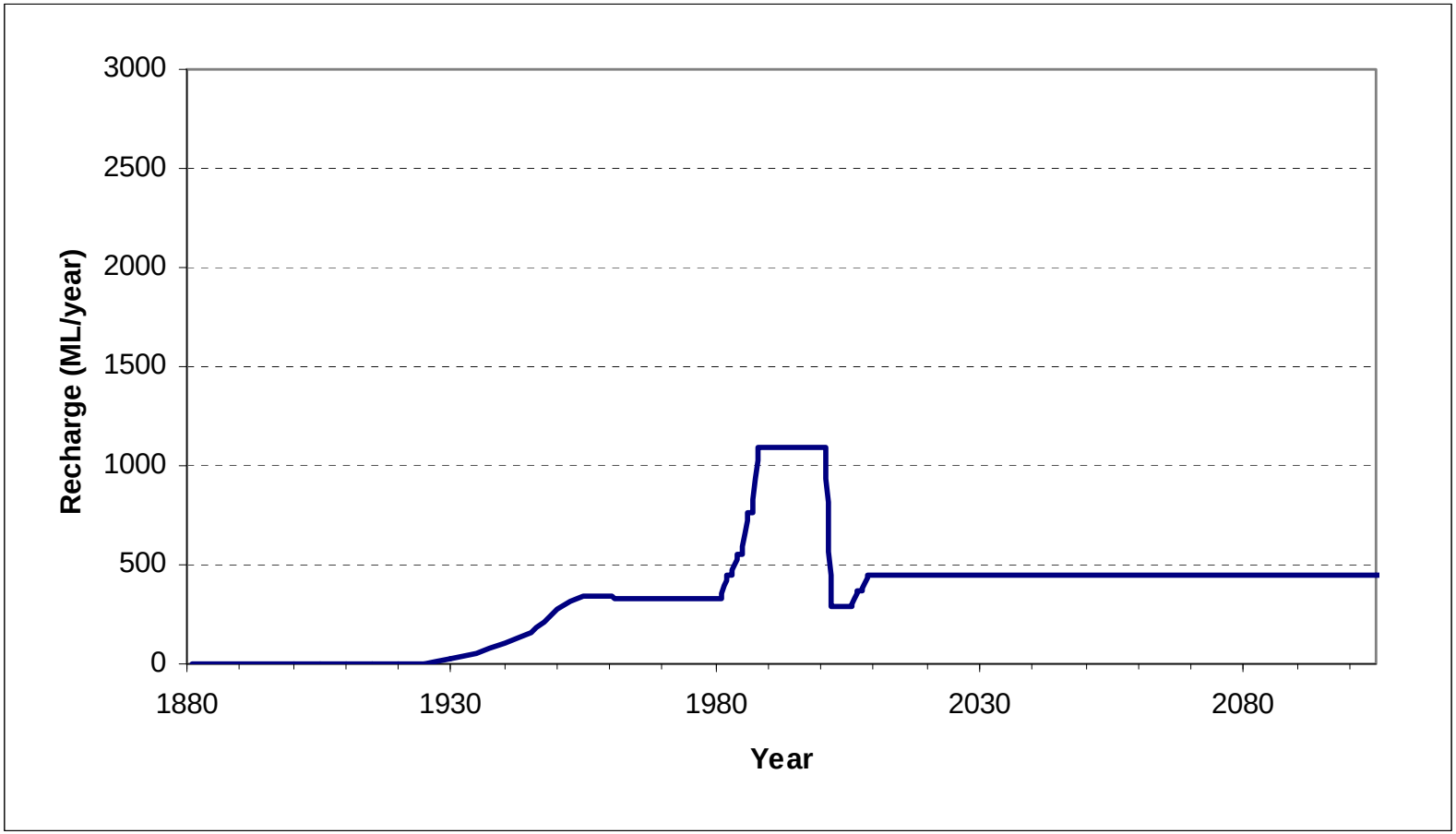
A-2(S3B). Total recharge volume applied in the Pyap Area (Scenario 3B)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 4	Zone 5									
1880	1900	0	7300	0.1	0.1									
1900	1905	7300	9125	0.1	0.1									
1905	1910	9125	10950	0.1	0.1									
1910	1915	10950	12775	0.1	0.1									
1915	1920	12775	14600	0.1	0.1									
1920	1925	14600	16425	0.1	0.1									
1925	1930	16425	18250	50	0.1									
1930	1935	18250	20075	100	0.1									
1935	1940	20075	21900	200	0.1									
1940	1945	21900	23725	300	0.1									
1945	1950	23725	25550	500	0.1									
1950	1955	25550	27375	500	500									
1955	1960	27375	29200	500	500									
1960	1965	29200	31025	500	500									
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
1960	1961	0	365	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	500	500	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	500	500	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	500	500	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 3C)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
2005	2006	16425	16790	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	100	100	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2034	26280	27010	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	2036	27010	27740	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	2038	27740	28470	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	2040	28470	29200	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	2042	29200	29930	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	2044	29930	30660	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	2046	30660	31390	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	2048	31390	32120	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	2060	32120	36500	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	2106	36500	53290	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	2106	53290	53291	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 3C)



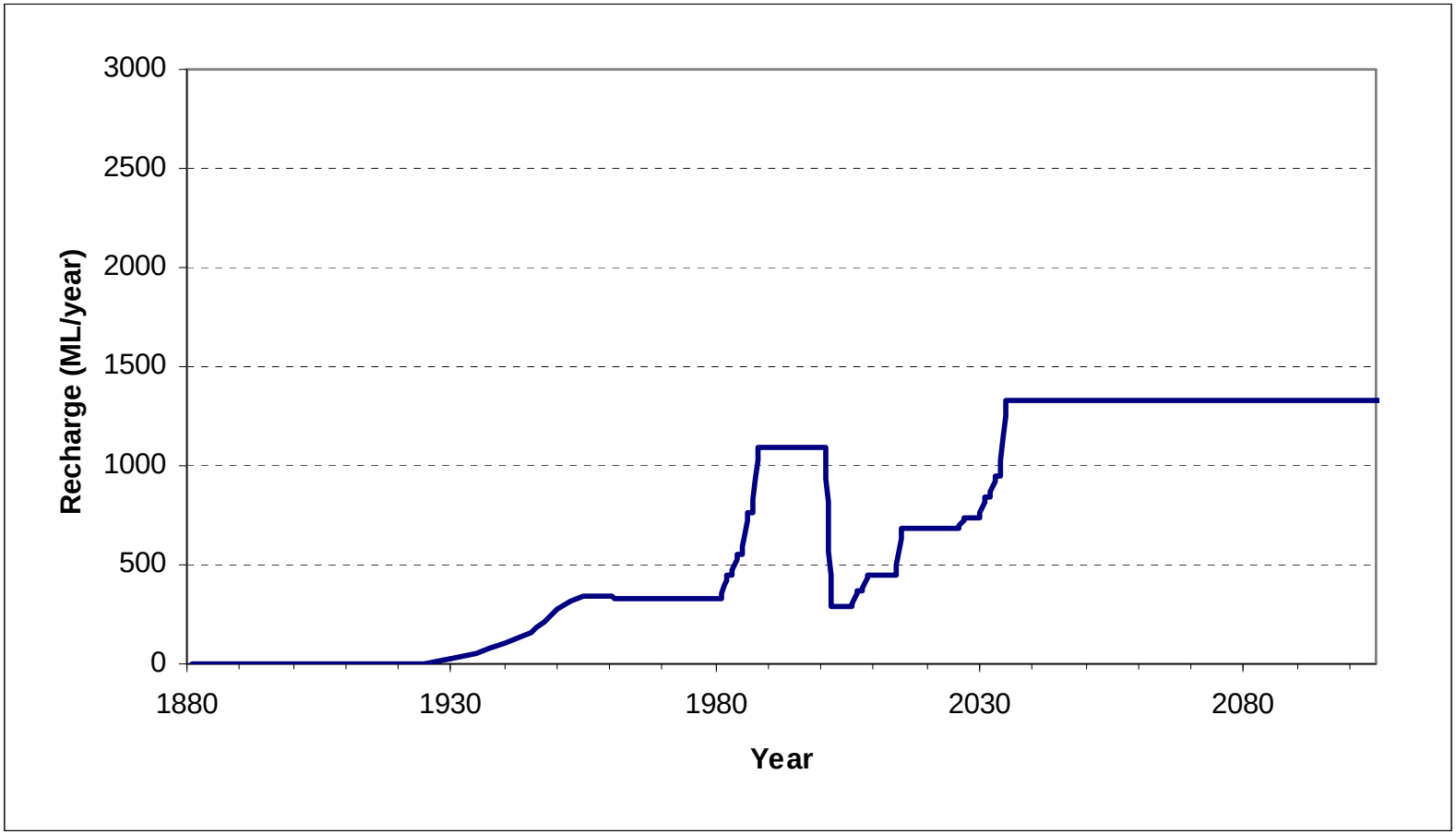
A-2(S3C). Total recharge volume applied in the Pyap Area (Scenario 3C)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 4	Zone 5									
1880	1900	0	7300	0.1	0.1									
1900	1905	7300	9125	0.1	0.1									
1905	1910	9125	10950	0.1	0.1									
1910	1915	10950	12775	0.1	0.1									
1915	1920	12775	14600	0.1	0.1									
1920	1925	14600	16425	0.1	0.1									
1925	1930	16425	18250	50	0.1									
1930	1935	18250	20075	100	0.1									
1935	1940	20075	21900	200	0.1									
1940	1945	21900	23725	300	0.1									
1945	1950	23725	25550	500	0.1									
1950	1955	25550	27375	500	500									
1955	1960	27375	29200	500	500									
1960	1965	29200	31025	500	500									
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
1960	1961	0	365	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	500	500	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	500	500	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	500	500	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 4)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
2005	2006	16425	16790	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	100	100	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	100	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	100	100	100	100	0.1	0.1	0.1	0.1
2032	2034	26280	27010	100	100	100	100	100	100	100	100	0.1	100	0.1
2034	2036	27010	27740	100	100	100	100	100	100	100	100	100	100	0.1
2036	2038	27740	28470	100	100	100	100	100	100	100	100	100	100	0.1
2038	2040	28470	29200	100	100	100	100	100	100	100	100	100	100	0.1
2040	2042	29200	29930	100	100	100	100	100	100	100	100	100	100	0.1
2042	2044	29930	30660	100	100	100	100	100	100	100	100	100	100	0.1
2044	2046	30660	31390	100	100	100	100	100	100	100	100	100	100	0.1
2046	2048	31390	32120	100	100	100	100	100	100	100	100	100	100	0.1
2048	2060	32120	36500	100	100	100	100	100	100	100	100	100	100	0.1
2060	2106	36500	53290	100	100	100	100	100	100	100	100	100	100	0.1
2106	2106	53290	53291	100	100	100	100	100	100	100	100	100	100	0.1

A-2(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 4)



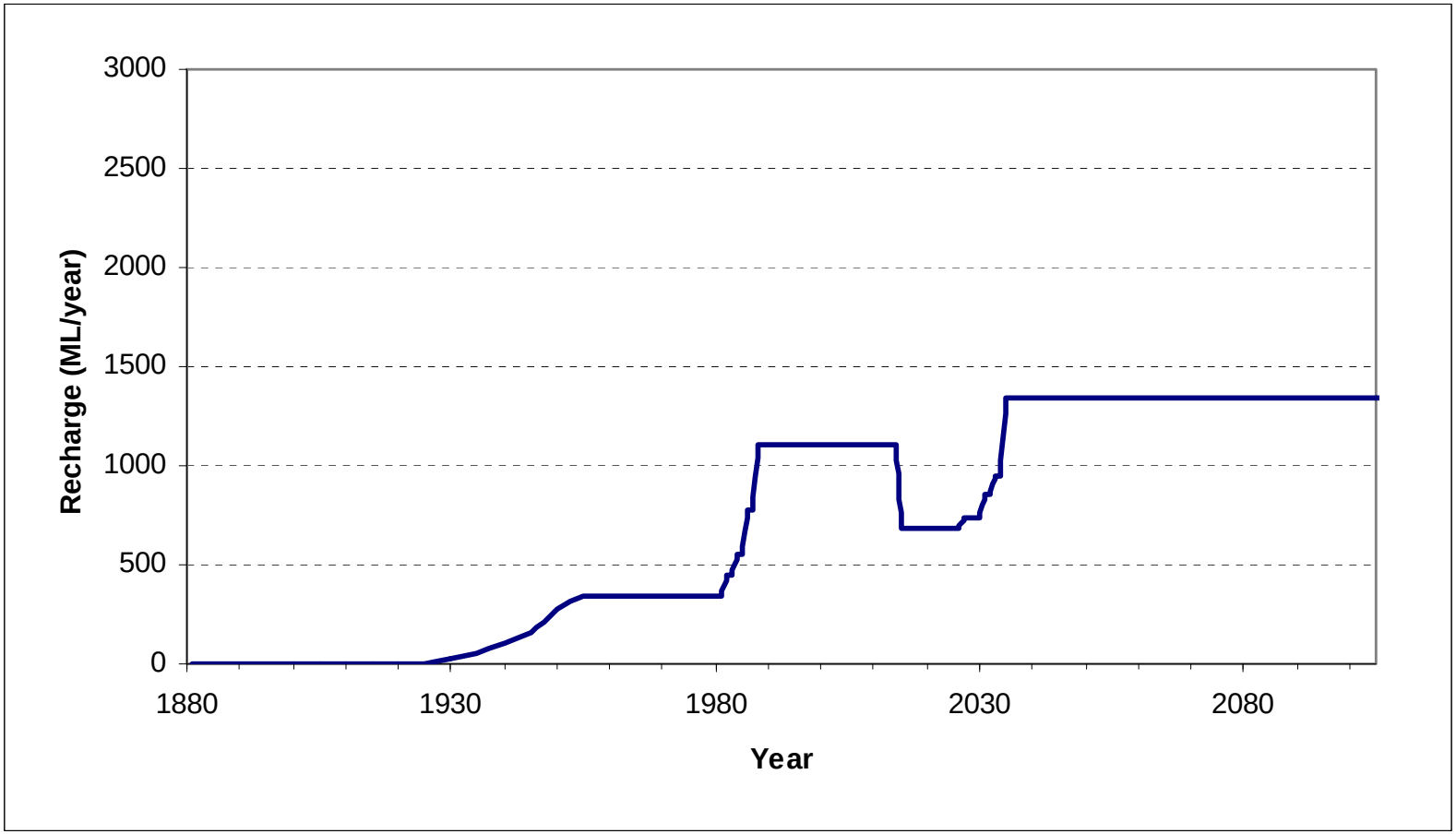
A-2(S4). Total recharge volume applied in the Pyap Area (Scenario 4)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Dev.
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	10
Start Date	Stop Date	Start Time	Stop Time	Zone 4	Zone 5									
1880	1900	0	7300	0.1	0.1									
1900	1905	7300	9125	0.1	0.1									
1905	1910	9125	10950	0.1	0.1									
1910	1915	10950	12775	0.1	0.1									
1915	1920	12775	14600	0.1	0.1									
1920	1925	14600	16425	0.1	0.1									
1925	1930	16425	18250	50	0.1									
1930	1935	18250	20075	100	0.1									
1935	1940	20075	21900	200	0.1									
1940	1945	21900	23725	300	0.1									
1945	1950	23725	25550	500	0.1									
1950	1955	25550	27375	500	500									
1955	1960	27375	29200	500	500									
1960	1965	29200	31025	500	500									
Start Date	Stop Date	Start Time	Stop Time	Zone 28	Zone 29	Zone 30	Zone 48	Zone 31	Zone 32	Zone 33	Zone 34	Zone 35	Zone 38	Zone 47
1960	1961	0	365	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	500	500	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	500	500	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	500	500	0.1	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	500	500	0.1	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-2(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 5)

				Pre 1988 Irrigation				*Post 1988 Irrigation*						*Future Dev.*
Irrigation Start year				***1920***	***1940***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***
Lag time (yrs)				**15**	**10**	**45**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**10**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 28**	**Zone 29**	**Zone 30**	**Zone 48**	**Zone 31**	**Zone 32**	**Zone 33**	**Zone 34**	**Zone 35**	**Zone 38**	**Zone 47**
2005	**2006**	16425	16790	100	100	0.1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	100	100	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	**2012**	18250	18980	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	100	100	100	100	100	100	0.1	0.1	0.1	0.1	100
2028	**2030**	24820	25550	100	100	100	100	100	100	0.1	0.1	0.1	0.1	100
2030	**2032**	25550	26280	100	100	100	100	100	100	100	0.1	0.1	0.1	100
2032	**2034**	26280	27010	100	100	100	100	100	100	100	100	0.1	100	100
2034	**2036**	27010	27740	100	100	100	100	100	100	100	100	100	100	100
2036	**2038**	27740	28470	100	100	100	100	100	100	100	100	100	100	100
2038	**2040**	28470	29200	100	100	100	100	100	100	100	100	100	100	100
2040	**2042**	29200	29930	100	100	100	100	100	100	100	100	100	100	100
2042	**2044**	29930	30660	100	100	100	100	100	100	100	100	100	100	100
2044	**2046**	30660	31390	100	100	100	100	100	100	100	100	100	100	100
2046	**2048**	31390	32120	100	100	100	100	100	100	100	100	100	100	100
2048	**2060**	32120	36500	100	100	100	100	100	100	100	100	100	100	100
2060	**2106**	36500	53290	100	100	100	100	100	100	100	100	100	100	100
2106	**2106**	53290	53291	100	100	100	100	100	100	100	100	100	100	100

A-2(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Pyap Area (Scenario 5)



A-2(S5). Total recharge volume applied in the Pyap Area (Scenario 5)

A-3. MODEL INPUT – NEW RESIDENCE AREA

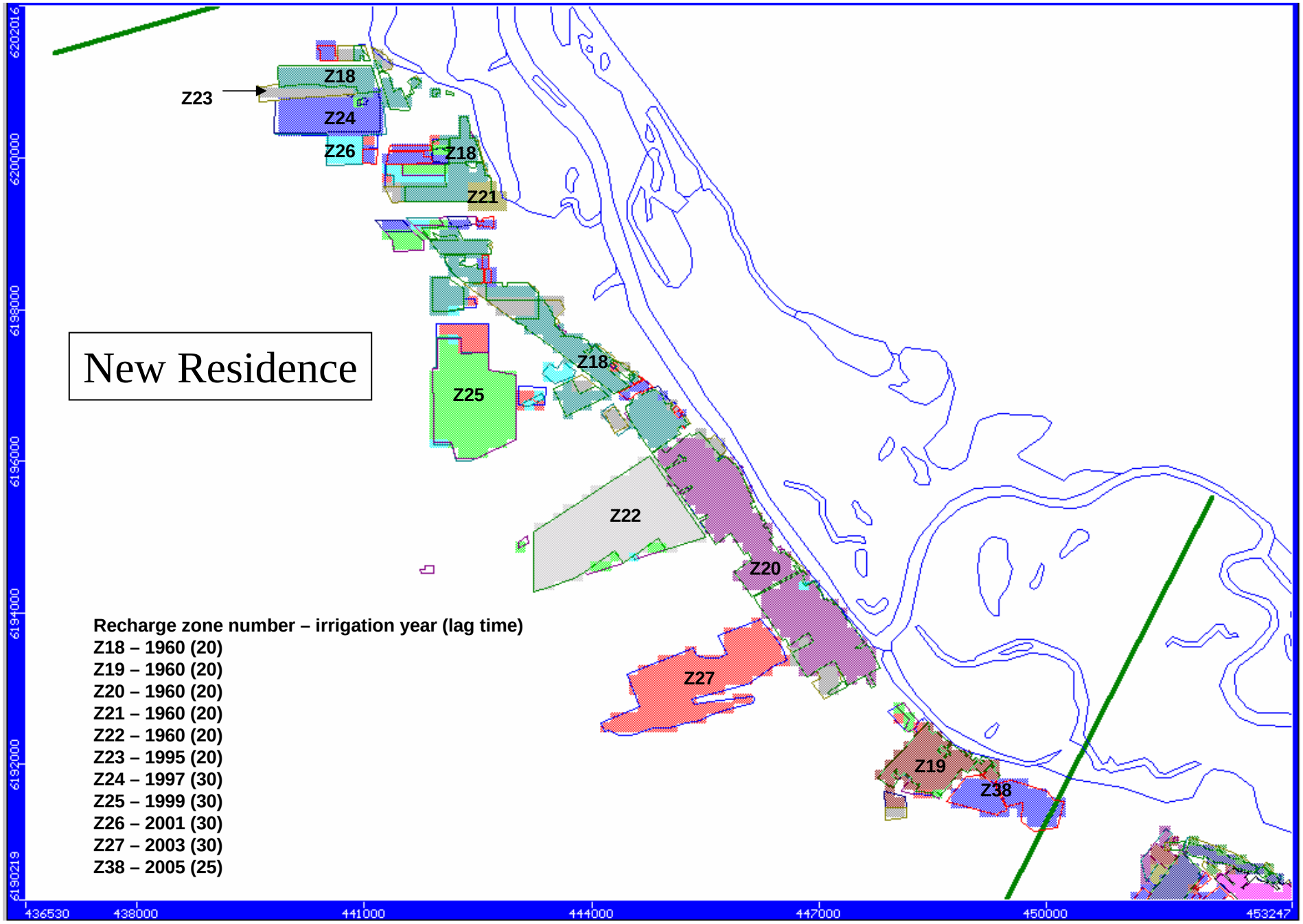
- Model scenario conditions
- Model recharge zones
- Model recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

(Scenario-3A, Scenario-3B, Scenario-3C, Scenario-4 and Scenario-5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

A-3. Model Scenario conditions



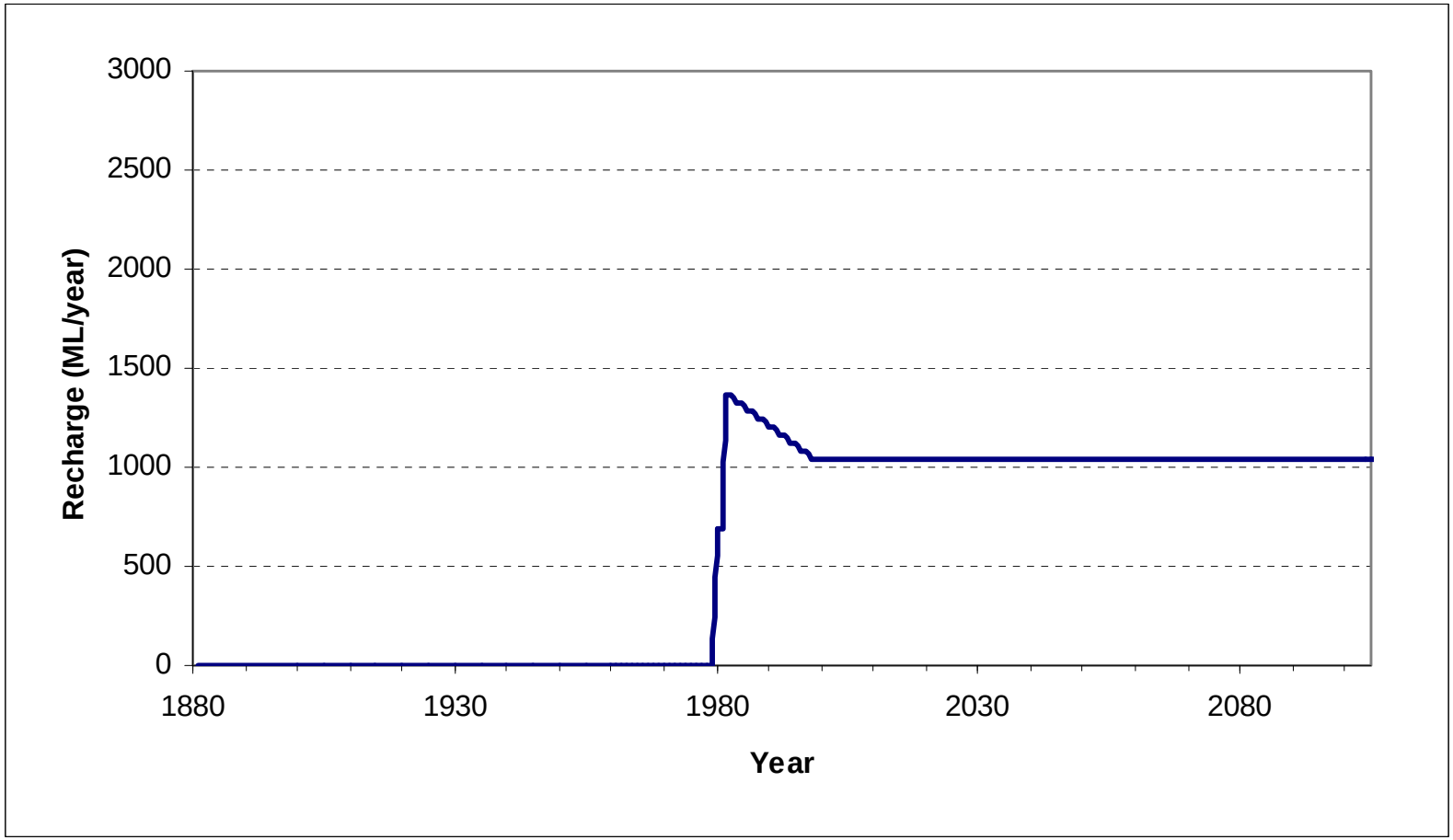
A-3. Model recharge zones in the New Residence area (Scenario-3A, 3B, 3C, 4 and 5)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				*1960*	*1960*	*1960*	*1960*	*1960*	*1995*	*1997*	*1999*	*2001*	*2003*	*2005*	*2015*	*2015*	*2015*
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
1960	**1961**	0	365	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	100	50	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	200	100	200	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	200	95	190	190	95	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	200	90	180	180	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	200	85	170	170	85	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	200	80	160	160	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	200	75	150	150	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	200	70	140	140	70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	200	65	130	130	65	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	**2007**	16425	16790	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 3A)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				*1960*	*1960*	*1960*	*1960*	*1960*	*1995*	*1997*	*1999*	*2001*	*2003*	*2005*	*2015*	*2015*	*2015*
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
2010	**2012**	18250	18980	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2050**	32120	32850	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	**2052**	32850	33580	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	**2106**	33580	53290	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	**2106**	53290	53291	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 3A)



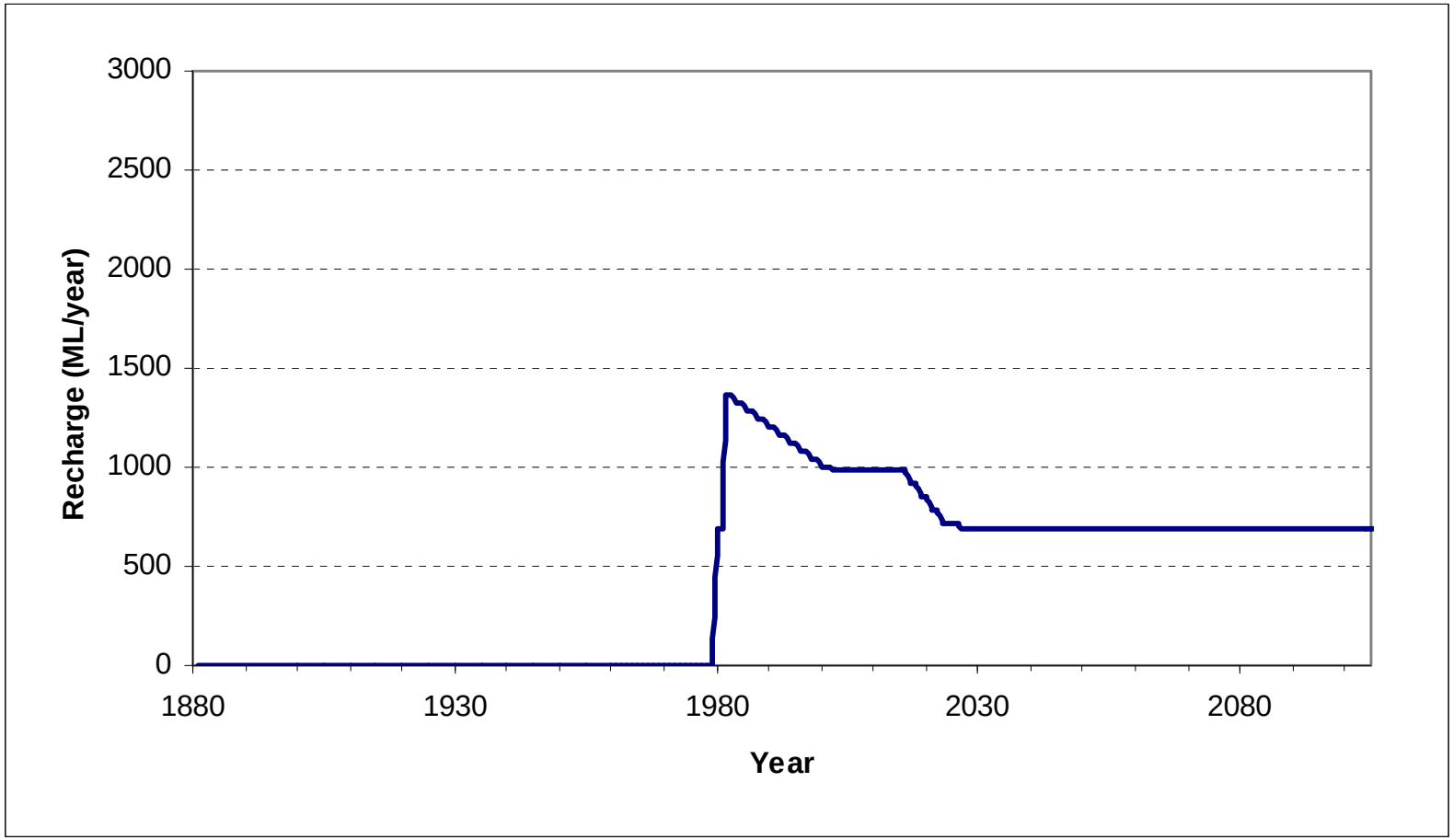
A-3(S3A). Total recharge volume applied in the New Residence Area (Scenario 3A)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1960***	***1960***	***1960***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
1960	**1961**	0	365	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	100	50	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	200	100	200	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	200	95	190	190	95	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	200	90	180	180	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	200	85	170	170	85	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	200	80	160	160	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	200	75	150	150	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	200	70	140	140	70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	200	65	130	130	65	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	200	55	110	110	55	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	**2007**	16425	16790	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 3B)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1960***	***1960***	***1960***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
2010	**2012**	18250	18980	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	175	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	150	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	125	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	100	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	100	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2050**	32120	32850	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	**2052**	32850	33580	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	**2106**	33580	53290	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	**2106**	53290	53291	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 3B)



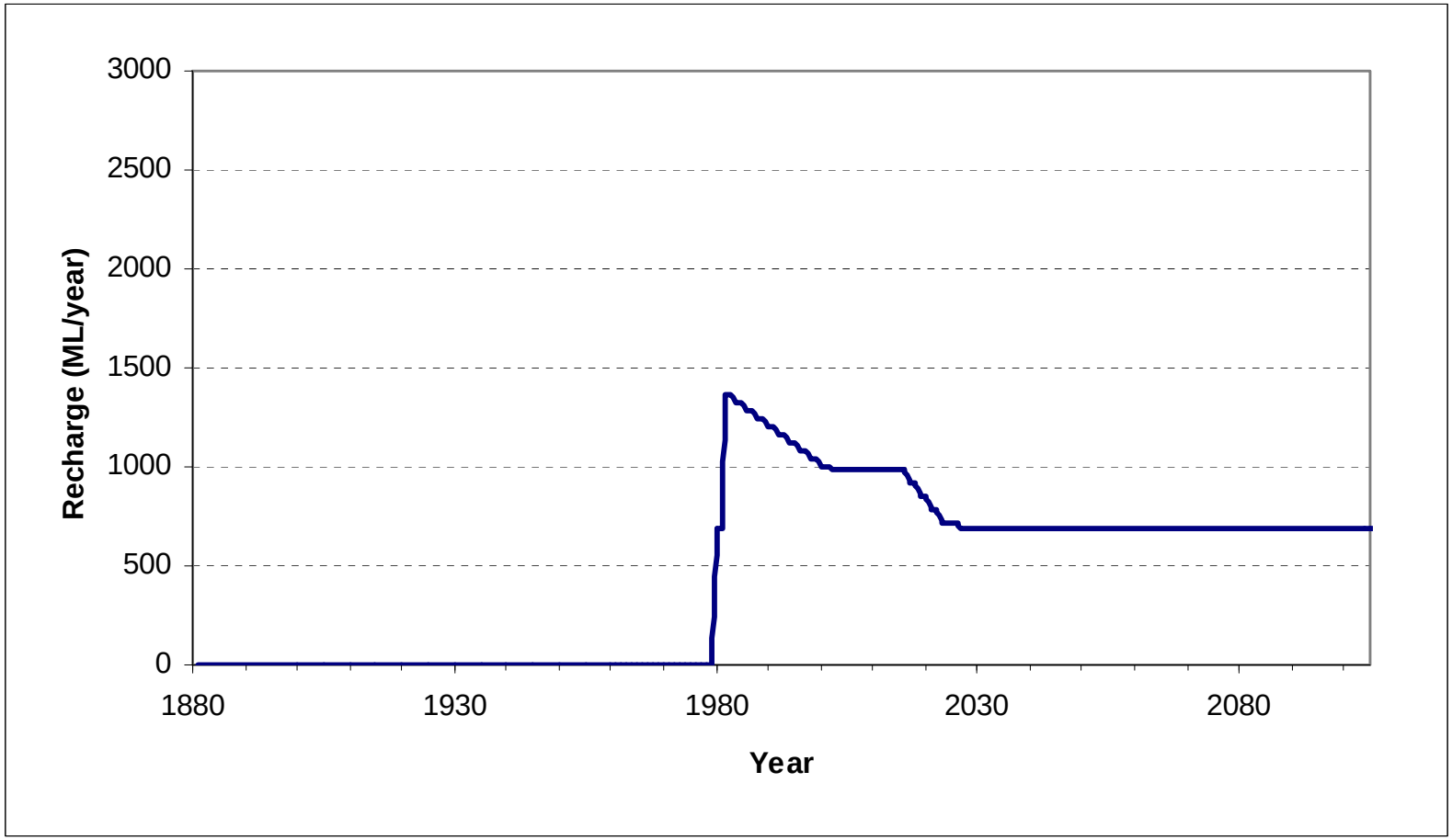
A-3(S3B). Total recharge volume applied in the New Residence Area (Scenario 3B)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1960***	***1960***	***1960***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
1960	**1961**	0	365	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	100	50	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	200	100	200	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	200	95	190	190	95	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	200	90	180	180	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	200	85	170	170	85	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	200	80	160	160	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	200	75	150	150	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	200	70	140	140	70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	200	65	130	130	65	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	200	55	110	110	55	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	**2007**	16425	16790	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 3C)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1960***	***1960***	***1960***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
2010	**2012**	18250	18980	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	175	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	150	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	125	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	100	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	100	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2050**	32120	32850	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	**2052**	32850	33580	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	**2106**	33580	53290	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	**2106**	53290	53291	100	55	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 3C)



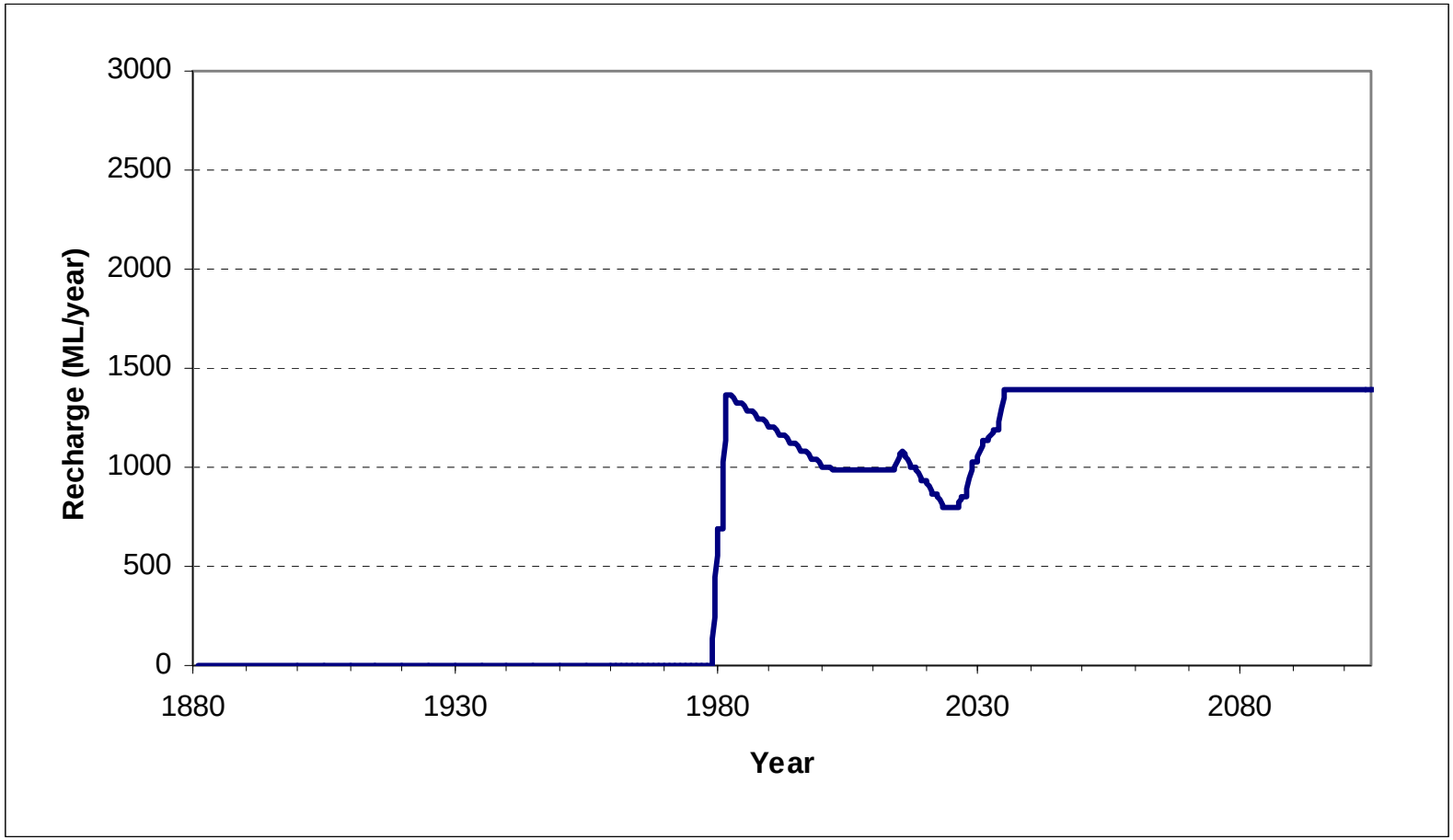
A-3(S3C). Total recharge volume applied in the New Residence Area (Scenario 3C)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1960***	***1960***	***1960***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
1960	**1961**	0	365	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	100	50	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	200	100	200	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	200	95	190	190	95	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	200	90	180	180	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	200	85	170	170	85	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	200	80	160	160	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	200	75	150	150	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	200	70	140	140	70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	200	65	130	130	65	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	200	55	110	110	55	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	**2007**	16425	16790	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 4)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				*1960*	*1960*	*1960*	*1960*	*1960*	*1995*	*1997*	*1999*	*2001*	*2003*	*2005*	*2015*	*2015*	*2015*
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
2010	**2012**	18250	18980	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	200	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	175	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	150	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	125	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	100	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	100	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	100	55	100	100	50	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	100	55	100	100	50	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	55	100	100	50	100	100	100	0.1	0.1	100	0.1	0.1	0.1
2032	**2034**	26280	27010	100	55	100	100	50	100	100	100	100	0.1	100	0.1	0.1	0.1
2034	**2036**	27010	27740	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2036	**2038**	27740	28470	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2038	**2040**	28470	29200	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2040	**2042**	29200	29930	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2042	**2044**	29930	30660	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2044	**2046**	30660	31390	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2046	**2048**	31390	32120	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2048	**2050**	32120	32850	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2050	**2052**	32850	33580	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2052	**2106**	33580	53290	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2106	**2106**	53290	53291	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1

A-3(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 4)



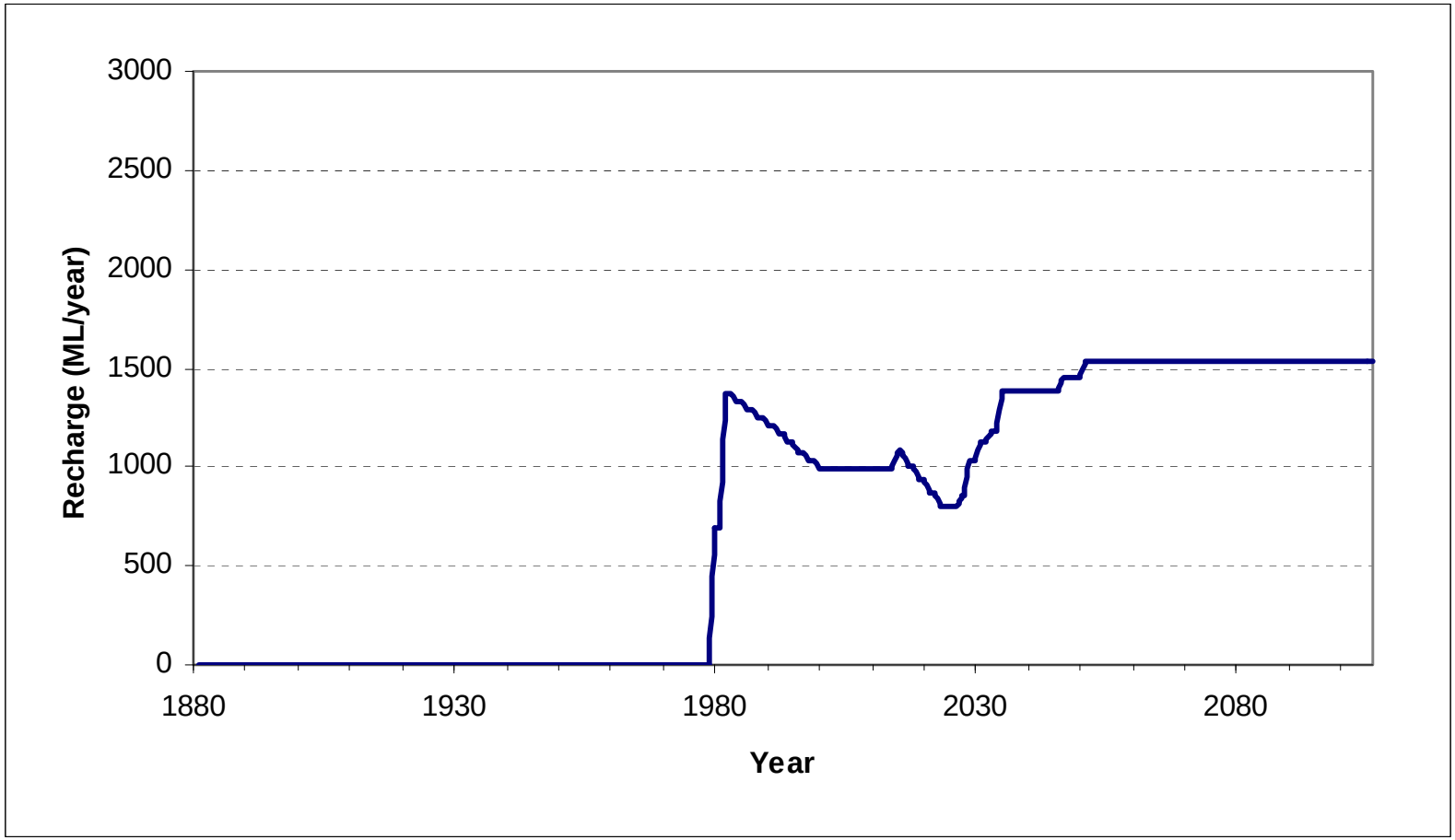
A-3(S4). Total recharge volume applied in the New Residence Area (Scenario 4)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1960***	***1960***	***1960***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
1960	**1961**	0	365	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	100	50	100	100	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	200	100	200	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	200	95	190	190	95	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	200	90	180	180	90	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	200	85	170	170	85	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	200	80	160	160	80	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	200	75	150	150	75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	200	70	140	140	70	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	200	65	130	130	65	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	200	60	120	120	60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	200	55	110	110	55	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2005	**2007**	16425	16790	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-3(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 5)

				Pre 1988 Irrigation					*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				*1960*	*1960*	*1960*	*1960*	*1960*	*1995*	*1997*	*1999*	*2001*	*2003*	*2005*	*2015*	*2015*	*2015*
Lag time (yrs)				**20**	**20**	**20**	**20**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**35**	**35**	**30**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 18**	**Zone 19**	**Zone 20**	**Zone 21**	**Zone 22**	**Zone 23**	**Zone 24**	**Zone 25**	**Zone 26**	**Zone 27**	**Zone 38**	**Zone 44**	**Zone 45**	**Zone 46**
2010	**2012**	18250	18980	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	200	55	110	110	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	200	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	175	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	150	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	125	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	100	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	100	55	110	110	50	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	100	55	100	100	50	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	100	55	100	100	50	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	55	100	100	50	100	100	100	0.1	0.1	100	0.1	0.1	0.1
2032	**2034**	26280	27010	100	55	100	100	50	100	100	100	100	0.1	100	0.1	0.1	0.1
2034	**2036**	27010	27740	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2036	**2038**	27740	28470	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2038	**2040**	28470	29200	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2040	**2042**	29200	29930	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2042	**2044**	29930	30660	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2044	**2046**	30660	31390	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	0.1
2046	**2048**	31390	32120	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	100
2048	**2050**	32120	32850	100	55	100	100	50	100	100	100	100	100	100	0.1	0.1	100
2050	**2052**	32850	33580	100	55	100	100	50	100	100	100	100	100	100	100.0	100	100
2052	**2106**	33580	53290	100	55	100	100	50	100	100	100	100	100	100	100	100	100
2106	**2106**	53290	53291	100	55	100	100	50	100	100	100	100	100	100	100	100	100

A-3(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the New Residence Area (Scenario 5)



A-3(S5). Total recharge volume applied in the New Residence Area (Scenario 5)

A-4. MODEL INPUT – MOOROOK AREA

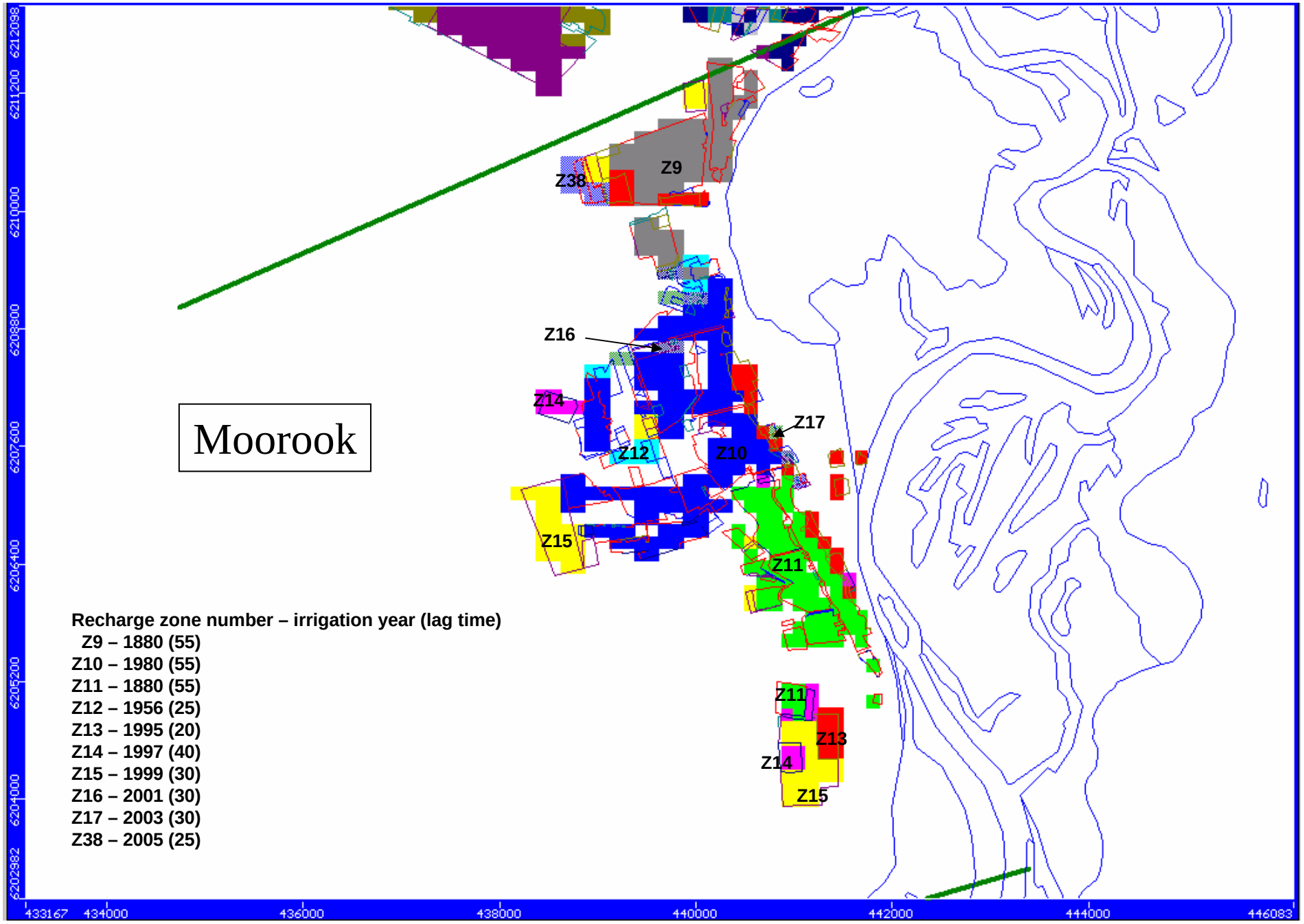
- Model scenario conditions
- Model recharge zones
- Model recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

(Scenario-3A, Scenario-3B, Scenario-3C, Scenario-4 and Scenario-5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

A-4. Model Scenario conditions



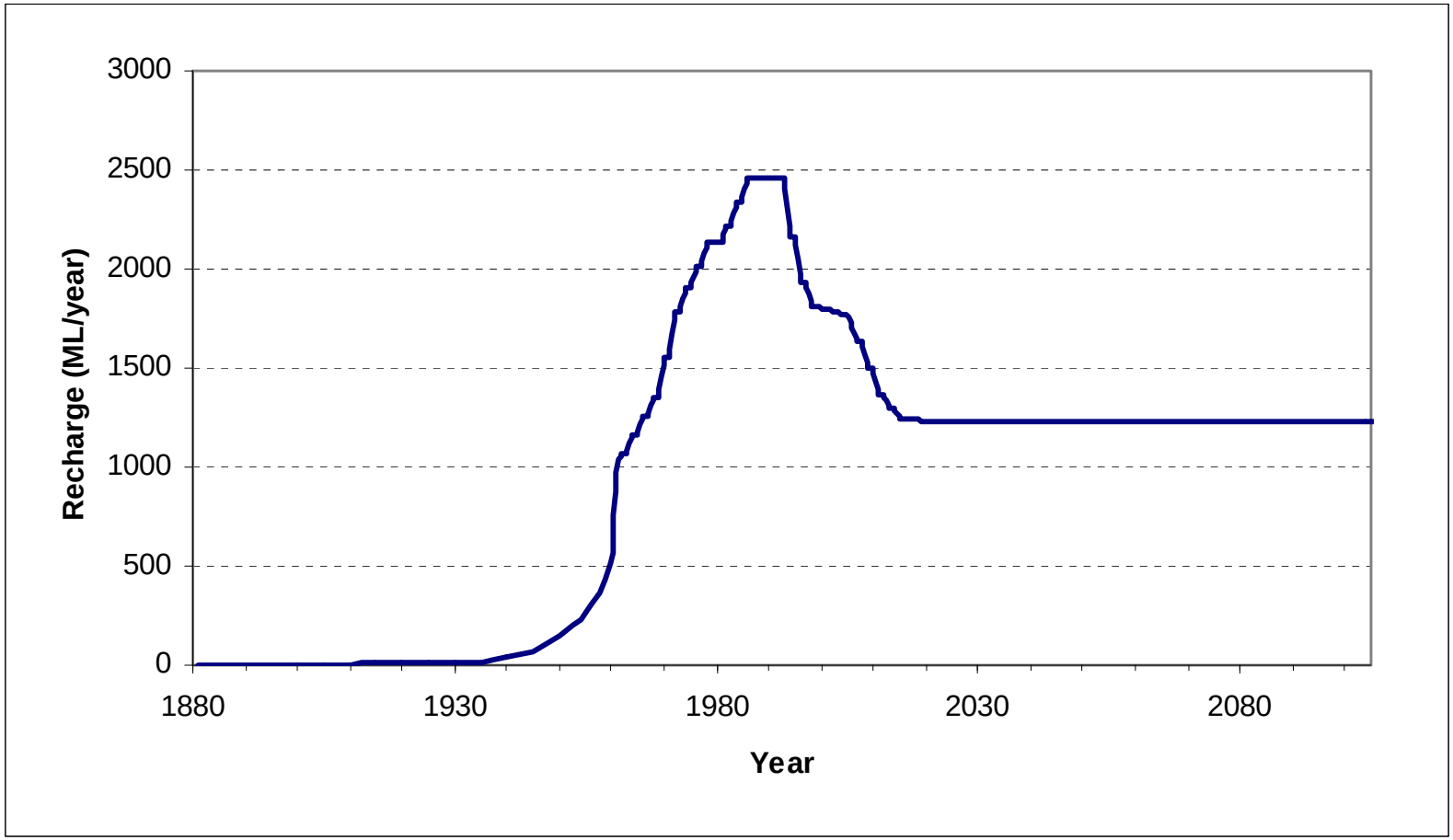
A-4. Model recharge zones in the Moorook area (Scenario-3A, 3B, 3C, 4 and 5)

				Pre 1988 Irrigation				*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1880***	***1880***	***1880***	***1956***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**55**	**55**	**55**	**25**	**20**	**40**	**30**	**30**	**30**	**25**	**20**	**20**	**40**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 3**	**Zone 3**	**Zone 3**										
1880	**1900**	0	7300	0.1	0.1	0.1										
1900	**1905**	7300	9125	0.1	0.1	0.1										
1905	**1910**	9125	10950	0.1	0.1	0.1										
1910	**1915**	10950	12775	0.1	0.1	0.1										
1915	**1920**	12775	14600	0.1	0.1	0.1										
1920	**1925**	14600	16425	0.1	0.1	0.1										
1925	**1930**	16425	18250	0.1	0.1	0.1										
1930	**1935**	18250	20075	0.1	0.1	0.1										
1935	**1940**	20075	21900	5	5	5										
1940	**1945**	21900	23725	10	10	10										
1945	**1950**	23725	25550	25	25	25										
1950	**1955**	25550	27375	50	50	50										
1955	**1960**	27375	29200	100	100	100										
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**	**Zone 42**	**Zone 43**
1960	**1961**	0	365	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	220	220	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	240	240	240	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	260	260	260	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	280	280	280	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	325	325	325	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	375	375	375	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	425	425	425	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	475	475	475	475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	450	400	500	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	440	300	500	440	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	430	250	500	430	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	420	250	500	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	410	250	500	410	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	400	250	500	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 3A)

				Pre 1988 Irrigation				*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1920***	***1940***	***1960***	***1960***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**15**	**10**	**45**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**20**	**20**	**40**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**	**Zone 42**	**Zone 43**
2005	**2006**	16425	16790	380	250	500	380	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	350	250	450	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	300	250	400	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	**2012**	18250	18980	250	250	350	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	250	250	300	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2050**	32120	32850	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	**2052**	32850	33580	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	**2054**	33580	34310	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2054	**2056**	34310	35040	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2056	**2060**	35040	36500	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	**2106**	36500	53290	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	**2107**	53290	53291	250	250	250	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 3A)



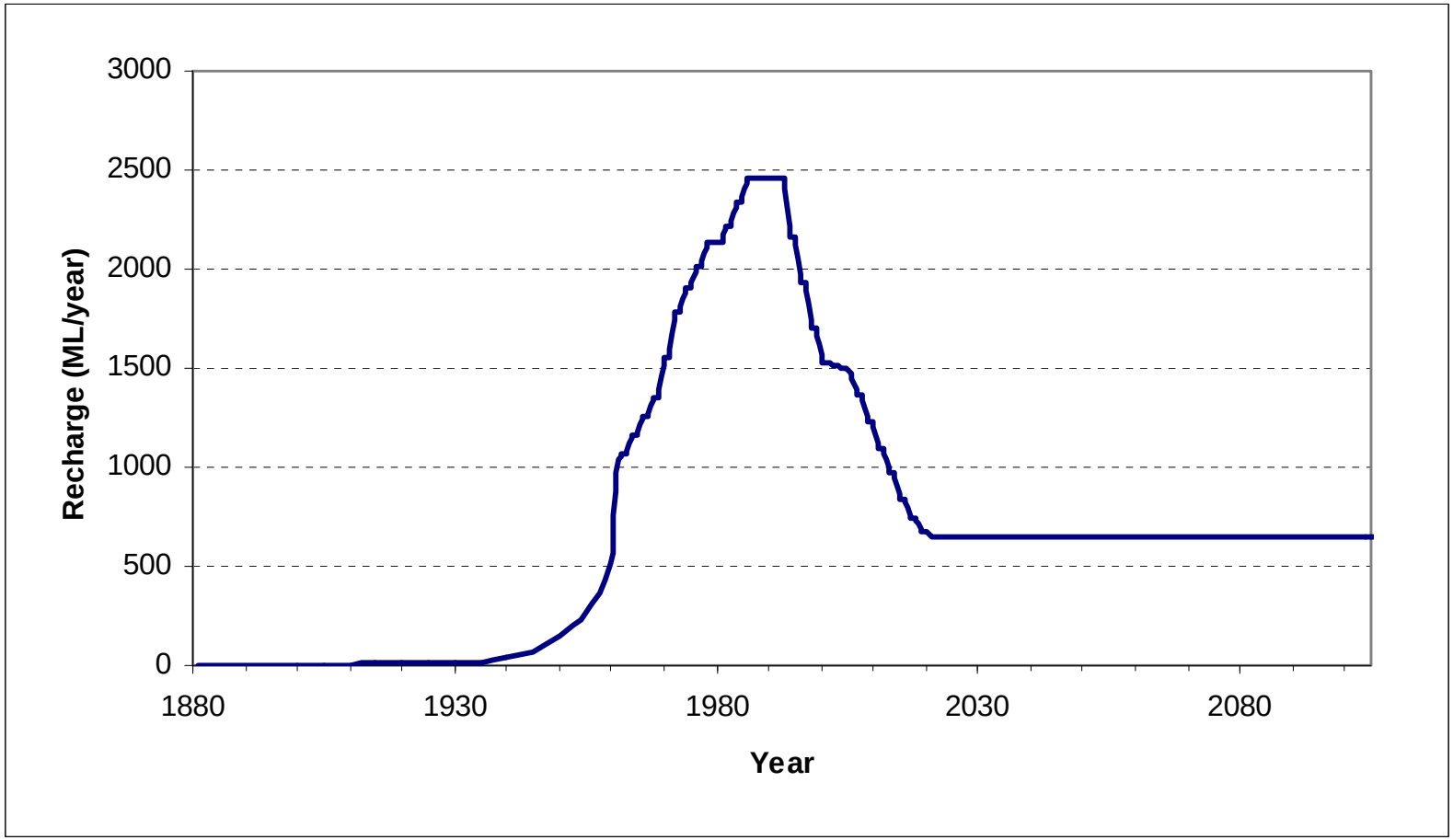
A-4(S3A). Total recharge volume applied in the Moorook Area (Scenario 3A)

				Pre 1988 Irrigation				*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1880***	***1880***	***1880***	***1956***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**55**	**55**	**55**	**25**	**20**	**40**	**30**	**30**	**30**	**25**	**20**	**20**	**40**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 3**	**Zone 3**	**Zone 3**										
1880	**1900**	0	7300	0.1	0.1	0.1										
1900	**1905**	7300	9125	0.1	0.1	0.1										
1905	**1910**	9125	10950	0.1	0.1	0.1										
1910	**1915**	10950	12775	0.1	0.1	0.1										
1915	**1920**	12775	14600	0.1	0.1	0.1										
1920	**1925**	14600	16425	0.1	0.1	0.1										
1925	**1930**	16425	18250	0.1	0.1	0.1										
1930	**1935**	18250	20075	0.1	0.1	0.1										
1935	**1940**	20075	21900	5	5	5										
1940	**1945**	21900	23725	10	10	10										
1945	**1950**	23725	25550	25	25	25										
1950	**1955**	25550	27375	50	50	50										
1955	**1960**	27375	29200	100	100	100										
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**	**Zone 42**	**Zone 43**
1960	**1961**	0	365	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	220	220	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	240	240	240	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	260	260	260	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	280	280	280	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	325	325	325	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	375	375	375	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	425	425	425	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	475	475	475	475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	450	400	500	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	440	300	500	440	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	430	200	500	430	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	420	130	500	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	410	130	500	410	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	400	130	500	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 3B)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Development		
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015	2015	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	20	20	40
Start Date	Stop Date	Start Time	Stop Time	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 38	Zone 41	Zone 42	Zone 43
2005	2006	16425	16790	380	130	500.0	380	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	350	130	450	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	300	130	400	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	250	130	350	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	200	130	300	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	150	130	250	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	130	130	200	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	130	130	150	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2034	26280	27010	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	2036	27010	27740	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	2038	27740	28470	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	2040	28470	29200	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	2042	29200	29930	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	2044	29930	30660	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	2046	30660	31390	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	2048	31390	32120	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	2050	32120	32850	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	2052	32850	33580	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	2054	33580	34310	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2054	2056	34310	35040	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2056	2060	35040	36500	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	2106	36500	53290	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	2107	53290	53291	130	130	130	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 3B)



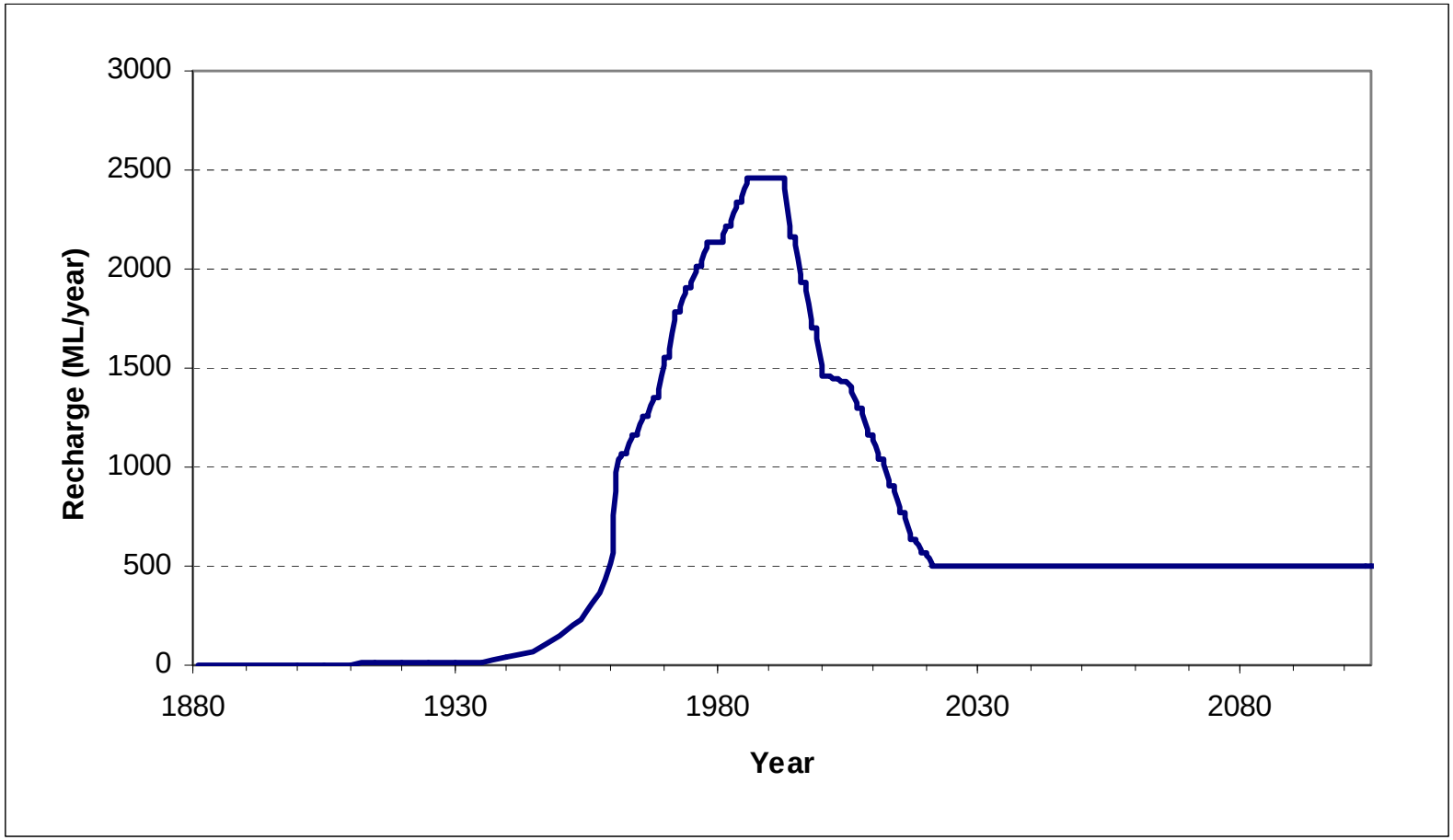
A-4(S3B). Total recharge volume applied in the Moorook Area (Scenario 3B)

				Pre 1988 Irrigation				*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				***1880***	***1880***	***1880***	***1956***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2015***	***2015***	***2015***
Lag time (yrs)				**55**	**55**	**55**	**25**	**20**	**40**	**30**	**30**	**30**	**25**	**20**	**20**	**40**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 3**	**Zone 3**	**Zone 3**										
1880	**1900**	0	7300	0.1	0.1	0.1										
1900	**1905**	7300	9125	0.1	0.1	0.1										
1905	**1910**	9125	10950	0.1	0.1	0.1										
1910	**1915**	10950	12775	0.1	0.1	0.1										
1915	**1920**	12775	14600	0.1	0.1	0.1										
1920	**1925**	14600	16425	0.1	0.1	0.1										
1925	**1930**	16425	18250	0.1	0.1	0.1										
1930	**1935**	18250	20075	0.1	0.1	0.1										
1935	**1940**	20075	21900	5	5	5										
1940	**1945**	21900	23725	10	10	10										
1945	**1950**	23725	25550	25	25	25										
1950	**1955**	25550	27375	50	50	50										
1955	**1960**	27375	29200	100	100	100										
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**	**Zone 42**	**Zone 43**
1960	**1961**	0	365	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	220	220	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	240	240	240	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	260	260	260	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	280	280	280	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	325	325	325	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	375	375	375	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	425	425	425	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	475	475	475	475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	450	400	500	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	440	300	500	440	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	430	200	500	430	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	420	100	500	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	410	100	500	410	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	400	100	500	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 3C)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Development		
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015	2015	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	20	20	40
Start Date	Stop Date	Start Time	Stop Time	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 38	Zone 41	Zone 42	Zone 43
2005	2006	16425	16790	380	100	500	380	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	350	100	450	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	300	100	400	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	250	100	350	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	200	100	300	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	150	100	250	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	100	100	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	100	100	150	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	2034	26280	27010	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	2036	27010	27740	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	2038	27740	28470	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	2040	28470	29200	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	2042	29200	29930	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	2044	29930	30660	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	2046	30660	31390	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	2048	31390	32120	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	2050	32120	32850	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	2052	32850	33580	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	2054	33580	34310	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2054	2056	34310	35040	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2056	2060	35040	36500	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	2106	36500	53290	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	2107	53290	53291	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 3C)



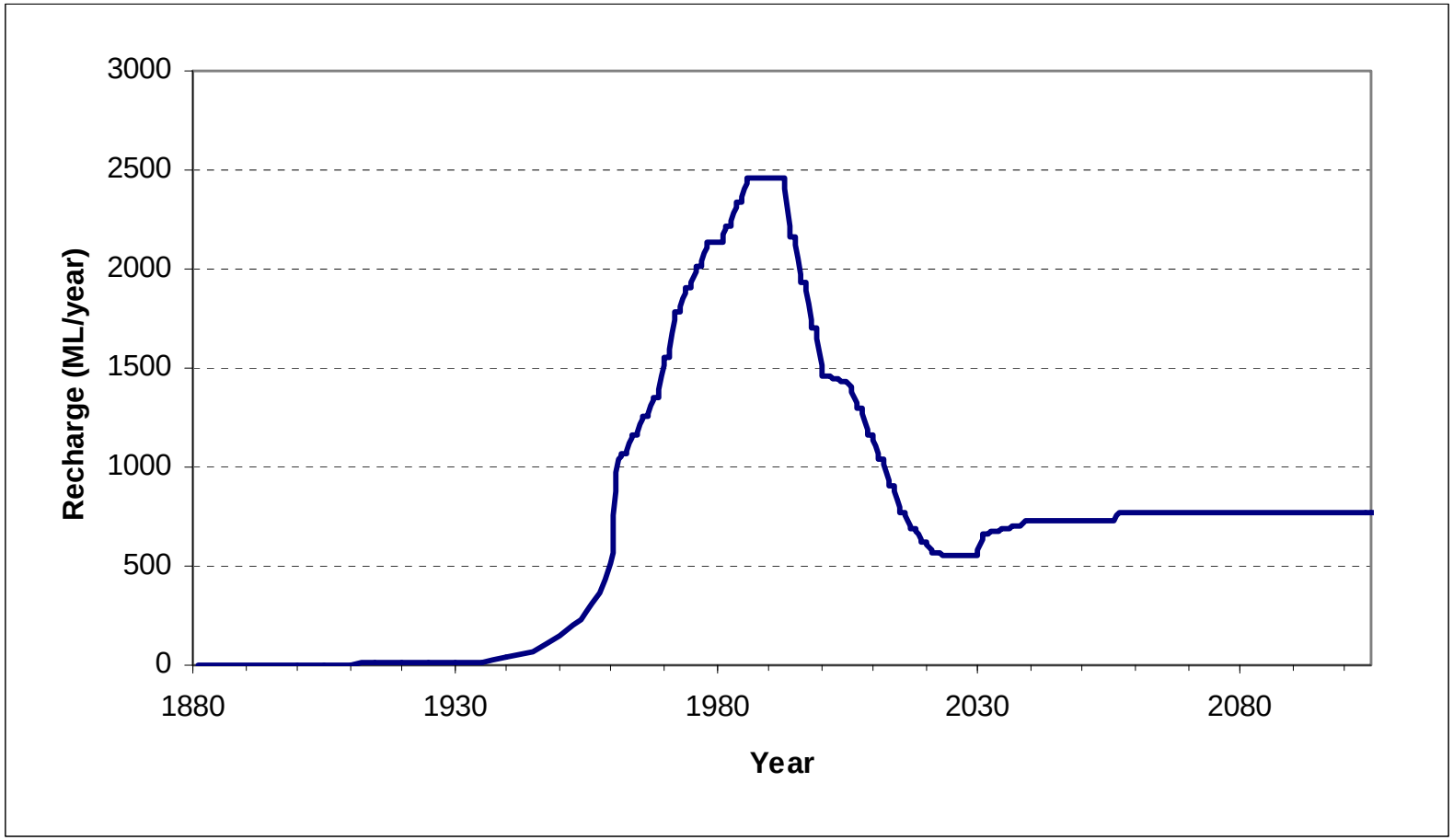
A-4(S3C). Total recharge volume applied in the Moorook Area (Scenario 3C)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Development		
Irrigation Start year				1880	1880	1880	1956	1995	1997	1999	2001	2003	2005	2015	2015	2015
Lag time (yrs)				55	55	55	25	20	40	30	30	30	25	20	20	40
Start Date	Stop Date	Start Time	Stop Time	Zone 3	Zone 3	Zone 3										
1880	1900	0	7300	0.1	0.1	0.1										
1900	1905	7300	9125	0.1	0.1	0.1										
1905	1910	9125	10950	0.1	0.1	0.1										
1910	1915	10950	12775	0.1	0.1	0.1										
1915	1920	12775	14600	0.1	0.1	0.1										
1920	1925	14600	16425	0.1	0.1	0.1										
1925	1930	16425	18250	0.1	0.1	0.1										
1930	1935	18250	20075	0.1	0.1	0.1										
1935	1940	20075	21900	5	5	5										
1940	1945	21900	23725	10	10	10										
1945	1950	23725	25550	25	25	25										
1950	1955	25550	27375	50	50	50										
1955	1960	27375	29200	100	100	100										
Start Date	Stop Date	Start Time	Stop Time	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 38	Zone 41	Zone 42	Zone 43
1960	1961	0	365	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	220	220	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	240	240	240	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	260	260	260	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	280	280	280	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	325	325	325	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	375	375	375	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	425	425	425	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	475	475	475	475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	450	400	500	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	440	300	500	440	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	430	200	500	430	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	420	100	500	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	410	100	500	410	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	400	100	500	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 4)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Development		
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015	2015	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	20	20	40
Start Date	Stop Date	Start Time	Stop Time	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 38	Zone 41	Zone 42	Zone 43
2005	2006	16425	16790	380	100	500	380	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	350	100	450	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	300	100	400	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	250	100	350	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	200	100	300	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	150	100	250	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	100	100	200	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	100	100	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1
2032	2034	26280	27010	100	100	100	100	100	0.1	100	100	0.1	100	0.1	0.1	0.1
2034	2036	27010	27740	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	0.1
2036	2038	27740	28470	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	0.1
2038	2040	28470	29200	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2040	2042	29200	29930	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2042	2044	29930	30660	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2044	2046	30660	31390	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2046	2048	31390	32120	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2048	2050	32120	32850	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2050	2052	32850	33580	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2052	2054	33580	34310	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2054	2056	34310	35040	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2056	2060	35040	36500	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2060	2106	36500	53290	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2106	2107	53290	53291	100	100	100	100	100	100	100	100	100	100	0.1	0.1	0.1

A-4(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 4)



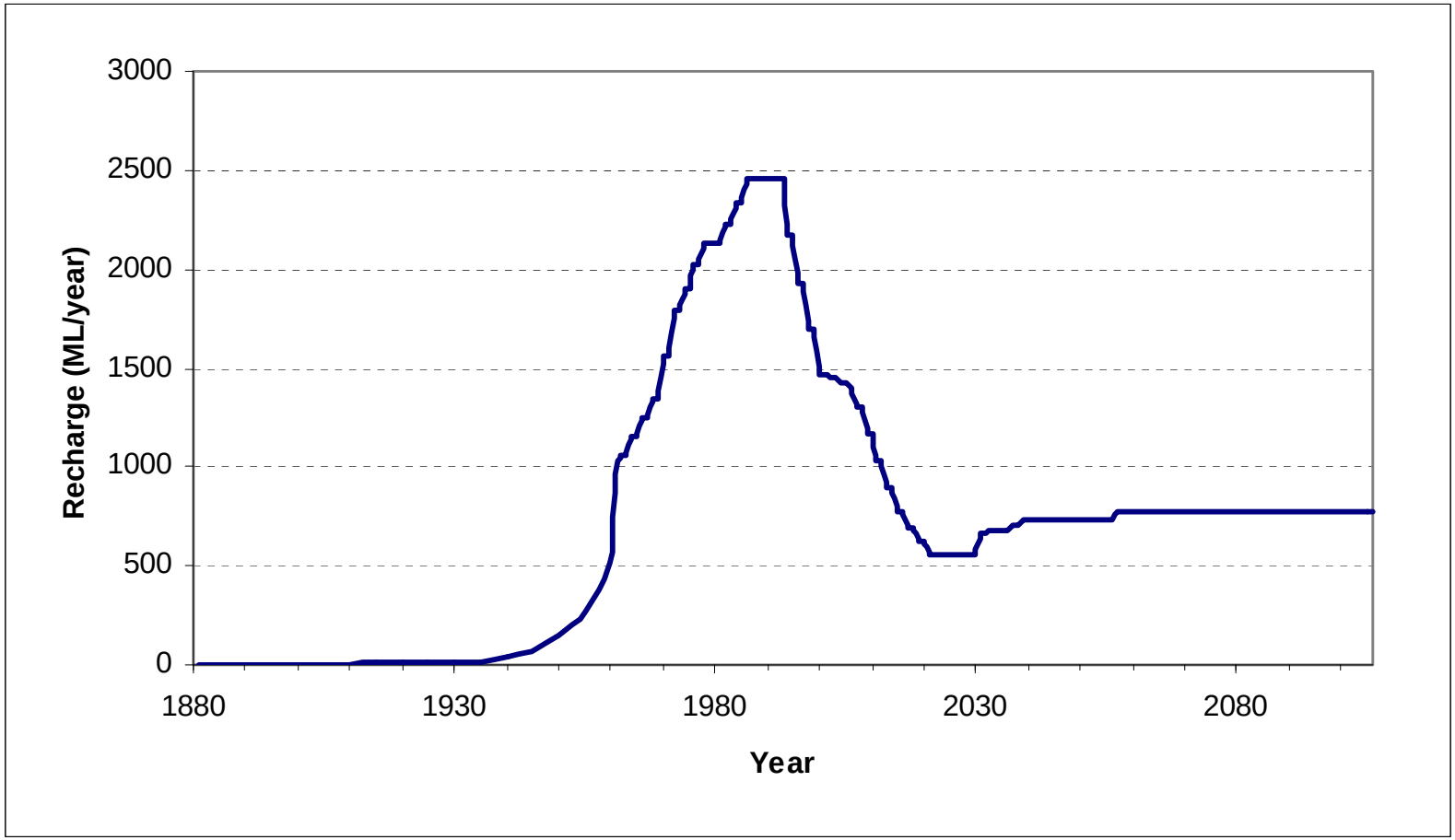
A-4(S4). Total recharge volume applied in the Moorook Area (Scenario 4)

				Pre 1988 Irrigation				*Post 1988 Irrigation*						*Future Development*		
Irrigation Start year				*1880*	*1880*	*1880*	*1956*	*1995*	*1997*	*1999*	*2001*	*2003*	*2005*	*2015*	*2015*	*2015*
Lag time (yrs)				**55**	**55**	**55**	**25**	**20**	**40**	**30**	**30**	**30**	**25**	**20**	**20**	**40**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 3**	**Zone 3**	**Zone 3**										
1880	**1900**	0	7300	0.1	0.1	0.1										
1900	**1905**	7300	9125	0.1	0.1	0.1										
1905	**1910**	9125	10950	0.1	0.1	0.1										
1910	**1915**	10950	12775	0.1	0.1	0.1										
1915	**1920**	12775	14600	0.1	0.1	0.1										
1920	**1925**	14600	16425	0.1	0.1	0.1										
1925	**1930**	16425	18250	0.1	0.1	0.1										
1930	**1935**	18250	20075	0.1	0.1	0.1										
1935	**1940**	20075	21900	5	5	5										
1940	**1945**	21900	23725	10	10	10										
1945	**1950**	23725	25550	25	25	25										
1950	**1955**	25550	27375	50	50	50										
1955	**1960**	27375	29200	100	100	100										
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**	**Zone 42**	**Zone 43**
1960	**1961**	0	365	200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	**1963**	365	1095	220	220	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	**1965**	1095	1825	240	240	240	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	**1967**	1825	2555	260	260	260	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	**1969**	2555	3285	280	280	280	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	**1971**	3285	4015	325	325	325	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	**1973**	4015	4745	375	375	375	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	**1975**	4745	5475	400	400	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	**1977**	5475	6205	425	425	425	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	**1979**	6205	6935	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	**1981**	6935	7665	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	**1983**	7665	8395	450	450	450	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	**1985**	8395	9125	475	475	475	475	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	**1987**	9125	9855	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	**1989**	9855	10585	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	**1991**	10585	11315	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	**1993**	11315	12045	500	500	500	500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	**1995**	12045	12775	450	400	500	450	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	**1997**	12775	13505	440	300	500	440	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	**1999**	13505	14235	430	200	500	430	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	**2001**	14235	14965	420	100	500	420	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	**2003**	14965	15695	410	100	500	410	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	**2005**	15695	16425	400	100	500	400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-4(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 5)

				Pre 1988 Irrigation				Post 1988 Irrigation						Future Development		
Irrigation Start year				1920	1940	1960	1960	1995	1997	1999	2001	2003	2005	2015	2015	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	20	20	40
Start Date	Stop Date	Start Time	Stop Time	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 38	Zone 41	Zone 42	Zone 43
2005	2006	16425	16790	380	100	500	380	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	350	100	450	350	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	300	100	400	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	250	100	350	250	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	200	100	300	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	150	100	250	150	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	100	100	200	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	100	100	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	100	100	100	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1
2032	2034	26280	27010	100	100	100	100	100	0.1	100	100	0.1	100	0.1	0.1	0.1
2034	2036	27010	27740	100	100	100	100	100	0.1	100	100	100	100	0.1	0.1	0.1
2036	2038	27740	28470	100	100	100	100	100	0.1	100	100	100	100	100	100	0.1
2038	2040	28470	29200	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2040	2042	29200	29930	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2042	2044	29930	30660	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2044	2046	30660	31390	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2046	2048	31390	32120	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2048	2050	32120	32850	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2050	2052	32850	33580	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2052	2054	33580	34310	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2054	2056	34310	35040	100	100	100	100	100	100	100	100	100	100	100	100	0.1
2056	2060	35040	36500	100	100	100	100	100	100	100	100	100	100	100	100	100
2060	2106	36500	53290	100	100	100	100	100	100	100	100	100	100	100	100	100
2106	2107	53290	53291	100	100	100	100	100	100	100	100	100	100	100	100	100

A-4(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Moorook Area (Scenario 5)



A-4(S5). Total recharge volume applied in the Moorook Area (Scenario 5)

A-5. MODEL INPUT – KINGSTON AREA

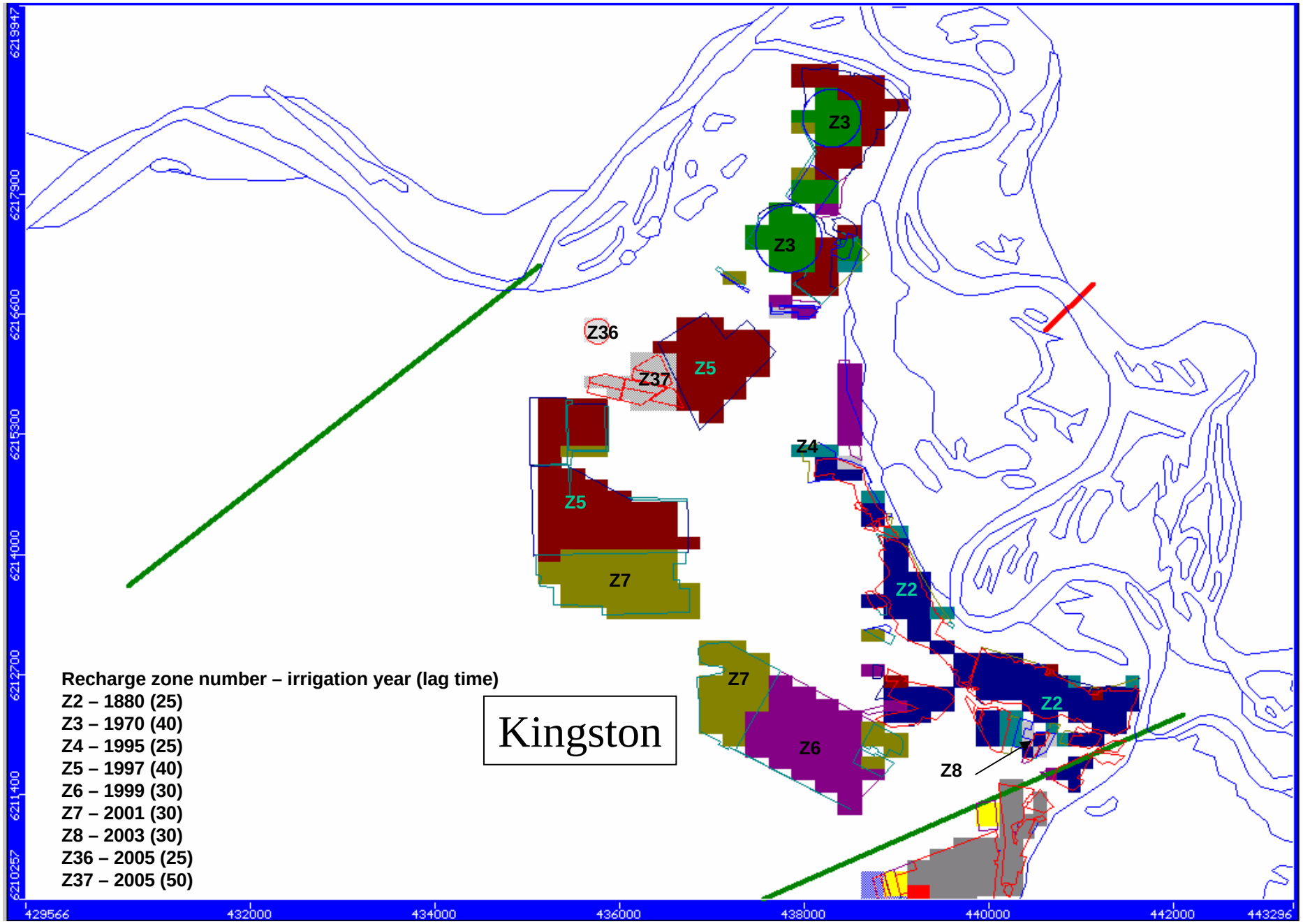
- Model scenario conditions
- Model recharge zones
- Model recharge rates (mm/y)
- Irrigation start year and lag time
- Total model recharge volume

(Scenario-3A, Scenario-3B, Scenario-3C, Scenario-4 and Scenario-5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

A-5. Model Scenario conditions



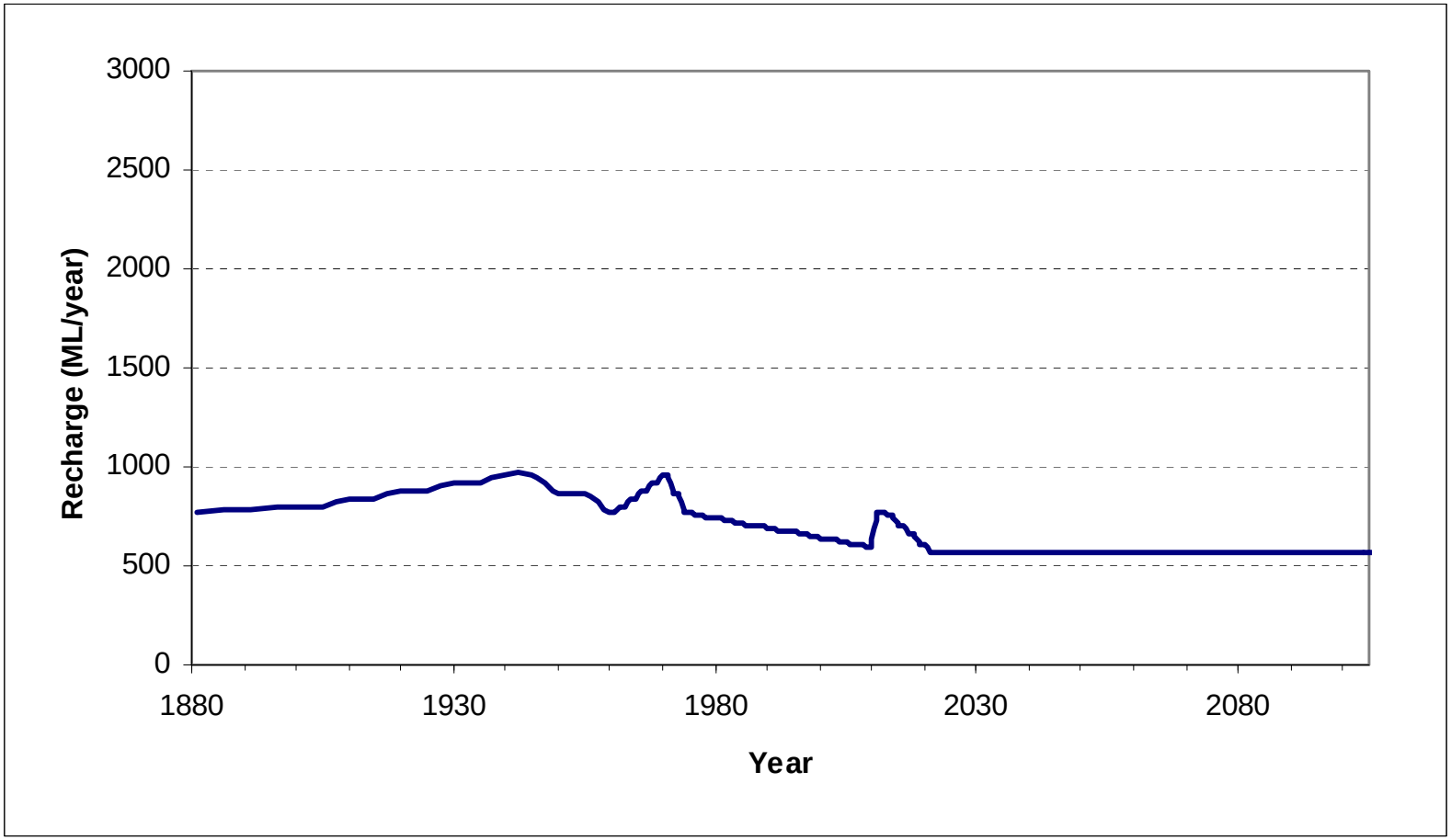
A-5. Model recharge zones in the Kingston area (Scenario-3A, 3B, 3C, 4 and 5)

				Pre 1988 Irrigation		Post 1988 Irrigation							Future Development	
Irrigation Start year				1880	1970	1995	1997	1999	2001	2003	2005	2005	2015	2015
Lag time (yrs)				25	40	25	40	30	30	30	25	50	15	15
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1880	1900	0	7300	0.1										
1900	1905	7300	9125	0.1										
1905	1910	9125	10950	25										
1910	1915	10950	12775	50										
1915	1920	12775	14600	75										
1920	1925	14600	16425	100										
1925	1930	16425	18250	125										
1930	1935	18250	20075	150										
1935	1940	20075	21900	200										
1940	1945	21900	23725	225										
1945	1950	23725	25550	250										
1950	1955	25550	27375	300										
1955	1960	27375	29200	350										
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1960	1961	0	365	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	420	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	440	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	460	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	480	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	450	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	395	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	390	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	385	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	380	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	375	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	370	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	365	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	360	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	355	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	350	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	345	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	340	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	335	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	330	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	325	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 3A)

				Pre 1988 Irrigation		*Post 1988 Irrigation*							*Future Development*	
Irrigation Start year				***1880***	***1970***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2005***	***2015***	***2015***
Lag time (yrs)				**15**	**10**	**45**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**20**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**
2005	**2006**	16425	16790	320	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	315	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	310	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	**2012**	18250	18980	305	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	300	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	275	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	250	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	225	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2050**	32120	32850	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2050	**2052**	32850	33580	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2052	**2054**	33580	34310	200	200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2054	**2056**	34310	35040	100	100	100	100	100	100	100	100	100	100	100
2056	**2060**	35040	36500	100	100	100	100	100	100	100	100	100	100	100
2060	**2106**	36500	53290	100	100	100	100	100	100	100	100	100	100	100
2106	**2107**	53290	53291	100	100	100	100	100	100	100	100	100	100	100

A-5(S3A). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 3A)



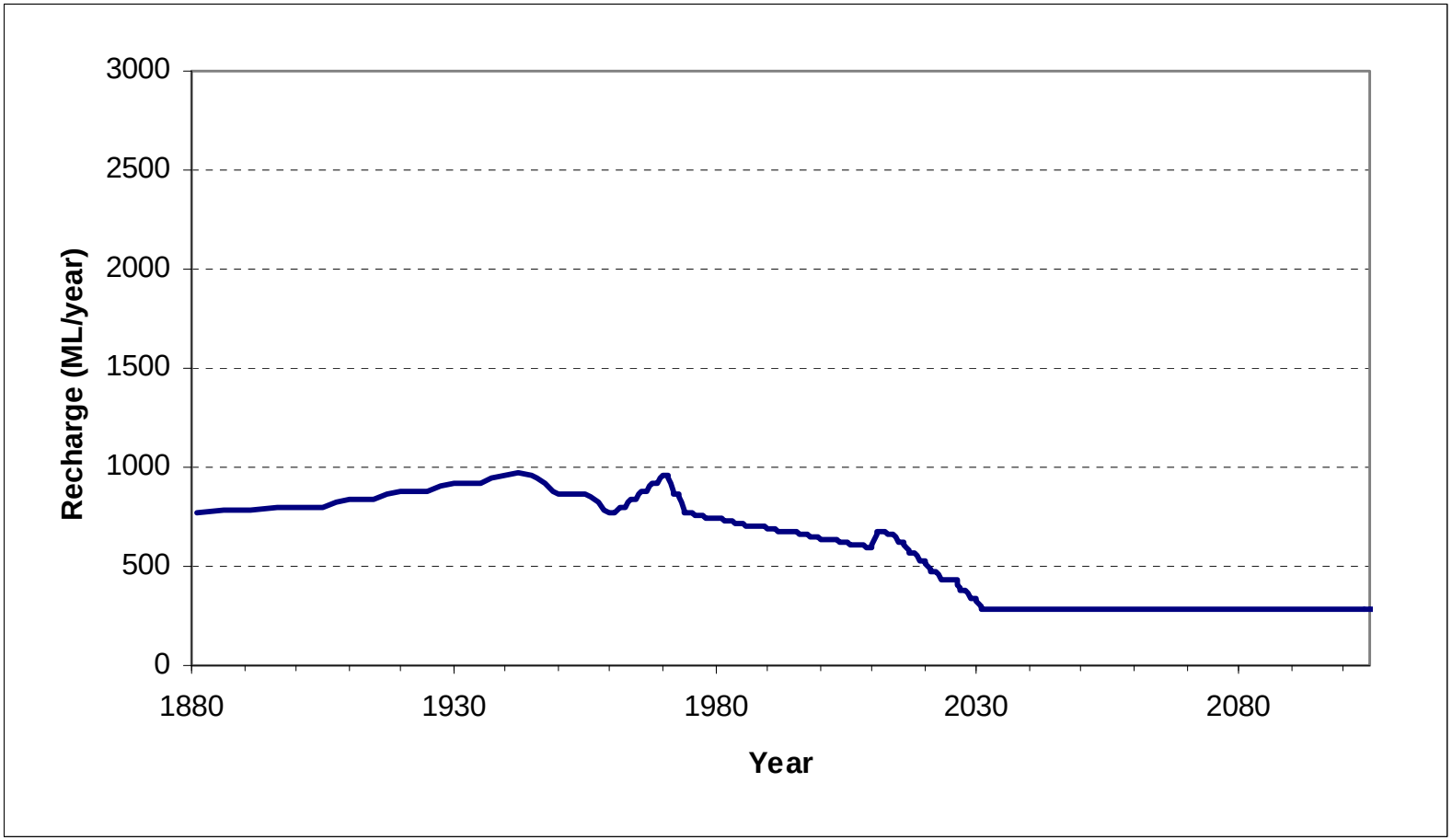
A-5(S3A). Total recharge volume applied in the Kingston Area (Scenario 3A)

				Pre 1988 Irrigation		Post 1988 Irrigation							Future Development	
Irrigation Start year				1880	1970	1995	1997	1999	2001	2003	2005	2005	2015	2015
Lag time (yrs)				25	40	25	40	30	30	30	25	50	15	15
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1880	1900	0	7300	0.1										
1900	1905	7300	9125	0.1										
1905	1910	9125	10950	25										
1910	1915	10950	12775	50										
1915	1920	12775	14600	75										
1920	1925	14600	16425	100										
1925	1930	16425	18250	125										
1930	1935	18250	20075	150										
1935	1940	20075	21900	200										
1940	1945	21900	23725	225										
1945	1950	23725	25550	250										
1950	1955	25550	27375	300										
1955	1960	27375	29200	350										
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1960	1961	0	365	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	420	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	440	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	460	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	480	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	450	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	395	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	390	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	385	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	380	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	375	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	370	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	365	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	360	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	355	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	350	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	345	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	340	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	335	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	330	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	325	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 3B)

				Pre 1988 Irrigation		*Post 1988 Irrigation*							*Future Development*	
Irrigation Start year				***1880***	***1970***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2005***	***2015***	***2015***
Lag time (yrs)				**15**	**10**	**45**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**20**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**
2005	**2006**	16425	16790	320	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	315	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	310	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	**2012**	18250	18980	305	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	300	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	275	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	250	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	225	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	175	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	175	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	150	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	125	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2060**	32120	36500	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	**2106**	36500	53290	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	**2107**	53290	53291	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S3B). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 3B)



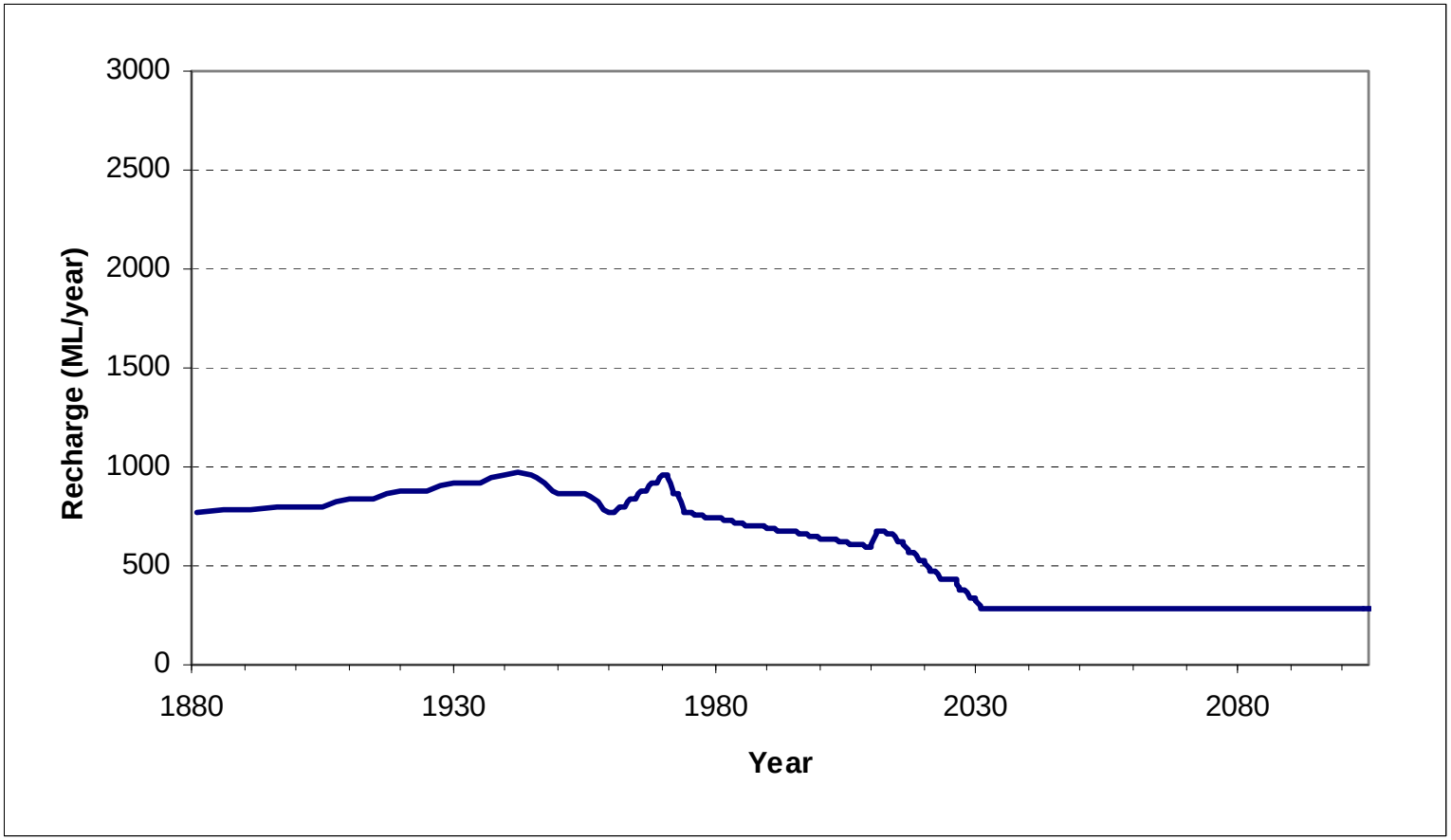
A-5(S3B). Total recharge volume applied in the Kingston Area (Scenario 3B)

				Pre 1988 Irrigation		Post 1988 Irrigation							Future Development	
Irrigation Start year				1880	1970	1995	1997	1999	2001	2003	2005	2005	2015	2015
Lag time (yrs)				25	40	25	40	30	30	30	25	50	15	15
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1880	1900	0	7300	0.1										
1900	1905	7300	9125	0.1										
1905	1910	9125	10950	25										
1910	1915	10950	12775	50										
1915	1920	12775	14600	75										
1920	1925	14600	16425	100										
1925	1930	16425	18250	125										
1930	1935	18250	20075	150										
1935	1940	20075	21900	200										
1940	1945	21900	23725	225										
1945	1950	23725	25550	250										
1950	1955	25550	27375	300										
1955	1960	27375	29200	350										
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1960	1961	0	365	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	420	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	440	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	460	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	480	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	450	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	395	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	390	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	385	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	380	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	375	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	370	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	365	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	360	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	355	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	350	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	345	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	340	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	335	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	330	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	325	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 3C)

				Pre 1988 Irrigation		*Post 1988 Irrigation*							*Future Development*	
Irrigation Start year				***1880***	***1970***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2005***	***2015***	***2015***
Lag time (yrs)				**15**	**10**	**45**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**20**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**
2005	**2006**	16425	16790	320	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	315	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	310	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	**2012**	18250	18980	305	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	300	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	275	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	250	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	225	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	200	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	175	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	175	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	150	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	125	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2032	**2034**	26280	27010	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2034	**2036**	27010	27740	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2036	**2038**	27740	28470	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2038	**2040**	28470	29200	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2040	**2042**	29200	29930	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2042	**2044**	29930	30660	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2044	**2046**	30660	31390	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2046	**2048**	31390	32120	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2048	**2060**	32120	36500	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2060	**2106**	36500	53290	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2106	**2107**	53290	53291	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S3C). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 3C)



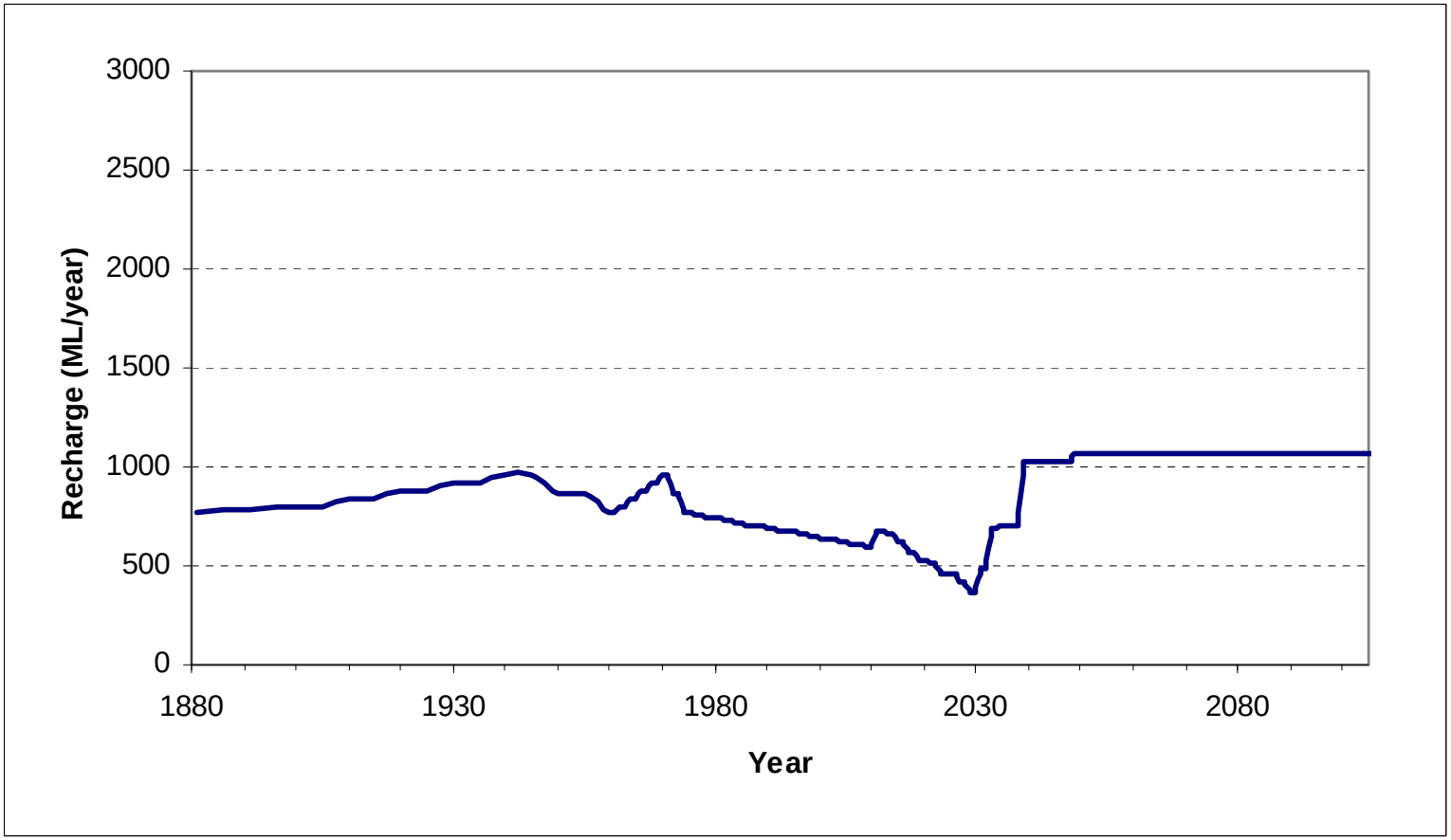
A-5(S3C). Total recharge volume applied in the Kingston Area (Scenario 3C)

				Pre 1988 Irrigation		Post 1988 Irrigation							Future Development	
Irrigation Start year				1880	1970	1995	1997	1999	2001	2003	2005	2005	2015	2015
Lag time (yrs)				25	40	25	40	30	30	30	25	50	15	15
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1880	1900	0	7300	0.1										
1900	1905	7300	9125	0.1										
1905	1910	9125	10950	25										
1910	1915	10950	12775	50										
1915	1920	12775	14600	75										
1920	1925	14600	16425	100										
1925	1930	16425	18250	125										
1930	1935	18250	20075	150										
1935	1940	20075	21900	200										
1940	1945	21900	23725	225										
1945	1950	23725	25550	250										
1950	1955	25550	27375	300										
1955	1960	27375	29200	350										
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1960	1961	0	365	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	420	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	440	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	460	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	480	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	450	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	395	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	390	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	385	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	380	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	375	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	370	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	365	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	360	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	355	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	350	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	345	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	340	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	335	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	330	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	325	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 4)

				Pre 1988 Irrigation		*Post 1988 Irrigation*							*Future Development*	
Irrigation Start year				***1880***	***1970***	***1995***	***1997***	***1999***	***2001***	***2003***	***2005***	***2005***	***2015***	***2015***
Lag time (yrs)				**15**	**10**	**45**	**20**	**20**	**30**	**30**	**30**	**30**	**25**	**20**
Start Date	**Stop Date**	**Start Time**	**Stop Time**	**Zone 9**	**Zone 10**	**Zone 11**	**Zone 12**	**Zone 13**	**Zone 14**	**Zone 15**	**Zone 16**	**Zone 17**	**Zone 38**	**Zone 41**
2005	**2006**	16425	16790	320	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	**2008**	16790	17520	315	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	**2010**	17520	18250	310	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	**2012**	18250	18980	305	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	**2014**	18980	19710	300	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	**2016**	19710	20440	275	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	**2018**	20440	21170	250	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	**2020**	21170	21900	225	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	**2022**	21900	22630	200	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	**2024**	22630	23360	175	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	**2026**	23360	24090	175	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	**2028**	24090	24820	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	**2030**	24820	25550	125	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	**2032**	25550	26280	100	100	100	0.1	100	0.1	0.1	100	0.1	0.1	0.1
2032	**2034**	26280	27010	100	100	100	0.1	100	100	0.1	100	0.1	0.1	0.1
2034	**2036**	27010	27740	100	100	100	0.1	100	100	100	100	0.1	0.1	0.1
2036	**2038**	27740	28470	100	100	100	0.1	100	100	100	100	0.1	0.1	0.1
2038	**2040**	28470	29200	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2040	**2042**	29200	29930	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2042	**2044**	29930	30660	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2044	**2046**	30660	31390	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2046	**2048**	31390	32120	100	100	100	100	100	100	100	100	0.1	0.1	0.1
2048	**2060**	32120	36500	100	100	100	100	100	100	100	100	100	0.1	0.1
2060	**2106**	36500	53290	100	100	100	100	100	100	100	100	100	0.1	0.1
2106	**2107**	53290	53291	100	100	100	100	100	100	100	100	100	0.1	0.1

A-5(S4). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 4)



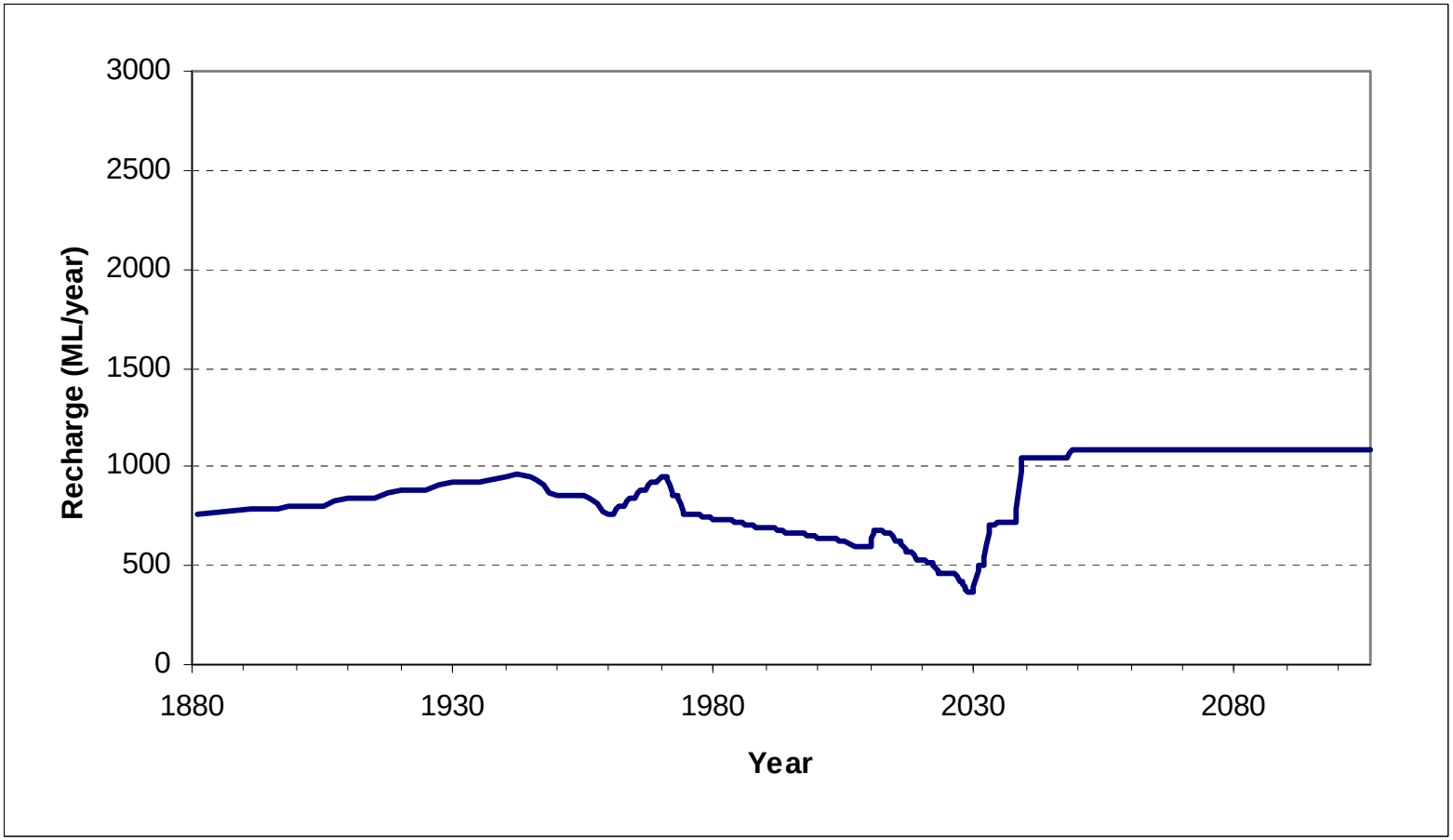
A-5(S4). Total recharge volume applied in the Kingston Area (Scenario 4)

				Pre 1988 Irrigation		Post 1988 Irrigation							Future Development	
Irrigation Start year				1880	1970	1995	1997	1999	2001	2003	2005	2005	2015	2015
Lag time (yrs)				25	40	25	40	30	30	30	25	50	15	15
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1880	1900	0	7300	0.1										
1900	1905	7300	9125	0.1										
1905	1910	9125	10950	25										
1910	1915	10950	12775	50										
1915	1920	12775	14600	75										
1920	1925	14600	16425	100										
1925	1930	16425	18250	125										
1930	1935	18250	20075	150										
1935	1940	20075	21900	200										
1940	1945	21900	23725	225										
1945	1950	23725	25550	250										
1950	1955	25550	27375	300										
1955	1960	27375	29200	350										
Start Date	Stop Date	Start Time	Stop Time	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 36	Zone 37	Zone 39	Zone 40
1960	1961	0	365	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1961	1963	365	1095	420	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1963	1965	1095	1825	440	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1965	1967	1825	2555	460	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1967	1969	2555	3285	480	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1969	1971	3285	4015	500	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1971	1973	4015	4745	450	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1973	1975	4745	5475	400	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1975	1977	5475	6205	395	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1977	1979	6205	6935	390	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1979	1981	6935	7665	385	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1981	1983	7665	8395	380	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1983	1985	8395	9125	375	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1985	1987	9125	9855	370	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1987	1989	9855	10585	365	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1989	1991	10585	11315	360	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1991	1993	11315	12045	355	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1993	1995	12045	12775	350	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1995	1997	12775	13505	345	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1997	1999	13505	14235	340	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1999	2001	14235	14965	335	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2001	2003	14965	15695	330	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2003	2005	15695	16425	325	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

A-5(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 5)

				Pre 1988 Irrigation		Post 1988 Irrigation							Future Development	
Irrigation Start year				1880	1970	1995	1997	1999	2001	2003	2005	2005	2015	2015
Lag time (yrs)				15	10	45	20	20	30	30	30	30	25	20
Start Date	Stop Date	Start Time	Stop Time	Zone 9	Zone 10	Zone 11	Zone 12	Zone 13	Zone 14	Zone 15	Zone 16	Zone 17	Zone 38	Zone 41
2005	2006	16425	16790	320	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2006	2008	16790	17520	315	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2008	2010	17520	18250	310	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2010	2012	18250	18980	305	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2012	2014	18980	19710	300	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2014	2016	19710	20440	275	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2016	2018	20440	21170	250	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2018	2020	21170	21900	225	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2020	2022	21900	22630	200	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2022	2024	22630	23360	175	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2024	2026	23360	24090	175	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2026	2028	24090	24820	150	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2028	2030	24820	25550	125	100	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2030	2032	25550	26280	100	100	100	0.1	100	0.1	0.1	100	0.1	100	100
2032	2034	26280	27010	100	100	100	0.1	100	100	0.1	100	0.1	100	100
2034	2036	27010	27740	100	100	100	0.1	100	100	100	100	0.1	100	100
2036	2038	27740	28470	100	100	100	0.1	100	100	100	100	0.1	100	100
2038	2040	28470	29200	100	100	100	100	100	100	100	100	0.1	100	100
2040	2042	29200	29930	100	100	100	100	100	100	100	100	0.1	100	100
2042	2044	29930	30660	100	100	100	100	100	100	100	100	0.1	100	100
2044	2046	30660	31390	100	100	100	100	100	100	100	100	0.1	100	100
2046	2048	31390	32120	100	100	100	100	100	100	100	100	0.1	100	100
2048	2060	32120	36500	100	100	100	100	100	100	100	100	100	100	100
2060	2106	36500	53290	100	100	100	100	100	100	100	100	100	100	100
2106	2107	53290	53291	100	100	100	100	100	100	100	100	100	100	100

A-5(S5). Model recharge zones, irrigation start time, lag time and recharge rates (mm/yr) in the Kingston Area (Scenario 5)



A-5(S5). Total recharge volume applied in the Kingston Area (Scenario 5)

B. MODEL OUTPUTS (MODEL RESULTS – FLUX AND SALT LOAD)

B-1. SUMMARY OF FLUX AND SALT LOADS (ALL SCENARIOS)

Model Output - Pyap, New Residence, Moorook and Kingston Areas

- Modelled total salt load (t/d) entering the River Murray (all scenarios)
- Modelled total flux (m^3/d) entering the River Murray (all scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1900	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1905	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1910	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1915	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1920	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1925	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1930	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1940	2.3	2.3	2.4	2.4	2.4	2.4	2.4
1945	2.3	2.3	2.5	2.5	2.5	2.5	2.5
1950	2.3	2.4	2.7	2.7	2.7	2.7	2.7
1955	2.3	2.4	3.1	3.1	3.1	3.1	3.1
1960	2.3	2.4	4.2	4.2	4.2	4.2	4.2
1961	2.3	2.4	4.5	4.5	4.5	4.5	4.5
1962	2.3	2.4	4.5	4.5	4.5	4.5	4.5
1963	2.3	2.4	4.5	4.5	4.5	4.5	4.5
1964	2.3	2.4	4.5	4.5	4.5	4.5	4.5
1965	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1966	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1967	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1968	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1969	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1970	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1971	2.3	2.4	4.6	4.6	4.6	4.6	4.6
1972	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1973	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1974	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1975	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1976	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1977	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1978	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1979	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1980	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1981	2.3	2.5	4.7	4.7	4.7	4.7	4.7
1982	2.3	2.5	5.0	5.0	5.0	5.0	5.0
1983	2.3	2.5	5.0	5.0	5.0	5.0	5.0
1984	2.3	2.5	5.3	5.3	5.3	5.3	5.3
1985	2.3	2.5	5.5	5.5	5.5	5.5	5.5
1986	2.3	2.6	6.0	6.0	6.0	6.0	6.0
1987	2.3	2.6	6.2	6.2	6.2	6.2	6.2
1988	**2.3**	**2.6**	**7.1**	**7.1**	**7.1**	**7.1**	**7.1**
1989	2.3	2.6	7.5	7.5	7.5	7.5	7.5
1990	2.3	2.6	7.8	7.8	7.8	7.8	7.8
1991	2.3	2.6	8.1	8.1	8.1	8.1	8.1
1992	2.3	2.6	8.3	8.3	8.3	8.3	8.3
1993	2.3	2.6	8.5	8.5	8.5	8.5	8.5
1994	2.3	2.6	8.7	8.7	8.7	8.7	8.7
1995	2.3	2.6	8.9	8.9	8.9	8.9	8.9
1996	2.3	2.7	9.0	9.0	9.0	9.0	9.0
1997	2.3	2.7	9.2	9.2	9.2	9.2	9.2
1998	2.3	2.7	9.3	9.3	9.3	9.3	9.3
1999	2.3	2.7	9.5	9.5	9.5	9.5	9.5
2000	**2.3**	**2.7**	**9.6**	**9.6**	**9.6**	**9.6**	**9.6**

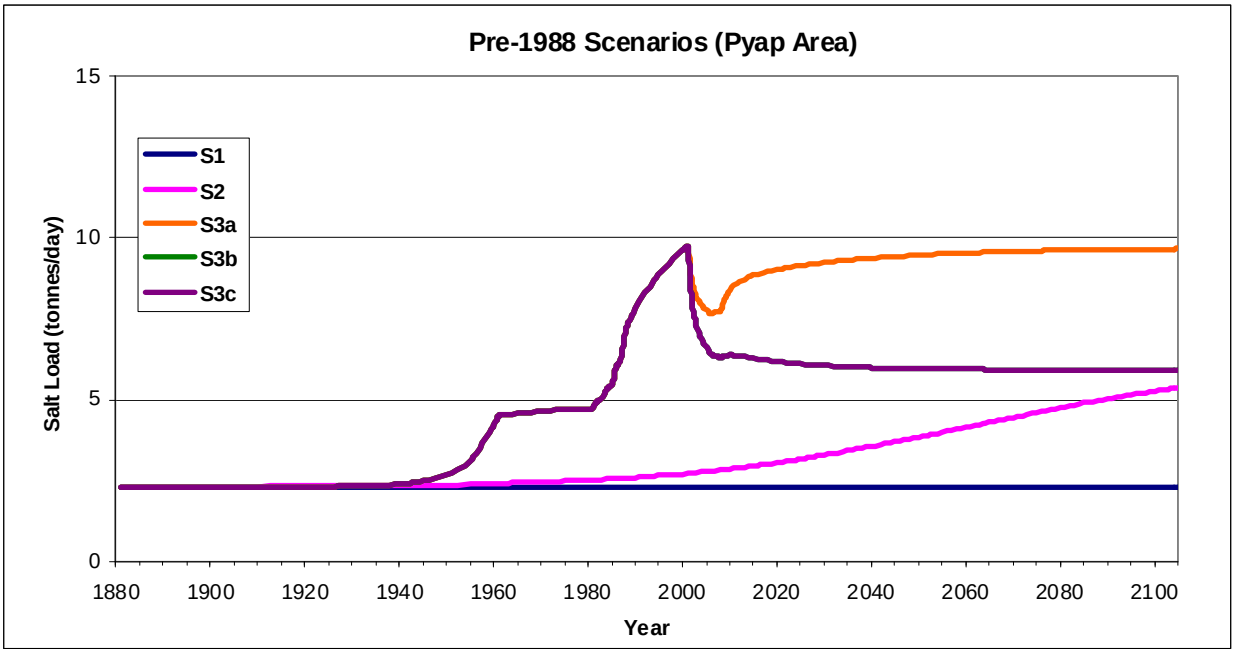
B-1-a. Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (All scenarios)

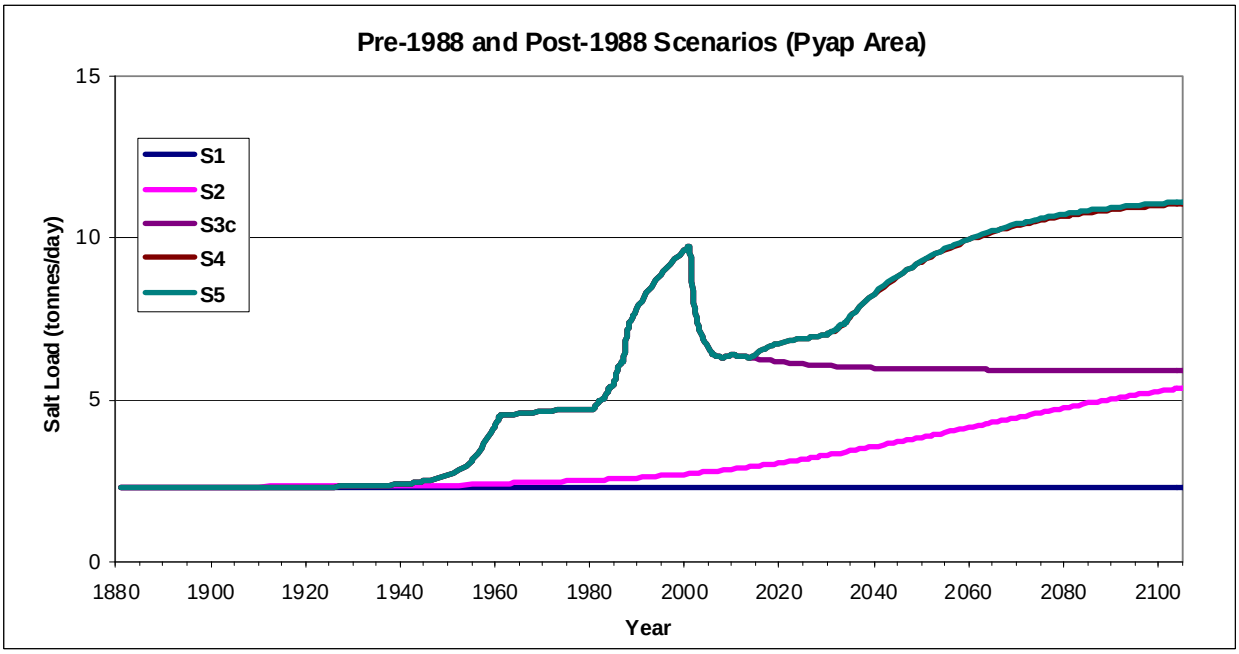
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	2.3	2.7	9.7	9.7	9.7	9.7	9.7
2002	2.3	2.7	8.6	8.0	8.0	8.0	8.0
2003	2.3	2.7	8.2	7.3	7.3	7.3	7.3
2004	2.3	2.8	7.9	6.9	6.9	6.9	6.9
2005	2.3	2.8	7.8	6.6	6.6	6.6	6.6
2006	**2.3**	**2.8**	**7.6**	**6.4**	**6.4**	**6.4**	**6.4**
2007	2.3	2.8	7.7	6.4	6.4	6.4	6.4
2008	2.3	2.8	7.7	6.3	6.3	6.3	6.3
2009	2.3	2.8	8.1	6.4	6.4	6.4	6.4
2010	2.3	2.9	8.4	6.4	6.4	6.4	6.4
2011	2.3	2.9	8.5	6.4	6.4	6.4	6.4
2012	2.3	2.9	8.6	6.3	6.3	6.3	6.3
2013	2.3	2.9	8.7	6.3	6.3	6.3	6.3
2014	2.3	2.9	8.8	6.3	6.3	6.3	6.3
2015	2.3	2.9	8.8	6.3	6.3	6.4	6.4
2016	2.3	3.0	8.9	6.3	6.3	6.5	6.5
2017	2.3	3.0	8.9	6.2	6.2	6.6	6.6
2018	2.3	3.0	9.0	6.2	6.2	6.6	6.6
2019	2.3	3.0	9.0	6.2	6.2	6.7	6.7
2020	2.3	3.0	9.0	6.2	6.2	6.7	6.7
2021	2.3	3.1	9.0	6.2	6.2	6.8	6.8
2022	2.3	3.1	9.1	6.1	6.1	6.8	6.8
2023	2.3	3.1	9.1	6.1	6.1	6.8	6.8
2024	2.3	3.1	9.1	6.1	6.1	6.9	6.9
2025	2.3	3.2	9.1	6.1	6.1	6.9	6.9
2026	2.3	3.2	9.2	6.1	6.1	6.9	6.9
2027	2.3	3.2	9.2	6.1	6.1	6.9	6.9
2028	2.3	3.2	9.2	6.1	6.1	7.0	7.0
2029	2.3	3.3	9.2	6.1	6.1	7.0	7.0
2030	2.3	3.3	9.2	6.0	6.0	7.0	7.0
2031	2.3	3.3	9.2	6.0	6.0	7.1	7.1
2032	2.3	3.3	9.3	6.0	6.0	7.1	7.2
2033	2.3	3.4	9.3	6.0	6.0	7.3	7.3
2034	2.3	3.4	9.3	6.0	6.0	7.4	7.4
2035	2.3	3.4	9.3	6.0	6.0	7.6	7.6
2036	2.3	3.4	9.3	6.0	6.0	7.7	7.7
2037	2.3	3.5	9.3	6.0	6.0	7.9	7.9
2038	2.3	3.5	9.3	6.0	6.0	8.0	8.0
2039	2.3	3.5	9.3	6.0	6.0	8.1	8.2
2040	2.3	3.5	9.4	6.0	6.0	8.3	8.3
2041	2.3	3.6	9.4	6.0	6.0	8.4	8.4
2042	2.3	3.6	9.4	6.0	6.0	8.5	8.5
2043	2.3	3.6	9.4	6.0	6.0	8.6	8.6
2044	2.3	3.7	9.4	6.0	6.0	8.7	8.7
2045	2.3	3.7	9.4	6.0	6.0	8.8	8.8
2046	2.3	3.7	9.4	6.0	6.0	8.9	8.9
2047	2.3	3.7	9.4	6.0	6.0	9.0	9.0
2048	2.3	3.8	9.4	6.0	6.0	9.1	9.1
2049	2.3	3.8	9.4	5.9	5.9	9.2	9.2
2050	**2.3**	**3.8**	**9.5**	**5.9**	**5.9**	**9.3**	**9.3**
2051	2.3	3.9	9.5	5.9	5.9	9.3	9.4
2052	2.3	3.9	9.5	5.9	5.9	9.4	9.4
2053	2.3	3.9	9.5	5.9	5.9	9.5	9.5

B-1-a. Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	2.3	4.0	9.5	5.9	5.9	9.6	9.6
2055	2.3	4.0	9.5	5.9	5.9	9.6	9.7
2056	2.3	4.0	9.5	5.9	5.9	9.7	9.7
2057	2.3	4.0	9.5	5.9	5.9	9.8	9.8
2058	2.3	4.1	9.5	5.9	5.9	9.8	9.8
2059	2.3	4.1	9.5	5.9	5.9	9.9	9.9
2060	2.3	4.1	9.5	5.9	5.9	9.9	10.0
2061	2.3	4.2	9.5	5.9	5.9	10.0	10.0
2062	2.3	4.2	9.5	5.9	5.9	10.0	10.1
2063	2.3	4.2	9.5	5.9	5.9	10.1	10.1
2064	2.3	4.3	9.5	5.9	5.9	10.1	10.2
2065	2.3	4.3	9.5	5.9	5.9	10.2	10.2
2066	2.3	4.3	9.6	5.9	5.9	10.2	10.3
2067	2.3	4.4	9.6	5.9	5.9	10.3	10.3
2068	2.3	4.4	9.6	5.9	5.9	10.3	10.3
2069	2.3	4.4	9.6	5.9	5.9	10.3	10.4
2070	2.3	4.4	9.6	5.9	5.9	10.4	10.4
2071	2.3	4.5	9.6	5.9	5.9	10.4	10.5
2072	2.3	4.5	9.6	5.9	5.9	10.4	10.5
2073	2.3	4.5	9.6	5.9	5.9	10.5	10.5
2074	2.3	4.6	9.6	5.9	5.9	10.5	10.6
2075	2.3	4.6	9.6	5.9	5.9	10.5	10.6
2076	2.3	4.6	9.6	5.9	5.9	10.6	10.6
2077	2.3	4.7	9.6	5.9	5.9	10.6	10.6
2078	2.3	4.7	9.6	5.9	5.9	10.6	10.7
2079	2.3	4.7	9.6	5.9	5.9	10.6	10.7
2080	2.3	4.7	9.6	5.9	5.9	10.7	10.7
2081	2.3	4.8	9.6	5.9	5.9	10.7	10.7
2082	2.3	4.8	9.6	5.9	5.9	10.7	10.8
2083	2.3	4.8	9.6	5.9	5.9	10.7	10.8
2084	2.3	4.9	9.6	5.9	5.9	10.8	10.8
2085	2.3	4.9	9.6	5.9	5.9	10.8	10.8
2086	2.3	4.9	9.6	5.9	5.9	10.8	10.9
2087	2.3	4.9	9.6	5.9	5.9	10.8	10.9
2088	2.3	5.0	9.6	5.9	5.9	10.8	10.9
2089	2.3	5.0	9.6	5.9	5.9	10.8	10.9
2090	2.3	5.0	9.6	5.9	5.9	10.9	10.9
2091	2.3	5.0	9.6	5.9	5.9	10.9	10.9
2092	2.3	5.1	9.6	5.9	5.9	10.9	11.0
2093	2.3	5.1	9.6	5.9	5.9	10.9	11.0
2094	2.3	5.1	9.6	5.9	5.9	10.9	11.0
2095	2.3	5.1	9.6	5.9	5.9	10.9	11.0
2096	2.3	5.2	9.6	5.9	5.9	11.0	11.0
2097	2.3	5.2	9.6	5.9	5.9	11.0	11.0
2098	2.3	5.2	9.6	5.9	5.9	11.0	11.0
2099	2.3	5.2	9.6	5.9	5.9	11.0	11.1
2100	2.3	5.3	9.6	5.9	5.9	11.0	11.1
2101	2.3	5.3	9.6	5.9	5.9	11.0	11.1
2102	2.3	5.3	9.6	5.9	5.9	11.0	11.1
2103	2.3	5.3	9.6	5.9	5.9	11.0	11.1
2104	2.3	5.3	9.7	5.9	5.9	11.0	11.1
2105	2.3	5.4	9.7	5.9	5.9	11.1	11.1
2106	**2.3**	**5.4**	**9.7**	**5.9**	**5.9**	**11.1**	**11.1**

B-1-a. Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (All scenarios)





B-1-a. Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1900	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1905	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1910	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1915	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1920	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1925	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1930	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1940	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1945	0.3	0.4	0.3	0.3	0.3	0.3	0.3
1950	0.3	0.4	0.3	0.3	0.3	0.3	0.3
1955	0.3	0.4	0.3	0.3	0.3	0.3	0.3
1960	0.3	0.4	0.3	0.3	0.3	0.3	0.3
1961	0.3	0.5	0.3	0.3	0.3	0.3	0.3
1962	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1963	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1964	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1965	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1966	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1967	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1968	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1969	0.3	0.5	0.4	0.4	0.4	0.4	0.4
1970	0.3	0.5	0.5	0.5	0.5	0.5	0.5
1971	0.3	0.5	0.5	0.5	0.5	0.5	0.5
1972	0.3	0.5	0.5	0.5	0.5	0.5	0.5
1973	0.3	0.6	0.5	0.5	0.5	0.5	0.5
1974	0.3	0.6	0.5	0.5	0.5	0.5	0.5
1975	0.3	0.6	0.5	0.5	0.5	0.5	0.5
1976	0.3	0.6	0.5	0.5	0.5	0.5	0.5
1977	0.3	0.6	0.5	0.5	0.5	0.5	0.5
1978	0.3	0.6	0.5	0.5	0.5	0.5	0.5
1979	0.3	0.6	0.6	0.6	0.6	0.6	0.6
1980	0.3	0.6	1.3	1.3	1.3	1.3	1.3
1981	0.3	0.6	1.9	1.9	1.9	1.9	1.9
1982	0.3	0.6	3.8	3.8	3.8	3.8	3.8
1983	0.3	0.7	5.3	5.3	5.3	5.3	5.3
1984	0.3	0.7	6.4	6.4	6.4	6.4	6.4
1985	0.3	0.7	7.4	7.4	7.4	7.4	7.4
1986	0.3	0.7	8.3	8.3	8.3	8.3	8.3
1987	0.3	0.7	9.3	9.3	9.3	9.3	9.3
1988	**0.3**	**0.7**	**9.9**	**9.9**	**9.9**	**9.9**	**9.9**
1989	0.3	0.8	10.5	10.5	10.5	10.5	10.5
1990	0.3	0.8	10.9	10.9	10.9	10.9	10.9
1991	0.3	0.8	11.2	11.2	11.2	11.2	11.2
1992	0.3	0.8	11.4	11.4	11.4	11.4	11.4
1993	0.3	0.8	11.6	11.6	11.6	11.6	11.6
1994	0.3	0.8	11.5	11.5	11.5	11.5	11.5
1995	0.3	0.9	11.4	11.4	11.4	11.4	11.4
1996	0.3	0.9	11.2	11.2	11.2	11.2	11.2
1997	0.3	0.9	11.1	11.1	11.1	11.1	11.1
1998	0.3	0.9	10.9	10.9	10.9	10.9	10.9
1999	0.3	0.9	10.9	10.8	10.8	10.8	10.8
2000	**0.3**	**0.9**	**10.8**	**10.7**	**10.7**	**10.7**	**10.7**

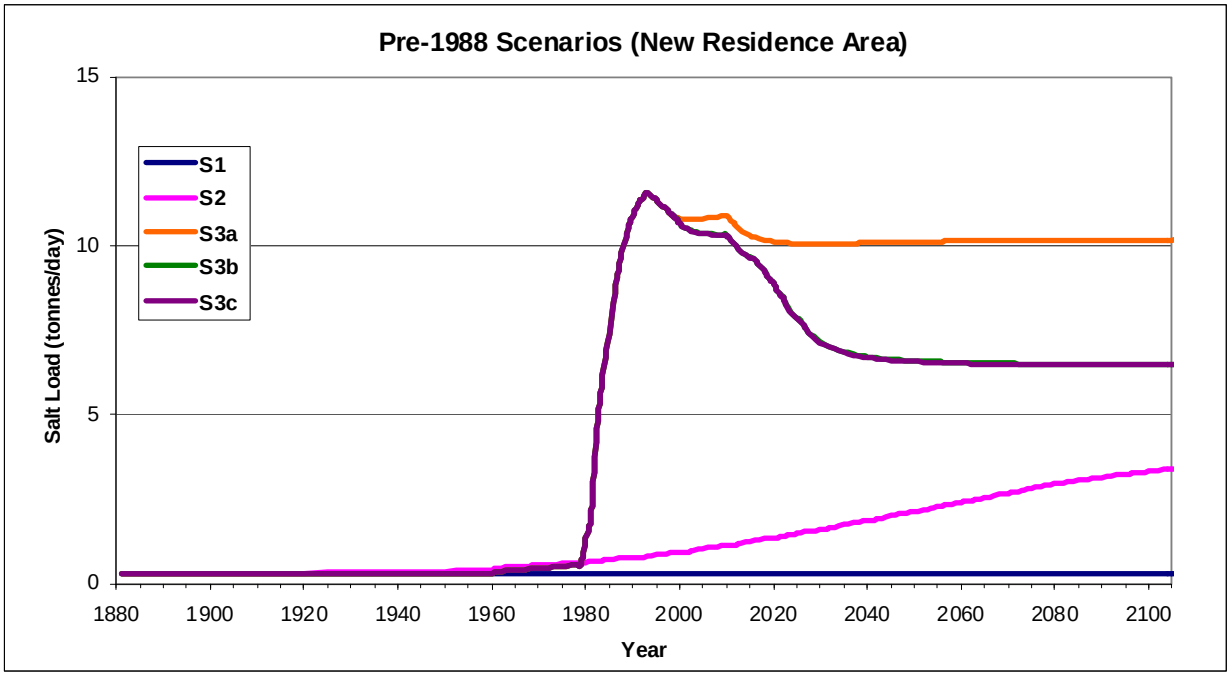
B-1-b. Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (All scenarios)

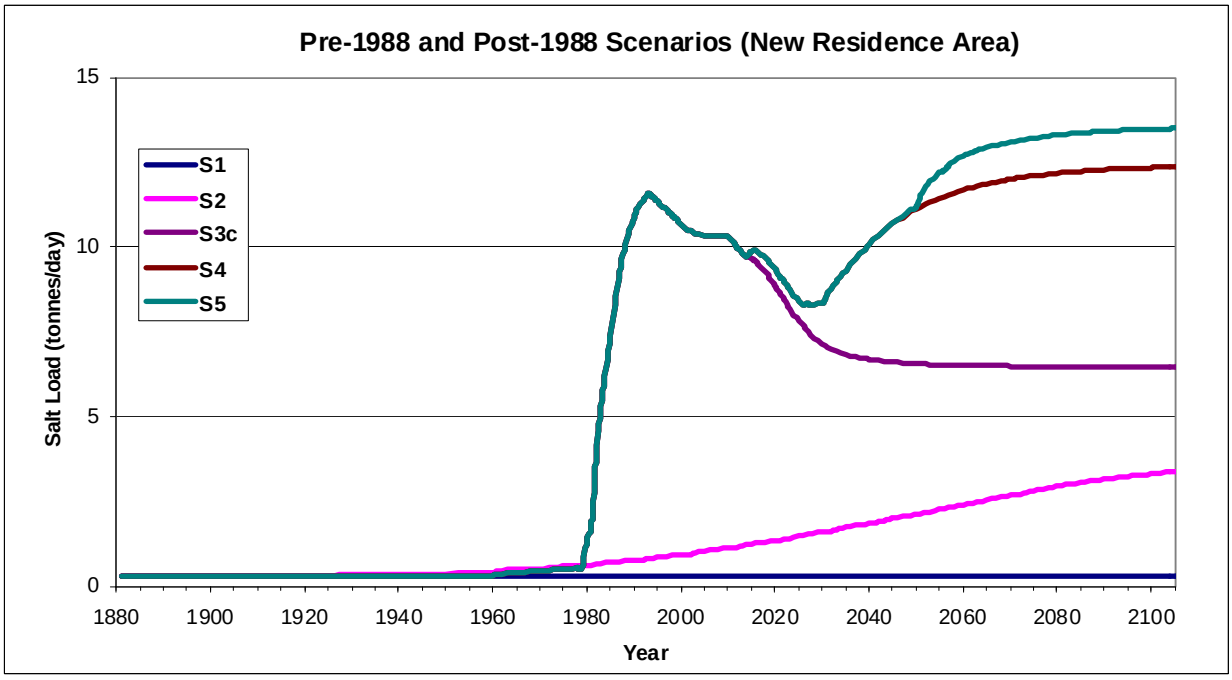
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	0.3	0.9	10.8	10.5	10.5	10.5	10.5
2002	0.3	0.9	10.8	10.5	10.5	10.5	10.5
2003	0.3	1.0	10.8	10.4	10.4	10.4	10.4
2004	0.3	1.0	10.8	10.4	10.4	10.4	10.4
2005	0.3	1.0	10.8	10.4	10.4	10.4	10.4
2006	**0.3**	**1.1**	**10.8**	**10.3**	**10.3**	**10.3**	**10.3**
2007	0.3	1.1	10.8	10.3	10.3	10.3	10.3
2008	0.3	1.1	10.8	10.3	10.3	10.3	10.3
2009	0.3	1.1	10.9	10.3	10.3	10.3	10.3
2010	0.3	1.1	10.9	10.3	10.3	10.3	10.3
2011	0.3	1.1	10.7	10.2	10.2	10.2	10.2
2012	0.3	1.2	10.6	10.0	10.0	10.0	10.0
2013	0.3	1.2	10.4	9.8	9.8	9.8	9.8
2014	0.3	1.2	10.4	9.7	9.7	9.7	9.7
2015	0.3	1.3	10.3	9.7	9.6	9.9	9.9
2016	0.3	1.3	10.2	9.6	9.6	9.9	9.9
2017	0.3	1.3	10.2	9.4	9.4	9.8	9.8
2018	0.3	1.3	10.2	9.3	9.3	9.7	9.7
2019	0.3	1.3	10.1	9.1	9.0	9.5	9.5
2020	0.3	1.4	10.1	8.9	8.9	9.4	9.4
2021	0.3	1.4	10.1	8.7	8.6	9.1	9.1
2022	0.3	1.4	10.1	8.5	8.5	9.0	9.0
2023	0.3	1.4	10.1	8.2	8.2	8.7	8.7
2024	0.3	1.5	10.1	8.0	8.0	8.6	8.6
2025	0.3	1.5	10.1	7.9	7.8	8.4	8.4
2026	0.3	1.5	10.1	7.7	7.7	8.3	8.3
2027	0.3	1.5	10.1	7.5	7.5	8.3	8.3
2028	0.3	1.6	10.1	7.4	7.3	8.3	8.3
2029	0.3	1.6	10.1	7.2	7.2	8.3	8.3
2030	0.3	1.6	10.1	7.2	7.1	8.4	8.4
2031	0.3	1.6	10.1	7.1	7.1	8.6	8.6
2032	0.3	1.6	10.1	7.0	7.0	8.8	8.8
2033	0.3	1.7	10.1	7.0	6.9	9.0	9.0
2034	0.3	1.7	10.1	6.9	6.9	9.1	9.1
2035	0.3	1.7	10.1	6.9	6.8	9.3	9.3
2036	0.3	1.8	10.1	6.8	6.8	9.5	9.5
2037	0.3	1.8	10.1	6.8	6.8	9.6	9.6
2038	0.3	1.8	10.1	6.8	6.7	9.8	9.8
2039	0.3	1.8	10.1	6.7	6.7	9.9	9.9
2040	0.3	1.9	10.1	6.7	6.7	10.1	10.1
2041	0.3	1.9	10.1	6.7	6.7	10.2	10.2
2042	0.3	1.9	10.1	6.7	6.7	10.3	10.3
2043	0.3	1.9	10.1	6.7	6.6	10.5	10.5
2044	0.3	2.0	10.1	6.6	6.6	10.6	10.6
2045	0.3	2.0	10.1	6.6	6.6	10.7	10.7
2046	0.3	2.0	10.1	6.6	6.6	10.8	10.8
2047	0.3	2.1	10.1	6.6	6.6	10.9	10.9
2048	0.3	2.1	10.1	6.6	6.6	11.0	11.0
2049	0.3	2.1	10.1	6.6	6.6	11.0	11.1
2050	**0.3**	**2.1**	**10.1**	**6.6**	**6.6**	**11.1**	**11.2**
2051	0.3	2.1	10.1	6.6	6.6	11.2	11.5
2052	0.3	2.2	10.1	6.6	6.5	11.3	11.8
2053	0.3	2.2	10.1	6.6	6.5	11.3	11.9

B-1-b. Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	0.3	2.2	10.1	6.6	6.5	11.4	12.1
2055	0.3	2.3	10.1	6.6	6.5	11.4	12.2
2056	0.3	2.3	10.1	6.6	6.5	11.5	12.3
2057	0.3	2.3	10.1	6.5	6.5	11.5	12.4
2058	0.3	2.4	10.1	6.5	6.5	11.6	12.5
2059	0.3	2.4	10.1	6.5	6.5	11.6	12.6
2060	0.3	2.4	10.1	6.5	6.5	11.7	12.7
2061	0.3	2.4	10.1	6.5	6.5	11.7	12.7
2062	0.3	2.4	10.1	6.5	6.5	11.8	12.8
2063	0.3	2.5	10.1	6.5	6.5	11.8	12.8
2064	0.3	2.5	10.1	6.5	6.5	11.8	12.9
2065	0.3	2.5	10.1	6.5	6.5	11.9	12.9
2066	0.3	2.6	10.1	6.5	6.5	11.9	13.0
2067	0.3	2.6	10.1	6.5	6.5	11.9	13.0
2068	0.3	2.6	10.1	6.5	6.5	12.0	13.0
2069	0.3	2.7	10.1	6.5	6.5	12.0	13.1
2070	0.3	2.7	10.2	6.5	6.5	12.0	13.1
2071	0.3	2.7	10.2	6.5	6.5	12.0	13.1
2072	0.3	2.7	10.2	6.5	6.5	12.0	13.1
2073	0.3	2.8	10.2	6.5	6.5	12.1	13.2
2074	0.3	2.8	10.2	6.5	6.5	12.1	13.2
2075	0.3	2.8	10.2	6.5	6.5	12.1	13.2
2076	0.3	2.8	10.2	6.5	6.5	12.1	13.2
2077	0.3	2.9	10.2	6.5	6.5	12.1	13.3
2078	0.3	2.9	10.2	6.5	6.5	12.2	13.3
2079	0.3	2.9	10.2	6.5	6.5	12.2	13.3
2080	0.3	2.9	10.2	6.5	6.5	12.2	13.3
2081	0.3	3.0	10.2	6.5	6.5	12.2	13.3
2082	0.3	3.0	10.2	6.5	6.5	12.2	13.3
2083	0.3	3.0	10.2	6.5	6.5	12.2	13.3
2084	0.3	3.0	10.2	6.5	6.5	12.2	13.4
2085	0.3	3.1	10.2	6.5	6.5	12.2	13.4
2086	0.3	3.1	10.2	6.5	6.5	12.2	13.4
2087	0.3	3.1	10.2	6.5	6.5	12.3	13.4
2088	0.3	3.1	10.2	6.5	6.5	12.3	13.4
2089	0.3	3.1	10.2	6.5	6.5	12.3	13.4
2090	0.3	3.2	10.2	6.5	6.5	12.3	13.4
2091	0.3	3.2	10.2	6.5	6.5	12.3	13.4
2092	0.3	3.2	10.2	6.5	6.5	12.3	13.4
2093	0.3	3.2	10.2	6.5	6.5	12.3	13.4
2094	0.3	3.2	10.2	6.5	6.5	12.3	13.4
2095	0.3	3.2	10.2	6.5	6.5	12.3	13.5
2096	0.3	3.3	10.2	6.5	6.5	12.3	13.5
2097	0.3	3.3	10.2	6.5	6.5	12.3	13.5
2098	0.3	3.3	10.2	6.5	6.5	12.3	13.5
2099	0.3	3.3	10.2	6.5	6.5	12.3	13.5
2100	0.3	3.3	10.2	6.5	6.5	12.3	13.5
2101	0.3	3.3	10.2	6.5	6.5	12.3	13.5
2102	0.3	3.4	10.2	6.5	6.5	12.4	13.5
2103	0.3	3.4	10.2	6.5	6.5	12.4	13.5
2104	0.3	3.4	10.2	6.5	6.5	12.4	13.5
2105	0.3	3.4	10.2	6.5	6.5	12.4	13.5
2106	**0.3**	**3.4**	**10.2**	**6.5**	**6.5**	**12.4**	**13.5**

B-1-b. Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (All scenarios)





B-1-b. Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1900	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1905	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1910	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1915	0.8	0.8	0.9	0.9	0.9	0.9	0.9
1920	0.8	0.8	1.0	1.0	1.0	1.0	1.0
1925	0.8	0.8	1.1	1.1	1.1	1.1	1.1
1930	0.8	0.8	1.2	1.2	1.2	1.2	1.2
1940	0.8	0.8	1.3	1.3	1.3	1.3	1.3
1945	0.8	0.8	1.6	1.6	1.6	1.6	1.6
1950	0.8	0.8	1.8	1.8	1.8	1.8	1.8
1955	0.8	0.8	2.1	2.1	2.1	2.1	2.1
1960	0.8	0.8	2.7	2.7	2.7	2.7	2.7
1961	0.8	0.9	4.6	4.6	4.6	4.6	4.6
1962	0.8	0.9	5.3	5.3	5.3	5.3	5.3
1963	0.8	0.9	5.8	5.8	5.8	5.8	5.8
1964	0.8	0.9	6.3	6.3	6.3	6.3	6.3
1965	0.8	0.9	6.6	6.6	6.6	6.6	6.6
1966	0.8	0.9	7.2	7.2	7.2	7.2	7.2
1967	0.8	0.9	7.7	7.7	7.7	7.7	7.7
1968	0.8	0.9	8.1	8.1	8.1	8.1	8.1
1969	0.8	0.9	8.4	8.4	8.4	8.4	8.4
1970	0.8	0.9	9.0	9.0	9.0	9.0	9.0
1971	0.8	0.9	9.4	9.4	9.4	9.4	9.4
1972	0.8	0.9	9.9	9.9	9.9	9.9	9.9
1973	0.8	0.9	10.2	10.2	10.2	10.2	10.2
1974	0.8	0.9	10.6	10.6	10.6	10.6	10.6
1975	0.8	0.9	10.8	10.8	10.8	10.8	10.8
1976	0.8	1.0	11.2	11.2	11.2	11.2	11.2
1977	0.8	1.0	11.4	11.4	11.4	11.4	11.4
1978	0.8	1.0	11.7	11.7	11.7	11.7	11.7
1979	0.8	1.0	12.0	12.0	12.0	12.0	12.0
1980	0.8	1.0	12.1	12.1	12.1	12.1	12.1
1981	0.8	1.0	12.3	12.3	12.3	12.3	12.3
1982	0.8	1.0	12.5	12.5	12.5	12.5	12.5
1983	0.8	1.0	12.6	12.6	12.6	12.6	12.6
1984	0.8	1.0	12.9	12.9	12.9	12.9	12.9
1985	0.8	1.0	13.1	13.1	13.1	13.1	13.1
1986	0.8	1.0	13.4	13.4	13.4	13.4	13.4
1987	0.8	1.0	13.6	13.6	13.6	13.6	13.6
1988	**0.8**	**1.0**	**13.8**	**13.8**	**13.8**	**13.8**	**13.8**
1989	0.8	1.0	13.9	13.9	13.9	13.9	13.9
1990	0.8	1.0	14.0	14.0	14.0	14.0	14.0
1991	0.8	1.0	14.0	14.0	14.0	14.0	14.0
1992	0.8	1.0	14.1	14.1	14.1	14.1	14.1
1993	0.8	1.1	14.1	14.1	14.1	14.1	14.1
1994	0.8	1.1	13.7	13.7	13.7	13.7	13.7
1995	0.8	1.1	13.5	13.5	13.5	13.5	13.5
1996	0.8	1.1	13.0	13.0	13.0	13.0	13.0
1997	0.8	1.1	12.6	12.6	12.6	12.6	12.6
1998	0.8	1.1	12.2	12.1	12.1	12.1	12.1
1999	0.8	1.1	12.0	11.8	11.8	11.8	11.8
2000	**0.8**	**1.1**	**11.7**	**11.3**	**11.3**	**11.3**	**11.3**

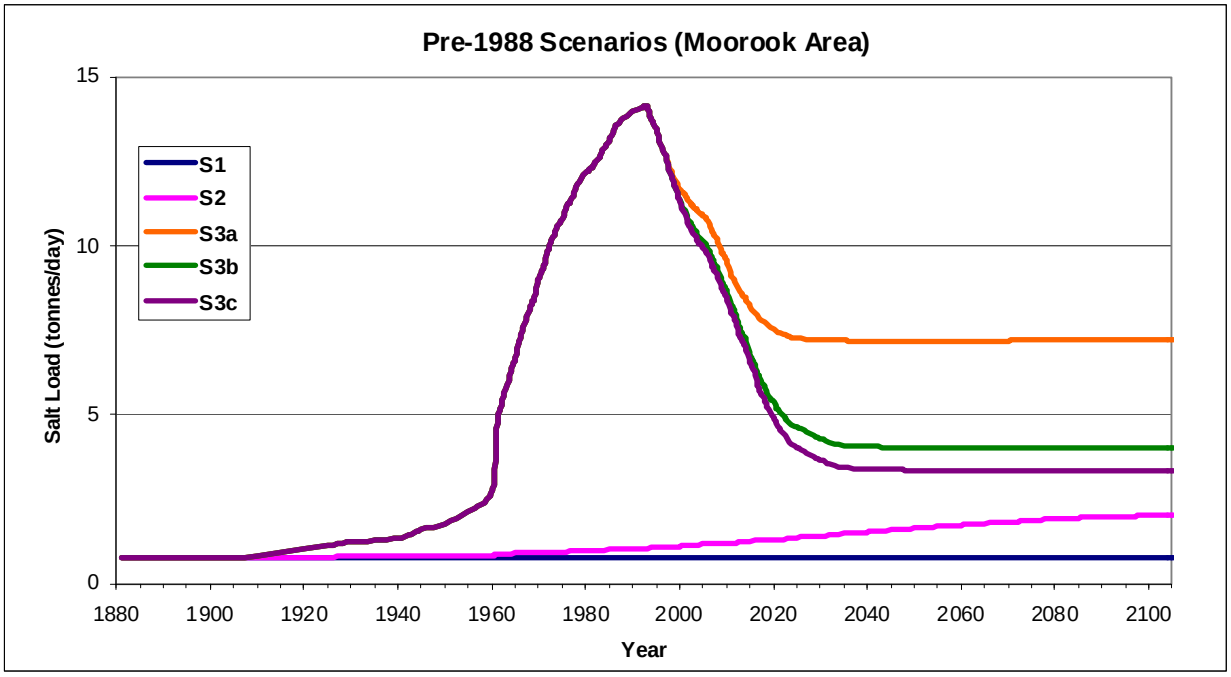
B-1-c. Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (All scenarios)

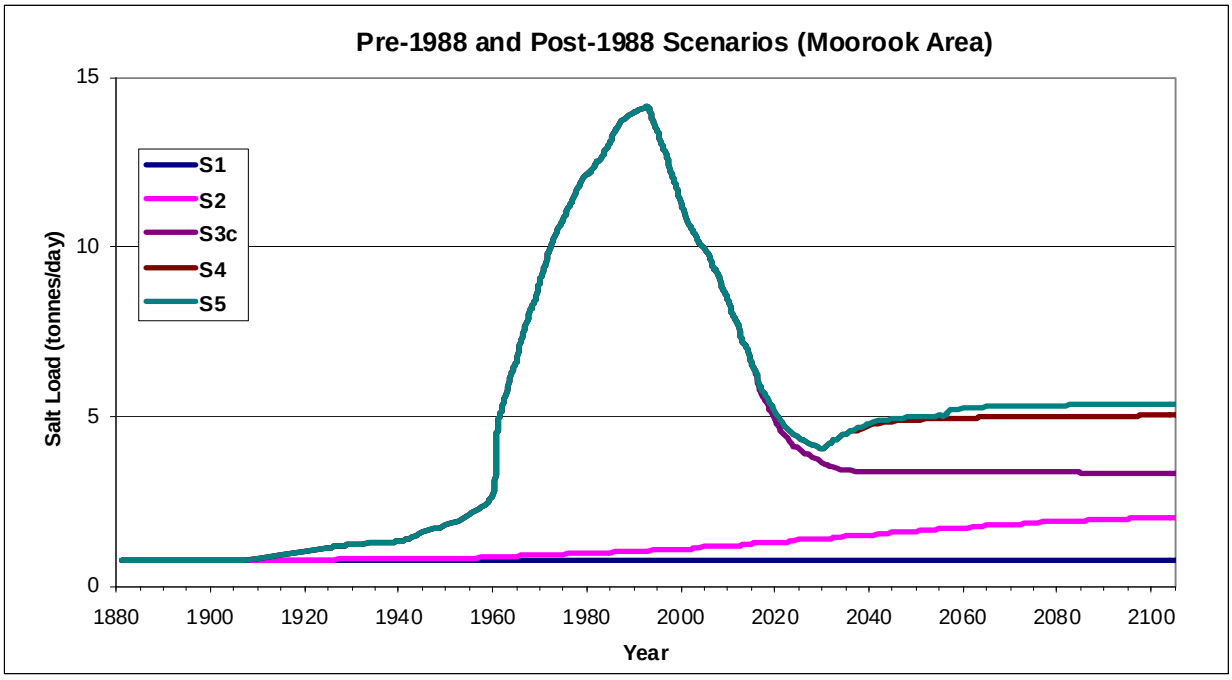
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	0.8	1.1	11.5	11.0	10.9	10.9	10.9
2002	0.8	1.1	11.3	10.7	10.6	10.6	10.6
2003	0.8	1.1	11.2	10.5	10.4	10.4	10.4
2004	0.8	1.2	11.0	10.3	10.1	10.1	10.1
2005	0.8	1.2	10.9	10.1	10.0	10.0	10.0
2006	**0.8**	**1.2**	**10.7**	**9.9**	**9.7**	**9.7**	**9.7**
2007	0.8	1.2	10.4	9.6	9.4	9.4	9.4
2008	0.8	1.2	10.2	9.4	9.2	9.2	9.2
2009	0.8	1.2	9.8	8.9	8.7	8.7	8.7
2010	0.8	1.2	9.6	8.7	8.5	8.5	8.5
2011	0.8	1.2	9.1	8.2	8.0	8.0	8.0
2012	0.8	1.2	8.9	8.0	7.8	7.8	7.8
2013	0.8	1.2	8.6	7.5	7.3	7.3	7.3
2014	0.8	1.2	8.4	7.3	7.0	7.0	7.0
2015	0.8	1.3	8.2	6.8	6.5	6.6	6.6
2016	0.8	1.3	8.0	6.5	6.3	6.3	6.3
2017	0.8	1.3	7.9	6.1	5.8	5.9	5.9
2018	0.8	1.3	7.7	5.9	5.5	5.6	5.6
2019	0.8	1.3	7.6	5.6	5.2	5.4	5.4
2020	0.8	1.3	7.5	5.4	4.9	5.2	5.2
2021	0.8	1.3	7.4	5.1	4.7	4.9	4.9
2022	0.8	1.3	7.4	5.0	4.5	4.7	4.7
2023	0.8	1.3	7.3	4.8	4.3	4.6	4.6
2024	0.8	1.4	7.3	4.7	4.1	4.5	4.5
2025	0.8	1.4	7.3	4.6	4.0	4.4	4.4
2026	0.8	1.4	7.2	4.6	4.0	4.3	4.3
2027	0.8	1.4	7.2	4.5	3.9	4.2	4.2
2028	0.8	1.4	7.2	4.4	3.8	4.2	4.2
2029	0.8	1.4	7.2	4.4	3.7	4.1	4.1
2030	0.8	1.4	7.2	4.3	3.7	4.1	4.1
2031	0.8	1.4	7.2	4.2	3.6	4.1	4.2
2032	0.8	1.4	7.2	4.2	3.5	4.2	4.2
2033	0.8	1.4	7.2	4.1	3.5	4.3	4.3
2034	0.8	1.5	7.2	4.1	3.5	4.4	4.4
2035	0.8	1.5	7.2	4.1	3.4	4.5	4.5
2036	0.8	1.5	7.2	4.1	3.4	4.6	4.6
2037	0.8	1.5	7.2	4.1	3.4	4.6	4.6
2038	0.8	1.5	7.2	4.1	3.4	4.6	4.7
2039	0.8	1.5	7.2	4.1	3.4	4.7	4.8
2040	0.8	1.5	7.2	4.0	3.4	4.7	4.8
2041	0.8	1.5	7.2	4.0	3.4	4.8	4.8
2042	0.8	1.5	7.2	4.0	3.4	4.8	4.9
2043	0.8	1.6	7.2	4.0	3.4	4.8	4.9
2044	0.8	1.6	7.2	4.0	3.4	4.8	4.9
2045	0.8	1.6	7.2	4.0	3.4	4.9	4.9
2046	0.8	1.6	7.2	4.0	3.4	4.9	5.0
2047	0.8	1.6	7.2	4.0	3.4	4.9	5.0
2048	0.8	1.6	7.2	4.0	3.4	4.9	5.0
2049	0.8	1.6	7.2	4.0	3.4	4.9	5.0
2050	**0.8**	**1.6**	**7.2**	**4.0**	**3.4**	**4.9**	**5.0**
2051	0.8	1.6	7.2	4.0	3.4	4.9	5.0
2052	0.8	1.6	7.2	4.0	3.4	4.9	5.0
2053	0.8	1.7	7.2	4.0	3.4	4.9	5.0

B-1-c. Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	0.8	1.7	7.2	4.0	3.4	4.9	5.0
2055	0.8	1.7	7.2	4.0	3.4	4.9	5.0
2056	0.8	1.7	7.2	4.0	3.4	4.9	5.0
2057	0.8	1.7	7.2	4.0	3.4	5.0	5.2
2058	0.8	1.7	7.2	4.0	3.4	5.0	5.2
2059	0.8	1.7	7.2	4.0	3.4	5.0	5.2
2060	0.8	1.7	7.2	4.0	3.4	5.0	5.2
2061	0.8	1.7	7.2	4.0	3.4	5.0	5.3
2062	0.8	1.7	7.2	4.0	3.4	5.0	5.3
2063	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2064	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2065	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2066	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2067	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2068	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2069	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2070	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2071	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2072	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2073	0.8	1.8	7.2	4.0	3.4	5.0	5.3
2074	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2075	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2076	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2077	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2078	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2079	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2080	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2081	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2082	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2083	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2084	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2085	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2086	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2087	0.8	1.9	7.2	4.0	3.4	5.0	5.3
2088	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2089	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2090	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2091	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2092	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2093	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2094	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2095	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2096	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2097	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2098	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2099	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2100	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2101	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2102	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2103	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2104	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2105	0.8	2.0	7.2	4.0	3.4	5.0	5.4
2106	**0.8**	**2.0**	**7.2**	**4.0**	**3.4**	**5.0**	**5.4**

B-1-c. Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (All scenarios)





B-1-c. Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1900	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1905	0.3	0.3	0.3	0.3	0.3	0.3	0.3
1910	0.3	0.3	0.7	0.7	0.7	0.7	0.7
1915	0.3	0.3	1.2	1.2	1.2	1.2	1.2
1920	0.3	0.4	1.6	1.6	1.6	1.6	1.6
1925	0.3	0.4	2.1	2.1	2.1	2.1	2.1
1930	0.3	0.4	2.6	2.6	2.6	2.6	2.6
1940	0.3	0.4	3.0	3.0	3.0	3.0	3.0
1945	0.3	0.4	3.9	3.9	3.9	3.9	3.9
1950	0.3	0.4	4.5	4.5	4.5	4.5	4.5
1955	0.3	0.4	5.0	5.0	5.0	5.0	5.0
1960	0.3	0.4	5.9	5.9	5.9	5.9	5.9
1961	0.3	0.4	7.6	7.6	7.6	7.6	7.6
1962	0.3	0.4	8.1	8.1	8.1	8.1	8.1
1963	0.3	0.4	8.3	8.3	8.3	8.3	8.3
1964	0.3	0.4	8.7	8.7	8.7	8.7	8.7
1965	0.3	0.4	8.9	8.9	8.9	8.9	8.9
1966	0.3	0.4	9.9	9.9	9.9	9.9	9.9
1967	0.3	0.4	10.4	10.4	10.4	10.4	10.4
1968	0.3	0.4	10.8	10.8	10.8	10.8	10.8
1969	0.3	0.4	11.0	11.0	11.0	11.0	11.0
1970	0.3	0.4	11.4	11.4	11.4	11.4	11.4
1971	0.3	0.4	11.5	11.5	11.5	11.5	11.5
1972	0.3	0.4	11.1	11.1	11.1	11.1	11.1
1973	0.3	0.4	10.9	10.9	10.9	10.9	10.9
1974	0.3	0.4	10.3	10.3	10.3	10.3	10.3
1975	0.3	0.4	10.1	10.1	10.1	10.1	10.1
1976	0.3	0.4	10.0	10.0	10.0	10.0	10.0
1977	0.3	0.4	9.9	9.9	9.9	9.9	9.9
1978	0.3	0.4	9.9	9.9	9.9	9.9	9.9
1979	0.3	0.4	9.9	9.9	9.9	9.9	9.9
1980	0.3	0.4	9.8	9.8	9.8	9.8	9.8
1981	0.3	0.4	9.8	9.8	9.8	9.8	9.8
1982	0.3	0.4	9.7	9.7	9.7	9.7	9.7
1983	0.3	0.5	9.7	9.7	9.7	9.7	9.7
1984	0.3	0.5	9.6	9.6	9.6	9.6	9.6
1985	0.3	0.5	9.6	9.6	9.6	9.6	9.6
1986	0.3	0.5	9.6	9.6	9.6	9.6	9.6
1987	0.3	0.5	9.6	9.6	9.6	9.6	9.6
1988	**0.3**	**0.5**	**9.5**	**9.5**	**9.5**	**9.5**	**9.5**
1989	0.3	0.5	9.5	9.5	9.5	9.5	9.5
1990	0.3	0.5	9.4	9.4	9.4	9.4	9.4
1991	0.3	0.5	9.4	9.4	9.4	9.4	9.4
1992	0.3	0.5	9.4	9.4	9.4	9.4	9.4
1993	0.3	0.5	9.3	9.3	9.3	9.3	9.3
1994	0.3	0.5	9.2	9.2	9.2	9.2	9.2
1995	0.3	0.5	9.2	9.2	9.2	9.2	9.2
1996	0.3	0.5	9.0	9.0	9.0	9.0	9.0
1997	0.3	0.5	8.9	8.9	8.9	8.9	8.9
1998	0.3	0.5	8.7	8.7	8.7	8.7	8.7
1999	0.3	0.5	8.7	8.6	8.6	8.6	8.6
2000	**0.3**	**0.5**	**8.5**	**8.4**	**8.4**	**8.4**	**8.4**

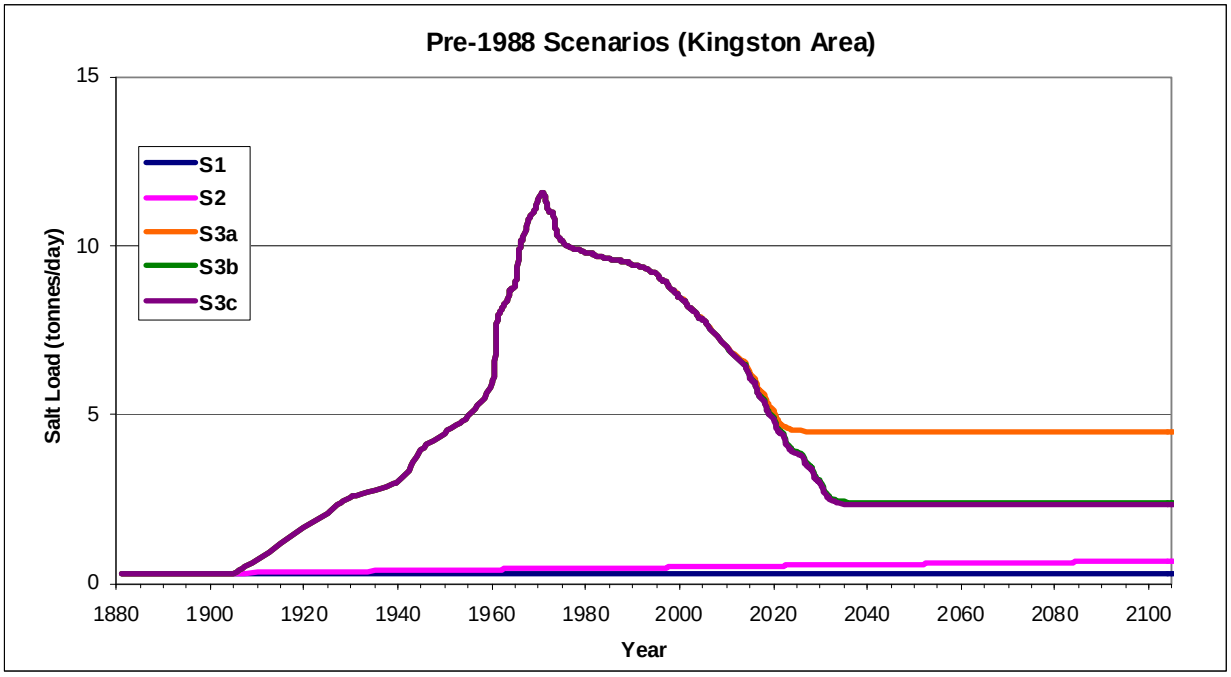
B-1-d. Modelled salt load (tonnes/day) entering the River Murray in the Kingston area (All scenarios)

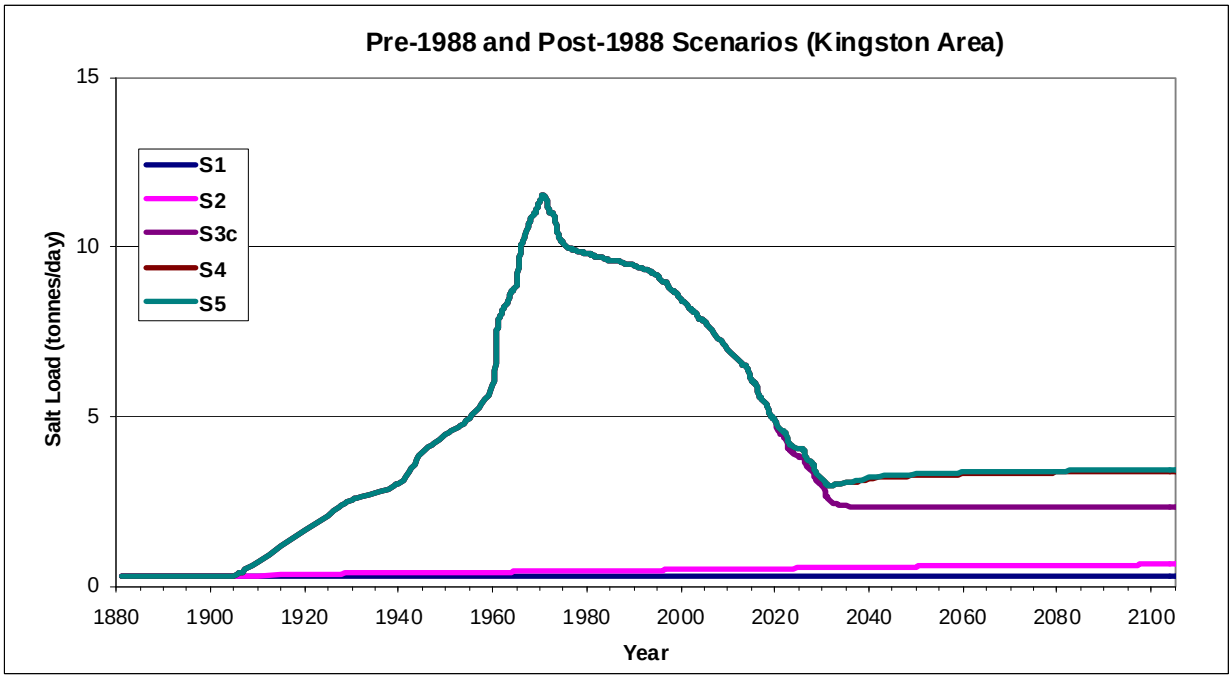
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	0.3	0.5	8.4	8.4	8.4	8.4	8.4
2002	0.3	0.5	8.2	8.2	8.2	8.2	8.2
2003	0.3	0.5	8.1	8.1	8.1	8.1	8.1
2004	0.3	0.5	7.9	7.9	7.9	7.9	7.9
2005	0.3	0.5	7.8	7.8	7.8	7.8	7.8
2006	**0.3**	**0.5**	**7.6**	**7.6**	**7.6**	**7.6**	**7.6**
2007	0.3	0.5	7.5	7.5	7.5	7.5	7.5
2008	0.3	0.5	7.3	7.3	7.3	7.3	7.3
2009	0.3	0.5	7.2	7.2	7.2	7.2	7.2
2010	0.3	0.5	7.0	7.0	7.0	7.0	7.0
2011	0.3	0.5	6.9	6.8	6.8	6.8	6.8
2012	0.3	0.5	6.7	6.7	6.7	6.7	6.7
2013	0.3	0.5	6.6	6.6	6.6	6.6	6.6
2014	0.3	0.5	6.5	6.5	6.4	6.4	6.4
2015	0.3	0.5	6.2	6.1	6.1	6.1	6.1
2016	0.3	0.5	6.1	5.9	5.9	5.9	5.9
2017	0.3	0.5	5.7	5.6	5.6	5.6	5.6
2018	0.3	0.5	5.6	5.4	5.4	5.4	5.4
2019	0.3	0.5	5.3	5.1	5.0	5.0	5.0
2020	0.3	0.5	5.1	4.9	4.9	4.9	4.9
2021	0.3	0.5	4.8	4.6	4.5	4.6	4.6
2022	0.3	0.5	4.7	4.4	4.4	4.6	4.6
2023	0.3	0.5	4.6	4.1	4.0	4.2	4.2
2024	0.3	0.5	4.6	4.0	3.9	4.1	4.1
2025	0.3	0.5	4.5	3.9	3.8	4.0	4.0
2026	0.3	0.5	4.5	3.8	3.8	4.0	4.0
2027	0.3	0.5	4.5	3.6	3.5	3.7	3.7
2028	0.3	0.5	4.5	3.5	3.4	3.6	3.6
2029	0.3	0.5	4.5	3.1	3.1	3.3	3.3
2030	0.3	0.5	4.5	3.0	3.0	3.2	3.2
2031	0.3	0.5	4.5	2.7	2.6	3.0	3.0
2032	0.3	0.5	4.5	2.6	2.5	3.0	3.0
2033	0.3	0.5	4.5	2.5	2.4	3.0	3.0
2034	0.3	0.6	4.5	2.4	2.4	3.0	3.0
2035	0.3	0.6	4.5	2.4	2.4	3.0	3.0
2036	0.3	0.6	4.5	2.4	2.3	3.1	3.1
2037	0.3	0.6	4.5	2.4	2.3	3.1	3.1
2038	0.3	0.6	4.5	2.4	2.3	3.1	3.1
2039	0.3	0.6	4.5	2.4	2.3	3.1	3.2
2040	0.3	0.6	4.5	2.4	2.3	3.2	3.2
2041	0.3	0.6	4.5	2.4	2.3	3.2	3.2
2042	0.3	0.6	4.5	2.4	2.3	3.2	3.2
2043	0.3	0.6	4.5	2.4	2.3	3.2	3.3
2044	0.3	0.6	4.5	2.4	2.3	3.2	3.3
2045	0.3	0.6	4.5	2.4	2.3	3.2	3.3
2046	0.3	0.6	4.5	2.4	2.3	3.2	3.3
2047	0.3	0.6	4.5	2.4	2.3	3.2	3.3
2048	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2049	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2050	**0.3**	**0.6**	**4.5**	**2.4**	**2.3**	**3.3**	**3.3**
2051	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2052	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2053	0.3	0.6	4.5	2.4	2.3	3.3	3.3

B-1-d. Modelled salt load (tonnes/day) entering the River Murray in the Kingston area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2055	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2056	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2057	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2058	0.3	0.6	4.5	2.4	2.3	3.3	3.3
2059	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2060	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2061	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2062	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2063	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2064	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2065	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2066	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2067	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2068	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2069	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2070	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2071	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2072	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2073	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2074	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2075	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2076	0.3	0.6	4.5	2.4	2.3	3.3	3.4
2077	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2078	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2079	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2080	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2081	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2082	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2083	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2084	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2085	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2086	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2087	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2088	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2089	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2090	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2091	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2092	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2093	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2094	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2095	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2096	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2097	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2098	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2099	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2100	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2101	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2102	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2103	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2104	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2105	0.3	0.6	4.5	2.4	2.3	3.4	3.4
2106	**0.3**	**0.6**	**4.5**	**2.4**	**2.3**	**3.4**	**3.4**

B-1-d. Modelled salt load (tonnes/day) entering the River Murray in the Kingston area (All scenarios)





B-1-d. Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	293	293	295	295	295	295	295
1900	293	294	295	295	295	295	295
1905	293	294	295	295	295	295	295
1910	293	295	295	295	295	295	295
1915	293	295	295	295	295	295	295
1920	293	296	295	295	295	295	295
1925	293	296	295	295	295	295	295
1930	293	297	299	299	299	299	299
1935	293	297	306	306	306	306	306
1940	293	298	321	321	321	321	321
1945	293	299	345	345	345	345	345
1950	293	301	402	402	402	402	402
1955	293	302	501	501	501	501	501
1960	293	305	531	531	531	531	531
1961	293	306	535	535	535	535	535
1962	293	307	534	534	534	534	534
1963	293	308	535	535	535	535	535
1964	293	309	537	537	537	537	537
1965	293	309	539	539	539	539	539
1966	293	310	541	541	541	541	541
1967	293	310	543	543	543	543	543
1968	293	311	544	544	544	544	544
1969	293	311	546	546	546	546	546
1970	293	312	547	547	547	547	547
1971	293	312	549	549	549	549	549
1972	293	314	550	550	550	550	550
1973	293	315	551	551	551	551	551
1974	293	315	552	552	552	552	552
1975	293	316	554	554	554	554	554
1976	293	317	555	555	555	555	555
1977	293	318	556	556	556	556	556
1978	293	318	557	557	557	557	557
1979	293	319	557	557	557	557	557
1980	293	320	558	558	558	558	558
1981	293	321	559	559	559	559	559
1982	293	322	602	602	602	602	602
1983	293	324	617	617	617	617	617
1984	293	325	670	670	670	670	670
1985	293	326	692	692	692	692	692
1986	293	327	795	795	795	795	795
1987	293	328	837	837	837	837	837
1988	**293**	**330**	**1002**	**1002**	**1002**	**1002**	**1002**
1989	293	331	1073	1073	1073	1073	1073
1990	293	332	1125	1125	1125	1125	1125
1991	293	333	1170	1170	1170	1170	1170
1992	293	335	1211	1211	1211	1211	1211
1993	293	337	1248	1248	1248	1248	1248
1994	293	339	1282	1282	1282	1282	1282
1995	293	340	1314	1314	1314	1314	1314
1996	293	342	1344	1344	1344	1344	1344
1997	293	344	1372	1372	1372	1372	1372
1998	293	345	1398	1398	1398	1398	1398
1999	293	347	1422	1423	1423	1423	1423
2000	**293**	**348**	**1446**	**1446**	**1446**	**1446**	**1446**

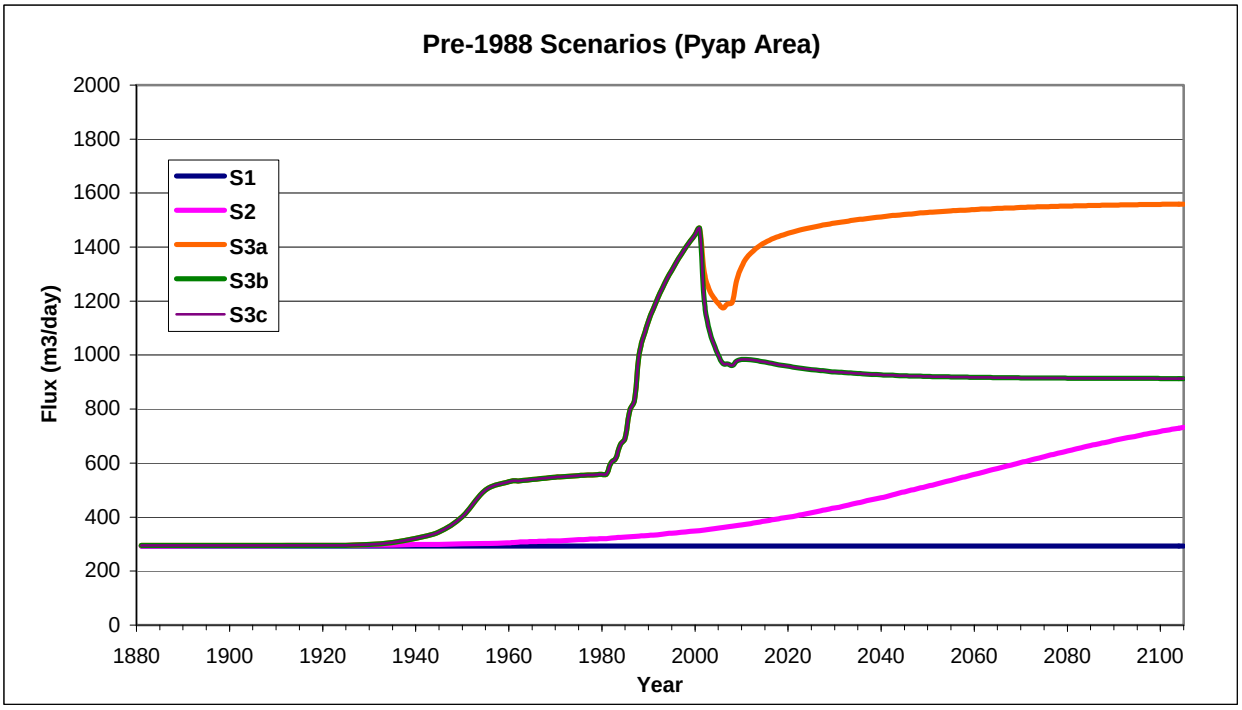
B-1-e. Modelled groundwater flux (m^3/day) entering the River Murray in the Pyap area (All scenarios)

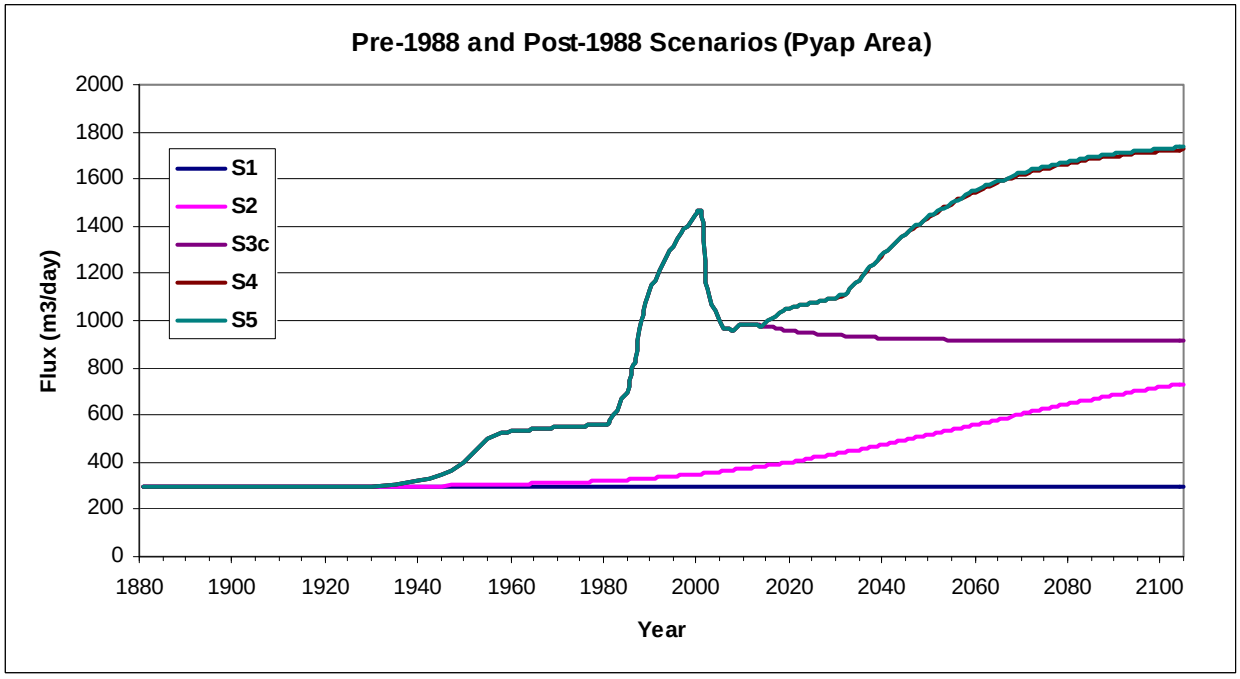
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	293	350	1468	1468	1468	1468	1468
2002	293	353	1304	1196	1196	1196	1196
2003	293	355	1245	1099	1099	1099	1099
2004	293	357	1213	1042	1042	1042	1042
2005	293	360	1191	1001	1001	1001	1001
2006	**293**	**362**	**1175**	**969**	**969**	**969**	**969**
2007	293	364	1189	968	968	968	968
2008	293	366	1196	961	961	961	961
2009	293	369	1278	978	978	978	978
2010	293	371	1326	984	984	984	984
2011	293	373	1357	984	984	984	984
2012	293	376	1378	983	983	983	983
2013	293	379	1394	980	980	980	980
2014	293	382	1406	977	977	977	977
2015	293	385	1417	974	974	991	991
2016	293	388	1425	971	971	1007	1007
2017	293	391	1433	968	968	1021	1021
2018	293	394	1440	964	964	1033	1033
2019	293	397	1446	961	961	1042	1042
2020	293	399	1451	959	959	1050	1050
2021	293	402	1456	956	956	1056	1056
2022	293	406	1461	953	953	1062	1062
2023	293	409	1465	951	951	1066	1066
2024	293	413	1469	949	949	1071	1071
2025	293	417	1473	947	947	1074	1074
2026	293	420	1476	945	945	1078	1078
2027	293	423	1480	943	943	1082	1083
2028	293	427	1483	941	941	1086	1087
2029	293	430	1486	939	939	1089	1091
2030	293	433	1489	938	938	1093	1095
2031	293	437	1491	936	936	1105	1106
2032	293	441	1494	935	935	1112	1114
2033	293	445	1497	934	934	1135	1136
2034	293	449	1499	933	933	1149	1150
2035	293	453	1502	932	932	1171	1172
2036	293	457	1504	930	930	1193	1195
2037	293	461	1506	929	929	1215	1217
2038	293	465	1508	929	929	1236	1237
2039	293	468	1510	928	928	1255	1257
2040	293	472	1512	927	927	1275	1276
2041	293	476	1514	926	926	1293	1295
2042	293	480	1516	925	925	1311	1313
2043	293	485	1518	925	925	1329	1330
2044	293	489	1519	924	924	1345	1347
2045	293	493	1521	923	923	1362	1364
2046	293	498	1522	923	923	1377	1379
2047	293	502	1524	922	922	1393	1395
2048	293	506	1525	922	922	1407	1409
2049	293	510	1527	921	921	1421	1424
2050	**293**	**514**	**1528**	**921**	**921**	**1435**	**1437**
2051	293	518	1529	921	921	1448	1450
2052	293	523	1531	920	920	1460	1463
2053	293	527	1532	920	920	1473	1475

B-1-e. Modelled groundwater flux (m^3/day) entering the River Murray in the Pyap area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	293	532	1533	919	919	1484	1487
2055	293	536	1534	919	919	1495	1499
2056	293	541	1535	919	919	1506	1509
2057	293	545	1536	918	918	1516	1520
2058	293	549	1537	918	918	1526	1530
2059	293	554	1538	918	918	1536	1540
2060	293	558	1539	918	918	1545	1549
2061	293	562	1540	917	917	1554	1558
2062	293	567	1541	917	917	1562	1566
2063	293	571	1541	917	917	1570	1575
2064	293	576	1542	917	917	1578	1582
2065	293	580	1543	917	917	1585	1590
2066	293	585	1544	916	916	1592	1597
2067	293	589	1545	916	916	1599	1604
2068	293	593	1545	916	916	1605	1611
2069	293	598	1546	916	916	1611	1617
2070	293	602	1547	916	916	1617	1623
2071	293	606	1547	916	916	1623	1629
2072	293	610	1548	916	916	1628	1635
2073	293	615	1548	915	915	1634	1640
2074	293	619	1549	915	915	1639	1646
2075	293	624	1549	915	915	1644	1651
2076	293	628	1550	915	915	1648	1655
2077	293	632	1550	915	915	1653	1660
2078	293	636	1551	915	915	1657	1665
2079	293	641	1551	915	915	1661	1669
2080	293	645	1552	915	915	1665	1673
2081	293	649	1552	915	915	1669	1677
2082	293	653	1553	914	914	1672	1680
2083	293	657	1553	914	914	1676	1684
2084	293	661	1554	914	914	1679	1687
2085	293	665	1554	914	914	1682	1691
2086	293	669	1554	914	914	1685	1694
2087	293	672	1555	914	914	1688	1697
2088	293	676	1555	914	914	1691	1700
2089	293	680	1555	914	914	1694	1703
2090	293	684	1556	914	914	1696	1705
2091	293	687	1556	914	914	1699	1708
2092	293	691	1556	914	914	1701	1710
2093	293	694	1557	914	914	1704	1713
2094	293	698	1557	914	914	1706	1715
2095	293	701	1557	914	914	1708	1717
2096	293	704	1557	914	914	1710	1719
2097	293	708	1558	914	914	1712	1722
2098	293	711	1558	913	913	1714	1724
2099	293	714	1558	913	913	1716	1725
2100	293	717	1558	913	913	1718	1727
2101	293	720	1559	913	913	1719	1729
2102	293	723	1559	913	913	1721	1731
2103	293	726	1559	913	913	1723	1732
2104	293	730	1559	913	913	1724	1734
2105	293	732	1559	913	913	1725	1735
2106	**293**	**735**	**1560**	**913**	**913**	**1727**	**1737**

B-1-e. Modelled groundwater flux (m^3/day) entering the River Murray in the Pyap area (All scenarios)





B-1-e. Graph of modelled groundwater flux (m^3/day) entering the River Murray in the Pyap area

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	35	35	35	35	35	35	35
1900	35	35	35	35	35	35	35
1905	35	36	35	35	35	35	35
1910	35	37	35	35	35	35	35
1915	35	37	35	35	35	35	35
1920	35	39	35	35	35	35	35
1925	35	39	35	35	35	35	35
1930	35	42	35	35	35	35	35
1935	35	42	36	36	36	36	36
1940	35	45	36	36	36	36	36
1945	35	45	36	36	36	36	36
1950	35	49	37	37	37	37	37
1955	35	50	38	38	38	38	38
1960	35	55	40	40	40	40	40
1961	35	56	41	41	41	41	41
1962	35	58	42	42	42	42	42
1963	35	60	43	43	43	43	43
1964	35	60	43	43	43	43	43
1965	35	61	44	44	44	44	44
1966	35	62	45	45	45	45	45
1967	35	62	46	46	46	46	46
1968	35	63	46	46	46	46	46
1969	35	63	47	47	47	47	47
1970	35	63	48	48	48	48	48
1971	35	64	49	49	49	49	49
1972	35	66	49	49	49	49	49
1973	35	68	50	50	50	50	50
1974	35	69	51	51	51	51	51
1975	35	70	52	52	52	52	52
1976	35	71	53	53	53	53	53
1977	35	72	53	53	53	53	53
1978	35	73	54	54	54	54	54
1979	35	73	55	55	55	55	55
1980	35	74	142	142	142	142	142
1981	35	74	201	201	201	201	201
1982	35	77	407	407	407	407	407
1983	35	80	570	570	570	570	570
1984	35	81	684	684	684	684	684
1985	35	83	781	781	781	781	781
1986	35	84	869	869	869	869	869
1987	35	85	960	960	960	960	960
1988	**35**	**86**	**1022**	**1022**	**1022**	**1022**	**1022**
1989	35	87	1077	1077	1077	1077	1077
1990	35	88	1110	1110	1110	1110	1110
1991	35	89	1144	1144	1144	1144	1144
1992	35	92	1159	1159	1159	1159	1159
1993	35	95	1179	1179	1179	1179	1179
1994	35	97	1168	1168	1168	1168	1168
1995	35	99	1161	1161	1161	1161	1161
1996	35	100	1143	1143	1143	1143	1143
1997	35	102	1136	1136	1136	1136	1136
1998	35	103	1117	1117	1117	1117	1117
1999	35	104	1107	1107	1107	1107	1107
2000	**35**	**105**	**1102**	**1086**	**1086**	**1086**	**1086**

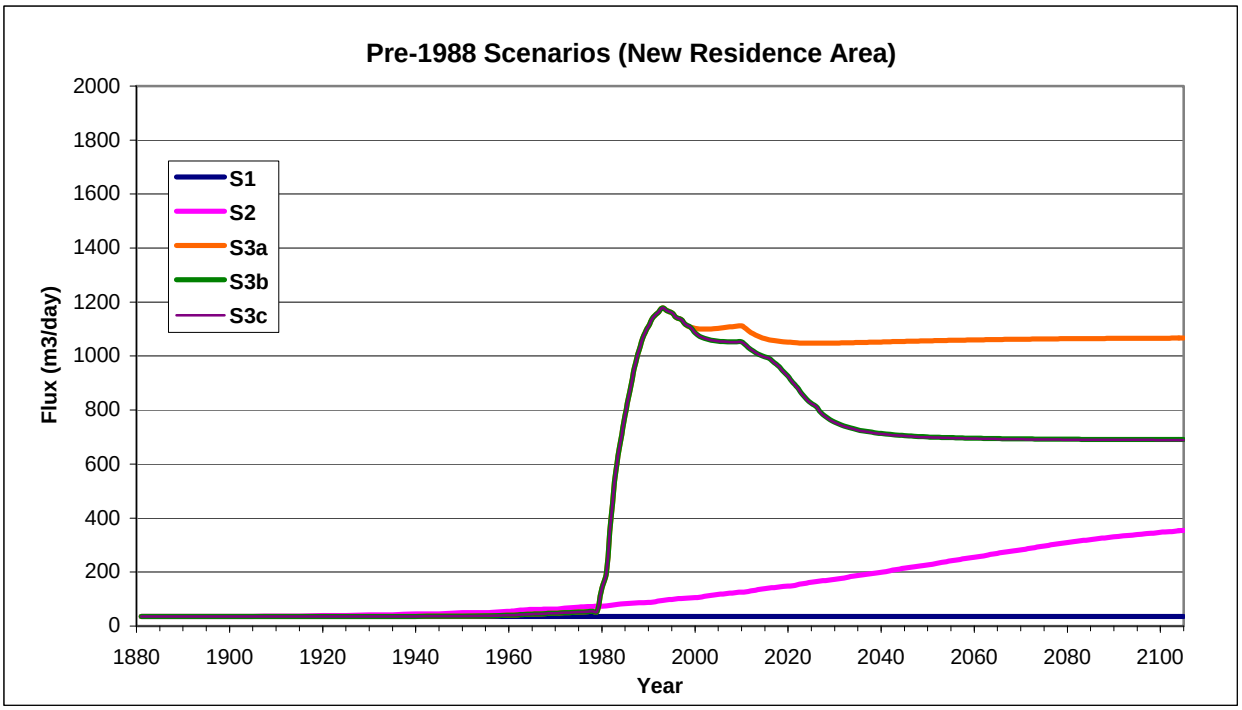
B-1-f. Modelled groundwater flux (m^3/day) entering the River Murray in the New Residence area (All scenarios)

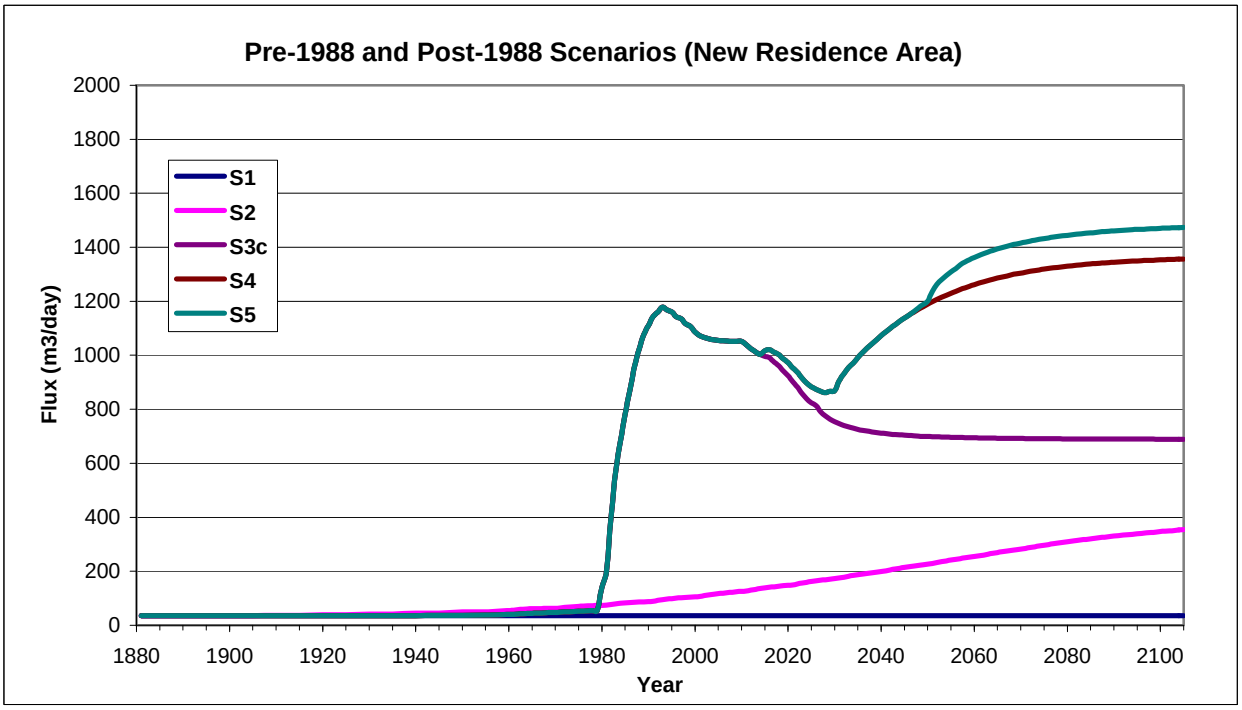
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	35	106	1100	1073	1073	1073	1073
2002	35	110	1100	1066	1066	1066	1066
2003	35	113	1100	1061	1061	1061	1061
2004	35	115	1102	1058	1057	1057	1057
2005	35	117	1103	1055	1055	1055	1055
2006	**35**	**119**	**1105**	**1054**	**1054**	**1054**	**1054**
2007	35	121	1107	1053	1053	1053	1053
2008	35	122	1109	1053	1052	1052	1052
2009	35	124	1111	1052	1052	1052	1052
2010	35	125	1113	1052	1052	1052	1052
2011	35	127	1102	1040	1039	1039	1039
2012	35	130	1088	1025	1024	1024	1024
2013	35	133	1077	1013	1012	1012	1012
2014	35	136	1070	1004	1003	1003	1003
2015	35	138	1064	997	996	1017	1017
2016	35	141	1060	992	991	1021	1021
2017	35	143	1057	975	975	1011	1011
2018	35	145	1055	963	962	1003	1003
2019	35	146	1053	942	941	987	987
2020	35	148	1051	926	925	974	974
2021	35	150	1050	903	902	953	953
2022	35	153	1049	884	884	938	938
2023	35	156	1049	859	859	915	915
2024	35	159	1048	840	839	897	897
2025	35	162	1048	825	824	884	884
2026	35	164	1048	814	813	873	873
2027	35	167	1048	792	791	866	866
2028	35	169	1048	777	775	862	862
2029	35	171	1048	765	764	867	867
2030	35	173	1048	756	754	869	869
2031	35	175	1048	748	746	906	906
2032	35	178	1049	741	740	932	932
2033	35	182	1049	736	735	954	954
2034	35	185	1050	731	730	971	971
2035	35	187	1050	727	726	992	992
2036	35	190	1050	724	722	1010	1010
2037	35	193	1051	721	719	1026	1026
2038	35	195	1051	718	716	1042	1043
2039	35	197	1052	715	714	1058	1058
2040	35	199	1052	713	712	1073	1073
2041	35	202	1053	711	710	1087	1087
2042	35	205	1053	710	708	1101	1101
2043	35	208	1053	708	707	1114	1114
2044	35	211	1054	707	705	1126	1126
2045	35	214	1054	705	704	1138	1138
2046	35	217	1055	704	703	1149	1149
2047	35	219	1055	703	702	1160	1162
2048	35	222	1056	702	701	1170	1175
2049	35	224	1056	702	700	1180	1188
2050	**35**	**227**	**1056**	**701**	**699**	**1189**	**1200**
2051	35	229	1057	700	699	1198	1237
2052	35	232	1057	699	698	1207	1262
2053	35	236	1058	699	697	1215	1281

B-1-f. Modelled groundwater flux (m^3/day) entering the River Murray in the New Residence area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	35	239	1058	698	697	1223	1296
2055	35	242	1058	698	696	1230	1309
2056	35	244	1059	697	696	1237	1321
2057	35	247	1059	697	695	1243	1334
2058	35	250	1059	696	695	1250	1345
2059	35	252	1060	696	695	1256	1354
2060	35	255	1060	696	694	1261	1362
2061	35	257	1060	695	694	1267	1370
2062	35	260	1060	695	694	1272	1377
2063	35	263	1061	695	693	1277	1383
2064	35	266	1061	695	693	1281	1389
2065	35	269	1061	694	693	1286	1394
2066	35	272	1061	694	693	1290	1399
2067	35	275	1062	694	692	1294	1404
2068	35	277	1062	694	692	1298	1408
2069	35	280	1062	693	692	1301	1412
2070	35	282	1062	693	692	1305	1416
2071	35	285	1063	693	692	1308	1420
2072	35	288	1063	693	691	1311	1423
2073	35	291	1063	693	691	1314	1426
2074	35	294	1063	693	691	1316	1429
2075	35	296	1063	693	691	1319	1432
2076	35	299	1064	692	691	1321	1435
2077	35	302	1064	692	691	1324	1438
2078	35	304	1064	692	691	1326	1440
2079	35	307	1064	692	691	1328	1442
2080	35	309	1064	692	690	1330	1444
2081	35	312	1064	692	690	1332	1447
2082	35	314	1064	692	690	1334	1448
2083	35	316	1065	692	690	1335	1450
2084	35	318	1065	692	690	1337	1452
2085	35	320	1065	692	690	1338	1454
2086	35	322	1065	692	690	1340	1455
2087	35	324	1065	691	690	1341	1457
2088	35	326	1065	691	690	1342	1458
2089	35	328	1065	691	690	1344	1459
2090	35	330	1065	691	690	1345	1461
2091	35	332	1065	691	690	1346	1462
2092	35	334	1066	691	690	1347	1463
2093	35	336	1066	691	690	1348	1464
2094	35	337	1066	691	690	1349	1465
2095	35	339	1066	691	690	1350	1466
2096	35	341	1066	691	689	1350	1467
2097	35	342	1066	691	689	1351	1468
2098	35	344	1066	691	689	1352	1469
2099	35	345	1066	691	689	1353	1469
2100	35	347	1066	691	689	1353	1470
2101	35	348	1066	691	689	1354	1471
2102	35	350	1066	691	689	1355	1472
2103	35	351	1066	691	689	1355	1472
2104	35	353	1066	691	689	1356	1473
2105	35	354	1067	691	689	1356	1473
2106	**35**	**356**	**1067**	**691**	**689**	**1357**	**1474**

B-1-f. Modelled groundwater flux (m^3/day) entering the River Murray in the New Residence area (All scenarios)





B-1-f. Graph of modelled groundwater flux (m^3/day) entering the River Murray in the New Residence area

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	162	162	162	162	162	162	162
1900	162	162	162	162	162	162	162
1905	162	162	162	162	162	162	162
1910	162	165	182	182	182	182	182
1915	162	166	206	206	206	206	206
1920	162	169	230	230	230	230	230
1925	162	170	255	255	255	255	255
1930	162	174	280	280	280	280	280
1935	162	174	306	306	306	306	306
1940	162	178	369	369	369	369	369
1945	162	179	418	418	418	418	418
1950	162	183	502	502	502	502	502
1955	162	184	657	657	657	657	657
1960	162	188	930	930	930	930	930
1961	162	190	1142	1142	1142	1142	1142
1962	162	192	1313	1313	1313	1313	1313
1963	162	193	1431	1431	1431	1431	1431
1964	162	195	1562	1562	1562	1562	1562
1965	162	195	1654	1654	1654	1654	1654
1966	162	196	1804	1804	1804	1804	1804
1967	162	197	1910	1910	1910	1910	1910
1968	162	197	2030	2030	2030	2030	2030
1969	162	198	2108	2108	2108	2108	2108
1970	162	198	2260	2260	2260	2260	2260
1971	162	198	2352	2352	2352	2352	2352
1972	162	201	2494	2494	2494	2494	2494
1973	162	202	2580	2580	2580	2580	2580
1974	162	204	2670	2670	2670	2670	2670
1975	162	205	2729	2729	2729	2729	2729
1976	162	206	2823	2823	2823	2823	2823
1977	162	206	2883	2883	2883	2883	2883
1978	162	207	2977	2977	2977	2977	2977
1979	162	208	3036	3036	3036	3036	3036
1980	162	208	3078	3078	3078	3078	3078
1981	162	208	3109	3109	3109	3109	3109
1982	162	211	3157	3157	3157	3157	3157
1983	162	213	3191	3191	3191	3191	3191
1984	162	214	3268	3268	3268	3268	3268
1985	162	216	3316	3316	3316	3316	3316
1986	162	217	3403	3403	3403	3403	3403
1987	162	217	3458	3458	3458	3458	3458
1988	**162**	**218**	**3495**	**3495**	**3495**	**3495**	**3495**
1989	162	219	3522	3522	3522	3522	3522
1990	162	219	3542	3542	3542	3542	3542
1991	162	220	3557	3557	3557	3557	3557
1992	162	222	3568	3568	3568	3568	3568
1993	162	225	3581	3581	3581	3581	3581
1994	162	226	3478	3478	3478	3478	3478
1995	162	228	3411	3411	3411	3411	3411
1996	162	229	3294	3294	3294	3294	3294
1997	162	230	3209	3209	3209	3209	3209
1998	162	231	3107	3085	3085	3085	3085
1999	162	231	3035	2996	2996	2996	2996
2000	**162**	**232**	**2963**	**2883**	**2871**	**2871**	**2871**

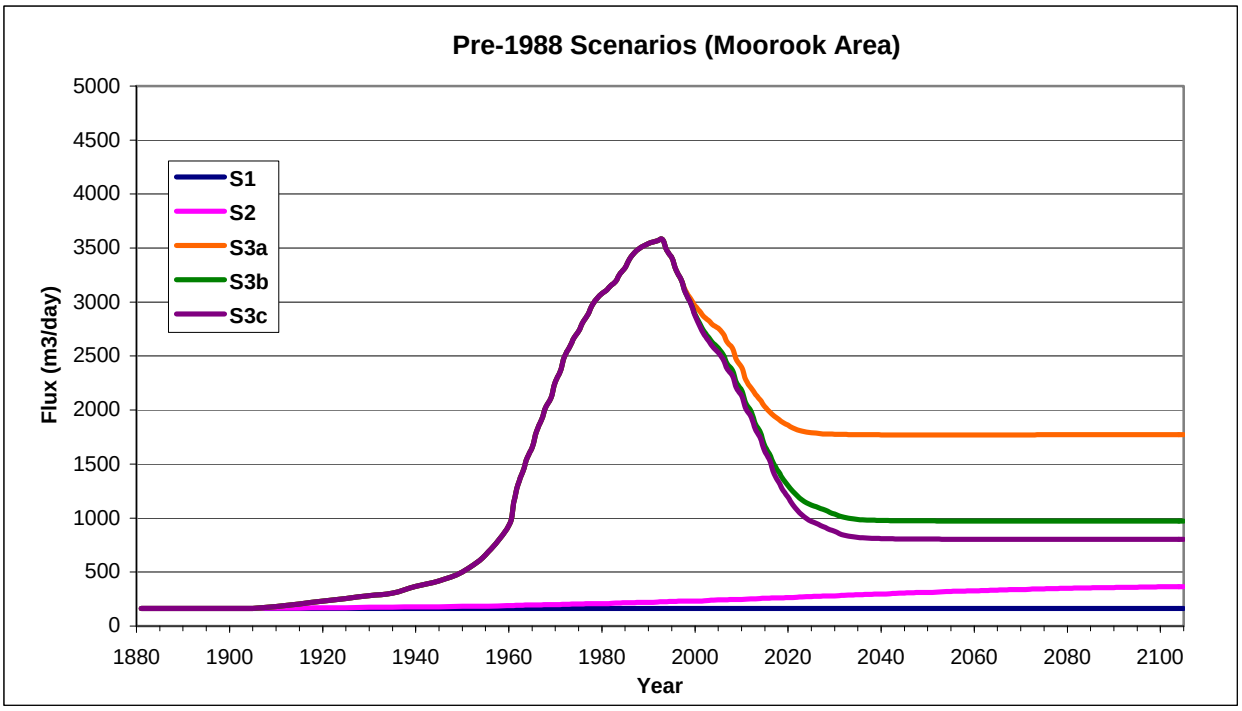
B-1-g. Modelled groundwater flux (m^3/day) entering the River Murray in the Moorook area (All scenarios)

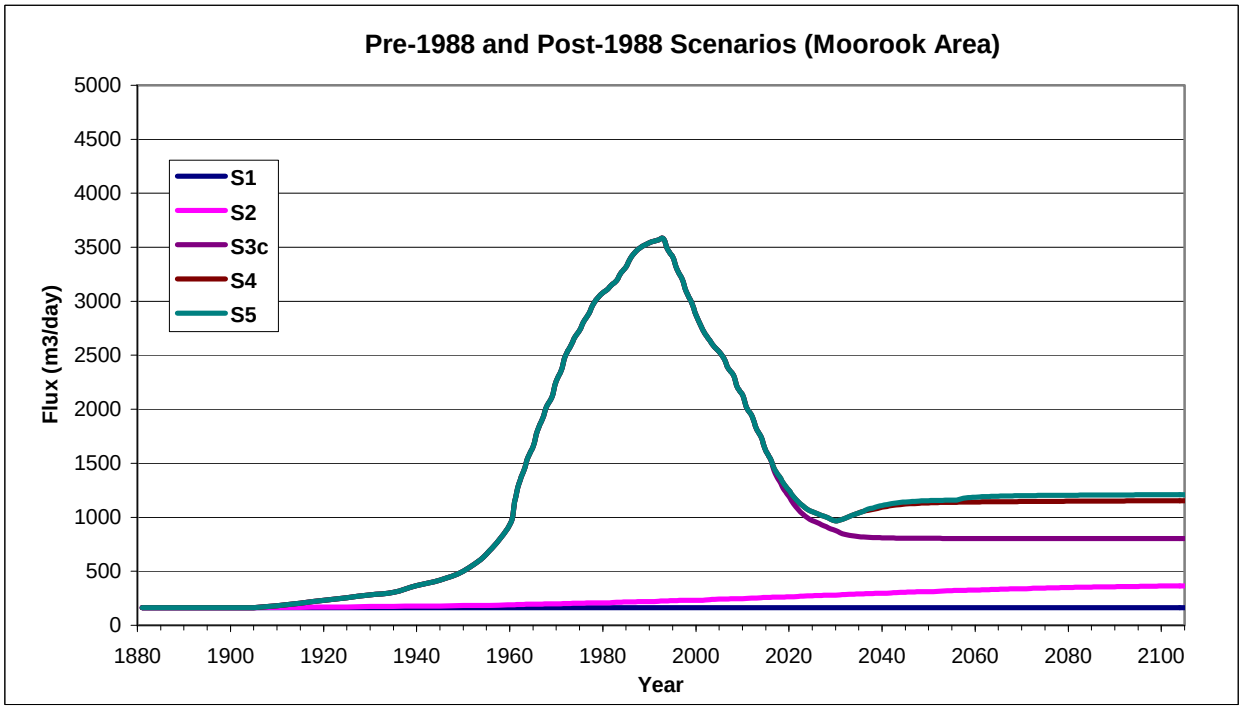
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2001	162	232	2915	2803	2781	2781	2781
2002	162	235	2861	2725	2696	2696	2696
2003	162	238	2827	2671	2636	2636	2636
2004	162	240	2784	2614	2574	2574	2574
2005	162	242	2758	2575	2533	2533	2533
2006	**162**	**243**	**2710**	**2518**	**2472**	**2472**	**2472**
2007	162	244	2624	2425	2378	2378	2378
2008	162	245	2575	2370	2321	2321	2321
2009	162	246	2460	2251	2200	2200	2200
2010	162	247	2398	2184	2133	2133	2133
2011	162	248	2275	2060	2008	2008	2008
2012	162	251	2209	1992	1940	1940	1940
2013	162	253	2144	1868	1816	1816	1816
2014	162	256	2096	1799	1746	1746	1746
2015	162	257	2032	1667	1615	1616	1616
2016	162	259	1985	1594	1542	1544	1544
2017	162	260	1943	1493	1408	1435	1435
2018	162	261	1913	1429	1333	1374	1374
2019	162	262	1883	1355	1251	1302	1302
2020	162	263	1861	1301	1194	1250	1250
2021	162	264	1836	1247	1124	1190	1190
2022	162	267	1818	1206	1073	1145	1145
2023	162	270	1805	1168	1028	1104	1104
2024	162	272	1797	1141	995	1074	1074
2025	162	274	1790	1121	970	1051	1051
2026	162	275	1786	1106	952	1035	1035
2027	162	277	1782	1087	930	1015	1015
2028	162	278	1780	1072	913	1001	1001
2029	162	279	1778	1052	892	981	981
2030	162	280	1776	1038	876	967	967
2031	162	281	1775	1020	857	975	975
2032	162	283	1774	1007	843	989	989
2033	162	286	1773	998	833	1007	1007
2034	162	288	1773	992	826	1024	1024
2035	162	290	1772	987	821	1041	1041
2036	162	292	1772	984	818	1054	1054
2037	162	293	1771	982	815	1064	1075
2038	162	294	1771	980	813	1071	1086
2039	162	295	1771	979	811	1083	1099
2040	162	296	1771	978	810	1092	1110
2041	162	297	1771	977	809	1101	1119
2042	162	300	1771	976	808	1108	1126
2043	162	302	1771	976	807	1113	1133
2044	162	304	1770	975	807	1118	1137
2045	162	306	1770	975	806	1122	1142
2046	162	307	1770	974	806	1125	1145
2047	162	309	1770	974	806	1128	1148
2048	162	310	1770	974	805	1130	1150
2049	162	311	1770	974	805	1132	1152
2050	**162**	**312**	**1770**	**974**	**805**	**1133**	**1153**
2051	162	313	1770	974	805	1135	1155
2052	162	315	1770	974	805	1136	1156
2053	162	317	1770	973	805	1137	1157

B-1-g. Modelled groundwater flux (m^3/day) entering the River Murray in the Moorook area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	162	319	1770	973	805	1138	1158
2055	162	320	1770	973	804	1139	1159
2056	162	322	1771	973	804	1139	1160
2057	162	323	1771	973	804	1140	1172
2058	162	324	1771	973	804	1141	1178
2059	162	325	1771	973	804	1141	1182
2060	162	326	1771	973	804	1142	1186
2061	162	327	1771	973	804	1142	1188
2062	162	328	1771	973	804	1143	1191
2063	162	330	1771	973	804	1143	1193
2064	162	332	1771	973	804	1144	1194
2065	162	333	1771	973	804	1144	1195
2066	162	334	1771	973	804	1144	1197
2067	162	336	1771	973	804	1145	1198
2068	162	337	1771	973	804	1145	1198
2069	162	337	1771	973	804	1145	1199
2070	162	338	1771	973	804	1146	1200
2071	162	339	1771	973	804	1146	1200
2072	162	341	1771	973	804	1146	1201
2073	162	342	1771	973	804	1147	1201
2074	162	344	1771	973	804	1147	1202
2075	162	345	1771	973	804	1147	1202
2076	162	346	1771	973	804	1148	1203
2077	162	347	1771	973	804	1148	1203
2078	162	348	1771	973	804	1148	1203
2079	162	349	1771	973	804	1148	1204
2080	162	350	1771	973	804	1149	1204
2081	162	351	1771	973	804	1149	1204
2082	162	351	1771	973	804	1149	1205
2083	162	352	1771	973	804	1149	1205
2084	162	353	1771	973	804	1150	1205
2085	162	354	1771	973	804	1150	1206
2086	162	354	1771	973	804	1150	1206
2087	162	355	1771	973	804	1150	1206
2088	162	356	1771	973	804	1150	1206
2089	162	356	1771	973	804	1151	1207
2090	162	357	1771	973	804	1151	1207
2091	162	358	1771	973	804	1151	1207
2092	162	358	1771	973	804	1151	1207
2093	162	359	1771	973	804	1151	1207
2094	162	359	1771	973	804	1152	1208
2095	162	360	1771	973	804	1152	1208
2096	162	361	1771	973	804	1152	1208
2097	162	361	1771	973	804	1152	1208
2098	162	362	1771	973	804	1152	1209
2099	162	363	1771	973	804	1153	1209
2100	162	363	1771	973	804	1153	1209
2101	162	364	1771	973	804	1153	1209
2102	162	364	1771	973	804	1153	1209
2103	162	365	1771	973	804	1153	1209
2104	162	365	1771	973	804	1153	1210
2105	162	366	1771	973	804	1154	1210
2106	**162**	**367**	**1771**	**973**	**804**	**1154**	**1210**

B-1-g. Modelled groundwater flux (m^3/day) entering the River Murray in the Moorook area (All scenarios)





B-1-g. Graph of modelled groundwater flux (m^3/day) entering the River Murray in the Moorook area

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
1881	28	28	28	28	28	28	28
1900	28	28	28	28	28	28	28
1905	28	28	28	28	28	28	28
1910	28	30	72	72	72	72	72
1915	28	31	120	120	120	120	120
1920	28	33	169	169	169	169	169
1925	28	34	218	218	218	218	218
1930	28	36	267	267	267	267	267
1935	28	36	317	317	317	317	317
1940	28	37	414	414	414	414	414
1945	28	38	468	468	468	468	468
1950	28	39	521	521	521	521	521
1955	28	39	624	624	624	624	624
1960	28	40	734	734	734	734	734
1961	28	40	800	800	800	800	800
1962	28	41	851	851	851	851	851
1963	28	41	875	875	875	875	875
1964	28	41	914	914	914	914	914
1965	28	41	931	931	931	931	931
1966	28	41	1035	1035	1035	1035	1035
1967	28	41	1077	1077	1077	1077	1077
1968	28	41	1126	1126	1126	1126	1126
1969	28	42	1148	1148	1148	1148	1148
1970	28	42	1187	1187	1187	1187	1187
1971	28	42	1204	1204	1204	1204	1204
1972	28	42	1154	1154	1154	1154	1154
1973	28	42	1141	1141	1141	1141	1141
1974	28	43	1076	1076	1076	1076	1076
1975	28	43	1054	1054	1054	1054	1054
1976	28	43	1038	1038	1038	1038	1038
1977	28	43	1032	1032	1032	1032	1032
1978	28	43	1025	1025	1025	1025	1025
1979	28	43	1023	1023	1023	1023	1023
1980	28	43	1016	1016	1016	1016	1016
1981	28	43	1014	1014	1014	1014	1014
1982	28	44	1007	1007	1007	1007	1007
1983	28	44	1005	1005	1005	1005	1005
1984	28	44	999	999	999	999	999
1985	28	44	997	997	997	997	997
1986	28	44	992	992	992	992	992
1987	28	44	992	992	992	992	992
1988	**28**	**44**	**986**	**986**	**986**	**986**	**986**
1989	28	44	984	984	984	984	984
1990	28	45	977	977	977	977	977
1991	28	45	975	975	975	975	975
1992	28	45	968	968	968	968	968
1993	28	45	965	965	965	965	965
1994	28	46	955	955	955	955	955
1995	28	46	950	950	950	950	950
1996	28	46	932	932	932	932	932
1997	28	46	925	925	925	925	925
1998	28	46	906	906	906	906	906
1999	28	46	897	897	897	897	897
2000	**28**	**46**	**878**	**877**	**877**	**877**	**877**
2001	28	46	869	868	868	868	868

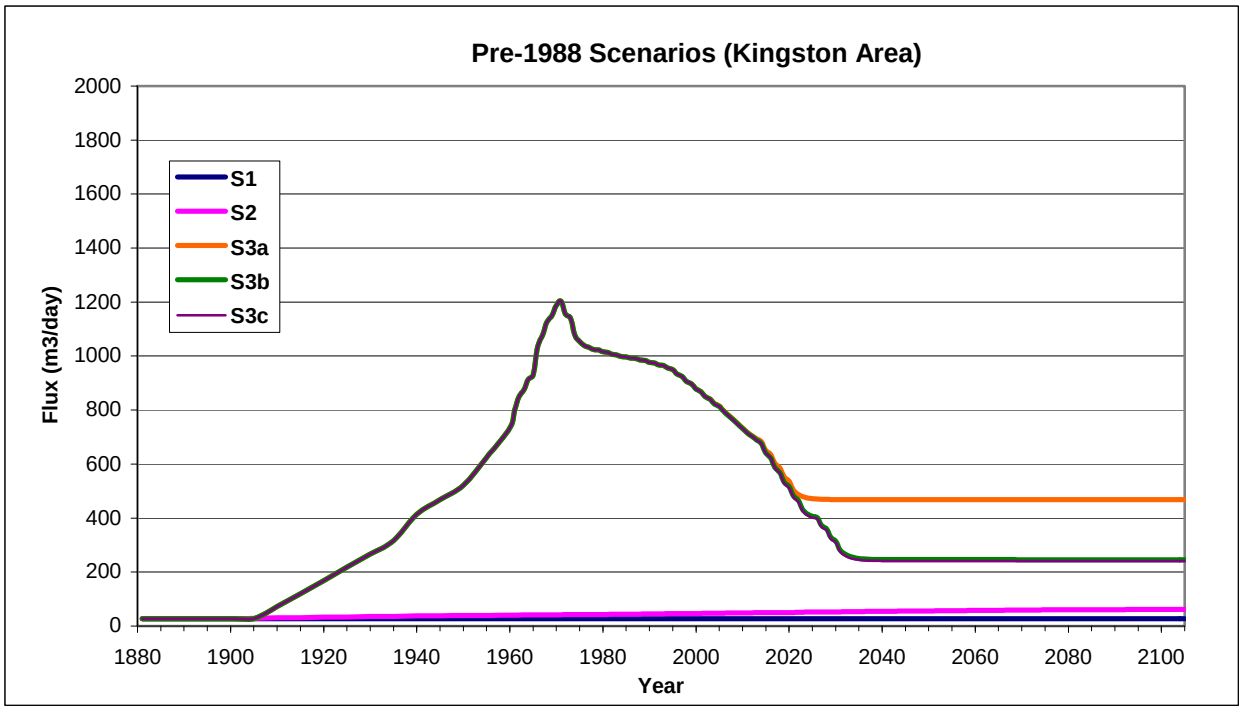
B-1-h. Modelled groundwater flux (m^3/day) entering the River Murray in the Kingston area (All scenarios)

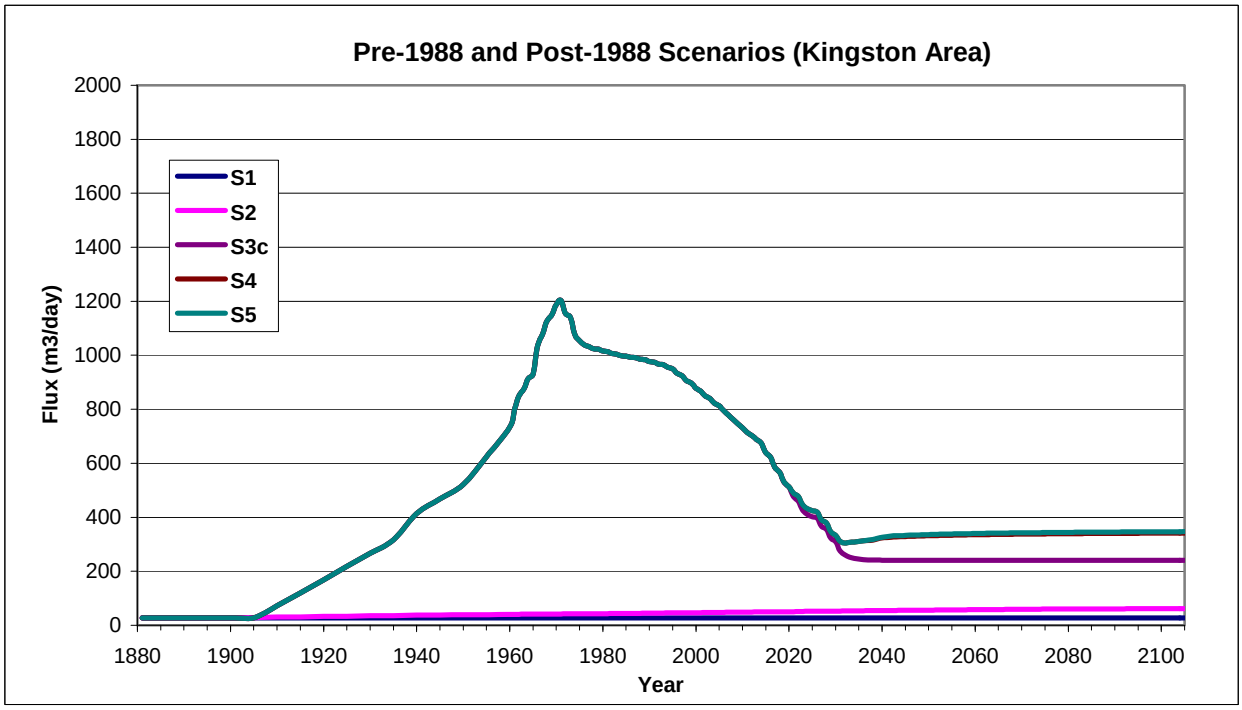
Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2002	28	47	850	849	849	849	849
2003	28	47	842	841	840	840	840
2004	28	48	824	822	821	821	821
2005	28	48	816	814	813	813	813
2006	**28**	**48**	**797**	**795**	**794**	**794**	**794**
2007	28	48	781	779	778	778	778
2008	28	48	766	763	763	763	763
2009	28	48	750	748	747	747	747
2010	28	48	734	732	731	731	731
2011	28	48	718	716	715	715	715
2012	28	49	706	703	703	703	703
2013	28	49	693	689	688	688	688
2014	28	50	683	677	676	676	676
2015	28	50	650	640	639	639	639
2016	28	50	637	624	623	623	623
2017	28	50	601	585	584	584	584
2018	28	50	587	569	566	567	567
2019	28	50	551	532	528	529	529
2020	28	50	537	517	512	513	513
2021	28	50	501	480	475	488	488
2022	28	51	487	466	461	478	478
2023	28	51	479	430	424	444	444
2024	28	52	474	415	410	432	432
2025	28	52	472	407	401	424	424
2026	28	52	470	402	397	420	420
2027	28	52	470	372	367	390	390
2028	28	52	469	361	355	379	379
2029	28	52	469	328	322	346	346
2030	28	52	469	315	309	333	333
2031	28	52	468	281	275	311	311
2032	28	53	468	267	261	305	305
2033	28	53	468	258	253	308	308
2034	28	54	468	254	248	309	309
2035	28	54	468	251	245	311	311
2036	28	54	468	249	243	312	312
2037	28	54	468	248	242	314	315
2038	28	54	468	247	242	315	318
2039	28	54	468	247	241	320	323
2040	28	54	468	247	241	323	327
2041	28	54	468	246	241	325	329
2042	28	55	468	246	241	326	330
2043	28	55	468	246	241	327	331
2044	28	55	468	246	241	328	332
2045	28	55	468	246	241	329	333
2046	28	56	468	246	241	329	334
2047	28	56	468	246	241	330	334
2048	28	56	468	246	241	331	335
2049	28	56	468	246	241	331	335
2050	**28**	**56**	**468**	**246**	**241**	**331**	**336**
2051	28	56	468	246	241	332	336
2052	28	56	468	246	241	332	337
2053	28	57	468	246	241	333	337

B-1-h. Modelled groundwater flux (m^3/day) entering the River Murray in the Kingston area (All scenarios)

Time (year)	S1	S2	S3a	S3b	S3c	S4	S5
2054	28	57	468	246	241	333	338
2055	28	57	468	246	241	334	338
2056	28	57	468	246	240	334	338
2057	28	57	468	246	240	334	339
2058	28	57	468	246	240	335	339
2059	28	58	468	246	240	335	340
2060	28	58	468	246	240	335	340
2061	28	58	468	246	240	336	340
2062	28	58	468	246	240	336	341
2063	28	58	468	246	240	336	341
2064	28	58	468	246	240	336	341
2065	28	59	468	246	240	337	341
2066	28	59	468	246	240	337	342
2067	28	59	468	246	240	337	342
2068	28	59	468	246	240	337	342
2069	28	59	468	246	240	337	342
2070	28	59	468	246	240	338	342
2071	28	59	468	246	240	338	343
2072	28	59	468	246	240	338	343
2073	28	60	468	246	240	338	343
2074	28	60	468	246	240	338	343
2075	28	60	468	246	240	338	343
2076	28	60	468	246	240	339	344
2077	28	60	468	246	240	339	344
2078	28	60	468	246	240	339	344
2079	28	60	468	246	240	339	344
2080	28	60	468	246	240	339	344
2081	28	60	468	246	240	339	344
2082	28	60	468	246	240	339	344
2083	28	61	468	246	240	340	345
2084	28	61	468	246	240	340	345
2085	28	61	468	246	240	340	345
2086	28	61	468	246	240	340	345
2087	28	61	468	246	240	340	345
2088	28	61	468	246	240	340	345
2089	28	61	468	246	240	340	345
2090	28	61	468	246	240	340	345
2091	28	61	468	246	240	340	345
2092	28	61	468	246	240	341	346
2093	28	61	468	246	240	341	346
2094	28	61	468	246	240	341	346
2095	28	61	468	246	240	341	346
2096	28	61	468	246	240	341	346
2097	28	61	468	246	240	341	346
2098	28	61	468	246	240	341	346
2099	28	61	468	246	240	341	346
2100	28	61	468	246	240	341	346
2101	28	61	468	246	240	341	346
2102	28	62	468	246	240	341	347
2103	28	62	468	246	240	342	347
2104	28	62	468	246	240	342	347
2105	28	62	468	246	240	342	347
2106	**28**	**62**	**468**	**246**	**240**	**342**	**347**

B-1-h. Modelled groundwater flux (m^3/day) entering the River Murray in the Kingston area (All scenarios)





B-1-h. Graph of modelled groundwater flux (m^3/day) entering the River Murray in the Kingston area

B-2. MODEL OUTPUT – PYAP AREA

- Model Scenario conditions
- Flow budget zones
- Transient groundwater flux and salt load
- Modelled groundwater flux (m^3/d and L/s)
- Modelled salt load (t/d)

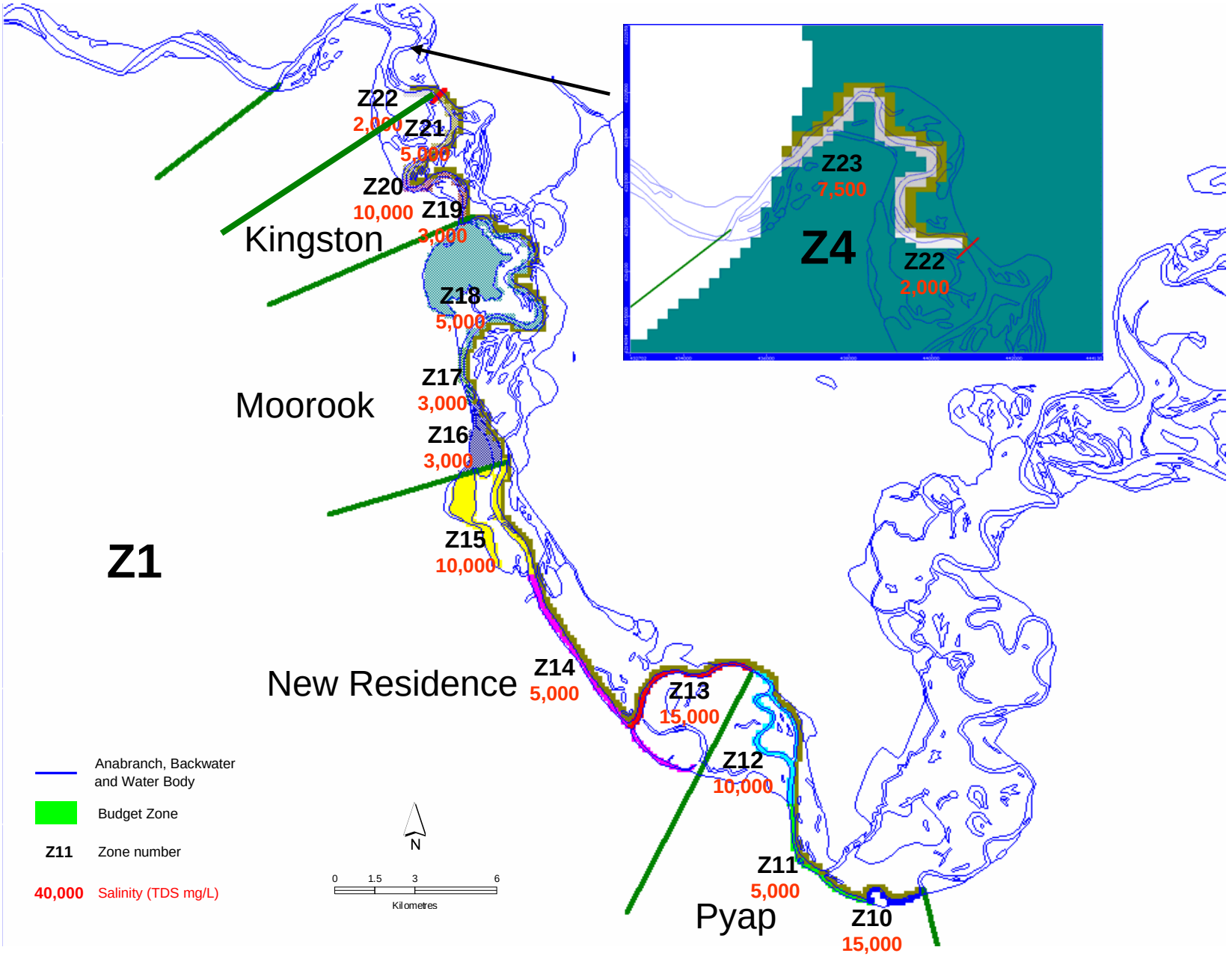
(Transient from 1888 to 1960)

(Scenario-2, 3A, 3B, 3C, 4 and 5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

B-2. Model Scenarios and Conditions



B2-1: Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Pyap to Kingston area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1881	23	150	0	71	35	16	295	3
7300	1900	23	151	0	71	35	16	295	3
9125	1905	23	151	0	71	35	16	295	3
10950	1910	23	151	0	71	35	16	295	3
12775	1915	23	151	0	71	35	16	295	3
14600	1920	23	151	0	71	35	16	295	3
16425	1925	23	151	0	71	35	16	295	3
18250	1930	23	153	0	71	35	16	299	3
20075	1935	23	158	0	71	37	16	306	4
21900	1940	23	167	0	71	43	17	321	4
23725	1945	23	181	0	71	53	17	345	4
25550	1950	23	208	0	71	82	17	402	5
27375	1955	63	224	0	108	88	18	501	6
29200	1960	71	233	0	118	91	18	531	6

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1881	0.3	0.8	0.0	0.7	0.3	0.2	2.3
7300	1900	0.3	0.8	0.0	0.7	0.3	0.2	2.3
9125	1905	0.3	0.8	0.0	0.7	0.3	0.2	2.3
10950	1910	0.3	0.8	0.0	0.7	0.3	0.2	2.3
12775	1915	0.3	0.8	0.0	0.7	0.3	0.2	2.3
14600	1920	0.3	0.8	0.0	0.7	0.3	0.2	2.3
16425	1925	0.3	0.8	0.0	0.7	0.3	0.2	2.3
18250	1930	0.3	0.8	0.0	0.7	0.4	0.2	2.3
20075	1935	0.3	0.8	0.0	0.7	0.4	0.2	2.4
21900	1940	0.3	0.8	0.0	0.7	0.4	0.2	2.5
23725	1945	0.3	0.9	0.0	0.7	0.5	0.2	2.7
25550	1950	0.3	1.0	0.0	0.7	0.8	0.2	3.1
27375	1955	0.9	1.1	0.0	1.1	0.9	0.2	4.2
29200	1960	1.1	1.2	0.0	1.2	0.9	0.2	4.5
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(Transient from 1880 to 1960). Modelled groundwater flux (m^3/day) and salt load (tonnes/day) entering the River Murray from flow budget zones in the Pyap area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1881	23	148	0	71	35	16	293	3
3650	1890	23	149	0	71	35	16	294	3
7300	1900	23	149	0	71	35	16	294	3
9125	1905	23	149	0	71	35	16	295	3
10950	1910	23	149	0	71	35	16	295	3
12775	1915	23	150	0	72	35	16	296	3
14600	1920	23	150	0	72	35	16	296	3
16425	1925	23	150	0	72	35	16	297	3
18250	1930	23	150	0	72	35	17	297	3
20075	1935	24	151	0	72	35	17	298	3
21900	1940	24	151	0	72	35	17	299	3
23725	1945	24	152	0	73	36	17	301	3
25550	1950	24	153	0	73	36	17	302	3
27375	1955	24	154	0	74	36	17	305	4
29200	1960	25	155	0	74	36	17	306	4
29565	1961	25	156	0	74	36	17	307	4
29930	1962	25	156	0	74	36	17	308	4
30295	1963	25	157	0	74	36	17	309	4
30660	1964	25	157	0	74	36	17	309	4
31025	1965	25	157	0	74	37	17	310	4
31390	1966	25	158	0	74	37	17	310	4
31755	1967	25	158	0	74	37	17	311	4
32120	1968	25	158	0	74	37	17	311	4
32485	1969	25	158	0	74	37	17	312	4
32850	1970	25	159	0	74	37	17	312	4
33215	1971	25	160	0	75	37	17	314	4
33580	1972	25	160	0	75	37	17	315	4
33945	1973	25	161	0	75	37	17	315	4
34310	1974	25	161	0	75	37	17	316	4
34675	1975	26	162	0	75	37	17	317	4
35040	1976	26	162	0	75	37	17	318	4
35405	1977	26	163	0	75	38	17	318	4
35770	1978	26	163	0	75	38	17	319	4
36135	1979	26	164	0	75	38	17	320	4
36500	1980	26	164	0	75	38	17	321	4
36865	1981	26	165	0	76	38	17	322	4
37230	1982	26	166	0	76	38	18	324	4
37595	1983	26	167	0	76	38	18	325	4
37960	1984	26	168	0	76	38	18	326	4
38325	1985	26	168	0	76	39	18	327	4
38690	1986	27	169	0	76	39	18	328	4

B-2(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
39055	1987	27	170	0	76	39	18	330	4
39420	1988	27	171	0	76	39	18	331	4
39785	1989	27	171	0	77	39	18	332	4
40150	1990	27	172	0	77	39	18	333	4
40515	1991	27	174	0	77	39	18	335	4
40880	1992	27	175	0	77	40	18	337	4
41245	1993	27	176	0	77	40	18	339	4
41610	1994	28	177	0	77	40	18	340	4
41975	1995	28	178	0	78	40	18	342	4
42340	1996	28	179	0	78	40	18	344	4
42705	1997	28	180	0	78	41	18	345	4
43070	1998	28	181	0	78	41	19	347	4
43435	1999	28	182	0	78	41	19	348	4
43800	2000	28	183	0	78	41	19	350	4
44165	2001	28	185	0	79	41	19	353	4
44530	2002	29	187	0	79	42	19	355	4
44895	2003	29	189	0	79	42	19	357	4
45260	2004	29	190	0	79	42	19	360	4
45625	2005	29	192	0	79	43	19	362	4
45990	2006	29	193	0	80	43	19	364	4
46355	2007	30	195	0	80	43	19	366	4
46720	2008	30	196	0	80	43	19	369	4
47085	2009	30	198	0	80	44	19	371	4
47450	2010	30	199	0	80	44	20	373	4
47815	2011	30	201	0	81	44	20	376	4
48180	2012	30	203	0	81	45	20	379	4
48545	2013	31	206	0	81	45	20	382	4
48910	2014	31	208	0	82	45	20	385	4
49275	2015	31	210	0	82	46	20	388	4
49640	2016	31	211	0	82	46	20	391	5
50005	2017	32	213	0	82	46	20	394	5
50370	2018	32	215	0	83	46	20	397	5
50735	2019	32	217	0	83	47	20	399	5
51100	2020	32	219	0	83	47	21	402	5
51465	2021	32	222	0	83	47	21	406	5
51830	2022	33	224	0	84	48	21	409	5
52195	2023	33	227	0	84	48	21	413	5
52560	2024	33	229	0	84	49	21	417	5
52925	2025	33	232	0	85	49	21	420	5
53290	2026	34	234	0	85	49	21	423	5

B-2(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
53655	2027	34	236	0	85	50	21	427	5
54020	2028	34	239	0	86	50	22	430	5
54385	2029	35	241	0	86	50	22	433	5
54750	2030	35	243	0	86	51	22	437	5
55115	2031	35	246	0	87	51	22	441	5
55480	2032	35	249	0	87	52	22	445	5
55845	2033	36	252	0	87	52	22	449	5
56210	2034	36	254	0	88	53	22	453	5
56575	2035	36	257	0	88	53	23	457	5
56940	2036	37	260	0	88	53	23	461	5
57305	2037	37	262	0	89	54	23	465	5
57670	2038	37	265	0	89	54	23	468	5
58035	2039	37	268	0	89	55	23	472	5
58400	2040	38	270	0	90	55	23	476	6
58765	2041	38	273	0	90	55	23	480	6
59130	2042	38	276	0	91	56	23	485	6
59495	2043	39	279	0	91	56	24	489	6
59860	2044	39	282	0	91	57	24	493	6
60225	2045	39	285	0	92	57	24	498	6
60590	2046	40	288	0	92	58	24	502	6
60955	2047	40	291	0	93	58	24	506	6
61320	2048	40	294	0	93	59	24	510	6
61685	2049	41	297	0	94	59	24	514	6
62050	2050	41	299	0	94	59	25	518	6
62415	2051	41	303	0	94	60	25	523	6
62780	2052	42	306	0	95	60	25	527	6
63145	2053	42	309	0	95	61	25	532	6
63510	2054	42	312	0	96	61	25	536	6
63875	2055	43	315	0	96	62	25	541	6
64240	2056	43	318	0	96	62	25	545	6
64605	2057	43	321	0	97	63	26	549	6
64970	2058	44	324	0	97	63	26	554	6
65335	2059	44	327	0	98	63	26	558	6
65700	2060	45	329	0	98	64	26	562	7
66065	2061	45	333	0	99	64	26	567	7
66430	2062	45	336	0	99	65	26	571	7
66795	2063	46	339	0	99	65	26	576	7
67160	2064	46	342	0	100	66	27	580	7
67525	2065	46	345	0	100	66	27	585	7
67890	2066	47	348	0	101	67	27	589	7

B-2(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
68255	2067	47	351	0	101	67	27	593	7
68620	2068	47	354	0	102	68	27	598	7
68985	2069	48	357	0	102	68	27	602	7
69350	2070	48	360	0	103	68	27	606	7
69715	2071	48	363	0	103	69	27	610	7
70080	2072	49	366	0	103	69	28	615	7
70445	2073	49	369	0	104	70	28	619	7
70810	2074	50	372	0	104	70	28	624	7
71175	2075	50	375	0	105	71	28	628	7
71540	2076	50	378	0	105	71	28	632	7
71905	2077	51	381	0	106	71	28	636	7
72270	2078	51	383	0	106	72	28	641	7
72635	2079	51	386	0	106	72	29	645	7
73000	2080	52	389	0	107	73	29	649	8
73365	2081	52	392	0	107	73	29	653	8
73730	2082	52	395	0	108	73	29	657	8
74095	2083	53	397	0	108	74	29	661	8
74460	2084	53	400	0	108	74	29	665	8
74825	2085	53	403	0	109	75	29	669	8
75190	2086	54	405	0	109	75	29	672	8
75555	2087	54	408	0	110	75	29	676	8
75920	2088	54	410	0	110	76	30	680	8
76285	2089	55	413	0	110	76	30	684	8
76650	2090	55	415	0	111	76	30	687	8
77015	2091	55	418	0	111	77	30	691	8
77380	2092	56	420	0	111	77	30	694	8
77745	2093	56	422	0	112	77	30	698	8
78110	2094	56	425	0	112	78	30	701	8
78475	2095	57	427	0	113	78	30	704	8
78840	2096	57	429	0	113	78	30	708	8
79205	2097	57	431	0	113	79	30	711	8
79570	2098	57	433	0	114	79	31	714	8
79935	2099	58	436	0	114	79	31	717	8
80300	2100	58	438	0	114	80	31	720	8
80665	2101	58	440	0	115	80	31	723	8
81030	2102	59	442	0	115	80	31	726	8
81395	2103	59	444	0	115	80	31	730	8
81760	2104	59	446	0	116	81	31	732	8
82125	2105	60	448	0	116	81	31	735	9
82490	2106	60	450	0	116	81	31	738	9

B-2(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1881	0.3	0.7	0.0	0.7	0.3	0.2	2.3
3650	1890	0.3	0.7	0.0	0.7	0.3	0.2	2.3
7300	1900	0.3	0.7	0.0	0.7	0.3	0.2	2.3
9125	1905	0.3	0.7	0.0	0.7	0.3	0.2	2.3
10950	1910	0.3	0.7	0.0	0.7	0.3	0.2	2.3
12775	1915	0.3	0.7	0.0	0.7	0.3	0.2	2.3
14600	1920	0.3	0.7	0.0	0.7	0.4	0.2	2.3
16425	1925	0.3	0.8	0.0	0.7	0.4	0.2	2.3
18250	1930	0.3	0.8	0.0	0.7	0.4	0.2	2.3
20075	1935	0.4	0.8	0.0	0.7	0.4	0.2	2.3
21900	1940	0.4	0.8	0.0	0.7	0.4	0.2	2.4
23725	1945	0.4	0.8	0.0	0.7	0.4	0.2	2.4
25550	1950	0.4	0.8	0.0	0.7	0.4	0.2	2.4
27375	1955	0.4	0.8	0.0	0.7	0.4	0.2	2.4
29200	1960	0.4	0.8	0.0	0.7	0.4	0.2	2.4
29565	1961	0.4	0.8	0.0	0.7	0.4	0.2	2.4
29930	1962	0.4	0.8	0.0	0.7	0.4	0.2	2.4
30295	1963	0.4	0.8	0.0	0.7	0.4	0.2	2.4
30660	1964	0.4	0.8	0.0	0.7	0.4	0.2	2.4
31025	1965	0.4	0.8	0.0	0.7	0.4	0.2	2.4
31390	1966	0.4	0.8	0.0	0.7	0.4	0.2	2.4
31755	1967	0.4	0.8	0.0	0.7	0.4	0.2	2.4
32120	1968	0.4	0.8	0.0	0.7	0.4	0.2	2.4
32485	1969	0.4	0.8	0.0	0.7	0.4	0.2	2.4
32850	1970	0.4	0.8	0.0	0.7	0.4	0.2	2.5
33215	1971	0.4	0.8	0.0	0.7	0.4	0.2	2.5
33580	1972	0.4	0.8	0.0	0.7	0.4	0.2	2.5
33945	1973	0.4	0.8	0.0	0.7	0.4	0.2	2.5
34310	1974	0.4	0.8	0.0	0.7	0.4	0.2	2.5
34675	1975	0.4	0.8	0.0	0.7	0.4	0.2	2.5
35040	1976	0.4	0.8	0.0	0.8	0.4	0.2	2.5
35405	1977	0.4	0.8	0.0	0.8	0.4	0.2	2.5
35770	1978	0.4	0.8	0.0	0.8	0.4	0.2	2.5
36135	1979	0.4	0.8	0.0	0.8	0.4	0.2	2.5
36500	1980	0.4	0.8	0.0	0.8	0.4	0.2	2.5
36865	1981	0.4	0.8	0.0	0.8	0.4	0.2	2.5
37230	1982	0.4	0.8	0.0	0.8	0.4	0.2	2.5
37595	1983	0.4	0.8	0.0	0.8	0.4	0.2	2.5
37960	1984	0.4	0.8	0.0	0.8	0.4	0.2	2.6
38325	1985	0.4	0.8	0.0	0.8	0.4	0.2	2.6
38690	1986	0.4	0.8	0.0	0.8	0.4	0.2	2.6
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S2). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
39055	1987	0.4	0.8	0.0	0.8	0.4	0.2	2.6
39420	1988	0.4	0.9	0.0	0.8	0.4	0.2	2.6
39785	1989	0.4	0.9	0.0	0.8	0.4	0.2	2.6
40150	1990	0.4	0.9	0.0	0.8	0.4	0.2	2.6
40515	1991	0.4	0.9	0.0	0.8	0.4	0.2	2.6
40880	1992	0.4	0.9	0.0	0.8	0.4	0.2	2.6
41245	1993	0.4	0.9	0.0	0.8	0.4	0.2	2.6
41610	1994	0.4	0.9	0.0	0.8	0.4	0.2	2.7
41975	1995	0.4	0.9	0.0	0.8	0.4	0.2	2.7
42340	1996	0.4	0.9	0.0	0.8	0.4	0.2	2.7
42705	1997	0.4	0.9	0.0	0.8	0.4	0.2	2.7
43070	1998	0.4	0.9	0.0	0.8	0.4	0.2	2.7
43435	1999	0.4	0.9	0.0	0.8	0.4	0.2	2.7
43800	2000	0.4	0.9	0.0	0.8	0.4	0.2	2.7
44165	2001	0.4	0.9	0.0	0.8	0.4	0.2	2.7
44530	2002	0.4	0.9	0.0	0.8	0.4	0.2	2.8
44895	2003	0.4	0.9	0.0	0.8	0.4	0.2	2.8
45260	2004	0.4	1.0	0.0	0.8	0.4	0.2	2.8
45625	2005	0.4	1.0	0.0	0.8	0.4	0.2	2.8
45990	2006	0.4	1.0	0.0	0.8	0.4	0.2	2.8
46355	2007	0.4	1.0	0.0	0.8	0.4	0.2	2.8
46720	2008	0.4	1.0	0.0	0.8	0.4	0.2	2.9
47085	2009	0.4	1.0	0.0	0.8	0.4	0.2	2.9
47450	2010	0.5	1.0	0.0	0.8	0.4	0.2	2.9
47815	2011	0.5	1.0	0.0	0.8	0.4	0.2	2.9
48180	2012	0.5	1.0	0.0	0.8	0.4	0.2	2.9
48545	2013	0.5	1.0	0.0	0.8	0.4	0.2	2.9
48910	2014	0.5	1.0	0.0	0.8	0.5	0.2	3.0
49275	2015	0.5	1.0	0.0	0.8	0.5	0.2	3.0
49640	2016	0.5	1.1	0.0	0.8	0.5	0.2	3.0
50005	2017	0.5	1.1	0.0	0.8	0.5	0.2	3.0
50370	2018	0.5	1.1	0.0	0.8	0.5	0.2	3.0
50735	2019	0.5	1.1	0.0	0.8	0.5	0.2	3.1
51100	2020	0.5	1.1	0.0	0.8	0.5	0.2	3.1
51465	2021	0.5	1.1	0.0	0.8	0.5	0.2	3.1
51830	2022	0.5	1.1	0.0	0.8	0.5	0.2	3.1
52195	2023	0.5	1.1	0.0	0.8	0.5	0.2	3.2
52560	2024	0.5	1.1	0.0	0.8	0.5	0.2	3.2
52925	2025	0.5	1.2	0.0	0.8	0.5	0.2	3.2
53290	2026	0.5	1.2	0.0	0.9	0.5	0.2	3.2
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

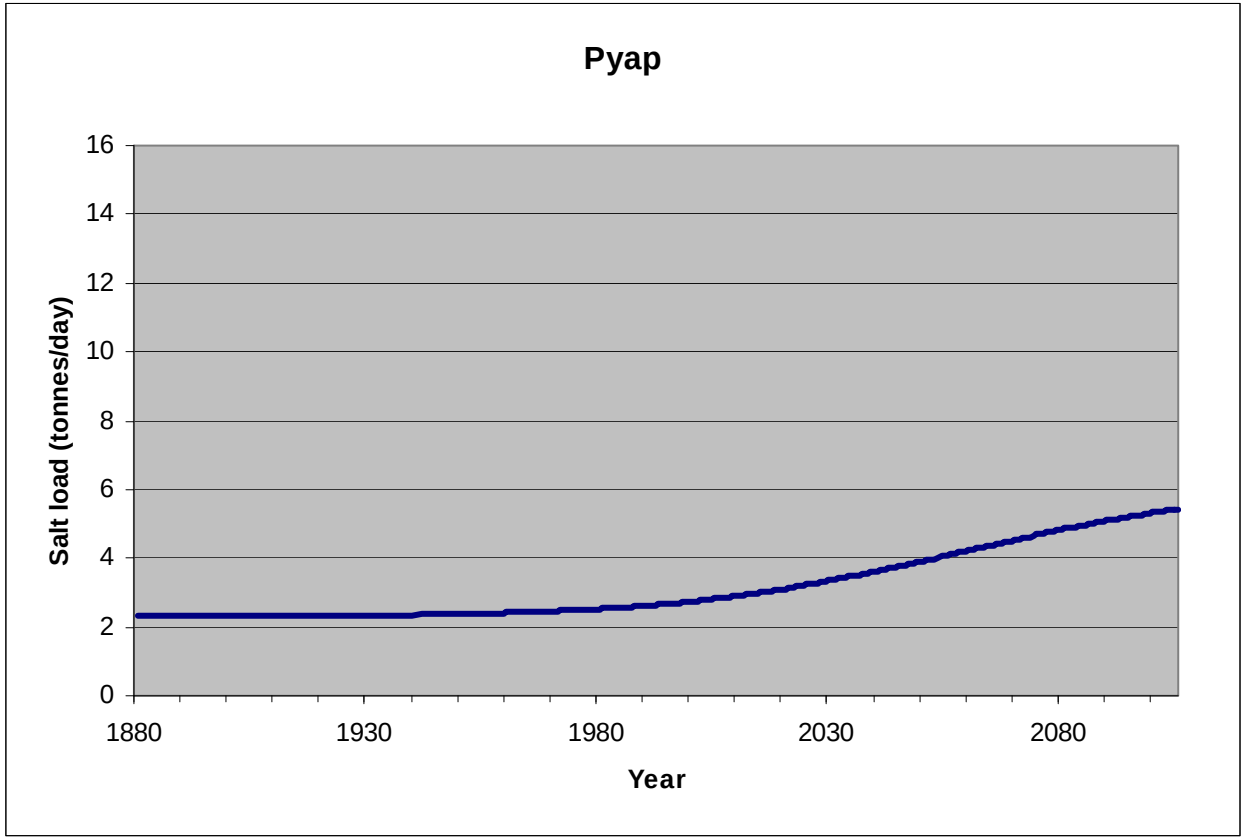
B-2(S2). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
53655	2027	0.5	1.2	0.0	0.9	0.5	0.2	3.3
54020	2028	0.5	1.2	0.0	0.9	0.5	0.2	3.3
54385	2029	0.5	1.2	0.0	0.9	0.5	0.2	3.3
54750	2030	0.5	1.2	0.0	0.9	0.5	0.2	3.3
55115	2031	0.5	1.2	0.0	0.9	0.5	0.2	3.4
55480	2032	0.5	1.2	0.0	0.9	0.5	0.2	3.4
55845	2033	0.5	1.3	0.0	0.9	0.5	0.2	3.4
56210	2034	0.5	1.3	0.0	0.9	0.5	0.2	3.4
56575	2035	0.5	1.3	0.0	0.9	0.5	0.2	3.5
56940	2036	0.5	1.3	0.0	0.9	0.5	0.2	3.5
57305	2037	0.6	1.3	0.0	0.9	0.5	0.2	3.5
57670	2038	0.6	1.3	0.0	0.9	0.5	0.2	3.5
58035	2039	0.6	1.3	0.0	0.9	0.5	0.2	3.6
58400	2040	0.6	1.4	0.0	0.9	0.5	0.2	3.6
58765	2041	0.6	1.4	0.0	0.9	0.6	0.2	3.6
59130	2042	0.6	1.4	0.0	0.9	0.6	0.2	3.7
59495	2043	0.6	1.4	0.0	0.9	0.6	0.2	3.7
59860	2044	0.6	1.4	0.0	0.9	0.6	0.2	3.7
60225	2045	0.6	1.4	0.0	0.9	0.6	0.2	3.7
60590	2046	0.6	1.4	0.0	0.9	0.6	0.2	3.8
60955	2047	0.6	1.5	0.0	0.9	0.6	0.2	3.8
61320	2048	0.6	1.5	0.0	0.9	0.6	0.2	3.8
61685	2049	0.6	1.5	0.0	0.9	0.6	0.2	3.9
62050	2050	0.6	1.5	0.0	0.9	0.6	0.2	3.9
62415	2051	0.6	1.5	0.0	0.9	0.6	0.2	3.9
62780	2052	0.6	1.5	0.0	0.9	0.6	0.2	4.0
63145	2053	0.6	1.5	0.0	1.0	0.6	0.2	4.0
63510	2054	0.6	1.6	0.0	1.0	0.6	0.3	4.0
63875	2055	0.6	1.6	0.0	1.0	0.6	0.3	4.0
64240	2056	0.6	1.6	0.0	1.0	0.6	0.3	4.1
64605	2057	0.7	1.6	0.0	1.0	0.6	0.3	4.1
64970	2058	0.7	1.6	0.0	1.0	0.6	0.3	4.1
65335	2059	0.7	1.6	0.0	1.0	0.6	0.3	4.2
65700	2060	0.7	1.6	0.0	1.0	0.6	0.3	4.2
66065	2061	0.7	1.7	0.0	1.0	0.6	0.3	4.2
66430	2062	0.7	1.7	0.0	1.0	0.6	0.3	4.3
66795	2063	0.7	1.7	0.0	1.0	0.7	0.3	4.3
67160	2064	0.7	1.7	0.0	1.0	0.7	0.3	4.3
67525	2065	0.7	1.7	0.0	1.0	0.7	0.3	4.4
67890	2066	0.7	1.7	0.0	1.0	0.7	0.3	4.4
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S2). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
68255	2067	0.7	1.8	0.0	1.0	0.7	0.3	4.4
68620	2068	0.7	1.8	0.0	1.0	0.7	0.3	4.4
68985	2069	0.7	1.8	0.0	1.0	0.7	0.3	4.5
69350	2070	0.7	1.8	0.0	1.0	0.7	0.3	4.5
69715	2071	0.7	1.8	0.0	1.0	0.7	0.3	4.5
70080	2072	0.7	1.8	0.0	1.0	0.7	0.3	4.6
70445	2073	0.7	1.8	0.0	1.0	0.7	0.3	4.6
70810	2074	0.7	1.9	0.0	1.0	0.7	0.3	4.6
71175	2075	0.7	1.9	0.0	1.0	0.7	0.3	4.7
71540	2076	0.8	1.9	0.0	1.1	0.7	0.3	4.7
71905	2077	0.8	1.9	0.0	1.1	0.7	0.3	4.7
72270	2078	0.8	1.9	0.0	1.1	0.7	0.3	4.7
72635	2079	0.8	1.9	0.0	1.1	0.7	0.3	4.8
73000	2080	0.8	1.9	0.0	1.1	0.7	0.3	4.8
73365	2081	0.8	2.0	0.0	1.1	0.7	0.3	4.8
73730	2082	0.8	2.0	0.0	1.1	0.7	0.3	4.9
74095	2083	0.8	2.0	0.0	1.1	0.7	0.3	4.9
74460	2084	0.8	2.0	0.0	1.1	0.7	0.3	4.9
74825	2085	0.8	2.0	0.0	1.1	0.7	0.3	4.9
75190	2086	0.8	2.0	0.0	1.1	0.7	0.3	5.0
75555	2087	0.8	2.0	0.0	1.1	0.8	0.3	5.0
75920	2088	0.8	2.1	0.0	1.1	0.8	0.3	5.0
76285	2089	0.8	2.1	0.0	1.1	0.8	0.3	5.0
76650	2090	0.8	2.1	0.0	1.1	0.8	0.3	5.1
77015	2091	0.8	2.1	0.0	1.1	0.8	0.3	5.1
77380	2092	0.8	2.1	0.0	1.1	0.8	0.3	5.1
77745	2093	0.8	2.1	0.0	1.1	0.8	0.3	5.1
78110	2094	0.8	2.1	0.0	1.1	0.8	0.3	5.2
78475	2095	0.8	2.1	0.0	1.1	0.8	0.3	5.2
78840	2096	0.9	2.1	0.0	1.1	0.8	0.3	5.2
79205	2097	0.9	2.2	0.0	1.1	0.8	0.3	5.2
79570	2098	0.9	2.2	0.0	1.1	0.8	0.3	5.3
79935	2099	0.9	2.2	0.0	1.1	0.8	0.3	5.3
80300	2100	0.9	2.2	0.0	1.1	0.8	0.3	5.3
80665	2101	0.9	2.2	0.0	1.1	0.8	0.3	5.3
81030	2102	0.9	2.2	0.0	1.1	0.8	0.3	5.3
81395	2103	0.9	2.2	0.0	1.2	0.8	0.3	5.4
81760	2104	0.9	2.2	0.0	1.2	0.8	0.3	5.4
82125	2105	0.9	2.2	0.0	1.2	0.8	0.3	5.4
82490	2106	0.9	2.2	0.0	1.2	0.8	0.3	5.4
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S2). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 2)



B-2(S2). Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1961	72	241	0	119	85	18	**535**	*6*
730	1962	73	240	0	120	84	18	**534**	*6*
1095	1963	74	240	0	121	83	18	**535**	*6*
1460	1964	74	240	0	121	83	18	**537**	*6*
1825	1965	75	241	0	122	84	18	**539**	*6*
2190	1966	75	242	0	122	84	18	**541**	*6*
2555	1967	76	243	0	123	84	18	**543**	*6*
2920	1968	76	243	0	123	84	18	**544**	*6*
3285	1969	76	244	0	124	84	18	**546**	*6*
3650	1970	77	245	0	124	84	18	**547**	*6*
4015	1971	77	246	0	124	84	18	**549**	*6*
4380	1972	77	246	0	124	84	18	**550**	*6*
4745	1973	77	247	0	125	85	18	**551**	*6*
5110	1974	77	247	0	125	85	18	**552**	*6*
5475	1975	78	248	0	125	85	18	**554**	*6*
5840	1976	78	249	0	125	85	18	**555**	*6*
6205	1977	78	249	0	125	85	18	**556**	*6*
6570	1978	78	250	0	126	85	18	**557**	*6*
6935	1979	78	250	0	126	85	18	**557**	*6*
7300	1980	78	251	0	126	85	18	**558**	*6*
7665	1981	78	251	0	126	85	18	**559**	*6*
8030	1982	78	291	0	126	89	18	**602**	*7*
8395	1983	79	304	0	126	90	18	**617**	*7*
8760	1984	79	352	0	126	94	18	**670**	*8*
9125	1985	79	372	0	127	96	18	**692**	*8*
9490	1986	79	466	0	127	104	19	**795**	*9*
9855	1987	79	505	0	127	108	19	**837**	*10*
10220	1988	79	656	0	128	120	19	**1002**	*12*
10585	1989	79	720	0	128	126	19	**1073**	*12*
10950	1990	80	768	0	128	131	19	**1125**	*13*
11315	1991	80	808	0	129	134	19	**1170**	*14*
11680	1992	80	845	0	129	138	19	**1211**	*14*
12045	1993	80	878	0	130	141	19	**1248**	*14*
12410	1994	80	908	0	130	144	20	**1282**	*15*
12775	1995	81	937	0	130	146	20	**1314**	*15*
13140	1996	81	964	0	131	149	20	**1344**	*16*
13505	1997	81	988	0	131	151	20	**1372**	*16*
13870	1998	81	1012	0	132	153	20	**1398**	*16*

B-2(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
14235	**1999**	82	1034	0	132	155	20	**1422**	***16***
14600	**2000**	82	1055	0	132	157	20	**1446**	***17***
14965	**2001**	82	1074	0	133	159	20	**1468**	***17***
15330	**2002**	70	954	0	125	134	20	**1304**	***15***
15695	**2003**	64	921	0	120	121	20	**1245**	***14***
16060	**2004**	61	901	0	116	115	20	**1213**	***14***
16425	**2005**	58	888	0	113	112	20	**1191**	***14***
16790	**2006**	57	878	0	111	110	20	**1175**	***14***
17155	**2007**	55	894	0	110	110	20	**1189**	***14***
17520	**2008**	55	903	0	109	110	20	**1196**	***14***
17885	**2009**	54	983	0	108	113	20	**1278**	***15***
18250	**2010**	53	1031	0	107	115	20	**1326**	***15***
18615	**2011**	53	1060	0	107	117	20	**1357**	***16***
18980	**2012**	52	1081	0	106	118	20	**1378**	***16***
19345	**2013**	52	1096	0	106	119	20	**1394**	***16***
19710	**2014**	52	1108	0	106	120	21	**1406**	***16***
20075	**2015**	52	1118	0	105	121	21	**1417**	***16***
20440	**2016**	51	1126	0	105	122	21	**1425**	***16***
20805	**2017**	51	1133	0	105	123	21	**1433**	***17***
21170	**2018**	51	1139	0	105	123	21	**1440**	***17***
21535	**2019**	51	1145	0	105	124	21	**1446**	***17***
21900	**2020**	51	1150	0	105	125	21	**1451**	***17***
22265	**2021**	51	1154	0	105	125	21	**1456**	***17***
22630	**2022**	51	1158	0	105	125	21	**1461**	***17***
22995	**2023**	51	1162	0	105	126	21	**1465**	***17***
23360	**2024**	51	1166	0	105	126	21	**1469**	***17***
23725	**2025**	51	1169	0	105	127	21	**1473**	***17***
24090	**2026**	51	1172	0	105	127	21	**1476**	***17***
24455	**2027**	51	1175	0	105	127	21	**1480**	***17***
24820	**2028**	51	1178	0	105	128	21	**1483**	***17***
25185	**2029**	51	1181	0	105	128	21	**1486**	***17***
25550	**2030**	51	1183	0	105	128	21	**1489**	***17***
25915	**2031**	51	1186	0	105	128	21	**1491**	***17***
26280	**2032**	51	1188	0	105	129	21	**1494**	***17***
26645	**2033**	51	1190	0	105	129	22	**1497**	***17***
27010	**2034**	51	1192	0	105	129	22	**1499**	***17***

B-2(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
27375	2035	51	1194	0	105	129	22	**1502**	***17***
27740	2036	51	1196	0	105	130	22	**1504**	***17***
28105	2037	51	1198	0	105	130	22	**1506**	***17***
28470	2038	51	1200	0	105	130	22	**1508**	***17***
28835	2039	51	1202	0	105	130	22	**1510**	***17***
29200	2040	51	1203	0	105	130	22	**1512**	***18***
29565	2041	51	1205	0	105	131	22	**1514**	***18***
29930	2042	51	1206	0	105	131	22	**1516**	***18***
30295	2043	51	1208	0	106	131	22	**1518**	***18***
30660	2044	51	1209	0	106	131	22	**1519**	***18***
31025	2045	51	1211	0	106	131	22	**1521**	***18***
31390	2046	52	1212	0	106	131	22	**1522**	***18***
31755	2047	52	1213	0	106	132	22	**1524**	***18***
32120	2048	52	1214	0	106	132	22	**1525**	***18***
32485	2049	52	1216	0	106	132	22	**1527**	***18***
32850	2050	52	1217	0	106	132	22	**1528**	***18***
33215	2051	52	1218	0	106	132	22	**1529**	***18***
33580	2052	52	1219	0	106	132	22	**1531**	***18***
33945	2053	52	1220	0	106	132	22	**1532**	***18***
34310	2054	52	1221	0	106	132	22	**1533**	***18***
34675	2055	52	1222	0	106	132	22	**1534**	***18***
35040	2056	52	1222	0	106	133	22	**1535**	***18***
35405	2057	52	1223	0	106	133	22	**1536**	***18***
35770	2058	52	1224	0	106	133	22	**1537**	***18***
36135	2059	52	1225	0	106	133	22	**1538**	***18***
36500	2060	52	1226	0	106	133	22	**1539**	***18***
36865	2061	52	1226	0	106	133	22	**1540**	***18***
37230	2062	52	1227	0	106	133	22	**1541**	***18***
37595	2063	52	1228	0	107	133	22	**1541**	***18***
37960	2064	52	1228	0	107	133	22	**1542**	***18***
38325	2065	52	1229	0	107	133	22	**1543**	***18***
38690	2066	52	1230	0	107	133	22	**1544**	***18***
39055	2067	52	1230	0	107	133	22	**1545**	***18***
39420	2068	52	1231	0	107	134	22	**1545**	***18***
39785	2069	52	1231	0	107	134	22	**1546**	***18***
40150	2070	52	1232	0	107	134	22	**1547**	***18***

B-2(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
40515	2071	52	1232	0	107	134	22	**1547**	***18***
40880	2072	52	1233	0	107	134	22	**1548**	***18***
41245	2073	52	1233	0	107	134	22	**1548**	***18***
41610	2074	52	1234	0	107	134	22	**1549**	***18***
41975	2075	52	1234	0	107	134	22	**1549**	***18***
42340	2076	53	1234	0	107	134	22	**1550**	***18***
42705	2077	53	1235	0	107	134	22	**1550**	***18***
43070	2078	53	1235	0	107	134	22	**1551**	***18***
43435	2079	53	1236	0	107	134	22	**1551**	***18***
43800	2080	53	1236	0	107	134	22	**1552**	***18***
44165	2081	53	1236	0	107	134	22	**1552**	***18***
44530	2082	53	1237	0	107	134	22	**1553**	***18***
44895	2083	53	1237	0	107	134	22	**1553**	***18***
45260	2084	53	1237	0	107	134	22	**1554**	***18***
45625	2085	53	1237	0	107	134	22	**1554**	***18***
45990	2086	53	1238	0	107	134	22	**1554**	***18***
46355	2087	53	1238	0	107	134	22	**1555**	***18***
46720	2088	53	1238	0	107	134	22	**1555**	***18***
47085	2089	53	1238	0	107	134	22	**1555**	***18***
47450	2090	53	1239	0	107	134	22	**1556**	***18***
47815	2091	53	1239	0	107	134	22	**1556**	***18***
48180	2092	53	1239	0	107	135	22	**1556**	***18***
48545	2093	53	1239	0	107	135	22	**1557**	***18***
48910	2094	53	1240	0	107	135	22	**1557**	***18***
49275	2095	53	1240	0	108	135	22	**1557**	***18***
49640	2096	53	1240	0	108	135	22	**1557**	***18***
50005	2097	53	1240	0	108	135	22	**1558**	***18***
50370	2098	53	1240	0	108	135	22	**1558**	***18***
50735	2099	53	1241	0	108	135	22	**1558**	***18***
51100	2100	53	1241	0	108	135	22	**1558**	***18***
51465	2101	53	1241	0	108	135	22	**1559**	***18***
51830	2102	53	1241	0	108	135	22	**1559**	***18***
52195	2103	53	1241	0	108	135	22	**1559**	***18***
52560	2104	53	1241	0	108	135	22	**1559**	***18***
52925	2105	53	1242	0	108	135	22	**1559**	***18***
53290	2106	53	1242	0	108	135	22	**1560**	***18***

B-2(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1961	1.1	1.2	0.0	1.2	0.9	0.2	4.5
730	1962	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1095	1963	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1460	1964	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1825	1965	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2190	1966	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2555	1967	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2920	1968	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3285	1969	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3650	1970	1.1	1.2	0.0	1.2	0.8	0.2	4.6
4015	1971	1.2	1.2	0.0	1.2	0.8	0.2	4.6
4380	1972	1.2	1.2	0.0	1.2	0.8	0.2	4.7
4745	1973	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5110	1974	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5475	1975	1.2	1.2	0.0	1.3	0.8	0.2	4.7
5840	1976	1.2	1.2	0.0	1.3	0.8	0.2	4.7
6205	1977	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6570	1978	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6935	1979	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7300	1980	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7665	1981	1.2	1.3	0.0	1.3	0.9	0.2	4.7
8030	1982	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8395	1983	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8760	1984	1.2	1.8	0.0	1.3	0.9	0.2	5.3
9125	1985	1.2	1.9	0.0	1.3	1.0	0.2	5.5
9490	1986	1.2	2.3	0.0	1.3	1.0	0.2	6.0
9855	1987	1.2	2.5	0.0	1.3	1.1	0.2	6.2
10220	1988	1.2	3.3	0.0	1.3	1.2	0.2	7.1
10585	1989	1.2	3.6	0.0	1.3	1.3	0.2	7.5
10950	1990	1.2	3.8	0.0	1.3	1.3	0.2	7.8
11315	1991	1.2	4.0	0.0	1.3	1.3	0.2	8.1
11680	1992	1.2	4.2	0.0	1.3	1.4	0.2	8.3
12045	1993	1.2	4.4	0.0	1.3	1.4	0.2	8.5
12410	1994	1.2	4.5	0.0	1.3	1.4	0.2	8.7
12775	1995	1.2	4.7	0.0	1.3	1.5	0.2	8.9
13140	1996	1.2	4.8	0.0	1.3	1.5	0.2	9.0
13505	1997	1.2	4.9	0.0	1.3	1.5	0.2	9.2
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
13870	1998	1.2	5.1	0.0	1.3	1.5	0.2	9.3
14235	1999	1.2	5.2	0.0	1.3	1.6	0.2	9.5
14600	2000	1.2	5.3	0.0	1.3	1.6	0.2	9.6
14965	2001	1.2	5.4	0.0	1.3	1.6	0.2	9.7
15330	2002	1.0	4.8	0.0	1.3	1.3	0.2	8.6
15695	2003	1.0	4.6	0.0	1.2	1.2	0.2	8.2
16060	2004	0.9	4.5	0.0	1.2	1.1	0.2	7.9
16425	2005	0.9	4.4	0.0	1.1	1.1	0.2	7.8
16790	2006	0.8	4.4	0.0	1.1	1.1	0.2	7.6
17155	2007	0.8	4.5	0.0	1.1	1.1	0.2	7.7
17520	2008	0.8	4.5	0.0	1.1	1.1	0.2	7.7
17885	2009	0.8	4.9	0.0	1.1	1.1	0.2	8.1
18250	2010	0.8	5.2	0.0	1.1	1.2	0.2	8.4
18615	2011	0.8	5.3	0.0	1.1	1.2	0.2	8.5
18980	2012	0.8	5.4	0.0	1.1	1.2	0.2	8.6
19345	2013	0.8	5.5	0.0	1.1	1.2	0.2	8.7
19710	2014	0.8	5.5	0.0	1.1	1.2	0.2	8.8
20075	2015	0.8	5.6	0.0	1.1	1.2	0.2	8.8
20440	2016	0.8	5.6	0.0	1.1	1.2	0.2	8.9
20805	2017	0.8	5.7	0.0	1.1	1.2	0.2	8.9
21170	2018	0.8	5.7	0.0	1.0	1.2	0.2	9.0
21535	2019	0.8	5.7	0.0	1.0	1.2	0.2	9.0
21900	2020	0.8	5.7	0.0	1.0	1.2	0.2	9.0
22265	2021	0.8	5.8	0.0	1.0	1.3	0.2	9.0
22630	2022	0.8	5.8	0.0	1.0	1.3	0.2	9.1
22995	2023	0.8	5.8	0.0	1.0	1.3	0.2	9.1
23360	2024	0.8	5.8	0.0	1.0	1.3	0.2	9.1
23725	2025	0.8	5.8	0.0	1.0	1.3	0.2	9.1
24090	2026	0.8	5.9	0.0	1.0	1.3	0.2	9.2
24455	2027	0.8	5.9	0.0	1.0	1.3	0.2	9.2
24820	2028	0.8	5.9	0.0	1.0	1.3	0.2	9.2
25185	2029	0.8	5.9	0.0	1.0	1.3	0.2	9.2
25550	2030	0.8	5.9	0.0	1.0	1.3	0.2	9.2
25915	2031	0.8	5.9	0.0	1.0	1.3	0.2	9.2
26280	2032	0.8	5.9	0.0	1.0	1.3	0.2	9.3
26645	2033	0.8	6.0	0.0	1.1	1.3	0.2	9.3
27010	2034	0.8	6.0	0.0	1.1	1.3	0.2	9.3
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

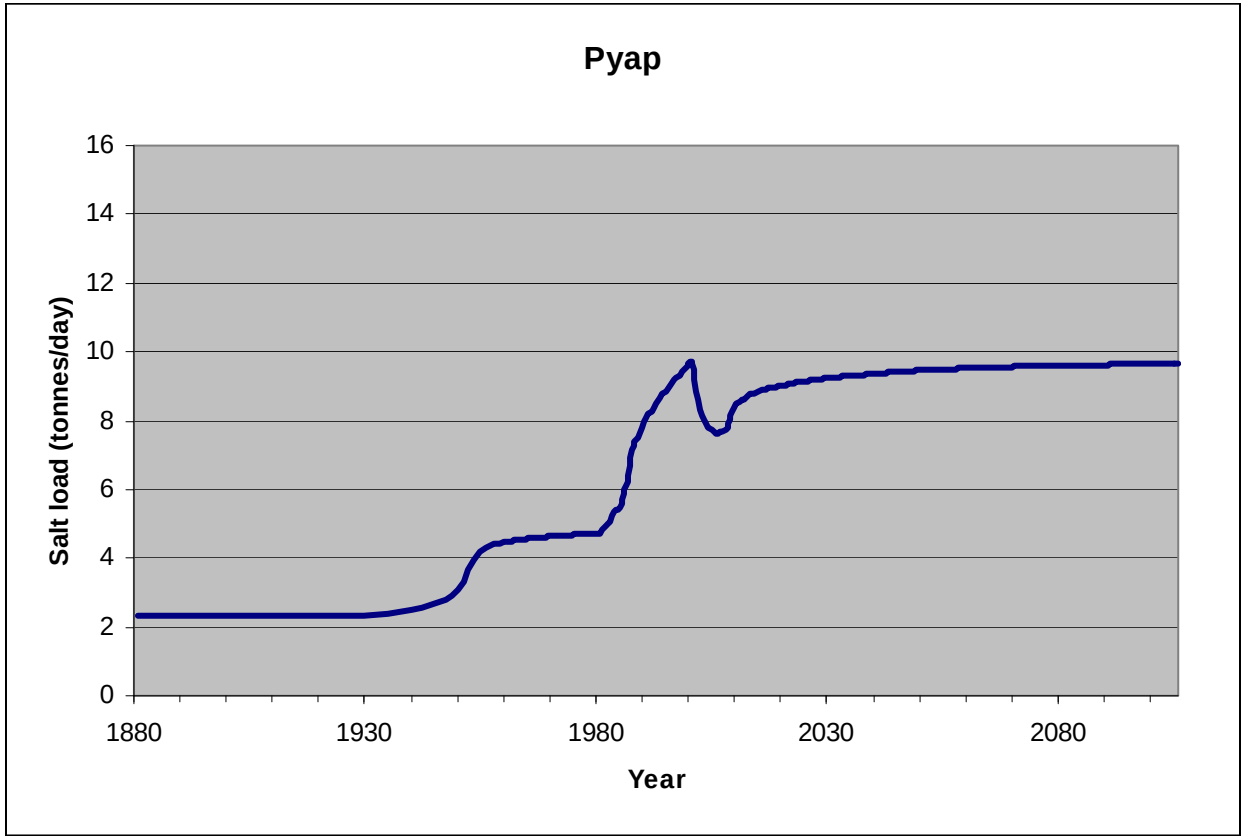
B-2(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
27375	2035	0.8	6.0	0.0	1.1	1.3	0.2	9.3
27740	2036	0.8	6.0	0.0	1.1	1.3	0.2	9.3
28105	2037	0.8	6.0	0.0	1.1	1.3	0.2	9.3
28470	2038	0.8	6.0	0.0	1.1	1.3	0.2	9.3
28835	2039	0.8	6.0	0.0	1.1	1.3	0.2	9.3
29200	2040	0.8	6.0	0.0	1.1	1.3	0.2	9.4
29565	2041	0.8	6.0	0.0	1.1	1.3	0.2	9.4
29930	2042	0.8	6.0	0.0	1.1	1.3	0.2	9.4
30295	2043	0.8	6.0	0.0	1.1	1.3	0.2	9.4
30660	2044	0.8	6.0	0.0	1.1	1.3	0.2	9.4
31025	2045	0.8	6.1	0.0	1.1	1.3	0.2	9.4
31390	2046	0.8	6.1	0.0	1.1	1.3	0.2	9.4
31755	2047	0.8	6.1	0.0	1.1	1.3	0.2	9.4
32120	2048	0.8	6.1	0.0	1.1	1.3	0.2	9.4
32485	2049	0.8	6.1	0.0	1.1	1.3	0.2	9.4
32850	2050	0.8	6.1	0.0	1.1	1.3	0.2	9.5
33215	2051	0.8	6.1	0.0	1.1	1.3	0.2	9.5
33580	2052	0.8	6.1	0.0	1.1	1.3	0.2	9.5
33945	2053	0.8	6.1	0.0	1.1	1.3	0.2	9.5
34310	2054	0.8	6.1	0.0	1.1	1.3	0.2	9.5
34675	2055	0.8	6.1	0.0	1.1	1.3	0.2	9.5
35040	2056	0.8	6.1	0.0	1.1	1.3	0.2	9.5
35405	2057	0.8	6.1	0.0	1.1	1.3	0.2	9.5
35770	2058	0.8	6.1	0.0	1.1	1.3	0.2	9.5
36135	2059	0.8	6.1	0.0	1.1	1.3	0.2	9.5
36500	2060	0.8	6.1	0.0	1.1	1.3	0.2	9.5
36865	2061	0.8	6.1	0.0	1.1	1.3	0.2	9.5
37230	2062	0.8	6.1	0.0	1.1	1.3	0.2	9.5
37595	2063	0.8	6.1	0.0	1.1	1.3	0.2	9.5
37960	2064	0.8	6.1	0.0	1.1	1.3	0.2	9.5
38325	2065	0.8	6.1	0.0	1.1	1.3	0.2	9.5
38690	2066	0.8	6.1	0.0	1.1	1.3	0.2	9.6
39055	2067	0.8	6.2	0.0	1.1	1.3	0.2	9.6
39420	2068	0.8	6.2	0.0	1.1	1.3	0.2	9.6
39785	2069	0.8	6.2	0.0	1.1	1.3	0.2	9.6
40150	2070	0.8	6.2	0.0	1.1	1.3	0.2	9.6
40515	2071	0.8	6.2	0.0	1.1	1.3	0.2	9.6
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
40880	2072	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
41245	2073	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
41610	2074	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
41975	2075	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
42340	2076	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
42705	2077	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
43070	2078	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
43435	2079	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
43800	2080	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
44165	2081	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
44530	2082	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
44895	2083	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
45260	2084	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
45625	2085	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
45990	2086	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
46355	2087	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
46720	2088	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
47085	2089	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
47450	2090	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
47815	2091	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
48180	2092	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
48545	2093	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
48910	2094	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
49275	2095	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
49640	2096	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
50005	2097	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
50370	2098	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
50735	2099	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
51100	2100	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
51465	2101	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
51830	2102	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
52195	2103	0.8	6.2	0.0	1.1	1.3	0.2	**9.6**
52560	2104	0.8	6.2	0.0	1.1	1.3	0.2	**9.7**
52925	2105	0.8	6.2	0.0	1.1	1.3	0.2	**9.7**
53290	2106	0.8	6.2	0.0	1.1	1.3	0.2	**9.7**
Salinity (mg/L)		***15,000***	***5,000***	***10,000***	***10,000***	***10,000***	***10,000***	

B-2(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3A)



B-2(S3A). Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1961	72	241	0	119	85	18	**535**	***6***
730	1962	73	240	0	120	84	18	**534**	***6***
1095	1963	74	240	0	121	83	18	**535**	***6***
1460	1964	74	240	0	121	83	18	**537**	***6***
1825	1965	75	241	0	122	84	18	**539**	***6***
2190	1966	75	242	0	122	84	18	**541**	***6***
2555	1967	76	243	0	123	84	18	**543**	***6***
2920	1968	76	243	0	123	84	18	**544**	***6***
3285	1969	76	244	0	124	84	18	**546**	***6***
3650	1970	77	245	0	124	84	18	**547**	***6***
4015	1971	77	246	0	124	84	18	**549**	***6***
4380	1972	77	246	0	124	84	18	**550**	***6***
4745	1973	77	247	0	125	85	18	**551**	***6***
5110	1974	77	247	0	125	85	18	**552**	***6***
5475	1975	78	248	0	125	85	18	**554**	***6***
5840	1976	78	249	0	125	85	18	**555**	***6***
6205	1977	78	249	0	125	85	18	**556**	***6***
6570	1978	78	250	0	126	85	18	**557**	***6***
6935	1979	78	250	0	126	85	18	**557**	***6***
7300	1980	78	251	0	126	85	18	**558**	***6***
7665	1981	78	251	0	126	85	18	**559**	***6***
8030	1982	78	291	0	126	89	18	**602**	***7***
8395	1983	79	304	0	126	90	18	**617**	***7***
8760	1984	79	352	0	126	94	18	**670**	***8***
9125	1985	79	372	0	127	96	18	**692**	***8***
9490	1986	79	466	0	127	104	19	**795**	***9***
9855	1987	79	505	0	127	108	19	**837**	***10***
10220	1988	79	656	0	128	120	19	**1002**	***12***
10585	1989	79	720	0	128	126	19	**1073**	***12***
10950	1990	80	768	0	128	131	19	**1125**	***13***
11315	1991	80	808	0	129	134	19	**1170**	***14***
11680	1992	80	845	0	129	138	19	**1211**	***14***
12045	1993	80	878	0	130	141	19	**1248**	***14***
12410	1994	80	908	0	130	144	20	**1282**	***15***
12775	1995	81	937	0	130	146	20	**1314**	***15***
13140	1996	81	964	0	131	149	20	**1344**	***16***
13505	1997	81	988	0	131	151	20	**1372**	***16***
13870	1998	81	1012	0	132	153	20	**1398**	***16***

B-2(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
14235	**1999**	82	1034	0	132	155	20	**1423**	***16***
14600	**2000**	82	1055	0	132	157	20	**1446**	***17***
14965	**2001**	82	1075	0	133	159	20	**1468**	***17***
15330	**2002**	66	865	0	123	123	20	**1196**	***14***
15695	**2003**	58	801	0	115	105	20	**1099**	***13***
16060	**2004**	53	761	0	110	98	20	**1042**	***12***
16425	**2005**	50	731	0	106	93	20	**1001**	***12***
16790	**2006**	48	707	0	103	90	20	**969**	***11***
17155	**2007**	46	711	0	101	89	20	**968**	***11***
17520	**2008**	45	709	0	100	88	20	**961**	***11***
17885	**2009**	44	728	0	98	88	20	**978**	***11***
18250	**2010**	43	736	0	97	88	20	**984**	***11***
18615	**2011**	43	738	0	96	88	20	**984**	***11***
18980	**2012**	42	738	0	96	87	20	**983**	***11***
19345	**2013**	41	737	0	95	87	20	**980**	***11***
19710	**2014**	41	736	0	94	87	20	**977**	***11***
20075	**2015**	41	733	0	94	86	20	**974**	***11***
20440	**2016**	40	731	0	94	86	20	**971**	***11***
20805	**2017**	40	729	0	93	86	20	**968**	***11***
21170	**2018**	40	726	0	93	85	20	**964**	***11***
21535	**2019**	40	724	0	93	85	20	**961**	***11***
21900	**2020**	40	722	0	92	85	20	**959**	***11***
22265	**2021**	39	720	0	92	85	20	**956**	***11***
22630	**2022**	39	718	0	92	84	20	**953**	***11***
22995	**2023**	39	716	0	92	84	20	**951**	***11***
23360	**2024**	39	714	0	92	84	20	**949**	***11***
23725	**2025**	39	712	0	92	84	20	**947**	***11***
24090	**2026**	39	711	0	92	84	20	**945**	***11***
24455	**2027**	39	709	0	91	84	20	**943**	***11***
24820	**2028**	39	708	0	91	83	20	**941**	***11***
25185	**2029**	39	706	0	91	83	20	**939**	***11***
25550	**2030**	39	705	0	91	83	20	**938**	***11***
25915	**2031**	39	704	0	91	83	20	**936**	***11***
26280	**2032**	39	703	0	91	83	20	**935**	***11***
26645	**2033**	38	702	0	91	83	20	**934**	***11***
27010	**2034**	38	701	0	91	83	20	**933**	***11***

B-2(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
14235	1999	82	1034	0	132	155	20	1423	16
14600	2000	82	1055	0	132	157	20	1446	17
14965	2001	82	1075	0	133	159	20	1468	17
15330	2002	66	865	0	123	123	20	1196	14
15695	2003	58	801	0	115	105	20	1099	13
16060	2004	53	761	0	110	98	20	1042	12
16425	2005	50	731	0	106	93	20	1001	12
16790	2006	48	707	0	103	90	20	969	11
17155	2007	46	711	0	101	89	20	968	11
17520	2008	45	709	0	100	88	20	961	11
17885	2009	44	728	0	98	88	20	978	11
18250	2010	43	736	0	97	88	20	984	11
18615	2011	43	738	0	96	88	20	984	11
18980	2012	42	738	0	96	87	20	983	11
19345	2013	41	737	0	95	87	20	980	11
19710	2014	41	736	0	94	87	20	977	11
20075	2015	41	733	0	94	86	20	974	11
20440	2016	40	731	0	94	86	20	971	11
20805	2017	40	729	0	93	86	20	968	11
21170	2018	40	726	0	93	85	20	964	11
21535	2019	40	724	0	93	85	20	961	11
21900	2020	40	722	0	92	85	20	959	11
22265	2021	39	720	0	92	85	20	956	11
22630	2022	39	718	0	92	84	20	953	11
22995	2023	39	716	0	92	84	20	951	11
23360	2024	39	714	0	92	84	20	949	11
23725	2025	39	712	0	92	84	20	947	11
24090	2026	39	711	0	92	84	20	945	11
24455	2027	39	709	0	91	84	20	943	11
24820	2028	39	708	0	91	83	20	941	11
25185	2029	39	706	0	91	83	20	939	11
25550	2030	39	705	0	91	83	20	938	11
25915	2031	39	704	0	91	83	20	936	11
26280	2032	39	703	0	91	83	20	935	11
26645	2033	38	702	0	91	83	20	934	11
27010	2034	38	701	0	91	83	20	933	11

B-2(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
40515	2071	38	686	0	90	81	20	**916**	***11***
40880	2072	38	686	0	90	81	20	**916**	***11***
41245	2073	38	686	0	90	81	20	**915**	***11***
41610	2074	38	686	0	90	81	20	**915**	***11***
41975	2075	38	686	0	90	81	20	**915**	***11***
42340	2076	38	686	0	90	81	20	**915**	***11***
42705	2077	38	686	0	90	81	20	**915**	***11***
43070	2078	38	685	0	90	81	20	**915**	***11***
43435	2079	38	685	0	90	81	20	**915**	***11***
43800	2080	38	685	0	90	81	20	**915**	***11***
44165	2081	38	685	0	90	81	20	**915**	***11***
44530	2082	38	685	0	90	81	20	**914**	***11***
44895	2083	38	685	0	90	81	20	**914**	***11***
45260	2084	38	685	0	90	81	20	**914**	***11***
45625	2085	38	685	0	90	81	20	**914**	***11***
45990	2086	38	685	0	90	81	20	**914**	***11***
46355	2087	38	685	0	90	81	20	**914**	***11***
46720	2088	38	685	0	90	81	20	**914**	***11***
47085	2089	38	685	0	90	81	20	**914**	***11***
47450	2090	38	685	0	90	81	20	**914**	***11***
47815	2091	38	685	0	90	81	20	**914**	***11***
48180	2092	38	684	0	90	81	20	**914**	***11***
48545	2093	38	684	0	90	81	20	**914**	***11***
48910	2094	38	684	0	90	81	20	**914**	***11***
49275	2095	38	684	0	90	81	20	**914**	***11***
49640	2096	38	684	0	90	81	20	**914**	***11***
50005	2097	38	684	0	90	81	20	**914**	***11***
50370	2098	38	684	0	90	81	20	**913**	***11***
50735	2099	38	684	0	90	81	20	**913**	***11***
51100	2100	38	684	0	90	81	20	**913**	***11***
51465	2101	38	684	0	90	81	20	**913**	***11***
51830	2102	38	684	0	90	81	20	**913**	***11***
52195	2103	38	684	0	90	81	20	**913**	***11***
52560	2104	38	684	0	90	81	20	**913**	***11***
52925	2105	38	684	0	90	81	20	**913**	***11***
53290	2106	38	684	0	90	81	20	**913**	***11***

B-2(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1961	1.1	1.2	0.0	1.2	0.9	0.2	4.5
730	1962	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1095	1963	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1460	1964	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1825	1965	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2190	1966	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2555	1967	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2920	1968	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3285	1969	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3650	1970	1.1	1.2	0.0	1.2	0.8	0.2	4.6
4015	1971	1.2	1.2	0.0	1.2	0.8	0.2	4.6
4380	1972	1.2	1.2	0.0	1.2	0.8	0.2	4.7
4745	1973	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5110	1974	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5475	1975	1.2	1.2	0.0	1.3	0.8	0.2	4.7
5840	1976	1.2	1.2	0.0	1.3	0.8	0.2	4.7
6205	1977	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6570	1978	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6935	1979	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7300	1980	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7665	1981	1.2	1.3	0.0	1.3	0.9	0.2	4.7
8030	1982	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8395	1983	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8760	1984	1.2	1.8	0.0	1.3	0.9	0.2	5.3
9125	1985	1.2	1.9	0.0	1.3	1.0	0.2	5.5
9490	1986	1.2	2.3	0.0	1.3	1.0	0.2	6.0
9855	1987	1.2	2.5	0.0	1.3	1.1	0.2	6.2
10220	1988	1.2	3.3	0.0	1.3	1.2	0.2	7.1
10585	1989	1.2	3.6	0.0	1.3	1.3	0.2	7.5
10950	1990	1.2	3.8	0.0	1.3	1.3	0.2	7.8
11315	1991	1.2	4.0	0.0	1.3	1.3	0.2	8.1
11680	1992	1.2	4.2	0.0	1.3	1.4	0.2	8.3
12045	1993	1.2	4.4	0.0	1.3	1.4	0.2	8.5
12410	1994	1.2	4.5	0.0	1.3	1.4	0.2	8.7
12775	1995	1.2	4.7	0.0	1.3	1.5	0.2	8.9
13140	1996	1.2	4.8	0.0	1.3	1.5	0.2	9.0
13505	1997	1.2	4.9	0.0	1.3	1.5	0.2	9.2
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
13870	1998	1.2	5.1	0.0	1.3	1.5	0.2	9.3
14235	1999	1.2	5.2	0.0	1.3	1.6	0.2	9.5
14600	2000	1.2	5.3	0.0	1.3	1.6	0.2	9.6
14965	2001	1.2	5.4	0.0	1.3	1.6	0.2	9.7
15330	2002	1.0	4.3	0.0	1.2	1.2	0.2	8.0
15695	2003	0.9	4.0	0.0	1.1	1.1	0.2	7.3
16060	2004	0.8	3.8	0.0	1.1	1.0	0.2	6.9
16425	2005	0.8	3.7	0.0	1.1	0.9	0.2	6.6
16790	2006	0.7	3.5	0.0	1.0	0.9	0.2	6.4
17155	2007	0.7	3.6	0.0	1.0	0.9	0.2	6.4
17520	2008	0.7	3.5	0.0	1.0	0.9	0.2	6.3
17885	2009	0.7	3.6	0.0	1.0	0.9	0.2	6.4
18250	2010	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18615	2011	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18980	2012	0.6	3.7	0.0	1.0	0.9	0.2	6.3
19345	2013	0.6	3.7	0.0	0.9	0.9	0.2	6.3
19710	2014	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20075	2015	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20440	2016	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20805	2017	0.6	3.6	0.0	0.9	0.9	0.2	6.2
21170	2018	0.6	3.6	0.0	0.9	0.9	0.2	6.2
21535	2019	0.6	3.6	0.0	0.9	0.9	0.2	6.2
21900	2020	0.6	3.6	0.0	0.9	0.8	0.2	6.2
22265	2021	0.6	3.6	0.0	0.9	0.8	0.2	6.2
22630	2022	0.6	3.6	0.0	0.9	0.8	0.2	6.1
22995	2023	0.6	3.6	0.0	0.9	0.8	0.2	6.1
23360	2024	0.6	3.6	0.0	0.9	0.8	0.2	6.1
23725	2025	0.6	3.6	0.0	0.9	0.8	0.2	6.1
24090	2026	0.6	3.6	0.0	0.9	0.8	0.2	6.1
24455	2027	0.6	3.5	0.0	0.9	0.8	0.2	6.1
24820	2028	0.6	3.5	0.0	0.9	0.8	0.2	6.1
25185	2029	0.6	3.5	0.0	0.9	0.8	0.2	6.1
25550	2030	0.6	3.5	0.0	0.9	0.8	0.2	6.0
25915	2031	0.6	3.5	0.0	0.9	0.8	0.2	6.0
26280	2032	0.6	3.5	0.0	0.9	0.8	0.2	6.0
26645	2033	0.6	3.5	0.0	0.9	0.8	0.2	6.0
27010	2034	0.6	3.5	0.0	0.9	0.8	0.2	6.0
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

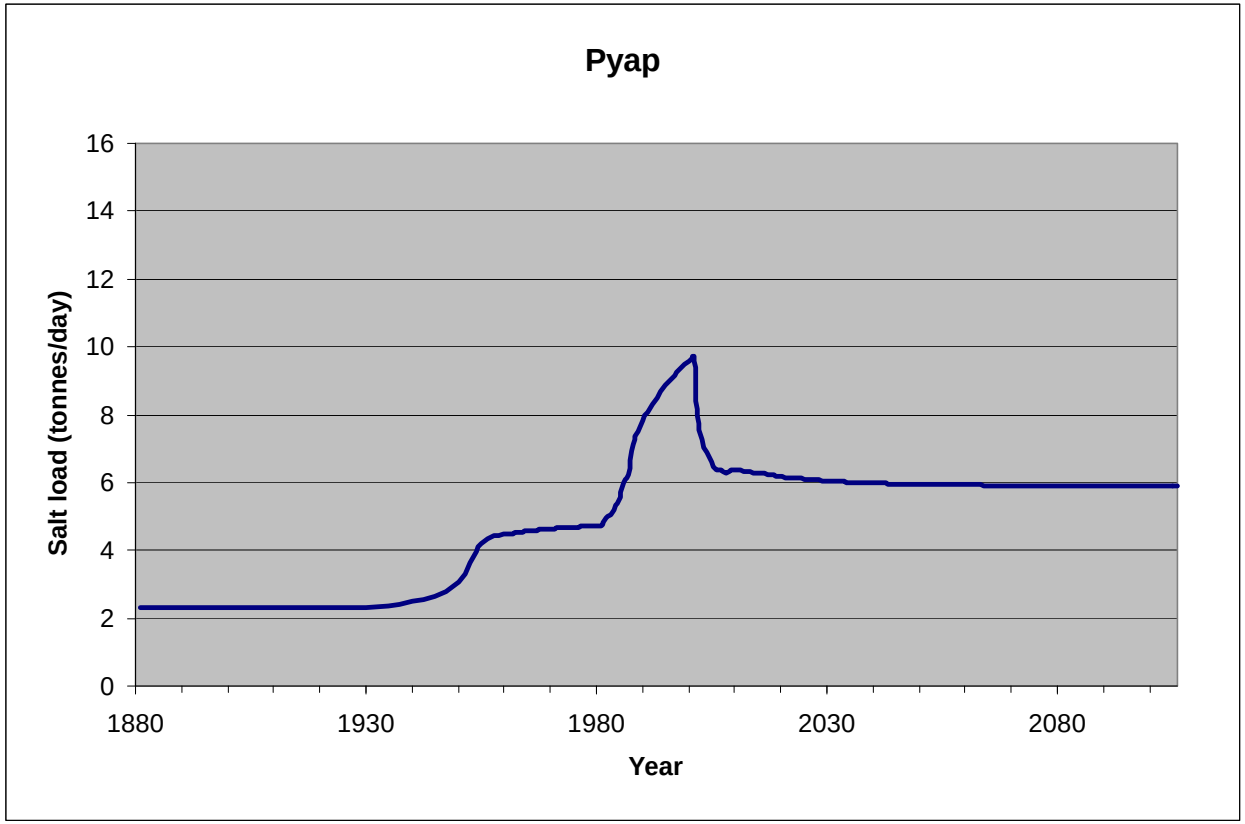
B-2(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
27375	2035	0.6	3.5	0.0	0.9	0.8	0.2	6.0
27740	2036	0.6	3.5	0.0	0.9	0.8	0.2	6.0
28105	2037	0.6	3.5	0.0	0.9	0.8	0.2	6.0
28470	2038	0.6	3.5	0.0	0.9	0.8	0.2	6.0
28835	2039	0.6	3.5	0.0	0.9	0.8	0.2	6.0
29200	2040	0.6	3.5	0.0	0.9	0.8	0.2	6.0
29565	2041	0.6	3.5	0.0	0.9	0.8	0.2	6.0
29930	2042	0.6	3.5	0.0	0.9	0.8	0.2	6.0
30295	2043	0.6	3.5	0.0	0.9	0.8	0.2	6.0
30660	2044	0.6	3.5	0.0	0.9	0.8	0.2	6.0
31025	2045	0.6	3.5	0.0	0.9	0.8	0.2	6.0
31390	2046	0.6	3.5	0.0	0.9	0.8	0.2	6.0
31755	2047	0.6	3.5	0.0	0.9	0.8	0.2	6.0
32120	2048	0.6	3.5	0.0	0.9	0.8	0.2	6.0
32485	2049	0.6	3.5	0.0	0.9	0.8	0.2	5.9
32850	2050	0.6	3.5	0.0	0.9	0.8	0.2	5.9
33215	2051	0.6	3.5	0.0	0.9	0.8	0.2	5.9
33580	2052	0.6	3.5	0.0	0.9	0.8	0.2	5.9
33945	2053	0.6	3.4	0.0	0.9	0.8	0.2	5.9
34310	2054	0.6	3.4	0.0	0.9	0.8	0.2	5.9
34675	2055	0.6	3.4	0.0	0.9	0.8	0.2	5.9
35040	2056	0.6	3.4	0.0	0.9	0.8	0.2	5.9
35405	2057	0.6	3.4	0.0	0.9	0.8	0.2	5.9
35770	2058	0.6	3.4	0.0	0.9	0.8	0.2	5.9
36135	2059	0.6	3.4	0.0	0.9	0.8	0.2	5.9
36500	2060	0.6	3.4	0.0	0.9	0.8	0.2	5.9
36865	2061	0.6	3.4	0.0	0.9	0.8	0.2	5.9
37230	2062	0.6	3.4	0.0	0.9	0.8	0.2	5.9
37595	2063	0.6	3.4	0.0	0.9	0.8	0.2	5.9
37960	2064	0.6	3.4	0.0	0.9	0.8	0.2	5.9
38325	2065	0.6	3.4	0.0	0.9	0.8	0.2	5.9
38690	2066	0.6	3.4	0.0	0.9	0.8	0.2	5.9
39055	2067	0.6	3.4	0.0	0.9	0.8	0.2	5.9
39420	2068	0.6	3.4	0.0	0.9	0.8	0.2	5.9
39785	2069	0.6	3.4	0.0	0.9	0.8	0.2	5.9
40150	2070	0.6	3.4	0.0	0.9	0.8	0.2	5.9
40515	2071	0.6	3.4	0.0	0.9	0.8	0.2	5.9
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
40880	2072	0.6	3.4	0.0	0.9	0.8	0.2	5.9
41245	2073	0.6	3.4	0.0	0.9	0.8	0.2	5.9
41610	2074	0.6	3.4	0.0	0.9	0.8	0.2	5.9
41975	2075	0.6	3.4	0.0	0.9	0.8	0.2	5.9
42340	2076	0.6	3.4	0.0	0.9	0.8	0.2	5.9
42705	2077	0.6	3.4	0.0	0.9	0.8	0.2	5.9
43070	2078	0.6	3.4	0.0	0.9	0.8	0.2	5.9
43435	2079	0.6	3.4	0.0	0.9	0.8	0.2	5.9
43800	2080	0.6	3.4	0.0	0.9	0.8	0.2	5.9
44165	2081	0.6	3.4	0.0	0.9	0.8	0.2	5.9
44530	2082	0.6	3.4	0.0	0.9	0.8	0.2	5.9
44895	2083	0.6	3.4	0.0	0.9	0.8	0.2	5.9
45260	2084	0.6	3.4	0.0	0.9	0.8	0.2	5.9
45625	2085	0.6	3.4	0.0	0.9	0.8	0.2	5.9
45990	2086	0.6	3.4	0.0	0.9	0.8	0.2	5.9
46355	2087	0.6	3.4	0.0	0.9	0.8	0.2	5.9
46720	2088	0.6	3.4	0.0	0.9	0.8	0.2	5.9
47085	2089	0.6	3.4	0.0	0.9	0.8	0.2	5.9
47450	2090	0.6	3.4	0.0	0.9	0.8	0.2	5.9
47815	2091	0.6	3.4	0.0	0.9	0.8	0.2	5.9
48180	2092	0.6	3.4	0.0	0.9	0.8	0.2	5.9
48545	2093	0.6	3.4	0.0	0.9	0.8	0.2	5.9
48910	2094	0.6	3.4	0.0	0.9	0.8	0.2	5.9
49275	2095	0.6	3.4	0.0	0.9	0.8	0.2	5.9
49640	2096	0.6	3.4	0.0	0.9	0.8	0.2	5.9
50005	2097	0.6	3.4	0.0	0.9	0.8	0.2	5.9
50370	2098	0.6	3.4	0.0	0.9	0.8	0.2	5.9
50735	2099	0.6	3.4	0.0	0.9	0.8	0.2	5.9
51100	2100	0.6	3.4	0.0	0.9	0.8	0.2	5.9
51465	2101	0.6	3.4	0.0	0.9	0.8	0.2	5.9
51830	2102	0.6	3.4	0.0	0.9	0.8	0.2	5.9
52195	2103	0.6	3.4	0.0	0.9	0.8	0.2	5.9
52560	2104	0.6	3.4	0.0	0.9	0.8	0.2	5.9
52925	2105	0.6	3.4	0.0	0.9	0.8	0.2	5.9
53290	2106	0.6	3.4	0.0	0.9	0.8	0.2	5.9
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3B)



B-2(S3B). Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1961	72	241	0	119	85	18	**535**	*6*
730	1962	73	240	0	120	84	18	**534**	*6*
1095	1963	74	240	0	121	83	18	**535**	*6*
1460	1964	74	240	0	121	83	18	**537**	*6*
1825	1965	75	241	0	122	84	18	**539**	*6*
2190	1966	75	242	0	122	84	18	**541**	*6*
2555	1967	76	243	0	123	84	18	**543**	*6*
2920	1968	76	243	0	123	84	18	**544**	*6*
3285	1969	76	244	0	124	84	18	**546**	*6*
3650	1970	77	245	0	124	84	18	**547**	*6*
4015	1971	77	246	0	124	84	18	**549**	*6*
4380	1972	77	246	0	124	84	18	**550**	*6*
4745	1973	77	247	0	125	85	18	**551**	*6*
5110	1974	77	247	0	125	85	18	**552**	*6*
5475	1975	78	248	0	125	85	18	**554**	*6*
5840	1976	78	249	0	125	85	18	**555**	*6*
6205	1977	78	249	0	125	85	18	**556**	*6*
6570	1978	78	250	0	126	85	18	**557**	*6*
6935	1979	78	250	0	126	85	18	**557**	*6*
7300	1980	78	251	0	126	85	18	**558**	*6*
7665	1981	78	251	0	126	85	18	**559**	*6*
8030	1982	78	291	0	126	89	18	**602**	*7*
8395	1983	79	304	0	126	90	18	**617**	*7*
8760	1984	79	352	0	126	94	18	**670**	*8*
9125	1985	79	372	0	127	96	18	**692**	*8*
9490	1986	79	466	0	127	104	19	**795**	*9*
9855	1987	79	505	0	127	108	19	**837**	*10*
10220	1988	79	656	0	128	120	19	**1002**	*12*
10585	1989	79	720	0	128	126	19	**1073**	*12*
10950	1990	80	768	0	128	131	19	**1125**	*13*
11315	1991	80	808	0	129	134	19	**1170**	*14*
11680	1992	80	845	0	129	138	19	**1211**	*14*
12045	1993	80	878	0	130	141	19	**1248**	*14*
12410	1994	80	908	0	130	144	20	**1282**	*15*
12775	1995	81	937	0	130	146	20	**1314**	*15*
13140	1996	81	964	0	131	149	20	**1344**	*16*
13505	1997	81	988	0	131	151	20	**1372**	*16*
13870	1998	81	1012	0	132	153	20	**1398**	*16*

B-2(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
14235	**1999**	82	1034	0	132	155	20	**1423**	***16***
14600	**2000**	82	1055	0	132	157	20	**1446**	***17***
14965	**2001**	82	1075	0	133	159	20	**1468**	***17***
15330	**2002**	66	865	0	123	123	20	**1196**	***14***
15695	**2003**	58	801	0	115	105	20	**1099**	***13***
16060	**2004**	53	761	0	110	98	20	**1042**	***12***
16425	**2005**	50	731	0	106	93	20	**1001**	***12***
16790	**2006**	48	707	0	103	90	20	**969**	***11***
17155	**2007**	46	711	0	101	89	20	**968**	***11***
17520	**2008**	45	709	0	100	88	20	**961**	***11***
17885	**2009**	44	728	0	98	88	20	**978**	***11***
18250	**2010**	43	736	0	97	88	20	**984**	***11***
18615	**2011**	43	738	0	96	88	20	**984**	***11***
18980	**2012**	42	738	0	96	87	20	**983**	***11***
19345	**2013**	41	737	0	95	87	20	**980**	***11***
19710	**2014**	41	736	0	94	87	20	**977**	***11***
20075	**2015**	41	733	0	94	86	20	**974**	***11***
20440	**2016**	40	731	0	94	86	20	**971**	***11***
20805	**2017**	40	729	0	93	86	20	**968**	***11***
21170	**2018**	40	726	0	93	85	20	**964**	***11***
21535	**2019**	40	724	0	93	85	20	**961**	***11***
21900	**2020**	40	722	0	92	85	20	**959**	***11***
22265	**2021**	39	720	0	92	85	20	**956**	***11***
22630	**2022**	39	718	0	92	84	20	**953**	***11***
22995	**2023**	39	716	0	92	84	20	**951**	***11***
23360	**2024**	39	714	0	92	84	20	**949**	***11***
23725	**2025**	39	712	0	92	84	20	**947**	***11***
24090	**2026**	39	711	0	92	84	20	**945**	***11***
24455	**2027**	39	709	0	91	84	20	**943**	***11***
24820	**2028**	39	708	0	91	83	20	**941**	***11***
25185	**2029**	39	706	0	91	83	20	**939**	***11***
25550	**2030**	39	705	0	91	83	20	**938**	***11***
25915	**2031**	39	704	0	91	83	20	**936**	***11***
26280	**2032**	39	703	0	91	83	20	**935**	***11***
26645	**2033**	38	702	0	91	83	20	**934**	***11***
27010	**2034**	38	701	0	91	83	20	**933**	***11***

B-2(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
27375	2035	38	700	0	91	83	20	**932**	***11***
27740	2036	38	699	0	91	83	20	**930**	***11***
28105	2037	38	698	0	91	83	20	**929**	***11***
28470	2038	38	697	0	91	82	20	**929**	***11***
28835	2039	38	697	0	91	82	20	**928**	***11***
29200	2040	38	696	0	91	82	20	**927**	***11***
29565	2041	38	695	0	91	82	20	**926**	***11***
29930	2042	38	695	0	91	82	20	**925**	***11***
30295	2043	38	694	0	91	82	20	**925**	***11***
30660	2044	38	693	0	91	82	20	**924**	***11***
31025	2045	38	693	0	91	82	20	**923**	***11***
31390	2046	38	692	0	90	82	20	**923**	***11***
31755	2047	38	692	0	90	82	20	**922**	***11***
32120	2048	38	692	0	90	82	20	**922**	***11***
32485	2049	38	691	0	90	82	20	**921**	***11***
32850	2050	38	691	0	90	82	20	**921**	***11***
33215	2051	38	690	0	90	82	20	**921**	***11***
33580	2052	38	690	0	90	82	20	**920**	***11***
33945	2053	38	690	0	90	82	20	**920**	***11***
34310	2054	38	689	0	90	82	20	**919**	***11***
34675	2055	38	689	0	90	82	20	**919**	***11***
35040	2056	38	689	0	90	82	20	**919**	***11***
35405	2057	38	689	0	90	82	20	**918**	***11***
35770	2058	38	688	0	90	82	20	**918**	***11***
36135	2059	38	688	0	90	82	20	**918**	***11***
36500	2060	38	688	0	90	82	20	**918**	***11***
36865	2061	38	688	0	90	81	20	**917**	***11***
37230	2062	38	688	0	90	81	20	**917**	***11***
37595	2063	38	687	0	90	81	20	**917**	***11***
37960	2064	38	687	0	90	81	20	**917**	***11***
38325	2065	38	687	0	90	81	20	**917**	***11***
38690	2066	38	687	0	90	81	20	**916**	***11***
39055	2067	38	687	0	90	81	20	**916**	***11***
39420	2068	38	687	0	90	81	20	**916**	***11***
39785	2069	38	686	0	90	81	20	**916**	***11***
40150	2070	38	686	0	90	81	20	**916**	***11***

B-2(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
40515	2071	38	686	0	90	81	20	**916**	***11***
40880	2072	38	686	0	90	81	20	**916**	***11***
41245	2073	38	686	0	90	81	20	**915**	***11***
41610	2074	38	686	0	90	81	20	**915**	***11***
41975	2075	38	686	0	90	81	20	**915**	***11***
42340	2076	38	686	0	90	81	20	**915**	***11***
42705	2077	38	686	0	90	81	20	**915**	***11***
43070	2078	38	685	0	90	81	20	**915**	***11***
43435	2079	38	685	0	90	81	20	**915**	***11***
43800	2080	38	685	0	90	81	20	**915**	***11***
44165	2081	38	685	0	90	81	20	**915**	***11***
44530	2082	38	685	0	90	81	20	**914**	***11***
44895	2083	38	685	0	90	81	20	**914**	***11***
45260	2084	38	685	0	90	81	20	**914**	***11***
45625	2085	38	685	0	90	81	20	**914**	***11***
45990	2086	38	685	0	90	81	20	**914**	***11***
46355	2087	38	685	0	90	81	20	**914**	***11***
46720	2088	38	685	0	90	81	20	**914**	***11***
47085	2089	38	685	0	90	81	20	**914**	***11***
47450	2090	38	685	0	90	81	20	**914**	***11***
47815	2091	38	685	0	90	81	20	**914**	***11***
48180	2092	38	684	0	90	81	20	**914**	***11***
48545	2093	38	684	0	90	81	20	**914**	***11***
48910	2094	38	684	0	90	81	20	**914**	***11***
49275	2095	38	684	0	90	81	20	**914**	***11***
49640	2096	38	684	0	90	81	20	**914**	***11***
50005	2097	38	684	0	90	81	20	**914**	***11***
50370	2098	38	684	0	90	81	20	**913**	***11***
50735	2099	38	684	0	90	81	20	**913**	***11***
51100	2100	38	684	0	90	81	20	**913**	***11***
51465	2101	38	684	0	90	81	20	**913**	***11***
51830	2102	38	684	0	90	81	20	**913**	***11***
52195	2103	38	684	0	90	81	20	**913**	***11***
52560	2104	38	684	0	90	81	20	**913**	***11***
52925	2105	38	684	0	90	81	20	**913**	***11***
53290	2106	38	684	0	90	81	20	**913**	***11***

B-2(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1961	1.1	1.2	0.0	1.2	0.9	0.2	4.5
730	1962	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1095	1963	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1460	1964	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1825	1965	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2190	1966	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2555	1967	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2920	1968	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3285	1969	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3650	1970	1.1	1.2	0.0	1.2	0.8	0.2	4.6
4015	1971	1.2	1.2	0.0	1.2	0.8	0.2	4.6
4380	1972	1.2	1.2	0.0	1.2	0.8	0.2	4.7
4745	1973	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5110	1974	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5475	1975	1.2	1.2	0.0	1.3	0.8	0.2	4.7
5840	1976	1.2	1.2	0.0	1.3	0.8	0.2	4.7
6205	1977	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6570	1978	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6935	1979	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7300	1980	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7665	1981	1.2	1.3	0.0	1.3	0.9	0.2	4.7
8030	1982	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8395	1983	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8760	1984	1.2	1.8	0.0	1.3	0.9	0.2	5.3
9125	1985	1.2	1.9	0.0	1.3	1.0	0.2	5.5
9490	1986	1.2	2.3	0.0	1.3	1.0	0.2	6.0
9855	1987	1.2	2.5	0.0	1.3	1.1	0.2	6.2
10220	1988	1.2	3.3	0.0	1.3	1.2	0.2	7.1
10585	1989	1.2	3.6	0.0	1.3	1.3	0.2	7.5
10950	1990	1.2	3.8	0.0	1.3	1.3	0.2	7.8
11315	1991	1.2	4.0	0.0	1.3	1.3	0.2	8.1
11680	1992	1.2	4.2	0.0	1.3	1.4	0.2	8.3
12045	1993	1.2	4.4	0.0	1.3	1.4	0.2	8.5
12410	1994	1.2	4.5	0.0	1.3	1.4	0.2	8.7
12775	1995	1.2	4.7	0.0	1.3	1.5	0.2	8.9
13140	1996	1.2	4.8	0.0	1.3	1.5	0.2	9.0
13505	1997	1.2	4.9	0.0	1.3	1.5	0.2	9.2
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
13870	1998	1.2	5.1	0.0	1.3	1.5	0.2	9.3
14235	1999	1.2	5.2	0.0	1.3	1.6	0.2	9.5
14600	2000	1.2	5.3	0.0	1.3	1.6	0.2	9.6
14965	2001	1.2	5.4	0.0	1.3	1.6	0.2	9.7
15330	2002	1.0	4.3	0.0	1.2	1.2	0.2	8.0
15695	2003	0.9	4.0	0.0	1.1	1.1	0.2	7.3
16060	2004	0.8	3.8	0.0	1.1	1.0	0.2	6.9
16425	2005	0.8	3.7	0.0	1.1	0.9	0.2	6.6
16790	2006	0.7	3.5	0.0	1.0	0.9	0.2	6.4
17155	2007	0.7	3.6	0.0	1.0	0.9	0.2	6.4
17520	2008	0.7	3.5	0.0	1.0	0.9	0.2	6.3
17885	2009	0.7	3.6	0.0	1.0	0.9	0.2	6.4
18250	2010	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18615	2011	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18980	2012	0.6	3.7	0.0	1.0	0.9	0.2	6.3
19345	2013	0.6	3.7	0.0	0.9	0.9	0.2	6.3
19710	2014	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20075	2015	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20440	2016	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20805	2017	0.6	3.6	0.0	0.9	0.9	0.2	6.2
21170	2018	0.6	3.6	0.0	0.9	0.9	0.2	6.2
21535	2019	0.6	3.6	0.0	0.9	0.9	0.2	6.2
21900	2020	0.6	3.6	0.0	0.9	0.8	0.2	6.2
22265	2021	0.6	3.6	0.0	0.9	0.8	0.2	6.2
22630	2022	0.6	3.6	0.0	0.9	0.8	0.2	6.1
22995	2023	0.6	3.6	0.0	0.9	0.8	0.2	6.1
23360	2024	0.6	3.6	0.0	0.9	0.8	0.2	6.1
23725	2025	0.6	3.6	0.0	0.9	0.8	0.2	6.1
24090	2026	0.6	3.6	0.0	0.9	0.8	0.2	6.1
24455	2027	0.6	3.5	0.0	0.9	0.8	0.2	6.1
24820	2028	0.6	3.5	0.0	0.9	0.8	0.2	6.1
25185	2029	0.6	3.5	0.0	0.9	0.8	0.2	6.1
25550	2030	0.6	3.5	0.0	0.9	0.8	0.2	6.0
25915	2031	0.6	3.5	0.0	0.9	0.8	0.2	6.0
26280	2032	0.6	3.5	0.0	0.9	0.8	0.2	6.0
26645	2033	0.6	3.5	0.0	0.9	0.8	0.2	6.0
27010	2034	0.6	3.5	0.0	0.9	0.8	0.2	6.0
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

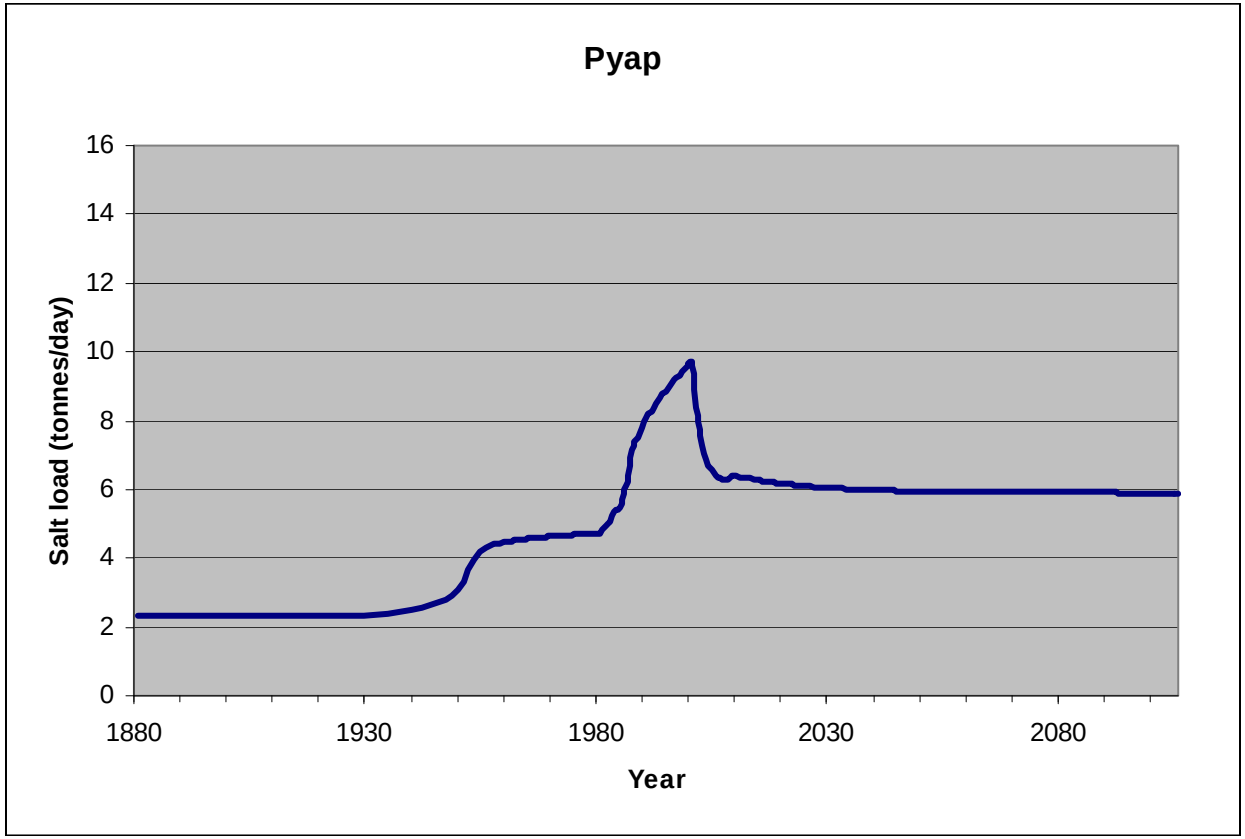
B-2(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
27375	2035	0.6	3.5	0.0	0.9	0.8	0.2	6.0
27740	2036	0.6	3.5	0.0	0.9	0.8	0.2	6.0
28105	2037	0.6	3.5	0.0	0.9	0.8	0.2	6.0
28470	2038	0.6	3.5	0.0	0.9	0.8	0.2	6.0
28835	2039	0.6	3.5	0.0	0.9	0.8	0.2	6.0
29200	2040	0.6	3.5	0.0	0.9	0.8	0.2	6.0
29565	2041	0.6	3.5	0.0	0.9	0.8	0.2	6.0
29930	2042	0.6	3.5	0.0	0.9	0.8	0.2	6.0
30295	2043	0.6	3.5	0.0	0.9	0.8	0.2	6.0
30660	2044	0.6	3.5	0.0	0.9	0.8	0.2	6.0
31025	2045	0.6	3.5	0.0	0.9	0.8	0.2	6.0
31390	2046	0.6	3.5	0.0	0.9	0.8	0.2	6.0
31755	2047	0.6	3.5	0.0	0.9	0.8	0.2	6.0
32120	2048	0.6	3.5	0.0	0.9	0.8	0.2	6.0
32485	2049	0.6	3.5	0.0	0.9	0.8	0.2	5.9
32850	2050	0.6	3.5	0.0	0.9	0.8	0.2	5.9
33215	2051	0.6	3.5	0.0	0.9	0.8	0.2	5.9
33580	2052	0.6	3.5	0.0	0.9	0.8	0.2	5.9
33945	2053	0.6	3.4	0.0	0.9	0.8	0.2	5.9
34310	2054	0.6	3.4	0.0	0.9	0.8	0.2	5.9
34675	2055	0.6	3.4	0.0	0.9	0.8	0.2	5.9
35040	2056	0.6	3.4	0.0	0.9	0.8	0.2	5.9
35405	2057	0.6	3.4	0.0	0.9	0.8	0.2	5.9
35770	2058	0.6	3.4	0.0	0.9	0.8	0.2	5.9
36135	2059	0.6	3.4	0.0	0.9	0.8	0.2	5.9
36500	2060	0.6	3.4	0.0	0.9	0.8	0.2	5.9
36865	2061	0.6	3.4	0.0	0.9	0.8	0.2	5.9
37230	2062	0.6	3.4	0.0	0.9	0.8	0.2	5.9
37595	2063	0.6	3.4	0.0	0.9	0.8	0.2	5.9
37960	2064	0.6	3.4	0.0	0.9	0.8	0.2	5.9
38325	2065	0.6	3.4	0.0	0.9	0.8	0.2	5.9
38690	2066	0.6	3.4	0.0	0.9	0.8	0.2	5.9
39055	2067	0.6	3.4	0.0	0.9	0.8	0.2	5.9
39420	2068	0.6	3.4	0.0	0.9	0.8	0.2	5.9
39785	2069	0.6	3.4	0.0	0.9	0.8	0.2	5.9
40150	2070	0.6	3.4	0.0	0.9	0.8	0.2	5.9
40515	2071	0.6	3.4	0.0	0.9	0.8	0.2	5.9
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
40880	2072	0.6	3.4	0.0	0.9	0.8	0.2	5.9
41245	2073	0.6	3.4	0.0	0.9	0.8	0.2	5.9
41610	2074	0.6	3.4	0.0	0.9	0.8	0.2	5.9
41975	2075	0.6	3.4	0.0	0.9	0.8	0.2	5.9
42340	2076	0.6	3.4	0.0	0.9	0.8	0.2	5.9
42705	2077	0.6	3.4	0.0	0.9	0.8	0.2	5.9
43070	2078	0.6	3.4	0.0	0.9	0.8	0.2	5.9
43435	2079	0.6	3.4	0.0	0.9	0.8	0.2	5.9
43800	2080	0.6	3.4	0.0	0.9	0.8	0.2	5.9
44165	2081	0.6	3.4	0.0	0.9	0.8	0.2	5.9
44530	2082	0.6	3.4	0.0	0.9	0.8	0.2	5.9
44895	2083	0.6	3.4	0.0	0.9	0.8	0.2	5.9
45260	2084	0.6	3.4	0.0	0.9	0.8	0.2	5.9
45625	2085	0.6	3.4	0.0	0.9	0.8	0.2	5.9
45990	2086	0.6	3.4	0.0	0.9	0.8	0.2	5.9
46355	2087	0.6	3.4	0.0	0.9	0.8	0.2	5.9
46720	2088	0.6	3.4	0.0	0.9	0.8	0.2	5.9
47085	2089	0.6	3.4	0.0	0.9	0.8	0.2	5.9
47450	2090	0.6	3.4	0.0	0.9	0.8	0.2	5.9
47815	2091	0.6	3.4	0.0	0.9	0.8	0.2	5.9
48180	2092	0.6	3.4	0.0	0.9	0.8	0.2	5.9
48545	2093	0.6	3.4	0.0	0.9	0.8	0.2	5.9
48910	2094	0.6	3.4	0.0	0.9	0.8	0.2	5.9
49275	2095	0.6	3.4	0.0	0.9	0.8	0.2	5.9
49640	2096	0.6	3.4	0.0	0.9	0.8	0.2	5.9
50005	2097	0.6	3.4	0.0	0.9	0.8	0.2	5.9
50370	2098	0.6	3.4	0.0	0.9	0.8	0.2	5.9
50735	2099	0.6	3.4	0.0	0.9	0.8	0.2	5.9
51100	2100	0.6	3.4	0.0	0.9	0.8	0.2	5.9
51465	2101	0.6	3.4	0.0	0.9	0.8	0.2	5.9
51830	2102	0.6	3.4	0.0	0.9	0.8	0.2	5.9
52195	2103	0.6	3.4	0.0	0.9	0.8	0.2	5.9
52560	2104	0.6	3.4	0.0	0.9	0.8	0.2	5.9
52925	2105	0.6	3.4	0.0	0.9	0.8	0.2	5.9
53290	2106	0.6	3.4	0.0	0.9	0.8	0.2	5.9
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3C)



B-2(S3C). Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1961	72	241	0	119	85	18	535	6
730	1962	73	240	0	120	84	18	534	6
1095	1963	74	240	0	121	83	18	535	6
1460	1964	74	240	0	121	83	18	537	6
1825	1965	75	241	0	122	84	18	539	6
2190	1966	75	242	0	122	84	18	541	6
2555	1967	76	243	0	123	84	18	543	6
2920	1968	76	243	0	123	84	18	544	6
3285	1969	76	244	0	124	84	18	546	6
3650	1970	77	245	0	124	84	18	547	6
4015	1971	77	246	0	124	84	18	549	6
4380	1972	77	246	0	124	84	18	550	6
4745	1973	77	247	0	125	85	18	551	6
5110	1974	77	247	0	125	85	18	552	6
5475	1975	78	248	0	125	85	18	554	6
5840	1976	78	249	0	125	85	18	555	6
6205	1977	78	249	0	125	85	18	556	6
6570	1978	78	250	0	126	85	18	557	6
6935	1979	78	250	0	126	85	18	557	6
7300	1980	78	251	0	126	85	18	558	6
7665	1981	78	251	0	126	85	18	559	6
8030	1982	78	291	0	126	89	18	602	7
8395	1983	79	304	0	126	90	18	617	7
8760	1984	79	352	0	126	94	18	670	8
9125	1985	79	372	0	127	96	18	692	8
9490	1986	79	466	0	127	104	19	795	9
9855	1987	79	505	0	127	108	19	837	10
10220	1988	79	656	0	128	120	19	1002	12
10585	1989	79	720	0	128	126	19	1073	12
10950	1990	80	768	0	128	131	19	1125	13
11315	1991	80	808	0	129	134	19	1170	14
11680	1992	80	845	0	129	138	19	1211	14
12045	1993	80	878	0	130	141	19	1248	14
12410	1994	80	908	0	130	144	20	1282	15
12775	1995	81	937	0	130	146	20	1314	15
13140	1996	81	964	0	131	149	20	1344	16
13505	1997	81	988	0	131	151	20	1372	16
13870	1998	81	1012	0	132	153	20	1398	16

B-2(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
14235	**1999**	82	1034	0	132	155	20	**1423**	***16***
14600	**2000**	82	1055	0	132	157	20	**1446**	***17***
14965	**2001**	82	1075	0	133	159	20	**1468**	***17***
15330	**2002**	66	865	0	123	123	20	**1196**	***14***
15695	**2003**	58	801	0	115	105	20	**1099**	***13***
16060	**2004**	53	761	0	110	98	20	**1042**	***12***
16425	**2005**	50	731	0	106	93	20	**1001**	***12***
16790	**2006**	48	707	0	103	90	20	**969**	***11***
17155	**2007**	46	711	0	101	89	20	**968**	***11***
17520	**2008**	45	709	0	100	88	20	**961**	***11***
17885	**2009**	44	728	0	98	88	20	**978**	***11***
18250	**2010**	43	736	0	97	88	20	**984**	***11***
18615	**2011**	43	738	0	96	88	20	**984**	***11***
18980	**2012**	42	738	0	96	87	20	**983**	***11***
19345	**2013**	41	737	0	95	87	20	**980**	***11***
19710	**2014**	41	736	0	94	87	20	**977**	***11***
20075	**2015**	42	744	0	97	88	20	**991**	***11***
20440	**2016**	43	757	0	98	89	20	**1007**	***12***
20805	**2017**	43	769	0	98	91	20	**1021**	***12***
21170	**2018**	43	779	0	98	92	20	**1033**	***12***
21535	**2019**	43	788	0	99	92	20	**1042**	***12***
21900	**2020**	43	794	0	99	93	20	**1050**	***12***
22265	**2021**	43	800	0	99	94	20	**1056**	***12***
22630	**2022**	44	805	0	99	94	20	**1062**	***12***
22995	**2023**	44	809	0	99	94	20	**1066**	***12***
23360	**2024**	44	813	0	99	95	20	**1071**	***12***
23725	**2025**	44	816	0	100	95	20	**1074**	***12***
24090	**2026**	44	818	0	100	96	20	**1078**	***12***
24455	**2027**	44	822	0	100	96	20	**1082**	***13***
24820	**2028**	44	825	0	100	96	20	**1086**	***13***
25185	**2029**	44	827	0	101	97	20	**1089**	***13***
25550	**2030**	45	830	0	101	97	20	**1093**	***13***
25915	**2031**	46	837	0	103	98	20	**1105**	***13***
26280	**2032**	47	842	0	104	99	21	**1112**	***13***
26645	**2033**	48	859	0	106	101	21	**1135**	***13***
27010	**2034**	49	868	0	108	102	21	**1149**	***13***

B-2(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
27375	2035	52	881	0	112	105	21	**1171**	***14***
27740	2036	54	896	0	115	107	21	**1193**	***14***
28105	2037	56	911	0	117	110	22	**1215**	***14***
28470	2038	57	926	0	119	112	22	**1236**	***14***
28835	2039	58	941	0	120	114	22	**1255**	***15***
29200	2040	59	956	0	122	116	22	**1275**	***15***
29565	2041	60	971	0	123	117	22	**1293**	***15***
29930	2042	61	985	0	124	119	23	**1311**	***15***
30295	2043	62	999	0	125	121	23	**1329**	***15***
30660	2044	62	1012	0	126	122	23	**1345**	***16***
31025	2045	63	1025	0	127	124	23	**1362**	***16***
31390	2046	64	1038	0	127	125	23	**1377**	***16***
31755	2047	64	1050	0	128	127	24	**1393**	***16***
32120	2048	65	1062	0	129	128	24	**1407**	***16***
32485	2049	65	1073	0	130	129	24	**1421**	***16***
32850	2050	66	1084	0	130	130	24	**1435**	***17***
33215	2051	66	1095	0	131	132	24	**1448**	***17***
33580	2052	67	1105	0	131	133	24	**1460**	***17***
33945	2053	67	1115	0	132	134	25	**1473**	***17***
34310	2054	68	1124	0	132	135	25	**1484**	***17***
34675	2055	68	1133	0	133	136	25	**1495**	***17***
35040	2056	69	1142	0	133	137	25	**1506**	***17***
35405	2057	69	1151	0	134	138	25	**1516**	***18***
35770	2058	69	1159	0	134	139	25	**1526**	***18***
36135	2059	70	1166	0	135	140	25	**1536**	***18***
36500	2060	70	1174	0	135	141	25	**1545**	***18***
36865	2061	70	1181	0	135	141	25	**1554**	***18***
37230	2062	71	1188	0	136	142	26	**1562**	***18***
37595	2063	71	1194	0	136	143	26	**1570**	***18***
37960	2064	71	1201	0	136	144	26	**1578**	***18***
38325	2065	72	1207	0	137	144	26	**1585**	***18***
38690	2066	72	1212	0	137	145	26	**1592**	***18***
39055	2067	72	1218	0	137	146	26	**1599**	***19***
39420	2068	72	1223	0	138	146	26	**1605**	***19***
39785	2069	73	1228	0	138	147	26	**1611**	***19***
40150	2070	73	1233	0	138	147	26	**1617**	***19***

B-2(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
40515	2071	73	1237	0	138	148	26	**1623**	***19***
40880	2072	73	1242	0	139	148	26	**1628**	***19***
41245	2073	73	1246	0	139	149	26	**1634**	***19***
41610	2074	74	1250	0	139	149	26	**1639**	***19***
41975	2075	74	1254	0	139	150	26	**1644**	***19***
42340	2076	74	1258	0	140	150	26	**1648**	***19***
42705	2077	74	1261	0	140	151	26	**1653**	***19***
43070	2078	74	1265	0	140	151	27	**1657**	***19***
43435	2079	75	1268	0	140	152	27	**1661**	***19***
43800	2080	75	1271	0	140	152	27	**1665**	***19***
44165	2081	75	1274	0	141	152	27	**1669**	***19***
44530	2082	75	1277	0	141	153	27	**1672**	***19***
44895	2083	75	1280	0	141	153	27	**1676**	***19***
45260	2084	75	1282	0	141	153	27	**1679**	***19***
45625	2085	76	1285	0	141	154	27	**1682**	***19***
45990	2086	76	1287	0	142	154	27	**1685**	***20***
46355	2087	76	1290	0	142	154	27	**1688**	***20***
46720	2088	76	1292	0	142	154	27	**1691**	***20***
47085	2089	76	1294	0	142	155	27	**1694**	***20***
47450	2090	76	1296	0	142	155	27	**1696**	***20***
47815	2091	76	1298	0	142	155	27	**1699**	***20***
48180	2092	77	1300	0	142	155	27	**1701**	***20***
48545	2093	77	1302	0	143	156	27	**1704**	***20***
48910	2094	77	1304	0	143	156	27	**1706**	***20***
49275	2095	77	1305	0	143	156	27	**1708**	***20***
49640	2096	77	1307	0	143	156	27	**1710**	***20***
50005	2097	77	1308	0	143	156	27	**1712**	***20***
50370	2098	77	1310	0	143	157	27	**1714**	***20***
50735	2099	77	1311	0	143	157	27	**1716**	***20***
51100	2100	77	1313	0	143	157	27	**1718**	***20***
51465	2101	78	1314	0	144	157	27	**1719**	***20***
51830	2102	78	1315	0	144	157	27	**1721**	***20***
52195	2103	78	1316	0	144	157	27	**1723**	***20***
52560	2104	78	1317	0	144	158	27	**1724**	***20***
52925	2105	78	1319	0	144	158	27	**1725**	***20***
53290	2106	78	1320	0	144	158	27	**1727**	***20***

B-2(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1961	1.1	1.2	0.0	1.2	0.9	0.2	4.5
730	1962	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1095	1963	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1460	1964	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1825	1965	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2190	1966	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2555	1967	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2920	1968	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3285	1969	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3650	1970	1.1	1.2	0.0	1.2	0.8	0.2	4.6
4015	1971	1.2	1.2	0.0	1.2	0.8	0.2	4.6
4380	1972	1.2	1.2	0.0	1.2	0.8	0.2	4.7
4745	1973	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5110	1974	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5475	1975	1.2	1.2	0.0	1.3	0.8	0.2	4.7
5840	1976	1.2	1.2	0.0	1.3	0.8	0.2	4.7
6205	1977	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6570	1978	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6935	1979	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7300	1980	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7665	1981	1.2	1.3	0.0	1.3	0.9	0.2	4.7
8030	1982	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8395	1983	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8760	1984	1.2	1.8	0.0	1.3	0.9	0.2	5.3
9125	1985	1.2	1.9	0.0	1.3	1.0	0.2	5.5
9490	1986	1.2	2.3	0.0	1.3	1.0	0.2	6.0
9855	1987	1.2	2.5	0.0	1.3	1.1	0.2	6.2
10220	1988	1.2	3.3	0.0	1.3	1.2	0.2	7.1
10585	1989	1.2	3.6	0.0	1.3	1.3	0.2	7.5
10950	1990	1.2	3.8	0.0	1.3	1.3	0.2	7.8
11315	1991	1.2	4.0	0.0	1.3	1.3	0.2	8.1
11680	1992	1.2	4.2	0.0	1.3	1.4	0.2	8.3
12045	1993	1.2	4.4	0.0	1.3	1.4	0.2	8.5
12410	1994	1.2	4.5	0.0	1.3	1.4	0.2	8.7
12775	1995	1.2	4.7	0.0	1.3	1.5	0.2	8.9
13140	1996	1.2	4.8	0.0	1.3	1.5	0.2	9.0
13505	1997	1.2	4.9	0.0	1.3	1.5	0.2	9.2
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S4). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
13870	1998	1.2	5.1	0.0	1.3	1.5	0.2	9.3
14235	1999	1.2	5.2	0.0	1.3	1.6	0.2	9.5
14600	2000	1.2	5.3	0.0	1.3	1.6	0.2	9.6
14965	2001	1.2	5.4	0.0	1.3	1.6	0.2	9.7
15330	2002	1.0	4.3	0.0	1.2	1.2	0.2	8.0
15695	2003	0.9	4.0	0.0	1.1	1.1	0.2	7.3
16060	2004	0.8	3.8	0.0	1.1	1.0	0.2	6.9
16425	2005	0.8	3.7	0.0	1.1	0.9	0.2	6.6
16790	2006	0.7	3.5	0.0	1.0	0.9	0.2	6.4
17155	2007	0.7	3.6	0.0	1.0	0.9	0.2	6.4
17520	2008	0.7	3.5	0.0	1.0	0.9	0.2	6.3
17885	2009	0.7	3.6	0.0	1.0	0.9	0.2	6.4
18250	2010	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18615	2011	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18980	2012	0.6	3.7	0.0	1.0	0.9	0.2	6.3
19345	2013	0.6	3.7	0.0	0.9	0.9	0.2	6.3
19710	2014	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20075	2015	0.6	3.7	0.0	1.0	0.9	0.2	6.4
20440	2016	0.6	3.8	0.0	1.0	0.9	0.2	6.5
20805	2017	0.6	3.8	0.0	1.0	0.9	0.2	6.6
21170	2018	0.6	3.9	0.0	1.0	0.9	0.2	6.6
21535	2019	0.7	3.9	0.0	1.0	0.9	0.2	6.7
21900	2020	0.7	4.0	0.0	1.0	0.9	0.2	6.7
22265	2021	0.7	4.0	0.0	1.0	0.9	0.2	6.8
22630	2022	0.7	4.0	0.0	1.0	0.9	0.2	6.8
22995	2023	0.7	4.0	0.0	1.0	0.9	0.2	6.8
23360	2024	0.7	4.1	0.0	1.0	0.9	0.2	6.9
23725	2025	0.7	4.1	0.0	1.0	1.0	0.2	6.9
24090	2026	0.7	4.1	0.0	1.0	1.0	0.2	6.9
24455	2027	0.7	4.1	0.0	1.0	1.0	0.2	6.9
24820	2028	0.7	4.1	0.0	1.0	1.0	0.2	7.0
25185	2029	0.7	4.1	0.0	1.0	1.0	0.2	7.0
25550	2030	0.7	4.1	0.0	1.0	1.0	0.2	7.0
25915	2031	0.7	4.2	0.0	1.0	1.0	0.2	7.1
26280	2032	0.7	4.2	0.0	1.0	1.0	0.2	7.1
26645	2033	0.7	4.3	0.0	1.1	1.0	0.2	7.3
27010	2034	0.7	4.3	0.0	1.1	1.0	0.2	7.4
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

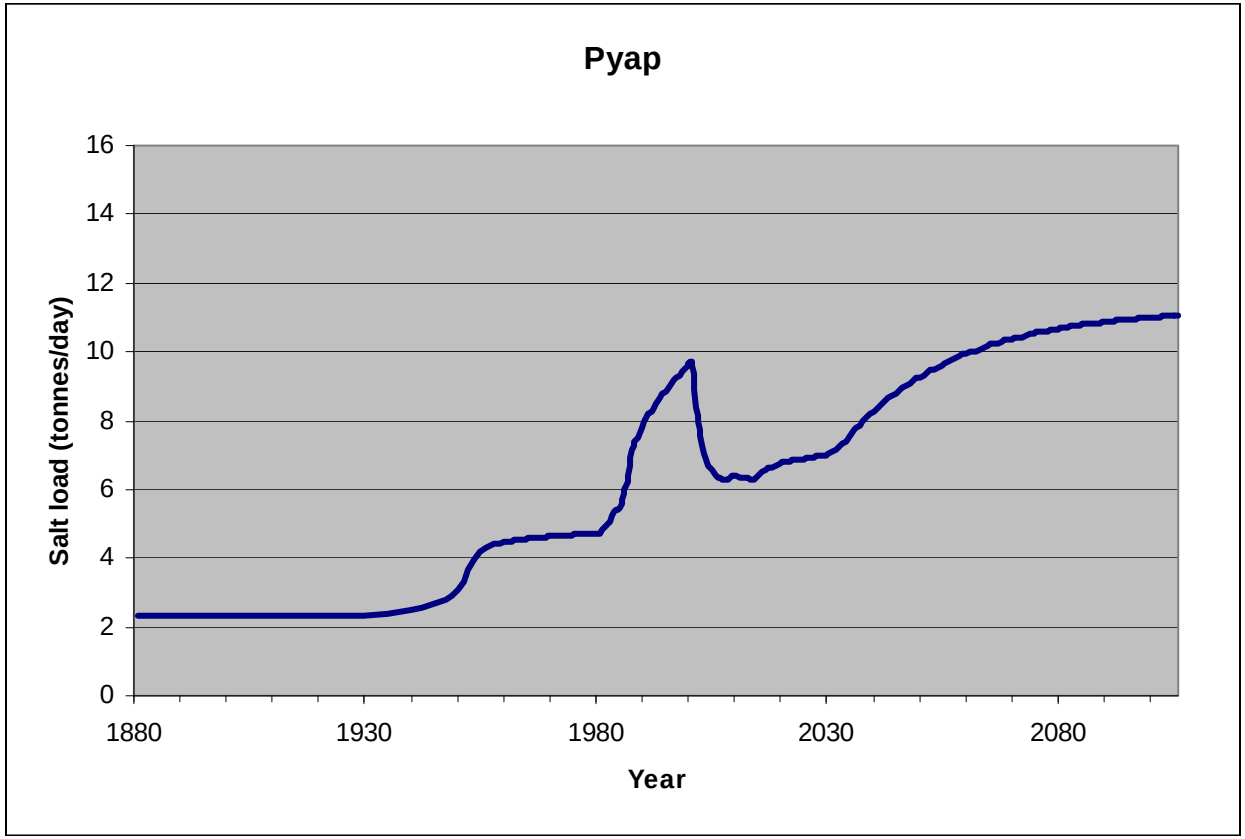
B-2(S4). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
27375	2035	0.8	4.4	0.0	1.1	1.0	0.2	7.6
27740	2036	0.8	4.5	0.0	1.1	1.1	0.2	7.7
28105	2037	0.8	4.6	0.0	1.2	1.1	0.2	7.9
28470	2038	0.9	4.6	0.0	1.2	1.1	0.2	8.0
28835	2039	0.9	4.7	0.0	1.2	1.1	0.2	8.1
29200	2040	0.9	4.8	0.0	1.2	1.2	0.2	8.3
29565	2041	0.9	4.9	0.0	1.2	1.2	0.2	8.4
29930	2042	0.9	4.9	0.0	1.2	1.2	0.2	8.5
30295	2043	0.9	5.0	0.0	1.2	1.2	0.2	8.6
30660	2044	0.9	5.1	0.0	1.3	1.2	0.2	8.7
31025	2045	0.9	5.1	0.0	1.3	1.2	0.2	8.8
31390	2046	1.0	5.2	0.0	1.3	1.3	0.2	8.9
31755	2047	1.0	5.2	0.0	1.3	1.3	0.2	9.0
32120	2048	1.0	5.3	0.0	1.3	1.3	0.2	9.1
32485	2049	1.0	5.4	0.0	1.3	1.3	0.2	9.2
32850	2050	1.0	5.4	0.0	1.3	1.3	0.2	9.3
33215	2051	1.0	5.5	0.0	1.3	1.3	0.2	9.3
33580	2052	1.0	5.5	0.0	1.3	1.3	0.2	9.4
33945	2053	1.0	5.6	0.0	1.3	1.3	0.2	9.5
34310	2054	1.0	5.6	0.0	1.3	1.4	0.2	9.6
34675	2055	1.0	5.7	0.0	1.3	1.4	0.2	9.6
35040	2056	1.0	5.7	0.0	1.3	1.4	0.2	9.7
35405	2057	1.0	5.8	0.0	1.3	1.4	0.3	9.8
35770	2058	1.0	5.8	0.0	1.3	1.4	0.3	9.8
36135	2059	1.0	5.8	0.0	1.3	1.4	0.3	9.9
36500	2060	1.1	5.9	0.0	1.4	1.4	0.3	9.9
36865	2061	1.1	5.9	0.0	1.4	1.4	0.3	10.0
37230	2062	1.1	5.9	0.0	1.4	1.4	0.3	10.0
37595	2063	1.1	6.0	0.0	1.4	1.4	0.3	10.1
37960	2064	1.1	6.0	0.0	1.4	1.4	0.3	10.1
38325	2065	1.1	6.0	0.0	1.4	1.4	0.3	10.2
38690	2066	1.1	6.1	0.0	1.4	1.4	0.3	10.2
39055	2067	1.1	6.1	0.0	1.4	1.5	0.3	10.3
39420	2068	1.1	6.1	0.0	1.4	1.5	0.3	10.3
39785	2069	1.1	6.1	0.0	1.4	1.5	0.3	10.3
40150	2070	1.1	6.2	0.0	1.4	1.5	0.3	10.4
40515	2071	1.1	6.2	0.0	1.4	1.5	0.3	10.4
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S4). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
40880	2072	1.1	6.2	0.0	1.4	1.5	0.3	**10.4**
41245	2073	1.1	6.2	0.0	1.4	1.5	0.3	**10.5**
41610	2074	1.1	6.3	0.0	1.4	1.5	0.3	**10.5**
41975	2075	1.1	6.3	0.0	1.4	1.5	0.3	**10.5**
42340	2076	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
42705	2077	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
43070	2078	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
43435	2079	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
43800	2080	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
44165	2081	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
44530	2082	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
44895	2083	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
45260	2084	1.1	6.4	0.0	1.4	1.5	0.3	**10.8**
45625	2085	1.1	6.4	0.0	1.4	1.5	0.3	**10.8**
45990	2086	1.1	6.4	0.0	1.4	1.5	0.3	**10.8**
46355	2087	1.1	6.4	0.0	1.4	1.5	0.3	**10.8**
46720	2088	1.1	6.5	0.0	1.4	1.5	0.3	**10.8**
47085	2089	1.1	6.5	0.0	1.4	1.5	0.3	**10.8**
47450	2090	1.1	6.5	0.0	1.4	1.5	0.3	**10.9**
47815	2091	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
48180	2092	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
48545	2093	1.2	6.5	0.0	1.4	1.6	0.3	**10.9**
48910	2094	1.2	6.5	0.0	1.4	1.6	0.3	**10.9**
49275	2095	1.2	6.5	0.0	1.4	1.6	0.3	**10.9**
49640	2096	1.2	6.5	0.0	1.4	1.6	0.3	**11.0**
50005	2097	1.2	6.5	0.0	1.4	1.6	0.3	**11.0**
50370	2098	1.2	6.5	0.0	1.4	1.6	0.3	**11.0**
50735	2099	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
51100	2100	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
51465	2101	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
51830	2102	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
52195	2103	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
52560	2104	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
52925	2105	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
53290	2106	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
Salinity (mg/L)		***15,000***	***5,000***	***10,000***	***10,000***	***10,000***	***10,000***	

B-2(S4). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 4)



B-2(S4). Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1961	72	241	0	119	85	18	535	6
730	1962	73	240	0	120	84	18	534	6
1095	1963	74	240	0	121	83	18	535	6
1460	1964	74	240	0	121	83	18	537	6
1825	1965	75	241	0	122	84	18	539	6
2190	1966	75	242	0	122	84	18	541	6
2555	1967	76	243	0	123	84	18	543	6
2920	1968	76	243	0	123	84	18	544	6
3285	1969	76	244	0	124	84	18	546	6
3650	1970	77	245	0	124	84	18	547	6
4015	1971	77	246	0	124	84	18	549	6
4380	1972	77	246	0	124	84	18	550	6
4745	1973	77	247	0	125	85	18	551	6
5110	1974	77	247	0	125	85	18	552	6
5475	1975	78	248	0	125	85	18	554	6
5840	1976	78	249	0	125	85	18	555	6
6205	1977	78	249	0	125	85	18	556	6
6570	1978	78	250	0	126	85	18	557	6
6935	1979	78	250	0	126	85	18	557	6
7300	1980	78	251	0	126	85	18	558	6
7665	1981	78	251	0	126	85	18	559	6
8030	1982	78	291	0	126	89	18	602	7
8395	1983	79	304	0	126	90	18	617	7
8760	1984	79	352	0	126	94	18	670	8
9125	1985	79	372	0	127	96	18	692	8
9490	1986	79	466	0	127	104	19	795	9
9855	1987	79	505	0	127	108	19	837	10
10220	1988	79	656	0	128	120	19	1002	12
10585	1989	79	720	0	128	126	19	1073	12
10950	1990	80	768	0	128	131	19	1125	13
11315	1991	80	808	0	129	134	19	1170	14
11680	1992	80	845	0	129	138	19	1211	14
12045	1993	80	878	0	130	141	19	1248	14
12410	1994	80	908	0	130	144	20	1282	15
12775	1995	81	937	0	130	146	20	1314	15
13140	1996	81	964	0	131	149	20	1344	16
13505	1997	81	988	0	131	151	20	1372	16
13870	1998	81	1012	0	132	153	20	1398	16

B-2(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
14235	**1999**	82	1034	0	132	155	20	**1423**	***16***
14600	**2000**	82	1055	0	132	157	20	**1446**	***17***
14965	**2001**	82	1075	0	133	159	20	**1468**	***17***
15330	**2002**	66	865	0	123	123	20	**1196**	***14***
15695	**2003**	58	801	0	115	105	20	**1099**	***13***
16060	**2004**	53	761	0	110	98	20	**1042**	***12***
16425	**2005**	50	731	0	106	93	20	**1001**	***12***
16790	**2006**	48	707	0	103	90	20	**969**	***11***
17155	**2007**	46	711	0	101	89	20	**968**	***11***
17520	**2008**	45	709	0	100	88	20	**961**	***11***
17885	**2009**	44	728	0	98	88	20	**978**	***11***
18250	**2010**	43	736	0	97	88	20	**984**	***11***
18615	**2011**	43	738	0	96	88	20	**984**	***11***
18980	**2012**	42	738	0	96	87	20	**983**	***11***
19345	**2013**	41	737	0	95	87	20	**980**	***11***
19710	**2014**	41	736	0	94	87	20	**977**	***11***
20075	**2015**	42	744	0	97	88	20	**991**	***11***
20440	**2016**	43	757	0	98	89	20	**1007**	***12***
20805	**2017**	43	769	0	98	91	20	**1021**	***12***
21170	**2018**	43	779	0	98	92	20	**1033**	***12***
21535	**2019**	43	788	0	99	92	20	**1042**	***12***
21900	**2020**	43	794	0	99	93	20	**1050**	***12***
22265	**2021**	43	800	0	99	94	20	**1056**	***12***
22630	**2022**	44	805	0	99	94	20	**1062**	***12***
22995	**2023**	44	809	0	99	94	20	**1066**	***12***
23360	**2024**	44	813	0	99	95	20	**1071**	***12***
23725	**2025**	44	816	0	100	95	20	**1074**	***12***
24090	**2026**	44	818	0	100	96	20	**1078**	***12***
24455	**2027**	44	822	0	100	97	20	**1083**	***13***
24820	**2028**	44	825	0	100	97	20	**1087**	***13***
25185	**2029**	44	828	0	101	98	20	**1091**	***13***
25550	**2030**	45	830	0	101	98	20	**1095**	***13***
25915	**2031**	46	837	0	103	99	20	**1106**	***13***
26280	**2032**	47	842	0	104	100	21	**1114**	***13***
26645	**2033**	48	860	0	106	102	21	**1136**	***13***
27010	**2034**	49	868	0	108	103	21	**1150**	***13***

B-2(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
27375	2035	52	882	0	112	106	21	**1172**	***14***
27740	2036	54	897	0	115	108	21	**1195**	***14***
28105	2037	56	912	0	117	111	22	**1217**	***14***
28470	2038	57	927	0	119	113	22	**1237**	***14***
28835	2039	58	942	0	120	115	22	**1257**	***15***
29200	2040	59	957	0	122	117	22	**1276**	***15***
29565	2041	60	971	0	123	118	23	**1295**	***15***
29930	2042	61	985	0	124	120	23	**1313**	***15***
30295	2043	62	999	0	125	122	23	**1330**	***15***
30660	2044	62	1013	0	126	123	23	**1347**	***16***
31025	2045	63	1026	0	127	125	23	**1364**	***16***
31390	2046	64	1038	0	127	126	23	**1379**	***16***
31755	2047	64	1051	0	128	128	24	**1395**	***16***
32120	2048	65	1063	0	129	129	24	**1409**	***16***
32485	2049	65	1074	0	130	131	24	**1424**	***16***
32850	2050	66	1085	0	130	132	24	**1437**	***17***
33215	2051	66	1096	0	131	133	24	**1450**	***17***
33580	2052	67	1106	0	131	134	25	**1463**	***17***
33945	2053	67	1116	0	132	136	25	**1475**	***17***
34310	2054	68	1126	0	132	137	25	**1487**	***17***
34675	2055	68	1135	0	133	138	25	**1499**	***17***
35040	2056	69	1144	0	133	139	25	**1509**	***17***
35405	2057	69	1152	0	134	140	25	**1520**	***18***
35770	2058	69	1160	0	134	141	25	**1530**	***18***
36135	2059	70	1168	0	135	142	25	**1540**	***18***
36500	2060	70	1176	0	135	142	26	**1549**	***18***
36865	2061	70	1183	0	135	143	26	**1558**	***18***
37230	2062	71	1190	0	136	144	26	**1566**	***18***
37595	2063	71	1197	0	136	145	26	**1575**	***18***
37960	2064	71	1203	0	136	146	26	**1582**	***18***
38325	2065	72	1209	0	137	146	26	**1590**	***18***
38690	2066	72	1215	0	137	147	26	**1597**	***18***
39055	2067	72	1221	0	137	148	26	**1604**	***19***
39420	2068	72	1226	0	138	148	26	**1611**	***19***
39785	2069	73	1232	0	138	149	26	**1617**	***19***
40150	2070	73	1237	0	138	149	26	**1623**	***19***

B-2(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
40515	2071	73	1241	0	139	150	26	**1629**	***19***
40880	2072	73	1246	0	139	151	26	**1635**	***19***
41245	2073	73	1250	0	139	151	27	**1640**	***19***
41610	2074	74	1254	0	139	152	27	**1646**	***19***
41975	2075	74	1258	0	139	152	27	**1651**	***19***
42340	2076	74	1262	0	140	153	27	**1655**	***19***
42705	2077	74	1266	0	140	153	27	**1660**	***19***
43070	2078	74	1270	0	140	154	27	**1665**	***19***
43435	2079	75	1273	0	140	154	27	**1669**	***19***
43800	2080	75	1276	0	141	154	27	**1673**	***19***
44165	2081	75	1279	0	141	155	27	**1677**	***19***
44530	2082	75	1282	0	141	155	27	**1680**	***19***
44895	2083	75	1285	0	141	155	27	**1684**	***19***
45260	2084	75	1288	0	141	156	27	**1687**	***20***
45625	2085	76	1290	0	141	156	27	**1691**	***20***
45990	2086	76	1293	0	142	156	27	**1694**	***20***
46355	2087	76	1295	0	142	157	27	**1697**	***20***
46720	2088	76	1298	0	142	157	27	**1700**	***20***
47085	2089	76	1300	0	142	157	27	**1703**	***20***
47450	2090	76	1302	0	142	158	27	**1705**	***20***
47815	2091	76	1304	0	142	158	27	**1708**	***20***
48180	2092	77	1306	0	143	158	27	**1710**	***20***
48545	2093	77	1308	0	143	158	27	**1713**	***20***
48910	2094	77	1310	0	143	159	27	**1715**	***20***
49275	2095	77	1311	0	143	159	27	**1717**	***20***
49640	2096	77	1313	0	143	159	27	**1719**	***20***
50005	2097	77	1315	0	143	159	27	**1722**	***20***
50370	2098	77	1316	0	143	159	27	**1724**	***20***
50735	2099	77	1318	0	143	160	28	**1725**	***20***
51100	2100	78	1319	0	144	160	28	**1727**	***20***
51465	2101	78	1320	0	144	160	28	**1729**	***20***
51830	2102	78	1322	0	144	160	28	**1731**	***20***
52195	2103	78	1323	0	144	160	28	**1732**	***20***
52560	2104	78	1324	0	144	160	28	**1734**	***20***
52925	2105	78	1325	0	144	160	28	**1735**	***20***
53290	2106	78	1326	0	144	161	28	**1737**	***20***

B-2(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1961	1.1	1.2	0.0	1.2	0.9	0.2	4.5
730	1962	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1095	1963	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1460	1964	1.1	1.2	0.0	1.2	0.8	0.2	4.5
1825	1965	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2190	1966	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2555	1967	1.1	1.2	0.0	1.2	0.8	0.2	4.6
2920	1968	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3285	1969	1.1	1.2	0.0	1.2	0.8	0.2	4.6
3650	1970	1.1	1.2	0.0	1.2	0.8	0.2	4.6
4015	1971	1.2	1.2	0.0	1.2	0.8	0.2	4.6
4380	1972	1.2	1.2	0.0	1.2	0.8	0.2	4.7
4745	1973	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5110	1974	1.2	1.2	0.0	1.2	0.8	0.2	4.7
5475	1975	1.2	1.2	0.0	1.3	0.8	0.2	4.7
5840	1976	1.2	1.2	0.0	1.3	0.8	0.2	4.7
6205	1977	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6570	1978	1.2	1.2	0.0	1.3	0.9	0.2	4.7
6935	1979	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7300	1980	1.2	1.3	0.0	1.3	0.9	0.2	4.7
7665	1981	1.2	1.3	0.0	1.3	0.9	0.2	4.7
8030	1982	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8395	1983	1.2	1.5	0.0	1.3	0.9	0.2	5.0
8760	1984	1.2	1.8	0.0	1.3	0.9	0.2	5.3
9125	1985	1.2	1.9	0.0	1.3	1.0	0.2	5.5
9490	1986	1.2	2.3	0.0	1.3	1.0	0.2	6.0
9855	1987	1.2	2.5	0.0	1.3	1.1	0.2	6.2
10220	1988	1.2	3.3	0.0	1.3	1.2	0.2	7.1
10585	1989	1.2	3.6	0.0	1.3	1.3	0.2	7.5
10950	1990	1.2	3.8	0.0	1.3	1.3	0.2	7.8
11315	1991	1.2	4.0	0.0	1.3	1.3	0.2	8.1
11680	1992	1.2	4.2	0.0	1.3	1.4	0.2	8.3
12045	1993	1.2	4.4	0.0	1.3	1.4	0.2	8.5
12410	1994	1.2	4.5	0.0	1.3	1.4	0.2	8.7
12775	1995	1.2	4.7	0.0	1.3	1.5	0.2	8.9
13140	1996	1.2	4.8	0.0	1.3	1.5	0.2	9.0
13505	1997	1.2	4.9	0.0	1.3	1.5	0.2	9.2
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S5). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
13870	1998	1.2	5.1	0.0	1.3	1.5	0.2	9.3
14235	1999	1.2	5.2	0.0	1.3	1.6	0.2	9.5
14600	2000	1.2	5.3	0.0	1.3	1.6	0.2	9.6
14965	2001	1.2	5.4	0.0	1.3	1.6	0.2	9.7
15330	2002	1.0	4.3	0.0	1.2	1.2	0.2	8.0
15695	2003	0.9	4.0	0.0	1.1	1.1	0.2	7.3
16060	2004	0.8	3.8	0.0	1.1	1.0	0.2	6.9
16425	2005	0.8	3.7	0.0	1.1	0.9	0.2	6.6
16790	2006	0.7	3.5	0.0	1.0	0.9	0.2	6.4
17155	2007	0.7	3.6	0.0	1.0	0.9	0.2	6.4
17520	2008	0.7	3.5	0.0	1.0	0.9	0.2	6.3
17885	2009	0.7	3.6	0.0	1.0	0.9	0.2	6.4
18250	2010	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18615	2011	0.6	3.7	0.0	1.0	0.9	0.2	6.4
18980	2012	0.6	3.7	0.0	1.0	0.9	0.2	6.3
19345	2013	0.6	3.7	0.0	0.9	0.9	0.2	6.3
19710	2014	0.6	3.7	0.0	0.9	0.9	0.2	6.3
20075	2015	0.6	3.7	0.0	1.0	0.9	0.2	6.4
20440	2016	0.6	3.8	0.0	1.0	0.9	0.2	6.5
20805	2017	0.6	3.8	0.0	1.0	0.9	0.2	6.6
21170	2018	0.6	3.9	0.0	1.0	0.9	0.2	6.6
21535	2019	0.7	3.9	0.0	1.0	0.9	0.2	6.7
21900	2020	0.7	4.0	0.0	1.0	0.9	0.2	6.7
22265	2021	0.7	4.0	0.0	1.0	0.9	0.2	6.8
22630	2022	0.7	4.0	0.0	1.0	0.9	0.2	6.8
22995	2023	0.7	4.0	0.0	1.0	0.9	0.2	6.8
23360	2024	0.7	4.1	0.0	1.0	0.9	0.2	6.9
23725	2025	0.7	4.1	0.0	1.0	1.0	0.2	6.9
24090	2026	0.7	4.1	0.0	1.0	1.0	0.2	6.9
24455	2027	0.7	4.1	0.0	1.0	1.0	0.2	6.9
24820	2028	0.7	4.1	0.0	1.0	1.0	0.2	7.0
25185	2029	0.7	4.1	0.0	1.0	1.0	0.2	7.0
25550	2030	0.7	4.2	0.0	1.0	1.0	0.2	7.0
25915	2031	0.7	4.2	0.0	1.0	1.0	0.2	7.1
26280	2032	0.7	4.2	0.0	1.0	1.0	0.2	7.2
26645	2033	0.7	4.3	0.0	1.1	1.0	0.2	7.3
27010	2034	0.7	4.3	0.0	1.1	1.0	0.2	7.4
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

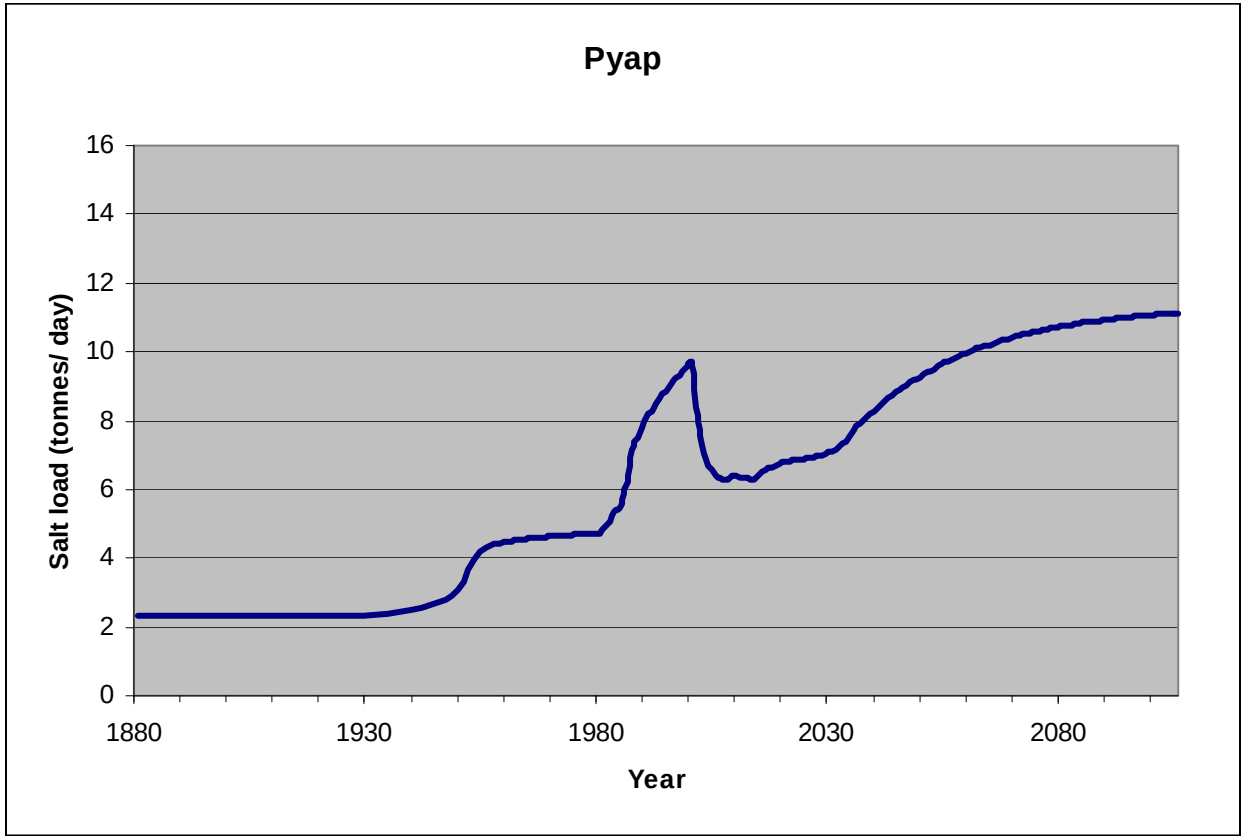
B-2(S5). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
27375	2035	0.8	4.4	0.0	1.1	1.1	0.2	7.6
27740	2036	0.8	4.5	0.0	1.1	1.1	0.2	7.7
28105	2037	0.8	4.6	0.0	1.2	1.1	0.2	7.9
28470	2038	0.9	4.6	0.0	1.2	1.1	0.2	8.0
28835	2039	0.9	4.7	0.0	1.2	1.1	0.2	8.2
29200	2040	0.9	4.8	0.0	1.2	1.2	0.2	8.3
29565	2041	0.9	4.9	0.0	1.2	1.2	0.2	8.4
29930	2042	0.9	4.9	0.0	1.2	1.2	0.2	8.5
30295	2043	0.9	5.0	0.0	1.2	1.2	0.2	8.6
30660	2044	0.9	5.1	0.0	1.3	1.2	0.2	8.7
31025	2045	0.9	5.1	0.0	1.3	1.2	0.2	8.8
31390	2046	1.0	5.2	0.0	1.3	1.3	0.2	8.9
31755	2047	1.0	5.3	0.0	1.3	1.3	0.2	9.0
32120	2048	1.0	5.3	0.0	1.3	1.3	0.2	9.1
32485	2049	1.0	5.4	0.0	1.3	1.3	0.2	9.2
32850	2050	1.0	5.4	0.0	1.3	1.3	0.2	9.3
33215	2051	1.0	5.5	0.0	1.3	1.3	0.2	9.4
33580	2052	1.0	5.5	0.0	1.3	1.3	0.2	9.4
33945	2053	1.0	5.6	0.0	1.3	1.4	0.2	9.5
34310	2054	1.0	5.6	0.0	1.3	1.4	0.2	9.6
34675	2055	1.0	5.7	0.0	1.3	1.4	0.2	9.7
35040	2056	1.0	5.7	0.0	1.3	1.4	0.3	9.7
35405	2057	1.0	5.8	0.0	1.3	1.4	0.3	9.8
35770	2058	1.0	5.8	0.0	1.3	1.4	0.3	9.8
36135	2059	1.0	5.8	0.0	1.3	1.4	0.3	9.9
36500	2060	1.1	5.9	0.0	1.4	1.4	0.3	10.0
36865	2061	1.1	5.9	0.0	1.4	1.4	0.3	10.0
37230	2062	1.1	6.0	0.0	1.4	1.4	0.3	10.1
37595	2063	1.1	6.0	0.0	1.4	1.4	0.3	10.1
37960	2064	1.1	6.0	0.0	1.4	1.5	0.3	10.2
38325	2065	1.1	6.0	0.0	1.4	1.5	0.3	10.2
38690	2066	1.1	6.1	0.0	1.4	1.5	0.3	10.3
39055	2067	1.1	6.1	0.0	1.4	1.5	0.3	10.3
39420	2068	1.1	6.1	0.0	1.4	1.5	0.3	10.3
39785	2069	1.1	6.2	0.0	1.4	1.5	0.3	10.4
40150	2070	1.1	6.2	0.0	1.4	1.5	0.3	10.4
40515	2071	1.1	6.2	0.0	1.4	1.5	0.3	10.5
Salinity (mg/L)		15,000	5,000	10,000	10,000	10,000	10,000	

B-2(S5). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Pyap Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
40880	2072	1.1	6.2	0.0	1.4	1.5	0.3	**10.5**
41245	2073	1.1	6.3	0.0	1.4	1.5	0.3	**10.5**
41610	2074	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
41975	2075	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
42340	2076	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
42705	2077	1.1	6.3	0.0	1.4	1.5	0.3	**10.6**
43070	2078	1.1	6.3	0.0	1.4	1.5	0.3	**10.7**
43435	2079	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
43800	2080	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
44165	2081	1.1	6.4	0.0	1.4	1.5	0.3	**10.7**
44530	2082	1.1	6.4	0.0	1.4	1.6	0.3	**10.8**
44895	2083	1.1	6.4	0.0	1.4	1.6	0.3	**10.8**
45260	2084	1.1	6.4	0.0	1.4	1.6	0.3	**10.8**
45625	2085	1.1	6.5	0.0	1.4	1.6	0.3	**10.8**
45990	2086	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
46355	2087	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
46720	2088	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
47085	2089	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
47450	2090	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
47815	2091	1.1	6.5	0.0	1.4	1.6	0.3	**10.9**
48180	2092	1.1	6.5	0.0	1.4	1.6	0.3	**11.0**
48545	2093	1.2	6.5	0.0	1.4	1.6	0.3	**11.0**
48910	2094	1.2	6.5	0.0	1.4	1.6	0.3	**11.0**
49275	2095	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
49640	2096	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
50005	2097	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
50370	2098	1.2	6.6	0.0	1.4	1.6	0.3	**11.0**
50735	2099	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
51100	2100	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
51465	2101	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
51830	2102	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
52195	2103	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
52560	2104	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
52925	2105	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
53290	2106	1.2	6.6	0.0	1.4	1.6	0.3	**11.1**
Salinity (mg/L)		***15,000***	***5,000***	***10,000***	***10,000***	***10,000***	***10,000***	

B-2(S5). Modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 5)



B-2(S5). Graph of modelled salt load (tonnes/day) entering the River Murray in the Pyap area (Scenario 5)

B-3. MODEL OUTPUT - NEW RESIDENCE AREA

- Model Scenario conditions
- Flow budget zones
- Transient groundwater flux and salt load
- Modelled groundwater flux (m^3/d and L/s)
- Modelled salt load (t/d)

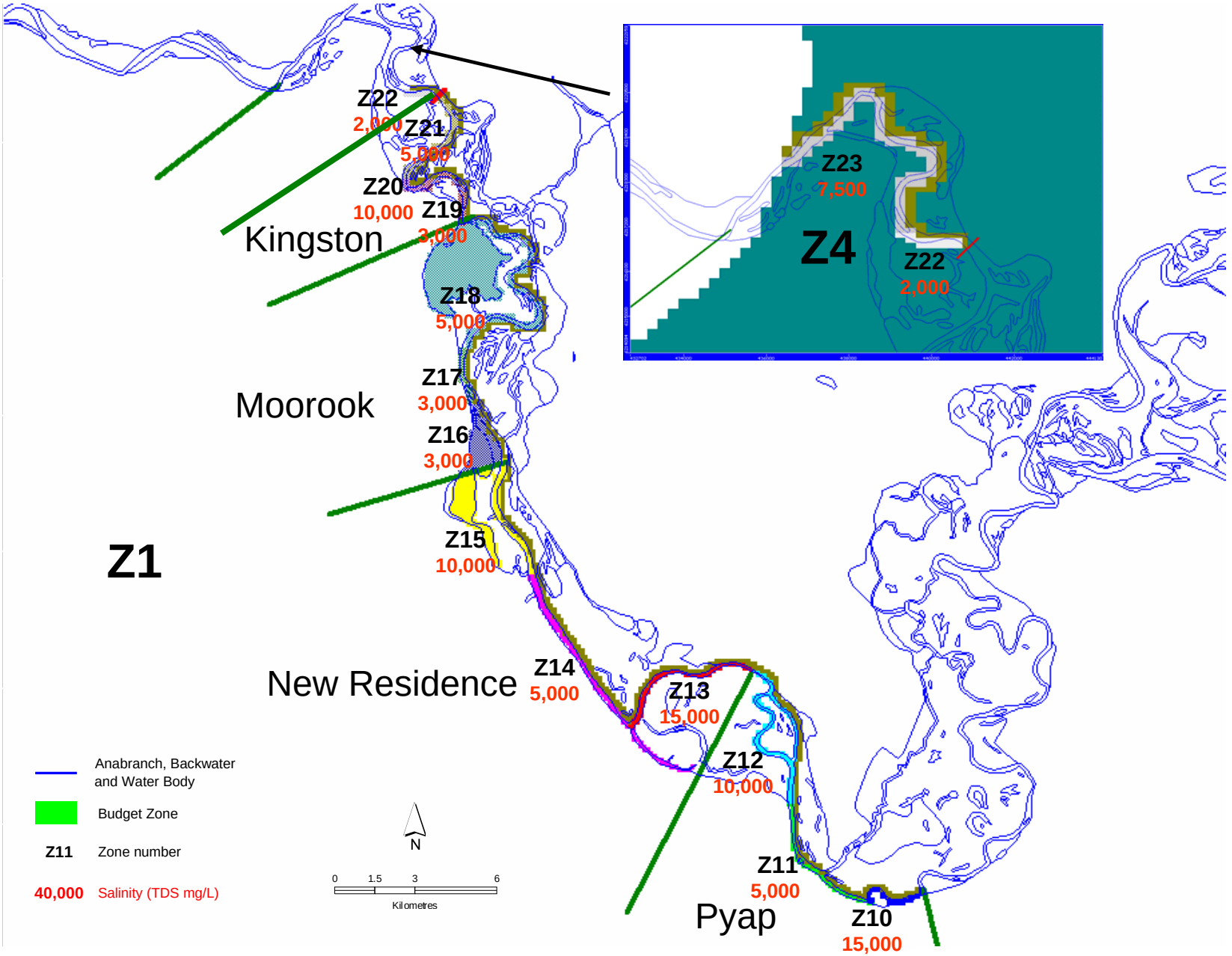
(Transient from 1888 to 1960)

(Scenario-2, 3A, 3B, 3C, 4 and 5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

B-3. Model Scenarios and Conditions



B3-1: Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Pyap to Kingston area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
365	1881	0	28	0	1	3	3	**35**	***0***
7300	1900	0	28	0	1	3	3	**35**	***0***
9125	1905	0	28	0	1	3	3	**35**	***0***
10950	1910	0	28	0	1	3	3	**35**	***0***
12775	1915	0	28	0	1	3	3	**35**	***0***
14600	1920	0	28	0	1	3	3	**35**	***0***
16425	1925	0	28	0	1	3	3	**35**	***0***
18250	1930	0	28	0	1	3	3	**35**	***0***
20075	1935	0	28	0	1	3	3	**36**	***0***
21900	1940	0	28	0	1	3	3	**36**	***0***
23725	1945	0	29	0	1	3	3	**36**	***0***
25550	1950	0	29	0	1	3	4	**37**	***0***
27375	1955	0	30	0	1	3	4	**38**	***0***
29200	1960	0	31	0	1	3	5	**40**	***0***

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
365	1881	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
7300	1900	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
9125	1905	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
10950	1910	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
12775	1915	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
14600	1920	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
16425	1925	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
18250	1930	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
20075	1935	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
21900	1940	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
23725	1945	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
25550	1950	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
27375	1955	0.0	0.1	0.0	0.0	0.1	0.1	**0.3**
29200	1960	0.0	0.2	0.0	0.0	0.1	0.1	**0.3**
Salinity (mg/L)		*15,000*	*5,000*	*10,000*	*20,000*	*20,000*	*20,000*	

B-3(Transient from 1880 to 1960). Modelled groundwater flux (m^3/day) and salt load (tonnes/day) entering the River Murray from flow budget zones in the New Residence area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
365	1881	0	28	0	1	3	3	35	0
3650	1890	0	28	0	1	3	3	35	0
7300	1900	0	28	0	1	3	3	36	0
9125	1905	0	29	1	1	3	3	37	0
10950	1910	0	29	1	1	3	3	37	0
12775	1915	0	30	2	1	3	3	39	0
14600	1920	0	30	2	1	3	3	39	0
16425	1925	0	31	3	1	3	3	42	0
18250	1930	0	31	3	1	3	4	42	0
20075	1935	0	33	4	1	3	4	45	1
21900	1940	0	33	4	1	3	4	45	1
23725	1945	0	36	5	1	3	4	49	1
25550	1950	0	36	5	1	3	4	50	1
27375	1955	0	39	6	1	4	4	55	1
29200	1960	0	39	7	1	4	5	56	1
29565	1961	0	41	7	1	4	5	58	1
29930	1962	0	41	8	1	4	5	60	1
30295	1963	0	42	8	1	4	5	60	1
30660	1964	0	42	8	1	5	5	61	1
31025	1965	0	42	8	1	5	5	62	1
31390	1966	0	43	8	1	5	5	62	1
31755	1967	0	43	8	1	5	5	63	1
32120	1968	0	43	8	1	5	6	63	1
32485	1969	0	43	8	1	5	6	63	1
32850	1970	0	43	8	1	5	6	64	1
33215	1971	0	45	9	1	5	6	66	1
33580	1972	0	46	9	1	5	6	68	1
33945	1973	0	47	9	1	5	7	69	1
34310	1974	0	47	9	1	5	7	70	1
34675	1975	0	48	10	1	6	7	71	1
35040	1976	0	48	10	1	6	7	72	1
35405	1977	0	49	10	1	6	7	73	1
35770	1978	0	49	10	1	6	7	73	1
36135	1979	0	49	10	1	6	7	74	1
36500	1980	0	50	10	1	6	7	74	1
36865	1981	0	52	10	1	6	8	77	1
37230	1982	0	53	11	2	6	8	80	1
37595	1983	0	54	11	2	7	8	81	1
37960	1984	0	55	11	2	7	9	83	1
38325	1985	0	55	11	2	7	9	84	1
38690	1986	0	56	11	2	7	9	85	1

B-3(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
39055	1987	0	57	12	2	7	9	86	1
39420	1988	0	57	12	2	7	9	87	1
39785	1989	0	58	12	2	7	9	88	1
40150	1990	0	58	12	2	8	9	89	1
40515	1991	0	60	12	2	8	10	92	1
40880	1992	0	62	13	2	8	10	95	1
41245	1993	0	63	13	2	8	11	97	1
41610	1994	0	64	13	2	9	11	99	1
41975	1995	0	65	13	2	9	11	100	1
42340	1996	0	66	13	2	9	11	102	1
42705	1997	0	67	14	2	9	12	103	1
43070	1998	0	68	14	2	9	12	104	1
43435	1999	0	68	14	2	9	12	105	1
43800	2000	0	69	14	2	10	12	106	1
44165	2001	0	71	14	2	10	13	110	1
44530	2002	0	73	15	2	10	13	113	1
44895	2003	0	74	15	2	11	14	115	1
45260	2004	0	75	15	2	11	14	117	1
45625	2005	0	76	16	2	11	14	119	1
45990	2006	0	77	16	2	11	15	121	1
46355	2007	0	79	16	2	11	15	122	1
46720	2008	0	80	16	2	12	15	124	1
47085	2009	0	81	16	2	12	15	125	1
47450	2010	0	81	16	2	12	15	127	1
47815	2011	0	83	17	2	12	16	130	2
48180	2012	0	85	17	2	13	17	133	2
48545	2013	0	86	18	2	13	17	136	2
48910	2014	0	88	18	2	13	18	138	2
49275	2015	0	89	18	2	14	18	141	2
49640	2016	0	90	18	2	14	18	143	2
50005	2017	0	91	19	2	14	18	145	2
50370	2018	0	93	19	2	14	18	146	2
50735	2019	0	94	19	2	15	19	148	2
51100	2020	0	95	19	2	15	19	150	2
51465	2021	0	96	20	2	15	20	153	2
51830	2022	0	98	20	2	16	21	156	2
52195	2023	0	100	20	2	16	21	159	2
52560	2024	0	101	21	2	16	21	162	2
52925	2025	0	103	21	2	17	22	164	2
53290	2026	0	104	21	2	17	22	167	2

B-3(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
53655	2027	0	106	22	2	17	22	169	2
54020	2028	0	107	22	2	18	22	171	2
54385	2029	0	108	22	2	18	23	173	2
54750	2030	0	110	22	2	18	23	175	2
55115	2031	0	111	22	2	18	24	178	2
55480	2032	0	113	23	2	19	24	182	2
55845	2033	0	115	23	3	19	25	185	2
56210	2034	0	116	24	3	20	25	187	2
56575	2035	0	118	24	3	20	26	190	2
56940	2036	0	120	24	3	20	26	193	2
57305	2037	0	121	24	3	21	26	195	2
57670	2038	0	123	25	3	21	26	197	2
58035	2039	0	124	25	3	21	27	199	2
58400	2040	0	126	25	3	22	27	202	2
58765	2041	0	127	25	3	22	28	205	2
59130	2042	0	129	26	3	22	28	208	2
59495	2043	0	131	26	3	23	29	211	2
59860	2044	0	132	26	3	23	29	214	2
60225	2045	0	134	27	3	23	30	217	3
60590	2046	0	136	27	3	24	30	219	3
60955	2047	0	137	27	3	24	30	222	3
61320	2048	0	139	27	3	25	30	224	3
61685	2049	0	141	28	3	25	30	227	3
62050	2050	0	142	28	3	25	31	229	3
62415	2051	0	144	28	3	26	32	232	3
62780	2052	0	146	29	3	26	32	236	3
63145	2053	0	147	29	3	26	33	239	3
63510	2054	0	149	29	3	27	33	242	3
63875	2055	0	151	30	3	27	33	244	3
64240	2056	0	152	30	3	28	34	247	3
64605	2057	0	154	30	3	28	34	250	3
64970	2058	0	156	30	3	28	34	252	3
65335	2059	0	157	31	4	29	34	255	3
65700	2060	0	159	31	4	29	35	257	3
66065	2061	0	161	31	4	30	35	260	3
66430	2062	0	162	32	4	30	36	263	3
66795	2063	0	164	32	4	30	36	266	3
67160	2064	0	166	32	4	31	37	269	3
67525	2065	0	168	33	4	31	37	272	3
67890	2066	0	169	33	4	32	37	275	3

B-3(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12		
68255	2067	0	171	33	4	32	38	277	3
68620	2068	0	172	33	4	32	38	280	3
68985	2069	0	174	34	4	33	38	282	3
69350	2070	0	175	34	4	33	38	285	3
69715	2071	0	177	34	4	34	39	288	3
70080	2072	0	179	35	4	34	39	291	3
70445	2073	0	180	35	4	34	40	294	3
70810	2074	0	182	35	4	35	40	296	3
71175	2075	0	184	36	4	35	41	299	3
71540	2076	0	185	36	4	36	41	302	3
71905	2077	0	187	36	4	36	41	304	4
72270	2078	0	188	36	4	36	41	307	4
72635	2079	0	190	37	4	37	42	309	4
73000	2080	0	191	37	4	37	42	312	4
73365	2081	0	193	37	4	37	42	314	4
73730	2082	0	194	37	4	38	42	316	4
74095	2083	0	195	38	5	38	43	318	4
74460	2084	0	197	38	5	38	43	320	4
74825	2085	0	198	38	5	39	43	322	4
75190	2086	0	199	38	5	39	43	324	4
75555	2087	0	201	38	5	39	44	326	4
75920	2088	0	202	39	5	40	44	328	4
76285	2089	0	203	39	5	40	44	330	4
76650	2090	0	204	39	5	40	44	332	4
77015	2091	0	205	39	5	40	44	334	4
77380	2092	0	206	39	5	41	45	336	4
77745	2093	0	207	40	5	41	45	337	4
78110	2094	0	208	40	5	41	45	339	4
78475	2095	0	209	40	5	41	45	341	4
78840	2096	0	210	40	5	41	46	342	4
79205	2097	0	211	40	5	42	46	344	4
79570	2098	0	212	40	5	42	46	345	4
79935	2099	0	213	41	5	42	46	347	4
80300	2100	0	214	41	5	42	46	348	4
80665	2101	0	215	41	5	43	47	350	4
81030	2102	0	216	41	5	43	47	351	4
81395	2103	0	216	41	5	43	47	353	4
81760	2104	0	217	41	5	43	47	354	4
82125	2105	0	218	42	5	43	48	356	4
82490	2106	0	219	42	5	44	48	357	4

B-3(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New ResidenceTotal
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
365	1881	0.0	0.1	0.0	0.0	0.1	0.1	0.3
3650	1890	0.0	0.1	0.0	0.0	0.1	0.1	0.3
7300	1900	0.0	0.1	0.0	0.0	0.1	0.1	0.3
9125	1905	0.0	0.1	0.0	0.0	0.1	0.1	0.3
10950	1910	0.0	0.1	0.0	0.0	0.1	0.1	0.3
12775	1915	0.0	0.1	0.0	0.0	0.1	0.1	0.3
14600	1920	0.0	0.2	0.0	0.0	0.1	0.1	0.3
16425	1925	0.0	0.2	0.0	0.0	0.1	0.1	0.3
18250	1930	0.0	0.2	0.0	0.0	0.1	0.1	0.3
20075	1935	0.0	0.2	0.0	0.0	0.1	0.1	0.4
21900	1940	0.0	0.2	0.0	0.0	0.1	0.1	0.4
23725	1945	0.0	0.2	0.0	0.0	0.1	0.1	0.4
25550	1950	0.0	0.2	0.1	0.0	0.1	0.1	0.4
27375	1955	0.0	0.2	0.1	0.0	0.1	0.1	0.5
29200	1960	0.0	0.2	0.1	0.0	0.1	0.1	0.5
29565	1961	0.0	0.2	0.1	0.0	0.1	0.1	0.5
29930	1962	0.0	0.2	0.1	0.0	0.1	0.1	0.5
30295	1963	0.0	0.2	0.1	0.0	0.1	0.1	0.5
30660	1964	0.0	0.2	0.1	0.0	0.1	0.1	0.5
31025	1965	0.0	0.2	0.1	0.0	0.1	0.1	0.5
31390	1966	0.0	0.2	0.1	0.0	0.1	0.1	0.5
31755	1967	0.0	0.2	0.1	0.0	0.1	0.1	0.5
32120	1968	0.0	0.2	0.1	0.0	0.1	0.1	0.5
32485	1969	0.0	0.2	0.1	0.0	0.1	0.1	0.5
32850	1970	0.0	0.2	0.1	0.0	0.1	0.1	0.5
33215	1971	0.0	0.2	0.1	0.0	0.1	0.1	0.6
33580	1972	0.0	0.2	0.1	0.0	0.1	0.1	0.6
33945	1973	0.0	0.2	0.1	0.0	0.1	0.1	0.6
34310	1974	0.0	0.2	0.1	0.0	0.1	0.1	0.6
34675	1975	0.0	0.2	0.1	0.0	0.1	0.1	0.6
35040	1976	0.0	0.2	0.1	0.0	0.1	0.1	0.6
35405	1977	0.0	0.2	0.1	0.0	0.1	0.1	0.6
35770	1978	0.0	0.2	0.1	0.0	0.1	0.1	0.6
36135	1979	0.0	0.2	0.1	0.0	0.1	0.1	0.6
36500	1980	0.0	0.2	0.1	0.0	0.1	0.1	0.6
36865	1981	0.0	0.3	0.1	0.0	0.1	0.2	0.7
37230	1982	0.0	0.3	0.1	0.0	0.1	0.2	0.7
37595	1983	0.0	0.3	0.1	0.0	0.1	0.2	0.7
37960	1984	0.0	0.3	0.1	0.0	0.1	0.2	0.7
38325	1985	0.0	0.3	0.1	0.0	0.1	0.2	0.7
38690	1986	0.0	0.3	0.1	0.0	0.1	0.2	0.7
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S2). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New ResidenceTotal
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
39055	1987	0.0	0.3	0.1	0.0	0.1	0.2	0.8
39420	1988	0.0	0.3	0.1	0.0	0.1	0.2	0.8
39785	1989	0.0	0.3	0.1	0.0	0.1	0.2	0.8
40150	1990	0.0	0.3	0.1	0.0	0.2	0.2	0.8
40515	1991	0.0	0.3	0.1	0.0	0.2	0.2	0.8
40880	1992	0.0	0.3	0.1	0.0	0.2	0.2	0.8
41245	1993	0.0	0.3	0.1	0.0	0.2	0.2	0.9
41610	1994	0.0	0.3	0.1	0.0	0.2	0.2	0.9
41975	1995	0.0	0.3	0.1	0.0	0.2	0.2	0.9
42340	1996	0.0	0.3	0.1	0.0	0.2	0.2	0.9
42705	1997	0.0	0.3	0.1	0.0	0.2	0.2	0.9
43070	1998	0.0	0.3	0.1	0.0	0.2	0.2	0.9
43435	1999	0.0	0.3	0.1	0.0	0.2	0.2	0.9
43800	2000	0.0	0.3	0.1	0.0	0.2	0.2	0.9
44165	2001	0.0	0.4	0.1	0.0	0.2	0.3	1.0
44530	2002	0.0	0.4	0.1	0.0	0.2	0.3	1.0
44895	2003	0.0	0.4	0.1	0.0	0.2	0.3	1.0
45260	2004	0.0	0.4	0.2	0.0	0.2	0.3	1.1
45625	2005	0.0	0.4	0.2	0.0	0.2	0.3	1.1
45990	2006	0.0	0.4	0.2	0.0	0.2	0.3	1.1
46355	2007	0.0	0.4	0.2	0.0	0.2	0.3	1.1
46720	2008	0.0	0.4	0.2	0.0	0.2	0.3	1.1
47085	2009	0.0	0.4	0.2	0.0	0.2	0.3	1.1
47450	2010	0.0	0.4	0.2	0.0	0.2	0.3	1.2
47815	2011	0.0	0.4	0.2	0.0	0.2	0.3	1.2
48180	2012	0.0	0.4	0.2	0.0	0.3	0.3	1.2
48545	2013	0.0	0.4	0.2	0.0	0.3	0.3	1.3
48910	2014	0.0	0.4	0.2	0.0	0.3	0.4	1.3
49275	2015	0.0	0.4	0.2	0.0	0.3	0.4	1.3
49640	2016	0.0	0.5	0.2	0.0	0.3	0.4	1.3
50005	2017	0.0	0.5	0.2	0.0	0.3	0.4	1.3
50370	2018	0.0	0.5	0.2	0.0	0.3	0.4	1.4
50735	2019	0.0	0.5	0.2	0.0	0.3	0.4	1.4
51100	2020	0.0	0.5	0.2	0.0	0.3	0.4	1.4
51465	2021	0.0	0.5	0.2	0.0	0.3	0.4	1.4
51830	2022	0.0	0.5	0.2	0.0	0.3	0.4	1.5
52195	2023	0.0	0.5	0.2	0.0	0.3	0.4	1.5
52560	2024	0.0	0.5	0.2	0.0	0.3	0.4	1.5
52925	2025	0.0	0.5	0.2	0.0	0.3	0.4	1.5
53290	2026	0.0	0.5	0.2	0.0	0.3	0.4	1.6
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

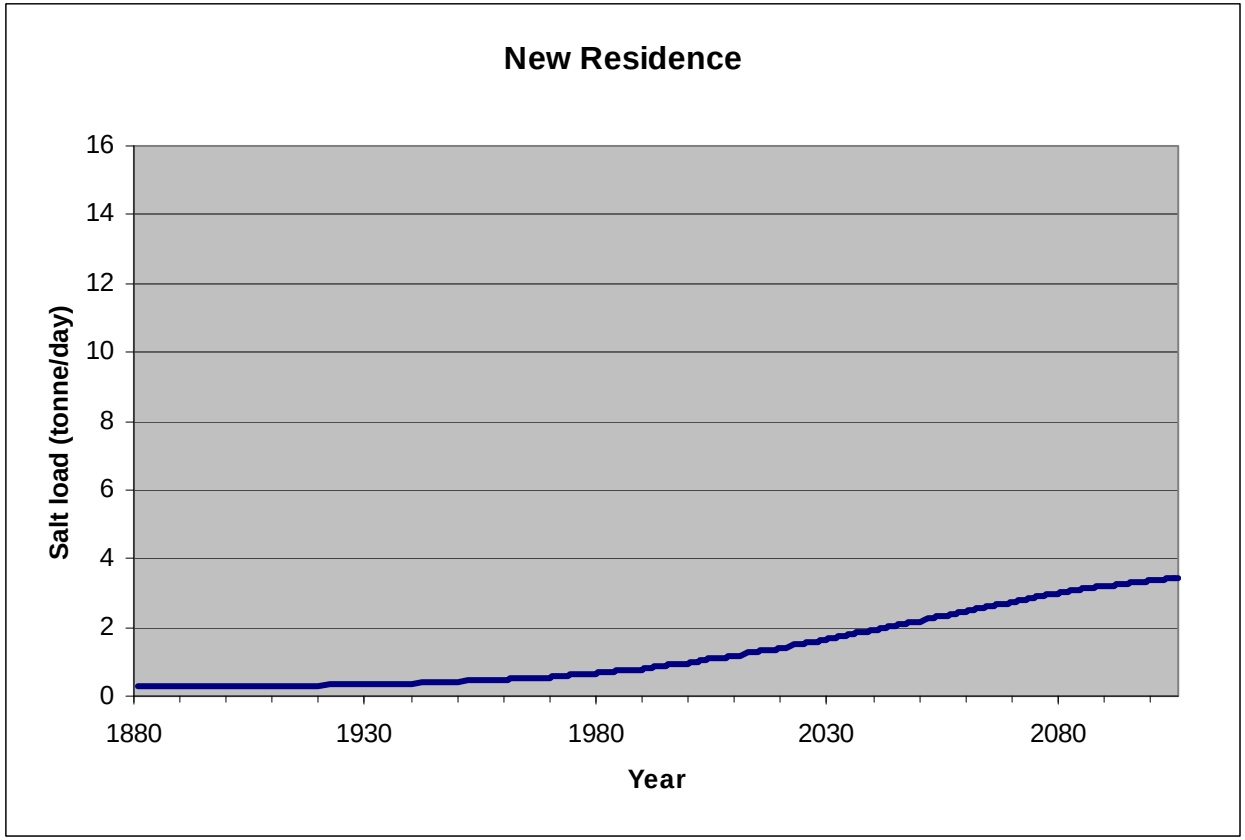
B-3(S2). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New ResidenceTotal
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
53655	2027	0.0	0.5	0.2	0.0	0.3	0.4	1.6
54020	2028	0.0	0.5	0.2	0.0	0.4	0.4	1.6
54385	2029	0.0	0.5	0.2	0.0	0.4	0.5	1.6
54750	2030	0.0	0.5	0.2	0.0	0.4	0.5	1.6
55115	2031	0.0	0.6	0.2	0.0	0.4	0.5	1.7
55480	2032	0.0	0.6	0.2	0.0	0.4	0.5	1.7
55845	2033	0.0	0.6	0.2	0.1	0.4	0.5	1.7
56210	2034	0.0	0.6	0.2	0.1	0.4	0.5	1.8
56575	2035	0.0	0.6	0.2	0.1	0.4	0.5	1.8
56940	2036	0.0	0.6	0.2	0.1	0.4	0.5	1.8
57305	2037	0.0	0.6	0.2	0.1	0.4	0.5	1.8
57670	2038	0.0	0.6	0.2	0.1	0.4	0.5	1.9
58035	2039	0.0	0.6	0.2	0.1	0.4	0.5	1.9
58400	2040	0.0	0.6	0.3	0.1	0.4	0.5	1.9
58765	2041	0.0	0.6	0.3	0.1	0.4	0.6	1.9
59130	2042	0.0	0.6	0.3	0.1	0.4	0.6	2.0
59495	2043	0.0	0.7	0.3	0.1	0.5	0.6	2.0
59860	2044	0.0	0.7	0.3	0.1	0.5	0.6	2.0
60225	2045	0.0	0.7	0.3	0.1	0.5	0.6	2.1
60590	2046	0.0	0.7	0.3	0.1	0.5	0.6	2.1
60955	2047	0.0	0.7	0.3	0.1	0.5	0.6	2.1
61320	2048	0.0	0.7	0.3	0.1	0.5	0.6	2.1
61685	2049	0.0	0.7	0.3	0.1	0.5	0.6	2.1
62050	2050	0.0	0.7	0.3	0.1	0.5	0.6	2.2
62415	2051	0.0	0.7	0.3	0.1	0.5	0.6	2.2
62780	2052	0.0	0.7	0.3	0.1	0.5	0.6	2.2
63145	2053	0.0	0.7	0.3	0.1	0.5	0.7	2.3
63510	2054	0.0	0.7	0.3	0.1	0.5	0.7	2.3
63875	2055	0.0	0.8	0.3	0.1	0.5	0.7	2.3
64240	2056	0.0	0.8	0.3	0.1	0.6	0.7	2.4
64605	2057	0.0	0.8	0.3	0.1	0.6	0.7	2.4
64970	2058	0.0	0.8	0.3	0.1	0.6	0.7	2.4
65335	2059	0.0	0.8	0.3	0.1	0.6	0.7	2.4
65700	2060	0.0	0.8	0.3	0.1	0.6	0.7	2.4
66065	2061	0.0	0.8	0.3	0.1	0.6	0.7	2.5
66430	2062	0.0	0.8	0.3	0.1	0.6	0.7	2.5
66795	2063	0.0	0.8	0.3	0.1	0.6	0.7	2.5
67160	2064	0.0	0.8	0.3	0.1	0.6	0.7	2.6
67525	2065	0.0	0.8	0.3	0.1	0.6	0.7	2.6
67890	2066	0.0	0.8	0.3	0.1	0.6	0.7	2.6
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S2). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New ResidenceTotal
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
68255	2067	0.0	0.9	0.3	0.1	0.6	0.8	2.7
68620	2068	0.0	0.9	0.3	0.1	0.6	0.8	2.7
68985	2069	0.0	0.9	0.3	0.1	0.7	0.8	2.7
69350	2070	0.0	0.9	0.3	0.1	0.7	0.8	2.7
69715	2071	0.0	0.9	0.3	0.1	0.7	0.8	2.8
70080	2072	0.0	0.9	0.3	0.1	0.7	0.8	2.8
70445	2073	0.0	0.9	0.3	0.1	0.7	0.8	2.8
70810	2074	0.0	0.9	0.4	0.1	0.7	0.8	2.8
71175	2075	0.0	0.9	0.4	0.1	0.7	0.8	2.9
71540	2076	0.0	0.9	0.4	0.1	0.7	0.8	2.9
71905	2077	0.0	0.9	0.4	0.1	0.7	0.8	2.9
72270	2078	0.0	0.9	0.4	0.1	0.7	0.8	2.9
72635	2079	0.0	0.9	0.4	0.1	0.7	0.8	3.0
73000	2080	0.0	1.0	0.4	0.1	0.7	0.8	3.0
73365	2081	0.0	1.0	0.4	0.1	0.7	0.8	3.0
73730	2082	0.0	1.0	0.4	0.1	0.8	0.8	3.0
74095	2083	0.0	1.0	0.4	0.1	0.8	0.9	3.1
74460	2084	0.0	1.0	0.4	0.1	0.8	0.9	3.1
74825	2085	0.0	1.0	0.4	0.1	0.8	0.9	3.1
75190	2086	0.0	1.0	0.4	0.1	0.8	0.9	3.1
75555	2087	0.0	1.0	0.4	0.1	0.8	0.9	3.1
75920	2088	0.0	1.0	0.4	0.1	0.8	0.9	3.2
76285	2089	0.0	1.0	0.4	0.1	0.8	0.9	3.2
76650	2090	0.0	1.0	0.4	0.1	0.8	0.9	3.2
77015	2091	0.0	1.0	0.4	0.1	0.8	0.9	3.2
77380	2092	0.0	1.0	0.4	0.1	0.8	0.9	3.2
77745	2093	0.0	1.0	0.4	0.1	0.8	0.9	3.2
78110	2094	0.0	1.0	0.4	0.1	0.8	0.9	3.3
78475	2095	0.0	1.0	0.4	0.1	0.8	0.9	3.3
78840	2096	0.0	1.1	0.4	0.1	0.8	0.9	3.3
79205	2097	0.0	1.1	0.4	0.1	0.8	0.9	3.3
79570	2098	0.0	1.1	0.4	0.1	0.8	0.9	3.3
79935	2099	0.0	1.1	0.4	0.1	0.8	0.9	3.3
80300	2100	0.0	1.1	0.4	0.1	0.8	0.9	3.4
80665	2101	0.0	1.1	0.4	0.1	0.9	0.9	3.4
81030	2102	0.0	1.1	0.4	0.1	0.9	0.9	3.4
81395	2103	0.0	1.1	0.4	0.1	0.9	0.9	3.4
81760	2104	0.0	1.1	0.4	0.1	0.9	0.9	3.4
82125	2105	0.0	1.1	0.4	0.1	0.9	1.0	3.4
82490	2106	0.0	1.1	0.4	0.1	0.9	1.0	3.4
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S2). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 2)



B-3(S2). Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
365	1961	0	31	1	1	3	5	**41**	***0***
730	1962	0	31	1	1	3	6	**42**	***0***
1095	1963	0	31	1	1	3	6	**43**	***0***
1460	1964	0	31	1	1	3	7	**43**	***1***
1825	1965	0	32	1	1	3	7	**44**	***1***
2190	1966	0	32	1	1	3	8	**45**	***1***
2555	1967	0	32	1	1	3	8	**46**	***1***
2920	1968	0	32	1	1	3	9	**46**	***1***
3285	1969	0	32	1	1	3	9	**47**	***1***
3650	1970	0	33	2	1	3	9	**48**	***1***
4015	1971	0	33	2	1	3	10	**49**	***1***
4380	1972	0	33	2	1	3	10	**49**	***1***
4745	1973	0	33	2	1	3	11	**50**	***1***
5110	1974	0	33	2	1	3	11	**51**	***1***
5475	1975	0	33	2	1	3	12	**52**	***1***
5840	1976	0	34	2	1	3	12	**53**	***1***
6205	1977	0	34	3	1	3	12	**53**	***1***
6570	1978	0	34	3	1	3	13	**54**	***1***
6935	1979	0	34	3	1	3	13	**55**	***1***
7300	1980	0	92	13	1	16	19	**142**	***2***
7665	1981	0	127	22	1	29	21	**201**	***2***
8030	1982	0	260	48	2	69	29	**407**	***5***
8395	1983	1	355	75	2	105	32	**570**	***7***
8760	1984	1	418	98	2	131	35	**684**	***8***
9125	1985	1	471	117	2	152	36	**781**	***9***
9490	1986	1	515	133	3	179	38	**869**	***10***
9855	1987	2	563	147	3	206	40	**960**	***11***
10220	1988	2	594	158	3	224	41	**1022**	***12***
10585	1989	2	623	168	3	239	42	**1077**	***12***
10950	1990	2	638	176	3	248	43	**1110**	***13***
11315	1991	2	655	183	3	256	44	**1144**	***13***
11680	1992	2	660	189	3	260	44	**1159**	***13***
12045	1993	2	669	195	3	264	45	**1179**	***14***
12410	1994	2	660	199	3	259	45	**1168**	***14***
12775	1995	2	655	203	3	253	45	**1161**	***13***
13140	1996	1	640	206	3	247	45	**1143**	***13***
13505	1997	1	634	208	3	244	45	**1136**	***13***
13870	1998	1	619	210	3	239	45	**1117**	***13***

B-3(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
14235	**1999**	1	611	211	3	235	45	**1107**	***13***
14600	**2000**	1	607	213	3	234	44	**1102**	***13***
14965	**2001**	1	605	214	3	232	44	**1100**	***13***
15330	**2002**	1	604	215	3	232	44	**1100**	***13***
15695	**2003**	1	604	216	3	231	44	**1100**	***13***
16060	**2004**	1	605	217	3	231	44	**1102**	***13***
16425	**2005**	1	605	218	3	231	44	**1103**	***13***
16790	**2006**	1	606	218	3	232	44	**1105**	***13***
17155	**2007**	1	607	219	3	232	44	**1107**	***13***
17520	**2008**	1	608	220	3	232	44	**1109**	***13***
17885	**2009**	1	609	220	3	233	44	**1111**	***13***
18250	**2010**	1	611	220	3	233	44	**1113**	***13***
18615	**2011**	1	606	221	3	227	44	**1102**	***13***
18980	**2012**	1	598	221	3	220	44	**1088**	***13***
19345	**2013**	1	593	221	3	215	44	**1077**	***12***
19710	**2014**	1	589	221	3	212	44	**1070**	***12***
20075	**2015**	1	585	222	3	210	43	**1064**	***12***
20440	**2016**	1	583	222	3	208	43	**1060**	***12***
20805	**2017**	1	581	222	3	207	43	**1057**	***12***
21170	**2018**	1	580	222	3	205	43	**1055**	***12***
21535	**2019**	1	579	222	3	205	43	**1053**	***12***
21900	**2020**	1	579	222	3	204	43	**1051**	***12***
22265	**2021**	1	578	222	3	203	43	**1050**	***12***
22630	**2022**	1	578	222	3	203	43	**1049**	***12***
22995	**2023**	1	578	222	3	203	42	**1049**	***12***
23360	**2024**	1	578	222	3	202	42	**1048**	***12***
23725	**2025**	1	578	222	3	202	42	**1048**	***12***
24090	**2026**	1	578	222	3	202	42	**1048**	***12***
24455	**2027**	1	578	222	3	202	42	**1048**	***12***
24820	**2028**	1	578	222	3	201	42	**1048**	***12***
25185	**2029**	1	578	222	3	201	42	**1048**	***12***
25550	**2030**	1	579	222	3	201	42	**1048**	***12***
25915	**2031**	1	579	222	3	201	42	**1048**	***12***
26280	**2032**	1	579	222	3	201	42	**1049**	***12***
26645	**2033**	1	580	222	3	201	42	**1049**	***12***
27010	**2034**	1	580	222	3	201	42	**1050**	***12***

B-3(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
27375	2035	1	580	222	3	201	42	1050	12
27740	2036	1	581	222	3	201	42	1050	12
28105	2037	1	581	222	3	201	42	1051	12
28470	2038	1	582	222	3	201	42	1051	12
28835	2039	1	582	222	3	201	42	1052	12
29200	2040	1	582	222	3	201	42	1052	12
29565	2041	1	583	222	3	201	42	1053	12
29930	2042	1	583	222	3	201	42	1053	12
30295	2043	1	584	222	3	201	42	1053	12
30660	2044	1	584	222	3	201	42	1054	12
31025	2045	1	584	222	3	201	42	1054	12
31390	2046	1	585	222	3	201	42	1055	12
31755	2047	1	585	222	3	201	42	1055	12
32120	2048	1	585	222	3	201	42	1056	12
32485	2049	1	586	222	3	201	42	1056	12
32850	2050	1	586	222	3	201	42	1056	12
33215	2051	1	586	222	3	201	43	1057	12
33580	2052	1	587	222	3	201	43	1057	12
33945	2053	1	587	222	3	201	43	1058	12
34310	2054	1	587	222	3	201	43	1058	12
34675	2055	1	588	222	3	201	43	1058	12
35040	2056	1	588	222	3	201	43	1059	12
35405	2057	1	588	222	3	201	43	1059	12
35770	2058	1	589	222	3	201	43	1059	12
36135	2059	1	589	222	3	202	43	1060	12
36500	2060	1	589	222	3	202	43	1060	12
36865	2061	1	589	222	3	202	43	1060	12
37230	2062	1	590	222	3	202	43	1060	12
37595	2063	1	590	222	3	202	43	1061	12
37960	2064	1	590	222	3	202	43	1061	12
38325	2065	1	590	222	3	202	43	1061	12
38690	2066	1	590	222	3	202	43	1061	12
39055	2067	1	591	222	3	202	43	1062	12
39420	2068	1	591	222	3	202	43	1062	12
39785	2069	1	591	222	3	202	43	1062	12
40150	2070	1	591	222	3	202	43	1062	12

B-3(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
40515	2071	1	591	222	3	202	43	1063	12
40880	2072	1	592	223	3	202	43	1063	12
41245	2073	1	592	223	3	202	43	1063	12
41610	2074	1	592	223	3	202	43	1063	12
41975	2075	1	592	223	3	202	43	1063	12
42340	2076	1	592	223	3	202	43	1064	12
42705	2077	1	592	223	3	202	43	1064	12
43070	2078	1	592	223	3	202	43	1064	12
43435	2079	1	593	223	3	202	43	1064	12
43800	2080	1	593	223	3	202	43	1064	12
44165	2081	1	593	223	3	202	43	1064	12
44530	2082	1	593	223	3	202	43	1064	12
44895	2083	1	593	223	3	202	43	1065	12
45260	2084	1	593	223	3	202	43	1065	12
45625	2085	1	593	223	3	202	43	1065	12
45990	2086	1	593	223	3	202	43	1065	12
46355	2087	1	593	223	3	202	43	1065	12
46720	2088	1	593	223	3	202	43	1065	12
47085	2089	1	594	223	3	202	43	1065	12
47450	2090	1	594	223	3	202	43	1065	12
47815	2091	1	594	223	3	202	43	1065	12
48180	2092	1	594	223	3	202	43	1066	12
48545	2093	1	594	223	3	202	43	1066	12
48910	2094	1	594	223	3	202	43	1066	12
49275	2095	1	594	223	3	202	43	1066	12
49640	2096	1	594	223	3	202	43	1066	12
50005	2097	1	594	223	3	202	43	1066	12
50370	2098	1	594	223	3	202	43	1066	12
50735	2099	1	594	223	3	202	43	1066	12
51100	2100	1	594	223	3	202	43	1066	12
51465	2101	1	594	223	3	202	43	1066	12
51830	2102	1	594	223	3	202	43	1066	12
52195	2103	1	594	223	3	202	43	1066	12
52560	2104	1	594	223	3	202	43	1066	12
52925	2105	1	595	223	3	202	43	1067	12
53290	2106	1	595	223	3	202	43	1067	12

B-3(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
365	1961	0.0	0.2	0.0	0.0	0.1	0.1	0.3
730	1962	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1095	1963	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1460	1964	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1825	1965	0.0	0.2	0.0	0.0	0.1	0.1	0.4
2190	1966	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2555	1967	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2920	1968	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3285	1969	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3650	1970	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4015	1971	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4380	1972	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4745	1973	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5110	1974	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5475	1975	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5840	1976	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6205	1977	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6570	1978	0.0	0.2	0.0	0.0	0.1	0.3	0.5
6935	1979	0.0	0.2	0.0	0.0	0.1	0.3	0.6
7300	1980	0.0	0.5	0.1	0.0	0.3	0.4	1.3
7665	1981	0.0	0.6	0.2	0.0	0.6	0.4	1.9
8030	1982	0.0	1.3	0.5	0.0	1.4	0.6	3.8
8395	1983	0.0	1.8	0.8	0.0	2.1	0.6	5.3
8760	1984	0.0	2.1	1.0	0.0	2.6	0.7	6.4
9125	1985	0.0	2.4	1.2	0.0	3.0	0.7	7.4
9490	1986	0.0	2.6	1.3	0.1	3.6	0.8	8.3
9855	1987	0.0	2.8	1.5	0.1	4.1	0.8	9.3
10220	1988	0.0	3.0	1.6	0.1	4.5	0.8	9.9
10585	1989	0.0	3.1	1.7	0.1	4.8	0.8	10.5
10950	1990	0.0	3.2	1.8	0.1	5.0	0.9	10.9
11315	1991	0.0	3.3	1.8	0.1	5.1	0.9	11.2
11680	1992	0.0	3.3	1.9	0.1	5.2	0.9	11.4
12045	1993	0.0	3.3	1.9	0.1	5.3	0.9	11.6
12410	1994	0.0	3.3	2.0	0.1	5.2	0.9	11.5
12775	1995	0.0	3.3	2.0	0.1	5.1	0.9	11.4
13140	1996	0.0	3.2	2.1	0.1	4.9	0.9	11.2
13505	1997	0.0	3.2	2.1	0.1	4.9	0.9	11.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3A). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
13870	1998	0.0	3.1	2.1	0.1	4.8	0.9	10.9
14235	1999	0.0	3.1	2.1	0.1	4.7	0.9	10.9
14600	2000	0.0	3.0	2.1	0.1	4.7	0.9	10.8
14965	2001	0.0	3.0	2.1	0.1	4.6	0.9	10.8
15330	2002	0.0	3.0	2.2	0.1	4.6	0.9	10.8
15695	2003	0.0	3.0	2.2	0.1	4.6	0.9	10.8
16060	2004	0.0	3.0	2.2	0.1	4.6	0.9	10.8
16425	2005	0.0	3.0	2.2	0.1	4.6	0.9	10.8
16790	2006	0.0	3.0	2.2	0.1	4.6	0.9	10.8
17155	2007	0.0	3.0	2.2	0.1	4.6	0.9	10.8
17520	2008	0.0	3.0	2.2	0.1	4.6	0.9	10.8
17885	2009	0.0	3.0	2.2	0.1	4.7	0.9	10.9
18250	2010	0.0	3.1	2.2	0.1	4.7	0.9	10.9
18615	2011	0.0	3.0	2.2	0.1	4.5	0.9	10.7
18980	2012	0.0	3.0	2.2	0.1	4.4	0.9	10.6
19345	2013	0.0	3.0	2.2	0.1	4.3	0.9	10.4
19710	2014	0.0	2.9	2.2	0.1	4.2	0.9	10.4
20075	2015	0.0	2.9	2.2	0.1	4.2	0.9	10.3
20440	2016	0.0	2.9	2.2	0.1	4.2	0.9	10.2
20805	2017	0.0	2.9	2.2	0.1	4.1	0.9	10.2
21170	2018	0.0	2.9	2.2	0.1	4.1	0.9	10.2
21535	2019	0.0	2.9	2.2	0.1	4.1	0.9	10.1
21900	2020	0.0	2.9	2.2	0.1	4.1	0.9	10.1
22265	2021	0.0	2.9	2.2	0.1	4.1	0.9	10.1
22630	2022	0.0	2.9	2.2	0.1	4.1	0.9	10.1
22995	2023	0.0	2.9	2.2	0.1	4.1	0.8	10.1
23360	2024	0.0	2.9	2.2	0.1	4.0	0.8	10.1
23725	2025	0.0	2.9	2.2	0.1	4.0	0.8	10.1
24090	2026	0.0	2.9	2.2	0.1	4.0	0.8	10.1
24455	2027	0.0	2.9	2.2	0.1	4.0	0.8	10.1
24820	2028	0.0	2.9	2.2	0.1	4.0	0.8	10.1
25185	2029	0.0	2.9	2.2	0.1	4.0	0.8	10.1
25550	2030	0.0	2.9	2.2	0.1	4.0	0.8	10.1
25915	2031	0.0	2.9	2.2	0.1	4.0	0.8	10.1
26280	2032	0.0	2.9	2.2	0.1	4.0	0.8	10.1
26645	2033	0.0	2.9	2.2	0.1	4.0	0.8	10.1
27010	2034	0.0	2.9	2.2	0.1	4.0	0.8	10.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

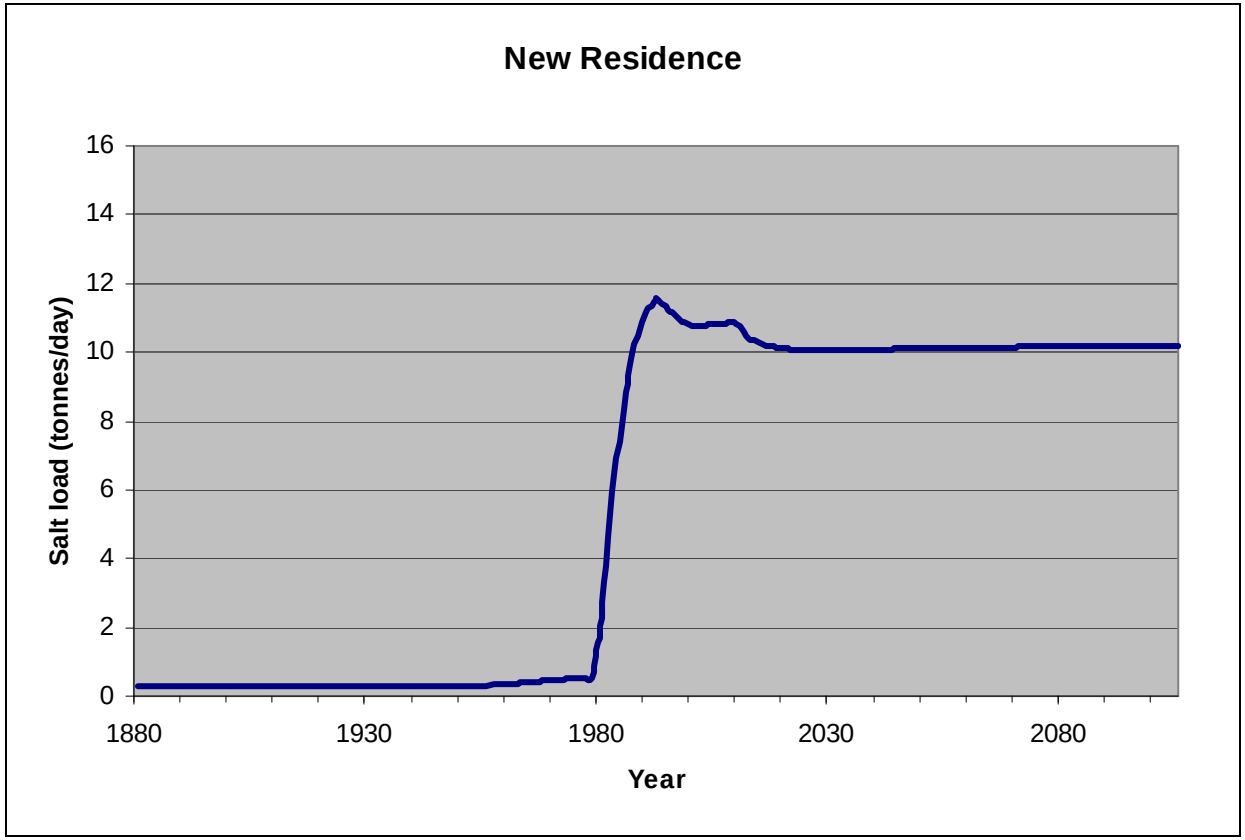
B-3(S3A). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
27375	2035	0.0	2.9	2.2	0.1	4.0	0.8	10.1
27740	2036	0.0	2.9	2.2	0.1	4.0	0.8	10.1
28105	2037	0.0	2.9	2.2	0.1	4.0	0.8	10.1
28470	2038	0.0	2.9	2.2	0.1	4.0	0.8	10.1
28835	2039	0.0	2.9	2.2	0.1	4.0	0.8	10.1
29200	2040	0.0	2.9	2.2	0.1	4.0	0.8	10.1
29565	2041	0.0	2.9	2.2	0.1	4.0	0.8	10.1
29930	2042	0.0	2.9	2.2	0.1	4.0	0.8	10.1
30295	2043	0.0	2.9	2.2	0.1	4.0	0.8	10.1
30660	2044	0.0	2.9	2.2	0.1	4.0	0.8	10.1
31025	2045	0.0	2.9	2.2	0.1	4.0	0.8	10.1
31390	2046	0.0	2.9	2.2	0.1	4.0	0.8	10.1
31755	2047	0.0	2.9	2.2	0.1	4.0	0.8	10.1
32120	2048	0.0	2.9	2.2	0.1	4.0	0.8	10.1
32485	2049	0.0	2.9	2.2	0.1	4.0	0.8	10.1
32850	2050	0.0	2.9	2.2	0.1	4.0	0.8	10.1
33215	2051	0.0	2.9	2.2	0.1	4.0	0.9	10.1
33580	2052	0.0	2.9	2.2	0.1	4.0	0.9	10.1
33945	2053	0.0	2.9	2.2	0.1	4.0	0.9	10.1
34310	2054	0.0	2.9	2.2	0.1	4.0	0.9	10.1
34675	2055	0.0	2.9	2.2	0.1	4.0	0.9	10.1
35040	2056	0.0	2.9	2.2	0.1	4.0	0.9	10.1
35405	2057	0.0	2.9	2.2	0.1	4.0	0.9	10.1
35770	2058	0.0	2.9	2.2	0.1	4.0	0.9	10.1
36135	2059	0.0	2.9	2.2	0.1	4.0	0.9	10.1
36500	2060	0.0	2.9	2.2	0.1	4.0	0.9	10.1
36865	2061	0.0	2.9	2.2	0.1	4.0	0.9	10.1
37230	2062	0.0	2.9	2.2	0.1	4.0	0.9	10.1
37595	2063	0.0	2.9	2.2	0.1	4.0	0.9	10.1
37960	2064	0.0	2.9	2.2	0.1	4.0	0.9	10.1
38325	2065	0.0	3.0	2.2	0.1	4.0	0.9	10.1
38690	2066	0.0	3.0	2.2	0.1	4.0	0.9	10.1
39055	2067	0.0	3.0	2.2	0.1	4.0	0.9	10.1
39420	2068	0.0	3.0	2.2	0.1	4.0	0.9	10.1
39785	2069	0.0	3.0	2.2	0.1	4.0	0.9	10.1
40150	2070	0.0	3.0	2.2	0.1	4.0	0.9	10.2
40515	2071	0.0	3.0	2.2	0.1	4.0	0.9	10.2
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3A). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
40880	2072	0.0	3.0	2.2	0.1	4.0	0.9	10.2
41245	2073	0.0	3.0	2.2	0.1	4.0	0.9	10.2
41610	2074	0.0	3.0	2.2	0.1	4.0	0.9	10.2
41975	2075	0.0	3.0	2.2	0.1	4.0	0.9	10.2
42340	2076	0.0	3.0	2.2	0.1	4.0	0.9	10.2
42705	2077	0.0	3.0	2.2	0.1	4.0	0.9	10.2
43070	2078	0.0	3.0	2.2	0.1	4.0	0.9	10.2
43435	2079	0.0	3.0	2.2	0.1	4.0	0.9	10.2
43800	2080	0.0	3.0	2.2	0.1	4.0	0.9	10.2
44165	2081	0.0	3.0	2.2	0.1	4.0	0.9	10.2
44530	2082	0.0	3.0	2.2	0.1	4.0	0.9	10.2
44895	2083	0.0	3.0	2.2	0.1	4.0	0.9	10.2
45260	2084	0.0	3.0	2.2	0.1	4.0	0.9	10.2
45625	2085	0.0	3.0	2.2	0.1	4.0	0.9	10.2
45990	2086	0.0	3.0	2.2	0.1	4.0	0.9	10.2
46355	2087	0.0	3.0	2.2	0.1	4.0	0.9	10.2
46720	2088	0.0	3.0	2.2	0.1	4.0	0.9	10.2
47085	2089	0.0	3.0	2.2	0.1	4.0	0.9	10.2
47450	2090	0.0	3.0	2.2	0.1	4.0	0.9	10.2
47815	2091	0.0	3.0	2.2	0.1	4.0	0.9	10.2
48180	2092	0.0	3.0	2.2	0.1	4.0	0.9	10.2
48545	2093	0.0	3.0	2.2	0.1	4.0	0.9	10.2
48910	2094	0.0	3.0	2.2	0.1	4.0	0.9	10.2
49275	2095	0.0	3.0	2.2	0.1	4.0	0.9	10.2
49640	2096	0.0	3.0	2.2	0.1	4.0	0.9	10.2
50005	2097	0.0	3.0	2.2	0.1	4.0	0.9	10.2
50370	2098	0.0	3.0	2.2	0.1	4.0	0.9	10.2
50735	2099	0.0	3.0	2.2	0.1	4.0	0.9	10.2
51100	2100	0.0	3.0	2.2	0.1	4.0	0.9	10.2
51465	2101	0.0	3.0	2.2	0.1	4.0	0.9	10.2
51830	2102	0.0	3.0	2.2	0.1	4.0	0.9	10.2
52195	2103	0.0	3.0	2.2	0.1	4.0	0.9	10.2
52560	2104	0.0	3.0	2.2	0.1	4.0	0.9	10.2
52925	2105	0.0	3.0	2.2	0.1	4.0	0.9	10.2
53290	2106	0.0	3.0	2.2	0.1	4.0	0.9	10.2
Salinity (mg/L)		*15,000*	*5,000*	*10,000*	*20,000*	*20,000*	*20,000*	

B-3(S3A). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3A)



B-3(S3A). Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
365	1961	0	31	1	1	3	5	41	0
730	1962	0	31	1	1	3	6	42	0
1095	1963	0	31	1	1	3	6	43	0
1460	1964	0	31	1	1	3	7	43	1
1825	1965	0	32	1	1	3	7	44	1
2190	1966	0	32	1	1	3	8	45	1
2555	1967	0	32	1	1	3	8	46	1
2920	1968	0	32	1	1	3	9	46	1
3285	1969	0	32	1	1	3	9	47	1
3650	1970	0	33	2	1	3	9	48	1
4015	1971	0	33	2	1	3	10	49	1
4380	1972	0	33	2	1	3	10	49	1
4745	1973	0	33	2	1	3	11	50	1
5110	1974	0	33	2	1	3	11	51	1
5475	1975	0	33	2	1	3	12	52	1
5840	1976	0	34	2	1	3	12	53	1
6205	1977	0	34	3	1	3	12	53	1
6570	1978	0	34	3	1	3	13	54	1
6935	1979	0	34	3	1	3	13	55	1
7300	1980	0	92	13	1	16	19	142	2
7665	1981	0	127	22	1	29	21	201	2
8030	1982	0	260	48	2	69	29	407	5
8395	1983	1	355	75	2	105	32	570	7
8760	1984	1	418	98	2	131	35	684	8
9125	1985	1	471	117	2	152	36	781	9
9490	1986	1	515	133	3	179	38	869	10
9855	1987	2	563	147	3	206	40	960	11
10220	1988	2	594	158	3	224	41	1022	12
10585	1989	2	623	168	3	239	42	1077	12
10950	1990	2	638	176	3	248	43	1110	13
11315	1991	2	655	183	3	256	44	1144	13
11680	1992	2	660	189	3	260	44	1159	13
12045	1993	2	669	195	3	264	45	1179	14
12410	1994	2	660	199	3	259	45	1168	14
12775	1995	2	655	203	3	253	45	1161	13
13140	1996	1	640	206	3	247	45	1143	13
13505	1997	1	634	208	3	244	45	1136	13
13870	1998	1	619	210	3	239	45	1117	13

B-3(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
14235	**1999**	1	611	211	3	235	44	**1107**	***13***
14600	**2000**	1	595	212	3	230	44	**1086**	***13***
14965	**2001**	1	586	213	3	227	44	**1073**	***12***
15330	**2002**	1	580	214	3	224	43	**1066**	***12***
15695	**2003**	1	577	215	3	223	43	**1061**	***12***
16060	**2004**	1	574	215	3	221	43	**1058**	***12***
16425	**2005**	1	572	216	3	220	43	**1055**	***12***
16790	**2006**	1	571	217	3	220	43	**1054**	***12***
17155	**2007**	1	570	217	3	219	43	**1053**	***12***
17520	**2008**	1	570	217	3	219	43	**1053**	***12***
17885	**2009**	1	569	218	3	219	43	**1052**	***12***
18250	**2010**	1	569	218	3	219	42	**1052**	***12***
18615	**2011**	1	563	218	3	212	42	**1040**	***12***
18980	**2012**	1	555	218	3	205	42	**1025**	***12***
19345	**2013**	1	548	219	3	200	42	**1013**	***12***
19710	**2014**	1	543	219	3	196	42	**1004**	***12***
20075	**2015**	1	539	219	3	194	42	**997**	***12***
20440	**2016**	1	536	219	3	192	41	**992**	***11***
20805	**2017**	1	531	211	3	189	40	**975**	***11***
21170	**2018**	1	527	206	3	187	39	**963**	***11***
21535	**2019**	1	521	195	3	185	37	**942**	***11***
21900	**2020**	1	516	187	3	183	36	**926**	***11***
22265	**2021**	1	511	174	3	181	34	**903**	***10***
22630	**2022**	1	505	164	3	179	33	**884**	***10***
22995	**2023**	1	499	150	3	176	31	**859**	***10***
23360	**2024**	1	494	139	3	174	30	**840**	***10***
23725	**2025**	1	490	130	3	173	29	**825**	***10***
24090	**2026**	1	487	124	3	172	28	**814**	***9***
24455	**2027**	0	476	118	3	167	28	**792**	***9***
24820	**2028**	0	469	114	3	164	27	**777**	***9***
25185	**2029**	0	463	110	3	162	27	**765**	***9***
25550	**2030**	0	459	107	3	160	26	**756**	***9***
25915	**2031**	0	456	104	3	158	26	**748**	***9***
26280	**2032**	0	454	102	3	157	26	**741**	***9***
26645	**2033**	0	451	100	3	156	26	**736**	***9***
27010	**2034**	0	449	98	3	155	25	**731**	***8***

B-3(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
27375	2035	0	448	97	3	155	25	727	8
27740	2036	0	446	95	3	154	25	724	8
28105	2037	0	445	94	3	153	25	721	8
28470	2038	0	444	93	3	153	25	718	8
28835	2039	0	443	93	3	152	25	715	8
29200	2040	0	442	92	3	152	25	713	8
29565	2041	0	441	91	3	151	25	711	8
29930	2042	0	440	91	3	151	25	710	8
30295	2043	0	440	90	3	151	25	708	8
30660	2044	0	439	90	3	150	24	707	8
31025	2045	0	438	90	3	150	24	705	8
31390	2046	0	438	89	3	150	24	704	8
31755	2047	0	437	89	3	150	24	703	8
32120	2048	0	437	89	3	149	24	702	8
32485	2049	0	436	89	3	149	24	702	8
32850	2050	0	436	89	3	149	24	701	8
33215	2051	0	436	88	3	149	24	700	8
33580	2052	0	435	88	3	149	24	699	8
33945	2053	0	435	88	3	149	24	699	8
34310	2054	0	435	88	3	148	24	698	8
34675	2055	0	435	88	3	148	24	698	8
35040	2056	0	434	88	3	148	24	697	8
35405	2057	0	434	88	3	148	24	697	8
35770	2058	0	434	88	3	148	24	696	8
36135	2059	0	434	88	3	148	24	696	8
36500	2060	0	433	88	3	148	24	696	8
36865	2061	0	433	88	3	148	24	695	8
37230	2062	0	433	88	3	148	24	695	8
37595	2063	0	433	87	3	148	24	695	8
37960	2064	0	433	87	3	147	24	695	8
38325	2065	0	433	87	3	147	24	694	8
38690	2066	0	433	87	3	147	24	694	8
39055	2067	0	432	87	3	147	24	694	8
39420	2068	0	432	87	3	147	24	694	8
39785	2069	0	432	87	3	147	24	693	8
40150	2070	0	432	87	3	147	24	693	8

B-3(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
40515	2071	0	432	87	3	147	24	693	8
40880	2072	0	432	87	3	147	24	693	8
41245	2073	0	432	87	3	147	24	693	8
41610	2074	0	432	87	3	147	24	693	8
41975	2075	0	432	87	3	147	24	693	8
42340	2076	0	432	87	3	147	24	692	8
42705	2077	0	432	87	3	147	24	692	8
43070	2078	0	431	87	3	147	24	692	8
43435	2079	0	431	87	3	147	24	692	8
43800	2080	0	431	87	3	147	24	692	8
44165	2081	0	431	87	3	147	24	692	8
44530	2082	0	431	87	3	147	24	692	8
44895	2083	0	431	87	3	147	24	692	8
45260	2084	0	431	87	3	147	24	692	8
45625	2085	0	431	87	3	147	24	692	8
45990	2086	0	431	87	3	147	24	692	8
46355	2087	0	431	87	3	147	24	691	8
46720	2088	0	431	87	3	147	24	691	8
47085	2089	0	431	87	3	147	24	691	8
47450	2090	0	431	87	3	147	24	691	8
47815	2091	0	431	87	3	147	24	691	8
48180	2092	0	431	87	3	147	24	691	8
48545	2093	0	431	87	3	147	24	691	8
48910	2094	0	431	87	3	147	24	691	8
49275	2095	0	431	87	3	147	24	691	8
49640	2096	0	431	87	3	146	24	691	8
50005	2097	0	431	87	3	146	24	691	8
50370	2098	0	431	87	3	146	24	691	8
50735	2099	0	431	87	3	146	24	691	8
51100	2100	0	431	87	3	146	24	691	8
51465	2101	0	431	87	3	146	24	691	8
51830	2102	0	431	87	3	146	24	691	8
52195	2103	0	431	87	3	146	24	691	8
52560	2104	0	431	87	3	146	24	691	8
52925	2105	0	431	87	3	146	24	691	8
53290	2106	0	431	87	3	146	24	691	8

B-3(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
365	1961	0.0	0.2	0.0	0.0	0.1	0.1	0.3
730	1962	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1095	1963	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1460	1964	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1825	1965	0.0	0.2	0.0	0.0	0.1	0.1	0.4
2190	1966	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2555	1967	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2920	1968	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3285	1969	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3650	1970	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4015	1971	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4380	1972	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4745	1973	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5110	1974	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5475	1975	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5840	1976	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6205	1977	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6570	1978	0.0	0.2	0.0	0.0	0.1	0.3	0.5
6935	1979	0.0	0.2	0.0	0.0	0.1	0.3	0.6
7300	1980	0.0	0.5	0.1	0.0	0.3	0.4	1.3
7665	1981	0.0	0.6	0.2	0.0	0.6	0.4	1.9
8030	1982	0.0	1.3	0.5	0.0	1.4	0.6	3.8
8395	1983	0.0	1.8	0.8	0.0	2.1	0.6	5.3
8760	1984	0.0	2.1	1.0	0.0	2.6	0.7	6.4
9125	1985	0.0	2.4	1.2	0.0	3.0	0.7	7.4
9490	1986	0.0	2.6	1.3	0.1	3.6	0.8	8.3
9855	1987	0.0	2.8	1.5	0.1	4.1	0.8	9.3
10220	1988	0.0	3.0	1.6	0.1	4.5	0.8	9.9
10585	1989	0.0	3.1	1.7	0.1	4.8	0.8	10.5
10950	1990	0.0	3.2	1.8	0.1	5.0	0.9	10.9
11315	1991	0.0	3.3	1.8	0.1	5.1	0.9	11.2
11680	1992	0.0	3.3	1.9	0.1	5.2	0.9	11.4
12045	1993	0.0	3.3	1.9	0.1	5.3	0.9	11.6
12410	1994	0.0	3.3	2.0	0.1	5.2	0.9	11.5
12775	1995	0.0	3.3	2.0	0.1	5.1	0.9	11.4
13140	1996	0.0	3.2	2.1	0.1	4.9	0.9	11.2
13505	1997	0.0	3.2	2.1	0.1	4.9	0.9	11.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3B). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
13870	1998	0.0	3.1	2.1	0.1	4.8	0.9	10.9
14235	1999	0.0	3.1	2.1	0.1	4.7	0.9	10.8
14600	2000	0.0	3.0	2.1	0.1	4.6	0.9	10.7
14965	2001	0.0	2.9	2.1	0.1	4.5	0.9	10.5
15330	2002	0.0	2.9	2.1	0.1	4.5	0.9	10.5
15695	2003	0.0	2.9	2.1	0.1	4.5	0.9	10.4
16060	2004	0.0	2.9	2.2	0.1	4.4	0.9	10.4
16425	2005	0.0	2.9	2.2	0.1	4.4	0.9	10.4
16790	2006	0.0	2.9	2.2	0.1	4.4	0.9	10.3
17155	2007	0.0	2.9	2.2	0.1	4.4	0.9	10.3
17520	2008	0.0	2.8	2.2	0.1	4.4	0.9	10.3
17885	2009	0.0	2.8	2.2	0.1	4.4	0.9	10.3
18250	2010	0.0	2.8	2.2	0.1	4.4	0.8	10.3
18615	2011	0.0	2.8	2.2	0.1	4.2	0.8	10.2
18980	2012	0.0	2.8	2.2	0.1	4.1	0.8	10.0
19345	2013	0.0	2.7	2.2	0.1	4.0	0.8	9.8
19710	2014	0.0	2.7	2.2	0.1	3.9	0.8	9.7
20075	2015	0.0	2.7	2.2	0.1	3.9	0.8	9.7
20440	2016	0.0	2.7	2.2	0.1	3.8	0.8	9.6
20805	2017	0.0	2.7	2.1	0.1	3.8	0.8	9.4
21170	2018	0.0	2.6	2.1	0.1	3.7	0.8	9.3
21535	2019	0.0	2.6	1.9	0.1	3.7	0.7	9.1
21900	2020	0.0	2.6	1.9	0.1	3.7	0.7	8.9
22265	2021	0.0	2.6	1.7	0.1	3.6	0.7	8.7
22630	2022	0.0	2.5	1.6	0.1	3.6	0.7	8.5
22995	2023	0.0	2.5	1.5	0.1	3.5	0.6	8.2
23360	2024	0.0	2.5	1.4	0.1	3.5	0.6	8.0
23725	2025	0.0	2.4	1.3	0.1	3.5	0.6	7.9
24090	2026	0.0	2.4	1.2	0.1	3.4	0.6	7.7
24455	2027	0.0	2.4	1.2	0.1	3.3	0.6	7.5
24820	2028	0.0	2.3	1.1	0.1	3.3	0.5	7.4
25185	2029	0.0	2.3	1.1	0.1	3.2	0.5	7.2
25550	2030	0.0	2.3	1.1	0.1	3.2	0.5	7.2
25915	2031	0.0	2.3	1.0	0.1	3.2	0.5	7.1
26280	2032	0.0	2.3	1.0	0.1	3.1	0.5	7.0
26645	2033	0.0	2.3	1.0	0.1	3.1	0.5	7.0
27010	2034	0.0	2.2	1.0	0.1	3.1	0.5	6.9
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

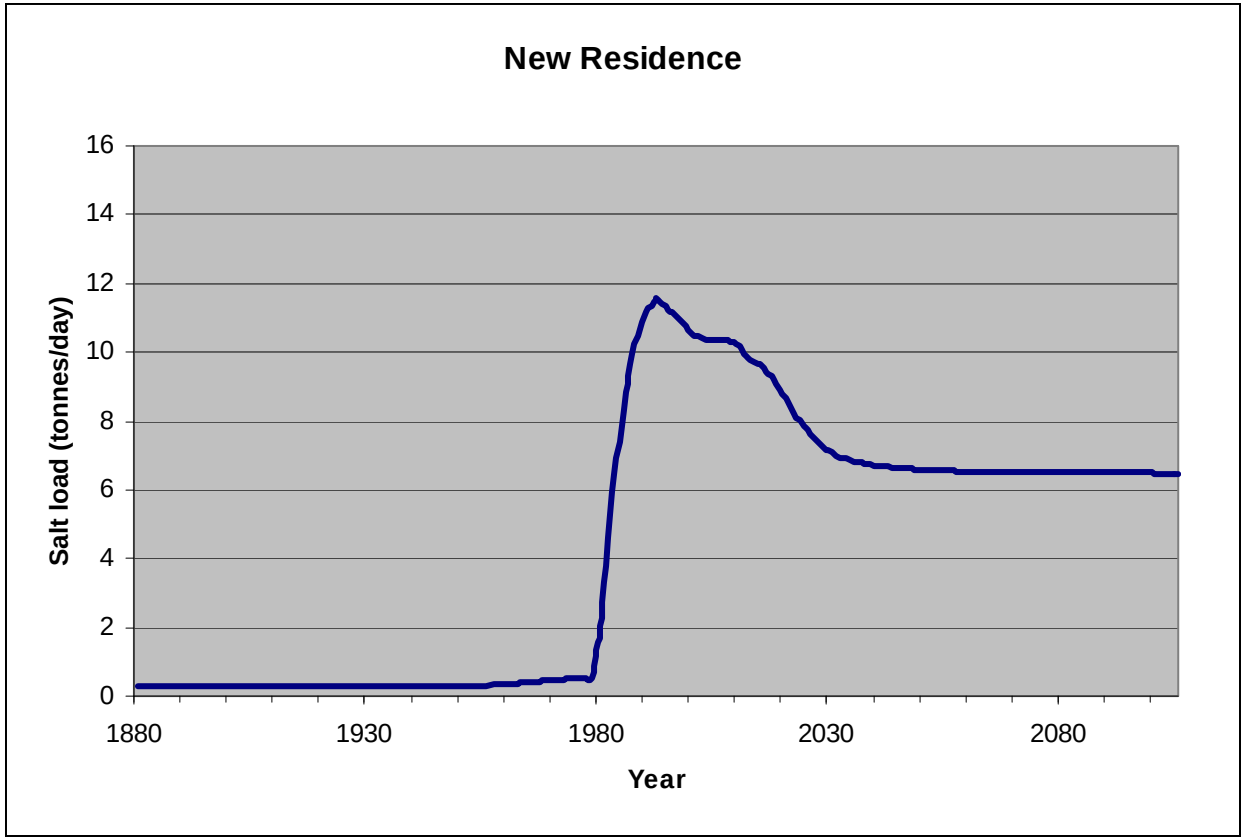
B-3(S3B). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
27375	2035	0.0	2.2	1.0	0.1	3.1	0.5	**6.9**
27740	2036	0.0	2.2	1.0	0.1	3.1	0.5	**6.8**
28105	2037	0.0	2.2	0.9	0.1	3.1	0.5	**6.8**
28470	2038	0.0	2.2	0.9	0.1	3.1	0.5	**6.8**
28835	2039	0.0	2.2	0.9	0.1	3.0	0.5	**6.7**
29200	2040	0.0	2.2	0.9	0.1	3.0	0.5	**6.7**
29565	2041	0.0	2.2	0.9	0.1	3.0	0.5	**6.7**
29930	2042	0.0	2.2	0.9	0.1	3.0	0.5	**6.7**
30295	2043	0.0	2.2	0.9	0.1	3.0	0.5	**6.7**
30660	2044	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
31025	2045	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
31390	2046	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
31755	2047	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
32120	2048	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
32485	2049	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
32850	2050	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
33215	2051	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
33580	2052	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
33945	2053	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
34310	2054	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
34675	2055	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
35040	2056	0.0	2.2	0.9	0.1	3.0	0.5	**6.6**
35405	2057	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
35770	2058	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
36135	2059	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
36500	2060	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
36865	2061	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
37230	2062	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
37595	2063	0.0	2.2	0.9	0.1	3.0	0.5	**6.5**
37960	2064	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
38325	2065	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
38690	2066	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
39055	2067	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
39420	2068	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
39785	2069	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
40150	2070	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
40515	2071	0.0	2.2	0.9	0.1	2.9	0.5	**6.5**
Salinity (mg/L)		***15,000***	***5,000***	***10,000***	***20,000***	***20,000***	***20,000***	

B-3(S3B). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
40880	2072	0.0	2.2	0.9	0.1	2.9	0.5	6.5
41245	2073	0.0	2.2	0.9	0.1	2.9	0.5	6.5
41610	2074	0.0	2.2	0.9	0.1	2.9	0.5	6.5
41975	2075	0.0	2.2	0.9	0.1	2.9	0.5	6.5
42340	2076	0.0	2.2	0.9	0.1	2.9	0.5	6.5
42705	2077	0.0	2.2	0.9	0.1	2.9	0.5	6.5
43070	2078	0.0	2.2	0.9	0.1	2.9	0.5	6.5
43435	2079	0.0	2.2	0.9	0.1	2.9	0.5	6.5
43800	2080	0.0	2.2	0.9	0.1	2.9	0.5	6.5
44165	2081	0.0	2.2	0.9	0.1	2.9	0.5	6.5
44530	2082	0.0	2.2	0.9	0.1	2.9	0.5	6.5
44895	2083	0.0	2.2	0.9	0.1	2.9	0.5	6.5
45260	2084	0.0	2.2	0.9	0.1	2.9	0.5	6.5
45625	2085	0.0	2.2	0.9	0.1	2.9	0.5	6.5
45990	2086	0.0	2.2	0.9	0.1	2.9	0.5	6.5
46355	2087	0.0	2.2	0.9	0.1	2.9	0.5	6.5
46720	2088	0.0	2.2	0.9	0.1	2.9	0.5	6.5
47085	2089	0.0	2.2	0.9	0.1	2.9	0.5	6.5
47450	2090	0.0	2.2	0.9	0.1	2.9	0.5	6.5
47815	2091	0.0	2.2	0.9	0.1	2.9	0.5	6.5
48180	2092	0.0	2.2	0.9	0.1	2.9	0.5	6.5
48545	2093	0.0	2.2	0.9	0.1	2.9	0.5	6.5
48910	2094	0.0	2.2	0.9	0.1	2.9	0.5	6.5
49275	2095	0.0	2.2	0.9	0.1	2.9	0.5	6.5
49640	2096	0.0	2.2	0.9	0.1	2.9	0.5	6.5
50005	2097	0.0	2.2	0.9	0.1	2.9	0.5	6.5
50370	2098	0.0	2.2	0.9	0.1	2.9	0.5	6.5
50735	2099	0.0	2.2	0.9	0.1	2.9	0.5	6.5
51100	2100	0.0	2.2	0.9	0.1	2.9	0.5	6.5
51465	2101	0.0	2.2	0.9	0.1	2.9	0.5	6.5
51830	2102	0.0	2.2	0.9	0.1	2.9	0.5	6.5
52195	2103	0.0	2.2	0.9	0.1	2.9	0.5	6.5
52560	2104	0.0	2.2	0.9	0.1	2.9	0.5	6.5
52925	2105	0.0	2.2	0.9	0.1	2.9	0.5	6.5
53290	2106	0.0	2.2	0.9	0.1	2.9	0.5	6.5
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3B). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3B)



B-3(S3B). Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
365	1961	0	31	1	1	3	5	41	0
730	1962	0	31	1	1	3	6	42	0
1095	1963	0	31	1	1	3	6	43	0
1460	1964	0	31	1	1	3	7	43	1
1825	1965	0	32	1	1	3	7	44	1
2190	1966	0	32	1	1	3	8	45	1
2555	1967	0	32	1	1	3	8	46	1
2920	1968	0	32	1	1	3	9	46	1
3285	1969	0	32	1	1	3	9	47	1
3650	1970	0	33	2	1	3	9	48	1
4015	1971	0	33	2	1	3	10	49	1
4380	1972	0	33	2	1	3	10	49	1
4745	1973	0	33	2	1	3	11	50	1
5110	1974	0	33	2	1	3	11	51	1
5475	1975	0	33	2	1	3	12	52	1
5840	1976	0	34	2	1	3	12	53	1
6205	1977	0	34	3	1	3	12	53	1
6570	1978	0	34	3	1	3	13	54	1
6935	1979	0	34	3	1	3	13	55	1
7300	1980	0	92	13	1	16	19	142	2
7665	1981	0	127	22	1	29	21	201	2
8030	1982	0	260	48	2	69	29	407	5
8395	1983	1	355	75	2	105	32	570	7
8760	1984	1	418	98	2	131	35	684	8
9125	1985	1	471	117	2	152	36	781	9
9490	1986	1	515	133	3	179	38	869	10
9855	1987	2	563	147	3	206	40	960	11
10220	1988	2	594	158	3	224	41	1022	12
10585	1989	2	623	168	3	239	42	1077	12
10950	1990	2	638	176	3	248	43	1110	13
11315	1991	2	655	183	3	256	44	1144	13
11680	1992	2	660	189	3	260	44	1159	13
12045	1993	2	669	195	3	264	45	1179	14
12410	1994	2	660	199	3	259	45	1168	14
12775	1995	2	655	203	3	253	45	1161	13
13140	1996	1	640	206	3	247	45	1143	13
13505	1997	1	634	208	3	244	45	1136	13
13870	1998	1	619	210	3	239	45	1117	13

B-3(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
14235	**1999**	1	611	211	3	235	44	**1107**	***13***
14600	**2000**	1	595	212	3	230	44	**1086**	***13***
14965	**2001**	1	586	213	3	227	43	**1073**	***12***
15330	**2002**	1	580	214	3	224	43	**1066**	***12***
15695	**2003**	1	577	215	3	223	43	**1061**	***12***
16060	**2004**	1	574	215	3	221	43	**1057**	***12***
16425	**2005**	1	572	216	3	220	43	**1055**	***12***
16790	**2006**	1	571	216	3	220	43	**1054**	***12***
17155	**2007**	1	570	217	3	219	42	**1053**	***12***
17520	**2008**	1	570	217	3	219	42	**1052**	***12***
17885	**2009**	1	569	218	3	219	42	**1052**	***12***
18250	**2010**	1	569	218	3	219	42	**1052**	***12***
18615	**2011**	1	563	218	3	212	42	**1039**	***12***
18980	**2012**	1	555	218	3	205	42	**1024**	***12***
19345	**2013**	1	548	218	3	200	42	**1012**	***12***
19710	**2014**	1	543	218	3	196	41	**1003**	***12***
20075	**2015**	1	539	218	3	194	41	**996**	***12***
20440	**2016**	1	536	218	3	192	41	**991**	***11***
20805	**2017**	1	531	211	3	189	39	**975**	***11***
21170	**2018**	1	527	206	3	187	39	**962**	***11***
21535	**2019**	1	521	195	3	185	36	**941**	***11***
21900	**2020**	1	516	187	3	183	36	**925**	***11***
22265	**2021**	1	511	173	3	181	33	**902**	***10***
22630	**2022**	1	505	164	3	179	32	**884**	***10***
22995	**2023**	1	499	149	3	176	30	**859**	***10***
23360	**2024**	1	494	138	3	174	29	**839**	***10***
23725	**2025**	1	490	130	3	173	28	**824**	***10***
24090	**2026**	1	487	123	3	171	27	**813**	***9***
24455	**2027**	0	476	118	3	167	27	**791**	***9***
24820	**2028**	0	469	113	3	164	26	**775**	***9***
25185	**2029**	0	463	109	3	162	26	**764**	***9***
25550	**2030**	0	459	106	3	160	26	**754**	***9***
25915	**2031**	0	456	104	3	158	25	**746**	***9***
26280	**2032**	0	454	101	3	157	25	**740**	***9***
26645	**2033**	0	451	99	3	156	25	**735**	***9***
27010	**2034**	0	449	98	3	155	25	**730**	***8***

B-3(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
27375	2035	0	448	96	3	155	24	726	8
27740	2036	0	446	95	3	154	24	722	8
28105	2037	0	445	94	3	153	24	719	8
28470	2038	0	444	93	3	153	24	716	8
28835	2039	0	443	92	3	152	24	714	8
29200	2040	0	442	91	3	152	24	712	8
29565	2041	0	441	91	3	151	24	710	8
29930	2042	0	440	90	3	151	24	708	8
30295	2043	0	440	90	3	151	24	707	8
30660	2044	0	439	90	3	150	24	705	8
31025	2045	0	438	89	3	150	24	704	8
31390	2046	0	438	89	3	150	23	703	8
31755	2047	0	437	89	3	150	23	702	8
32120	2048	0	437	88	3	149	23	701	8
32485	2049	0	436	88	3	149	23	700	8
32850	2050	0	436	88	3	149	23	699	8
33215	2051	0	436	88	3	149	23	699	8
33580	2052	0	435	88	3	149	23	698	8
33945	2053	0	435	88	3	149	23	697	8
34310	2054	0	435	87	3	148	23	697	8
34675	2055	0	434	87	3	148	23	696	8
35040	2056	0	434	87	3	148	23	696	8
35405	2057	0	434	87	3	148	23	695	8
35770	2058	0	434	87	3	148	23	695	8
36135	2059	0	434	87	3	148	23	695	8
36500	2060	0	433	87	3	148	23	694	8
36865	2061	0	433	87	3	148	23	694	8
37230	2062	0	433	87	3	148	23	694	8
37595	2063	0	433	87	3	148	23	693	8
37960	2064	0	433	87	3	147	23	693	8
38325	2065	0	433	87	3	147	23	693	8
38690	2066	0	433	87	3	147	23	693	8
39055	2067	0	432	87	3	147	23	692	8
39420	2068	0	432	87	3	147	23	692	8
39785	2069	0	432	87	3	147	23	692	8
40150	2070	0	432	87	3	147	23	692	8

B-3(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
40515	2071	0	432	87	3	147	23	692	8
40880	2072	0	432	87	3	147	23	691	8
41245	2073	0	432	87	3	147	23	691	8
41610	2074	0	432	87	3	147	23	691	8
41975	2075	0	432	87	3	147	23	691	8
42340	2076	0	432	87	3	147	23	691	8
42705	2077	0	431	87	3	147	23	691	8
43070	2078	0	431	87	3	147	23	691	8
43435	2079	0	431	87	3	147	23	691	8
43800	2080	0	431	87	3	147	23	690	8
44165	2081	0	431	87	3	147	23	690	8
44530	2082	0	431	87	3	147	23	690	8
44895	2083	0	431	87	3	147	23	690	8
45260	2084	0	431	87	3	147	23	690	8
45625	2085	0	431	87	3	147	23	690	8
45990	2086	0	431	87	3	147	23	690	8
46355	2087	0	431	87	3	147	23	690	8
46720	2088	0	431	87	3	147	23	690	8
47085	2089	0	431	86	3	147	23	690	8
47450	2090	0	431	86	3	147	23	690	8
47815	2091	0	431	86	3	147	23	690	8
48180	2092	0	431	86	3	147	23	690	8
48545	2093	0	431	86	3	147	23	690	8
48910	2094	0	431	86	3	146	23	690	8
49275	2095	0	431	86	3	146	23	690	8
49640	2096	0	431	86	3	146	23	689	8
50005	2097	0	431	86	3	146	23	689	8
50370	2098	0	431	86	3	146	23	689	8
50735	2099	0	431	86	3	146	23	689	8
51100	2100	0	431	86	3	146	23	689	8
51465	2101	0	431	86	3	146	23	689	8
51830	2102	0	431	86	3	146	23	689	8
52195	2103	0	431	86	3	146	23	689	8
52560	2104	0	431	86	3	146	23	689	8
52925	2105	0	431	86	3	146	23	689	8
53290	2106	0	431	86	3	146	23	689	8

B-3(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
365	1961	0.0	0.2	0.0	0.0	0.1	0.1	0.3
730	1962	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1095	1963	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1460	1964	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1825	1965	0.0	0.2	0.0	0.0	0.1	0.1	0.4
2190	1966	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2555	1967	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2920	1968	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3285	1969	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3650	1970	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4015	1971	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4380	1972	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4745	1973	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5110	1974	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5475	1975	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5840	1976	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6205	1977	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6570	1978	0.0	0.2	0.0	0.0	0.1	0.3	0.5
6935	1979	0.0	0.2	0.0	0.0	0.1	0.3	0.6
7300	1980	0.0	0.5	0.1	0.0	0.3	0.4	1.3
7665	1981	0.0	0.6	0.2	0.0	0.6	0.4	1.9
8030	1982	0.0	1.3	0.5	0.0	1.4	0.6	3.8
8395	1983	0.0	1.8	0.8	0.0	2.1	0.6	5.3
8760	1984	0.0	2.1	1.0	0.0	2.6	0.7	6.4
9125	1985	0.0	2.4	1.2	0.0	3.0	0.7	7.4
9490	1986	0.0	2.6	1.3	0.1	3.6	0.8	8.3
9855	1987	0.0	2.8	1.5	0.1	4.1	0.8	9.3
10220	1988	0.0	3.0	1.6	0.1	4.5	0.8	9.9
10585	1989	0.0	3.1	1.7	0.1	4.8	0.8	10.5
10950	1990	0.0	3.2	1.8	0.1	5.0	0.9	10.9
11315	1991	0.0	3.3	1.8	0.1	5.1	0.9	11.2
11680	1992	0.0	3.3	1.9	0.1	5.2	0.9	11.4
12045	1993	0.0	3.3	1.9	0.1	5.3	0.9	11.6
12410	1994	0.0	3.3	2.0	0.1	5.2	0.9	11.5
12775	1995	0.0	3.3	2.0	0.1	5.1	0.9	11.4
13140	1996	0.0	3.2	2.1	0.1	4.9	0.9	11.2
13505	1997	0.0	3.2	2.1	0.1	4.9	0.9	11.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3C). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
13870	1998	0.0	3.1	2.1	0.1	4.8	0.9	10.9
14235	1999	0.0	3.1	2.1	0.1	4.7	0.9	10.8
14600	2000	0.0	3.0	2.1	0.1	4.6	0.9	10.7
14965	2001	0.0	2.9	2.1	0.1	4.5	0.9	10.5
15330	2002	0.0	2.9	2.1	0.1	4.5	0.9	10.5
15695	2003	0.0	2.9	2.1	0.1	4.5	0.9	10.4
16060	2004	0.0	2.9	2.2	0.1	4.4	0.9	10.4
16425	2005	0.0	2.9	2.2	0.1	4.4	0.9	10.4
16790	2006	0.0	2.9	2.2	0.1	4.4	0.9	10.3
17155	2007	0.0	2.9	2.2	0.1	4.4	0.8	10.3
17520	2008	0.0	2.8	2.2	0.1	4.4	0.8	10.3
17885	2009	0.0	2.8	2.2	0.1	4.4	0.8	10.3
18250	2010	0.0	2.8	2.2	0.1	4.4	0.8	10.3
18615	2011	0.0	2.8	2.2	0.1	4.2	0.8	10.2
18980	2012	0.0	2.8	2.2	0.1	4.1	0.8	10.0
19345	2013	0.0	2.7	2.2	0.1	4.0	0.8	9.8
19710	2014	0.0	2.7	2.2	0.1	3.9	0.8	9.7
20075	2015	0.0	2.7	2.2	0.1	3.9	0.8	9.6
20440	2016	0.0	2.7	2.2	0.1	3.8	0.8	9.6
20805	2017	0.0	2.7	2.1	0.1	3.8	0.8	9.4
21170	2018	0.0	2.6	2.1	0.1	3.7	0.8	9.3
21535	2019	0.0	2.6	1.9	0.1	3.7	0.7	9.0
21900	2020	0.0	2.6	1.9	0.1	3.7	0.7	8.9
22265	2021	0.0	2.6	1.7	0.1	3.6	0.7	8.6
22630	2022	0.0	2.5	1.6	0.1	3.6	0.6	8.5
22995	2023	0.0	2.5	1.5	0.1	3.5	0.6	8.2
23360	2024	0.0	2.5	1.4	0.1	3.5	0.6	8.0
23725	2025	0.0	2.4	1.3	0.1	3.5	0.6	7.8
24090	2026	0.0	2.4	1.2	0.1	3.4	0.5	7.7
24455	2027	0.0	2.4	1.2	0.1	3.3	0.5	7.5
24820	2028	0.0	2.3	1.1	0.1	3.3	0.5	7.3
25185	2029	0.0	2.3	1.1	0.1	3.2	0.5	7.2
25550	2030	0.0	2.3	1.1	0.1	3.2	0.5	7.1
25915	2031	0.0	2.3	1.0	0.1	3.2	0.5	7.1
26280	2032	0.0	2.3	1.0	0.1	3.1	0.5	7.0
26645	2033	0.0	2.3	1.0	0.1	3.1	0.5	6.9
27010	2034	0.0	2.2	1.0	0.1	3.1	0.5	6.9
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

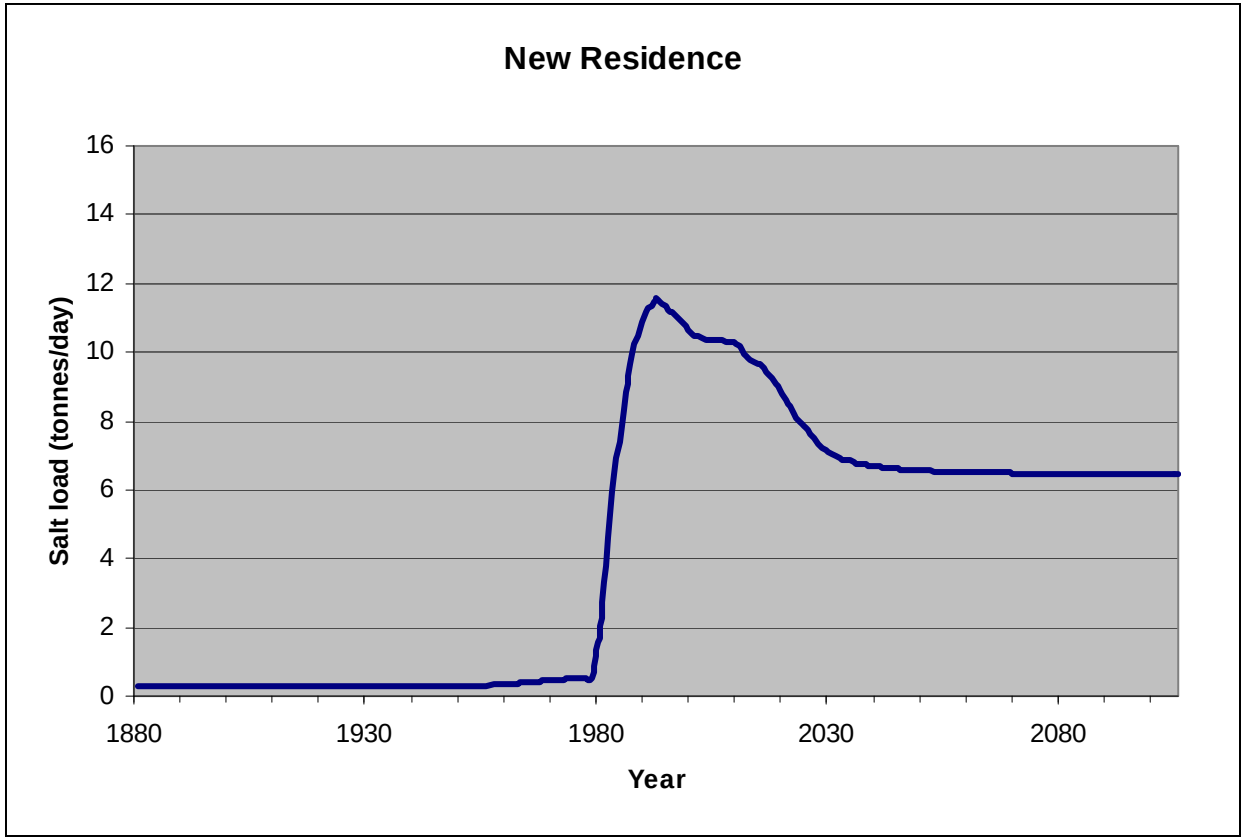
B-3(S3C). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
27375	2035	0.0	2.2	1.0	0.1	3.1	0.5	6.8
27740	2036	0.0	2.2	0.9	0.1	3.1	0.5	6.8
28105	2037	0.0	2.2	0.9	0.1	3.1	0.5	6.8
28470	2038	0.0	2.2	0.9	0.1	3.1	0.5	6.7
28835	2039	0.0	2.2	0.9	0.1	3.0	0.5	6.7
29200	2040	0.0	2.2	0.9	0.1	3.0	0.5	6.7
29565	2041	0.0	2.2	0.9	0.1	3.0	0.5	6.7
29930	2042	0.0	2.2	0.9	0.1	3.0	0.5	6.7
30295	2043	0.0	2.2	0.9	0.1	3.0	0.5	6.6
30660	2044	0.0	2.2	0.9	0.1	3.0	0.5	6.6
31025	2045	0.0	2.2	0.9	0.1	3.0	0.5	6.6
31390	2046	0.0	2.2	0.9	0.1	3.0	0.5	6.6
31755	2047	0.0	2.2	0.9	0.1	3.0	0.5	6.6
32120	2048	0.0	2.2	0.9	0.1	3.0	0.5	6.6
32485	2049	0.0	2.2	0.9	0.1	3.0	0.5	6.6
32850	2050	0.0	2.2	0.9	0.1	3.0	0.5	6.6
33215	2051	0.0	2.2	0.9	0.1	3.0	0.5	6.6
33580	2052	0.0	2.2	0.9	0.1	3.0	0.5	6.5
33945	2053	0.0	2.2	0.9	0.1	3.0	0.5	6.5
34310	2054	0.0	2.2	0.9	0.1	3.0	0.5	6.5
34675	2055	0.0	2.2	0.9	0.1	3.0	0.5	6.5
35040	2056	0.0	2.2	0.9	0.1	3.0	0.5	6.5
35405	2057	0.0	2.2	0.9	0.1	3.0	0.5	6.5
35770	2058	0.0	2.2	0.9	0.1	3.0	0.5	6.5
36135	2059	0.0	2.2	0.9	0.1	3.0	0.5	6.5
36500	2060	0.0	2.2	0.9	0.1	3.0	0.5	6.5
36865	2061	0.0	2.2	0.9	0.1	3.0	0.5	6.5
37230	2062	0.0	2.2	0.9	0.1	3.0	0.5	6.5
37595	2063	0.0	2.2	0.9	0.1	3.0	0.5	6.5
37960	2064	0.0	2.2	0.9	0.1	2.9	0.5	6.5
38325	2065	0.0	2.2	0.9	0.1	2.9	0.5	6.5
38690	2066	0.0	2.2	0.9	0.1	2.9	0.5	6.5
39055	2067	0.0	2.2	0.9	0.1	2.9	0.5	6.5
39420	2068	0.0	2.2	0.9	0.1	2.9	0.5	6.5
39785	2069	0.0	2.2	0.9	0.1	2.9	0.5	6.5
40150	2070	0.0	2.2	0.9	0.1	2.9	0.5	6.5
40515	2071	0.0	2.2	0.9	0.1	2.9	0.5	6.5
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3C). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
40880	2072	0.0	2.2	0.9	0.1	2.9	0.5	6.5
41245	2073	0.0	2.2	0.9	0.1	2.9	0.5	6.5
41610	2074	0.0	2.2	0.9	0.1	2.9	0.5	6.5
41975	2075	0.0	2.2	0.9	0.1	2.9	0.5	6.5
42340	2076	0.0	2.2	0.9	0.1	2.9	0.5	6.5
42705	2077	0.0	2.2	0.9	0.1	2.9	0.5	6.5
43070	2078	0.0	2.2	0.9	0.1	2.9	0.5	6.5
43435	2079	0.0	2.2	0.9	0.1	2.9	0.5	6.5
43800	2080	0.0	2.2	0.9	0.1	2.9	0.5	6.5
44165	2081	0.0	2.2	0.9	0.1	2.9	0.5	6.5
44530	2082	0.0	2.2	0.9	0.1	2.9	0.5	6.5
44895	2083	0.0	2.2	0.9	0.1	2.9	0.5	6.5
45260	2084	0.0	2.2	0.9	0.1	2.9	0.5	6.5
45625	2085	0.0	2.2	0.9	0.1	2.9	0.5	6.5
45990	2086	0.0	2.2	0.9	0.1	2.9	0.5	6.5
46355	2087	0.0	2.2	0.9	0.1	2.9	0.5	6.5
46720	2088	0.0	2.2	0.9	0.1	2.9	0.5	6.5
47085	2089	0.0	2.2	0.9	0.1	2.9	0.5	6.5
47450	2090	0.0	2.2	0.9	0.1	2.9	0.5	6.5
47815	2091	0.0	2.2	0.9	0.1	2.9	0.5	6.5
48180	2092	0.0	2.2	0.9	0.1	2.9	0.5	6.5
48545	2093	0.0	2.2	0.9	0.1	2.9	0.5	6.5
48910	2094	0.0	2.2	0.9	0.1	2.9	0.5	6.5
49275	2095	0.0	2.2	0.9	0.1	2.9	0.5	6.5
49640	2096	0.0	2.2	0.9	0.1	2.9	0.5	6.5
50005	2097	0.0	2.2	0.9	0.1	2.9	0.5	6.5
50370	2098	0.0	2.2	0.9	0.1	2.9	0.5	6.5
50735	2099	0.0	2.2	0.9	0.1	2.9	0.5	6.5
51100	2100	0.0	2.2	0.9	0.1	2.9	0.5	6.5
51465	2101	0.0	2.2	0.9	0.1	2.9	0.5	6.5
51830	2102	0.0	2.2	0.9	0.1	2.9	0.5	6.5
52195	2103	0.0	2.2	0.9	0.1	2.9	0.5	6.5
52560	2104	0.0	2.2	0.9	0.1	2.9	0.5	6.5
52925	2105	0.0	2.2	0.9	0.1	2.9	0.5	6.5
53290	2106	0.0	2.2	0.9	0.1	2.9	0.5	6.5
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S3C). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3C)



B-3(S3C). Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
365	1961	0	31	1	1	3	5	**41**	***0***
730	1962	0	31	1	1	3	6	**42**	***0***
1095	1963	0	31	1	1	3	6	**43**	***0***
1460	1964	0	31	1	1	3	7	**43**	***1***
1825	1965	0	32	1	1	3	7	**44**	***1***
2190	1966	0	32	1	1	3	8	**45**	***1***
2555	1967	0	32	1	1	3	8	**46**	***1***
2920	1968	0	32	1	1	3	9	**46**	***1***
3285	1969	0	32	1	1	3	9	**47**	***1***
3650	1970	0	33	2	1	3	9	**48**	***1***
4015	1971	0	33	2	1	3	10	**49**	***1***
4380	1972	0	33	2	1	3	10	**49**	***1***
4745	1973	0	33	2	1	3	11	**50**	***1***
5110	1974	0	33	2	1	3	11	**51**	***1***
5475	1975	0	33	2	1	3	12	**52**	***1***
5840	1976	0	34	2	1	3	12	**53**	***1***
6205	1977	0	34	3	1	3	12	**53**	***1***
6570	1978	0	34	3	1	3	13	**54**	***1***
6935	1979	0	34	3	1	3	13	**55**	***1***
7300	1980	0	92	13	1	16	19	**142**	***2***
7665	1981	0	127	22	1	29	21	**201**	***2***
8030	1982	0	260	48	2	69	29	**407**	***5***
8395	1983	1	355	75	2	105	32	**570**	***7***
8760	1984	1	418	98	2	131	35	**684**	***8***
9125	1985	1	471	117	2	152	36	**781**	***9***
9490	1986	1	515	133	3	179	38	**869**	***10***
9855	1987	2	563	147	3	206	40	**960**	***11***
10220	1988	2	594	158	3	224	41	**1022**	***12***
10585	1989	2	623	168	3	239	42	**1077**	***12***
10950	1990	2	638	176	3	248	43	**1110**	***13***
11315	1991	2	655	183	3	256	44	**1144**	***13***
11680	1992	2	660	189	3	260	44	**1159**	***13***
12045	1993	2	669	195	3	264	45	**1179**	***14***
12410	1994	2	660	199	3	259	45	**1168**	***14***
12775	1995	2	655	203	3	253	45	**1161**	***13***
13140	1996	1	640	206	3	247	45	**1143**	***13***
13505	1997	1	634	208	3	244	45	**1136**	***13***
13870	1998	1	619	210	3	239	45	**1117**	***13***

B-3(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
14235	**1999**	1	611	211	3	235	44	**1107**	***13***
14600	**2000**	1	595	212	3	230	44	**1086**	***13***
14965	**2001**	1	586	213	3	227	43	**1073**	***12***
15330	**2002**	1	580	214	3	224	43	**1066**	***12***
15695	**2003**	1	577	215	3	223	43	**1061**	***12***
16060	**2004**	1	574	215	3	221	43	**1057**	***12***
16425	**2005**	1	572	216	3	220	43	**1055**	***12***
16790	**2006**	1	571	216	3	220	43	**1054**	***12***
17155	**2007**	1	570	217	3	219	42	**1053**	***12***
17520	**2008**	1	570	217	3	219	42	**1052**	***12***
17885	**2009**	1	569	218	3	219	42	**1052**	***12***
18250	**2010**	1	569	218	3	219	42	**1052**	***12***
18615	**2011**	1	563	218	3	212	42	**1039**	***12***
18980	**2012**	1	555	218	3	205	42	**1024**	***12***
19345	**2013**	1	548	218	3	200	42	**1012**	***12***
19710	**2014**	1	543	218	3	196	41	**1003**	***12***
20075	**2015**	1	549	223	3	196	45	**1017**	***12***
20440	**2016**	1	551	225	3	195	45	**1021**	***12***
20805	**2017**	1	550	219	3	194	44	**1011**	***12***
21170	**2018**	1	548	215	3	193	43	**1003**	***12***
21535	**2019**	1	545	205	3	191	41	**987**	***11***
21900	**2020**	1	542	198	3	190	41	**974**	***11***
22265	**2021**	1	538	185	3	188	39	**953**	***11***
22630	**2022**	1	534	176	3	187	38	**938**	***11***
22995	**2023**	1	529	162	3	185	35	**915**	***11***
23360	**2024**	1	524	151	3	183	34	**897**	***10***
23725	**2025**	1	521	143	3	182	34	**884**	***10***
24090	**2026**	1	519	137	3	181	33	**873**	***10***
24455	**2027**	1	509	137	3	177	40	**866**	***10***
24820	**2028**	1	502	140	3	174	42	**862**	***10***
25185	**2029**	1	504	144	3	172	43	**867**	***10***
25550	**2030**	1	503	149	3	171	43	**869**	***10***
25915	**2031**	1	531	155	3	171	46	**906**	***10***
26280	**2032**	1	550	162	3	171	47	**932**	***11***
26645	**2033**	1	560	169	3	171	50	**954**	***11***
27010	**2034**	1	567	178	3	171	51	**971**	***11***

B-3(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
27375	2035	1	577	186	3	172	53	992	11
27740	2036	1	584	195	3	174	53	1010	12
28105	2037	1	591	202	3	175	54	1026	12
28470	2038	1	598	208	3	177	55	1042	12
28835	2039	1	605	214	3	180	55	1058	12
29200	2040	1	613	218	4	182	56	1073	12
29565	2041	1	620	222	4	184	56	1087	13
29930	2042	1	627	225	4	187	57	1101	13
30295	2043	1	635	228	4	189	57	1114	13
30660	2044	1	642	231	4	191	58	1126	13
31025	2045	1	649	233	4	193	58	1138	13
31390	2046	1	656	235	4	195	58	1149	13
31755	2047	1	664	236	4	197	58	1160	13
32120	2048	1	670	238	4	198	58	1170	14
32485	2049	1	677	239	4	200	59	1180	14
32850	2050	1	684	240	4	201	59	1189	14
33215	2051	1	690	241	4	203	59	1198	14
33580	2052	1	697	242	4	204	59	1207	14
33945	2053	1	703	242	4	205	59	1215	14
34310	2054	1	708	243	4	206	59	1223	14
34675	2055	1	714	244	4	207	59	1230	14
35040	2056	1	719	244	5	208	59	1237	14
35405	2057	1	725	244	5	209	59	1243	14
35770	2058	1	729	245	5	210	60	1250	14
36135	2059	1	734	245	5	211	60	1256	15
36500	2060	1	739	245	5	212	60	1261	15
36865	2061	1	743	246	5	212	60	1267	15
37230	2062	1	747	246	5	213	60	1272	15
37595	2063	1	751	246	5	213	60	1277	15
37960	2064	1	755	246	5	214	60	1281	15
38325	2065	1	759	247	5	215	60	1286	15
38690	2066	1	762	247	5	215	60	1290	15
39055	2067	1	765	247	5	216	60	1294	15
39420	2068	1	768	247	5	216	60	1298	15
39785	2069	1	771	247	5	216	60	1301	15
40150	2070	1	774	247	5	217	60	1305	15

B-3(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
40515	2071	1	777	247	5	217	60	1308	15
40880	2072	1	779	247	5	217	60	1311	15
41245	2073	1	782	247	5	218	60	1314	15
41610	2074	1	784	248	5	218	60	1316	15
41975	2075	2	786	248	5	218	60	1319	15
42340	2076	2	788	248	5	219	60	1321	15
42705	2077	2	790	248	5	219	60	1324	15
43070	2078	2	792	248	5	219	60	1326	15
43435	2079	2	794	248	5	219	60	1328	15
43800	2080	2	796	248	5	220	60	1330	15
44165	2081	2	797	248	5	220	60	1332	15
44530	2082	2	799	248	5	220	60	1334	15
44895	2083	2	800	248	5	220	60	1335	15
45260	2084	2	801	248	5	220	60	1337	15
45625	2085	2	803	248	5	220	60	1338	15
45990	2086	2	804	248	5	221	60	1340	16
46355	2087	2	805	248	5	221	60	1341	16
46720	2088	2	806	248	5	221	60	1342	16
47085	2089	2	807	248	5	221	61	1344	16
47450	2090	2	808	248	5	221	61	1345	16
47815	2091	2	809	248	5	221	61	1346	16
48180	2092	2	810	248	5	221	61	1347	16
48545	2093	2	811	248	5	221	61	1348	16
48910	2094	2	811	248	5	221	61	1349	16
49275	2095	2	812	248	5	222	61	1350	16
49640	2096	2	813	248	5	222	61	1350	16
50005	2097	2	814	248	5	222	61	1351	16
50370	2098	2	814	248	5	222	61	1352	16
50735	2099	2	815	248	5	222	61	1353	16
51100	2100	2	815	249	5	222	61	1353	16
51465	2101	2	816	249	5	222	61	1354	16
51830	2102	2	816	249	5	222	61	1355	16
52195	2103	2	817	249	5	222	61	1355	16
52560	2104	2	817	249	5	222	61	1356	16
52925	2105	2	818	249	5	222	61	1356	16
53290	2106	2	818	249	5	222	61	1357	16

B-3(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
365	1961	0.0	0.2	0.0	0.0	0.1	0.1	0.3
730	1962	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1095	1963	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1460	1964	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1825	1965	0.0	0.2	0.0	0.0	0.1	0.1	0.4
2190	1966	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2555	1967	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2920	1968	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3285	1969	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3650	1970	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4015	1971	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4380	1972	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4745	1973	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5110	1974	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5475	1975	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5840	1976	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6205	1977	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6570	1978	0.0	0.2	0.0	0.0	0.1	0.3	0.5
6935	1979	0.0	0.2	0.0	0.0	0.1	0.3	0.6
7300	1980	0.0	0.5	0.1	0.0	0.3	0.4	1.3
7665	1981	0.0	0.6	0.2	0.0	0.6	0.4	1.9
8030	1982	0.0	1.3	0.5	0.0	1.4	0.6	3.8
8395	1983	0.0	1.8	0.8	0.0	2.1	0.6	5.3
8760	1984	0.0	2.1	1.0	0.0	2.6	0.7	6.4
9125	1985	0.0	2.4	1.2	0.0	3.0	0.7	7.4
9490	1986	0.0	2.6	1.3	0.1	3.6	0.8	8.3
9855	1987	0.0	2.8	1.5	0.1	4.1	0.8	9.3
10220	1988	0.0	3.0	1.6	0.1	4.5	0.8	9.9
10585	1989	0.0	3.1	1.7	0.1	4.8	0.8	10.5
10950	1990	0.0	3.2	1.8	0.1	5.0	0.9	10.9
11315	1991	0.0	3.3	1.8	0.1	5.1	0.9	11.2
11680	1992	0.0	3.3	1.9	0.1	5.2	0.9	11.4
12045	1993	0.0	3.3	1.9	0.1	5.3	0.9	11.6
12410	1994	0.0	3.3	2.0	0.1	5.2	0.9	11.5
12775	1995	0.0	3.3	2.0	0.1	5.1	0.9	11.4
13140	1996	0.0	3.2	2.1	0.1	4.9	0.9	11.2
13505	1997	0.0	3.2	2.1	0.1	4.9	0.9	11.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S4). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
13870	1998	0.0	3.1	2.1	0.1	4.8	0.9	10.9
14235	1999	0.0	3.1	2.1	0.1	4.7	0.9	10.8
14600	2000	0.0	3.0	2.1	0.1	4.6	0.9	10.7
14965	2001	0.0	2.9	2.1	0.1	4.5	0.9	10.5
15330	2002	0.0	2.9	2.1	0.1	4.5	0.9	10.5
15695	2003	0.0	2.9	2.1	0.1	4.5	0.9	10.4
16060	2004	0.0	2.9	2.2	0.1	4.4	0.9	10.4
16425	2005	0.0	2.9	2.2	0.1	4.4	0.9	10.4
16790	2006	0.0	2.9	2.2	0.1	4.4	0.9	10.3
17155	2007	0.0	2.9	2.2	0.1	4.4	0.8	10.3
17520	2008	0.0	2.8	2.2	0.1	4.4	0.8	10.3
17885	2009	0.0	2.8	2.2	0.1	4.4	0.8	10.3
18250	2010	0.0	2.8	2.2	0.1	4.4	0.8	10.3
18615	2011	0.0	2.8	2.2	0.1	4.2	0.8	10.2
18980	2012	0.0	2.8	2.2	0.1	4.1	0.8	10.0
19345	2013	0.0	2.7	2.2	0.1	4.0	0.8	9.8
19710	2014	0.0	2.7	2.2	0.1	3.9	0.8	9.7
20075	2015	0.0	2.7	2.2	0.1	3.9	0.9	9.9
20440	2016	0.0	2.8	2.3	0.1	3.9	0.9	9.9
20805	2017	0.0	2.7	2.2	0.1	3.9	0.9	9.8
21170	2018	0.0	2.7	2.2	0.1	3.9	0.9	9.7
21535	2019	0.0	2.7	2.0	0.1	3.8	0.8	9.5
21900	2020	0.0	2.7	2.0	0.1	3.8	0.8	9.4
22265	2021	0.0	2.7	1.9	0.1	3.8	0.8	9.1
22630	2022	0.0	2.7	1.8	0.1	3.7	0.8	9.0
22995	2023	0.0	2.6	1.6	0.1	3.7	0.7	8.7
23360	2024	0.0	2.6	1.5	0.1	3.7	0.7	8.6
23725	2025	0.0	2.6	1.4	0.1	3.6	0.7	8.4
24090	2026	0.0	2.6	1.4	0.1	3.6	0.7	8.3
24455	2027	0.0	2.5	1.4	0.1	3.5	0.8	8.3
24820	2028	0.0	2.5	1.4	0.1	3.5	0.8	8.3
25185	2029	0.0	2.5	1.4	0.1	3.4	0.9	8.3
25550	2030	0.0	2.5	1.5	0.1	3.4	0.9	8.4
25915	2031	0.0	2.7	1.5	0.1	3.4	0.9	8.6
26280	2032	0.0	2.7	1.6	0.1	3.4	0.9	8.8
26645	2033	0.0	2.8	1.7	0.1	3.4	1.0	9.0
27010	2034	0.0	2.8	1.8	0.1	3.4	1.0	9.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

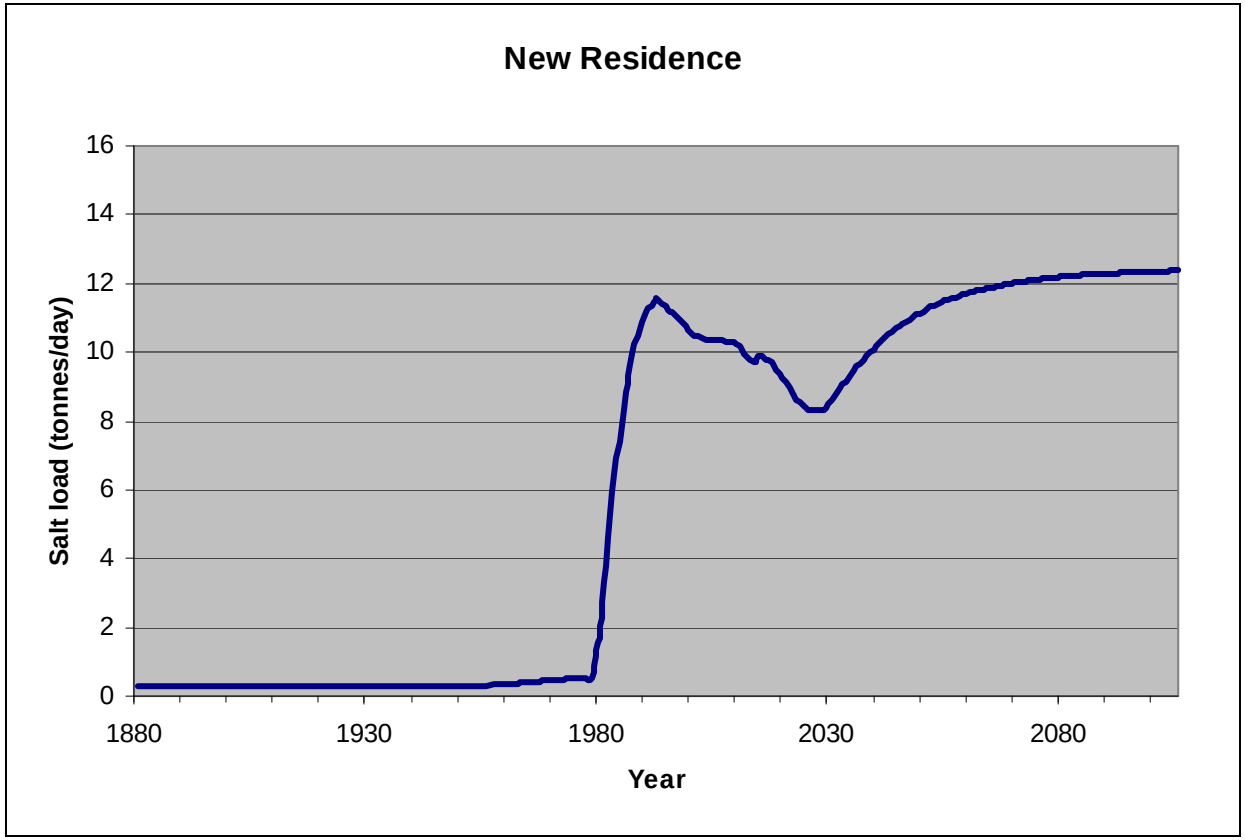
B-3(S4). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
27375	2035	0.0	2.9	1.9	0.1	3.4	1.1	9.3
27740	2036	0.0	2.9	1.9	0.1	3.5	1.1	9.5
28105	2037	0.0	3.0	2.0	0.1	3.5	1.1	9.6
28470	2038	0.0	3.0	2.1	0.1	3.5	1.1	9.8
28835	2039	0.0	3.0	2.1	0.1	3.6	1.1	9.9
29200	2040	0.0	3.1	2.2	0.1	3.6	1.1	10.1
29565	2041	0.0	3.1	2.2	0.1	3.7	1.1	10.2
29930	2042	0.0	3.1	2.3	0.1	3.7	1.1	10.3
30295	2043	0.0	3.2	2.3	0.1	3.8	1.1	10.5
30660	2044	0.0	3.2	2.3	0.1	3.8	1.2	10.6
31025	2045	0.0	3.2	2.3	0.1	3.9	1.2	10.7
31390	2046	0.0	3.3	2.3	0.1	3.9	1.2	10.8
31755	2047	0.0	3.3	2.4	0.1	3.9	1.2	10.9
32120	2048	0.0	3.4	2.4	0.1	4.0	1.2	11.0
32485	2049	0.0	3.4	2.4	0.1	4.0	1.2	11.0
32850	2050	0.0	3.4	2.4	0.1	4.0	1.2	11.1
33215	2051	0.0	3.5	2.4	0.1	4.1	1.2	11.2
33580	2052	0.0	3.5	2.4	0.1	4.1	1.2	11.3
33945	2053	0.0	3.5	2.4	0.1	4.1	1.2	11.3
34310	2054	0.0	3.5	2.4	0.1	4.1	1.2	11.4
34675	2055	0.0	3.6	2.4	0.1	4.1	1.2	11.4
35040	2056	0.0	3.6	2.4	0.1	4.2	1.2	11.5
35405	2057	0.0	3.6	2.4	0.1	4.2	1.2	11.5
35770	2058	0.0	3.6	2.4	0.1	4.2	1.2	11.6
36135	2059	0.0	3.7	2.5	0.1	4.2	1.2	11.6
36500	2060	0.0	3.7	2.5	0.1	4.2	1.2	11.7
36865	2061	0.0	3.7	2.5	0.1	4.2	1.2	11.7
37230	2062	0.0	3.7	2.5	0.1	4.3	1.2	11.8
37595	2063	0.0	3.8	2.5	0.1	4.3	1.2	11.8
37960	2064	0.0	3.8	2.5	0.1	4.3	1.2	11.8
38325	2065	0.0	3.8	2.5	0.1	4.3	1.2	11.9
38690	2066	0.0	3.8	2.5	0.1	4.3	1.2	11.9
39055	2067	0.0	3.8	2.5	0.1	4.3	1.2	11.9
39420	2068	0.0	3.8	2.5	0.1	4.3	1.2	12.0
39785	2069	0.0	3.9	2.5	0.1	4.3	1.2	12.0
40150	2070	0.0	3.9	2.5	0.1	4.3	1.2	12.0
40515	2071	0.0	3.9	2.5	0.1	4.3	1.2	12.0
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S4). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
40880	2072	0.0	3.9	2.5	0.1	4.3	1.2	12.0
41245	2073	0.0	3.9	2.5	0.1	4.4	1.2	12.1
41610	2074	0.0	3.9	2.5	0.1	4.4	1.2	12.1
41975	2075	0.0	3.9	2.5	0.1	4.4	1.2	12.1
42340	2076	0.0	3.9	2.5	0.1	4.4	1.2	12.1
42705	2077	0.0	4.0	2.5	0.1	4.4	1.2	12.1
43070	2078	0.0	4.0	2.5	0.1	4.4	1.2	12.2
43435	2079	0.0	4.0	2.5	0.1	4.4	1.2	12.2
43800	2080	0.0	4.0	2.5	0.1	4.4	1.2	12.2
44165	2081	0.0	4.0	2.5	0.1	4.4	1.2	12.2
44530	2082	0.0	4.0	2.5	0.1	4.4	1.2	12.2
44895	2083	0.0	4.0	2.5	0.1	4.4	1.2	12.2
45260	2084	0.0	4.0	2.5	0.1	4.4	1.2	12.2
45625	2085	0.0	4.0	2.5	0.1	4.4	1.2	12.2
45990	2086	0.0	4.0	2.5	0.1	4.4	1.2	12.2
46355	2087	0.0	4.0	2.5	0.1	4.4	1.2	12.3
46720	2088	0.0	4.0	2.5	0.1	4.4	1.2	12.3
47085	2089	0.0	4.0	2.5	0.1	4.4	1.2	12.3
47450	2090	0.0	4.0	2.5	0.1	4.4	1.2	12.3
47815	2091	0.0	4.0	2.5	0.1	4.4	1.2	12.3
48180	2092	0.0	4.0	2.5	0.1	4.4	1.2	12.3
48545	2093	0.0	4.1	2.5	0.1	4.4	1.2	12.3
48910	2094	0.0	4.1	2.5	0.1	4.4	1.2	12.3
49275	2095	0.0	4.1	2.5	0.1	4.4	1.2	12.3
49640	2096	0.0	4.1	2.5	0.1	4.4	1.2	12.3
50005	2097	0.0	4.1	2.5	0.1	4.4	1.2	12.3
50370	2098	0.0	4.1	2.5	0.1	4.4	1.2	12.3
50735	2099	0.0	4.1	2.5	0.1	4.4	1.2	12.3
51100	2100	0.0	4.1	2.5	0.1	4.4	1.2	12.3
51465	2101	0.0	4.1	2.5	0.1	4.4	1.2	12.3
51830	2102	0.0	4.1	2.5	0.1	4.4	1.2	12.4
52195	2103	0.0	4.1	2.5	0.1	4.4	1.2	12.4
52560	2104	0.0	4.1	2.5	0.1	4.4	1.2	12.4
52925	2105	0.0	4.1	2.5	0.1	4.4	1.2	12.4
53290	2106	0.0	4.1	2.5	0.1	4.4	1.2	12.4
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S4). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 4)



B-3(S4). Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
365	1961	0	31	1	1	3	5	**41**	***0***
730	1962	0	31	1	1	3	6	**42**	***0***
1095	1963	0	31	1	1	3	6	**43**	***0***
1460	1964	0	31	1	1	3	7	**43**	***1***
1825	1965	0	32	1	1	3	7	**44**	***1***
2190	1966	0	32	1	1	3	8	**45**	***1***
2555	1967	0	32	1	1	3	8	**46**	***1***
2920	1968	0	32	1	1	3	9	**46**	***1***
3285	1969	0	32	1	1	3	9	**47**	***1***
3650	1970	0	33	2	1	3	9	**48**	***1***
4015	1971	0	33	2	1	3	10	**49**	***1***
4380	1972	0	33	2	1	3	10	**49**	***1***
4745	1973	0	33	2	1	3	11	**50**	***1***
5110	1974	0	33	2	1	3	11	**51**	***1***
5475	1975	0	33	2	1	3	12	**52**	***1***
5840	1976	0	34	2	1	3	12	**53**	***1***
6205	1977	0	34	3	1	3	12	**53**	***1***
6570	1978	0	34	3	1	3	13	**54**	***1***
6935	1979	0	34	3	1	3	13	**55**	***1***
7300	1980	0	92	13	1	16	19	**142**	***2***
7665	1981	0	127	22	1	29	21	**201**	***2***
8030	1982	0	260	48	2	69	29	**407**	***5***
8395	1983	1	355	75	2	105	32	**570**	***7***
8760	1984	1	418	98	2	131	35	**684**	***8***
9125	1985	1	471	117	2	152	36	**781**	***9***
9490	1986	1	515	133	3	179	38	**869**	***10***
9855	1987	2	563	147	3	206	40	**960**	***11***
10220	1988	2	594	158	3	224	41	**1022**	***12***
10585	1989	2	623	168	3	239	42	**1077**	***12***
10950	1990	2	638	176	3	248	43	**1110**	***13***
11315	1991	2	655	183	3	256	44	**1144**	***13***
11680	1992	2	660	189	3	260	44	**1159**	***13***
12045	1993	2	669	195	3	264	45	**1179**	***14***
12410	1994	2	660	199	3	259	45	**1168**	***14***
12775	1995	2	655	203	3	253	45	**1161**	***13***
13140	1996	1	640	206	3	247	45	**1143**	***13***
13505	1997	1	634	208	3	244	45	**1136**	***13***
13870	1998	1	619	210	3	239	45	**1117**	***13***

B-3(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
14235	**1999**	1	611	211	3	235	44	**1107**	***13***
14600	**2000**	1	595	212	3	230	44	**1086**	***13***
14965	**2001**	1	586	213	3	227	43	**1073**	***12***
15330	**2002**	1	580	214	3	224	43	**1066**	***12***
15695	**2003**	1	577	215	3	223	43	**1061**	***12***
16060	**2004**	1	574	215	3	221	43	**1057**	***12***
16425	**2005**	1	572	216	3	220	43	**1055**	***12***
16790	**2006**	1	571	216	3	220	43	**1054**	***12***
17155	**2007**	1	570	217	3	219	42	**1053**	***12***
17520	**2008**	1	570	217	3	219	42	**1052**	***12***
17885	**2009**	1	569	218	3	219	42	**1052**	***12***
18250	**2010**	1	569	218	3	219	42	**1052**	***12***
18615	**2011**	1	563	218	3	212	42	**1039**	***12***
18980	**2012**	1	555	218	3	205	42	**1024**	***12***
19345	**2013**	1	548	218	3	200	42	**1012**	***12***
19710	**2014**	1	543	218	3	196	41	**1003**	***12***
20075	**2015**	1	549	223	3	196	45	**1017**	***12***
20440	**2016**	1	551	225	3	195	45	**1021**	***12***
20805	**2017**	1	550	219	3	194	44	**1011**	***12***
21170	**2018**	1	548	215	3	193	43	**1003**	***12***
21535	**2019**	1	545	205	3	191	41	**987**	***11***
21900	**2020**	1	542	198	3	190	41	**974**	***11***
22265	**2021**	1	538	185	3	188	39	**953**	***11***
22630	**2022**	1	534	176	3	187	38	**938**	***11***
22995	**2023**	1	529	162	3	185	35	**915**	***11***
23360	**2024**	1	524	151	3	183	34	**897**	***10***
23725	**2025**	1	521	143	3	182	34	**884**	***10***
24090	**2026**	1	519	137	3	181	33	**873**	***10***
24455	**2027**	1	509	137	3	177	40	**866**	***10***
24820	**2028**	1	502	140	3	174	42	**862**	***10***
25185	**2029**	1	504	144	3	172	43	**867**	***10***
25550	**2030**	1	503	149	3	171	43	**869**	***10***
25915	**2031**	1	531	155	3	171	46	**906**	***10***
26280	**2032**	1	550	162	3	171	47	**932**	***11***
26645	**2033**	1	560	169	3	171	50	**954**	***11***
27010	**2034**	1	567	178	3	171	51	**971**	***11***

B-3(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
27375	2035	1	577	186	3	172	53	992	11
27740	2036	1	584	195	3	174	53	1010	12
28105	2037	1	591	202	3	175	54	1026	12
28470	2038	1	598	208	3	177	55	1043	12
28835	2039	1	605	214	3	180	55	1058	12
29200	2040	1	613	218	4	182	56	1073	12
29565	2041	1	620	222	4	184	56	1087	13
29930	2042	1	627	225	4	187	57	1101	13
30295	2043	1	635	228	4	189	57	1114	13
30660	2044	1	642	231	4	191	58	1126	13
31025	2045	1	649	233	4	193	58	1138	13
31390	2046	1	657	235	4	195	58	1149	13
31755	2047	1	665	236	4	197	58	1162	13
32120	2048	1	675	238	4	198	58	1175	14
32485	2049	1	685	239	4	200	59	1188	14
32850	2050	1	694	240	4	202	59	1200	14
33215	2051	1	702	267	4	203	60	1237	14
33580	2052	1	709	283	4	204	60	1262	15
33945	2053	1	717	292	4	206	61	1281	15
34310	2054	1	723	299	4	207	61	1296	15
34675	2055	1	730	304	5	208	62	1309	15
35040	2056	1	736	308	5	209	62	1321	15
35405	2057	1	742	312	5	210	65	1334	15
35770	2058	1	747	315	5	211	66	1345	16
36135	2059	1	753	317	5	212	67	1354	16
36500	2060	1	758	319	5	212	67	1362	16
36865	2061	1	762	321	5	213	67	1370	16
37230	2062	1	767	322	5	214	68	1377	16
37595	2063	1	771	323	5	214	68	1383	16
37960	2064	1	775	324	5	215	68	1389	16
38325	2065	1	779	325	5	216	68	1394	16
38690	2066	1	783	325	5	216	68	1399	16
39055	2067	1	787	326	5	217	68	1404	16
39420	2068	1	790	326	5	217	68	1408	16
39785	2069	1	793	327	5	217	68	1412	16
40150	2070	1	796	327	5	218	68	1416	16

B-3(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15		
40515	2071	1	799	327	5	218	68	**1420**	***16***
40880	2072	1	802	327	5	219	68	**1423**	***16***
41245	2073	2	805	328	5	219	68	**1426**	***17***
41610	2074	2	807	328	5	219	68	**1429**	***17***
41975	2075	2	810	328	5	220	68	**1432**	***17***
42340	2076	2	812	328	5	220	69	**1435**	***17***
42705	2077	2	814	328	5	220	69	**1438**	***17***
43070	2078	2	816	328	5	220	69	**1440**	***17***
43435	2079	2	818	328	5	221	69	**1442**	***17***
43800	2080	2	820	329	5	221	69	**1444**	***17***
44165	2081	2	821	329	5	221	69	**1447**	***17***
44530	2082	2	823	329	5	221	69	**1448**	***17***
44895	2083	2	825	329	5	221	69	**1450**	***17***
45260	2084	2	826	329	5	222	69	**1452**	***17***
45625	2085	2	827	329	5	222	69	**1454**	***17***
45990	2086	2	829	329	5	222	69	**1455**	***17***
46355	2087	2	830	329	5	222	69	**1457**	***17***
46720	2088	2	831	329	5	222	69	**1458**	***17***
47085	2089	2	832	329	5	222	69	**1459**	***17***
47450	2090	2	833	329	5	222	69	**1461**	***17***
47815	2091	2	834	329	5	223	69	**1462**	***17***
48180	2092	2	835	329	5	223	69	**1463**	***17***
48545	2093	2	836	329	5	223	69	**1464**	***17***
48910	2094	2	837	329	5	223	69	**1465**	***17***
49275	2095	2	838	329	5	223	69	**1466**	***17***
49640	2096	2	839	329	5	223	69	**1467**	***17***
50005	2097	2	839	329	5	223	69	**1468**	***17***
50370	2098	2	840	329	5	223	69	**1469**	***17***
50735	2099	2	841	329	5	223	69	**1469**	***17***
51100	2100	2	841	329	5	223	69	**1470**	***17***
51465	2101	2	842	329	5	223	69	**1471**	***17***
51830	2102	2	842	329	5	223	69	**1472**	***17***
52195	2103	2	843	330	5	224	69	**1472**	***17***
52560	2104	2	843	330	5	224	69	**1473**	***17***
52925	2105	2	844	330	5	224	69	**1473**	***17***
53290	2106	2	844	330	5	224	69	**1474**	***17***

B-3(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z13	Z1-Z14	Z1-Z15	Z3-Z13	Z3-Z14	Z3-Z15	
365	1961	0.0	0.2	0.0	0.0	0.1	0.1	0.3
730	1962	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1095	1963	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1460	1964	0.0	0.2	0.0	0.0	0.1	0.1	0.4
1825	1965	0.0	0.2	0.0	0.0	0.1	0.1	0.4
2190	1966	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2555	1967	0.0	0.2	0.0	0.0	0.1	0.2	0.4
2920	1968	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3285	1969	0.0	0.2	0.0	0.0	0.1	0.2	0.4
3650	1970	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4015	1971	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4380	1972	0.0	0.2	0.0	0.0	0.1	0.2	0.5
4745	1973	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5110	1974	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5475	1975	0.0	0.2	0.0	0.0	0.1	0.2	0.5
5840	1976	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6205	1977	0.0	0.2	0.0	0.0	0.1	0.2	0.5
6570	1978	0.0	0.2	0.0	0.0	0.1	0.3	0.5
6935	1979	0.0	0.2	0.0	0.0	0.1	0.3	0.6
7300	1980	0.0	0.5	0.1	0.0	0.3	0.4	1.3
7665	1981	0.0	0.6	0.2	0.0	0.6	0.4	1.9
8030	1982	0.0	1.3	0.5	0.0	1.4	0.6	3.8
8395	1983	0.0	1.8	0.8	0.0	2.1	0.6	5.3
8760	1984	0.0	2.1	1.0	0.0	2.6	0.7	6.4
9125	1985	0.0	2.4	1.2	0.0	3.0	0.7	7.4
9490	1986	0.0	2.6	1.3	0.1	3.6	0.8	8.3
9855	1987	0.0	2.8	1.5	0.1	4.1	0.8	9.3
10220	1988	0.0	3.0	1.6	0.1	4.5	0.8	9.9
10585	1989	0.0	3.1	1.7	0.1	4.8	0.8	10.5
10950	1990	0.0	3.2	1.8	0.1	5.0	0.9	10.9
11315	1991	0.0	3.3	1.8	0.1	5.1	0.9	11.2
11680	1992	0.0	3.3	1.9	0.1	5.2	0.9	11.4
12045	1993	0.0	3.3	1.9	0.1	5.3	0.9	11.6
12410	1994	0.0	3.3	2.0	0.1	5.2	0.9	11.5
12775	1995	0.0	3.3	2.0	0.1	5.1	0.9	11.4
13140	1996	0.0	3.2	2.1	0.1	4.9	0.9	11.2
13505	1997	0.0	3.2	2.1	0.1	4.9	0.9	11.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S5). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
13870	1998	0.0	3.1	2.1	0.1	4.8	0.9	**10.9**
14235	1999	0.0	3.1	2.1	0.1	4.7	0.9	**10.8**
14600	2000	0.0	3.0	2.1	0.1	4.6	0.9	**10.7**
14965	2001	0.0	2.9	2.1	0.1	4.5	0.9	**10.5**
15330	2002	0.0	2.9	2.1	0.1	4.5	0.9	**10.5**
15695	2003	0.0	2.9	2.1	0.1	4.5	0.9	**10.4**
16060	2004	0.0	2.9	2.2	0.1	4.4	0.9	**10.4**
16425	2005	0.0	2.9	2.2	0.1	4.4	0.9	**10.4**
16790	2006	0.0	2.9	2.2	0.1	4.4	0.9	**10.3**
17155	2007	0.0	2.9	2.2	0.1	4.4	0.8	**10.3**
17520	2008	0.0	2.8	2.2	0.1	4.4	0.8	**10.3**
17885	2009	0.0	2.8	2.2	0.1	4.4	0.8	**10.3**
18250	2010	0.0	2.8	2.2	0.1	4.4	0.8	**10.3**
18615	2011	0.0	2.8	2.2	0.1	4.2	0.8	**10.2**
18980	2012	0.0	2.8	2.2	0.1	4.1	0.8	**10.0**
19345	2013	0.0	2.7	2.2	0.1	4.0	0.8	**9.8**
19710	2014	0.0	2.7	2.2	0.1	3.9	0.8	**9.7**
20075	2015	0.0	2.7	2.2	0.1	3.9	0.9	**9.9**
20440	2016	0.0	2.8	2.3	0.1	3.9	0.9	**9.9**
20805	2017	0.0	2.7	2.2	0.1	3.9	0.9	**9.8**
21170	2018	0.0	2.7	2.2	0.1	3.9	0.9	**9.7**
21535	2019	0.0	2.7	2.0	0.1	3.8	0.8	**9.5**
21900	2020	0.0	2.7	2.0	0.1	3.8	0.8	**9.4**
22265	2021	0.0	2.7	1.9	0.1	3.8	0.8	**9.1**
22630	2022	0.0	2.7	1.8	0.1	3.7	0.8	**9.0**
22995	2023	0.0	2.6	1.6	0.1	3.7	0.7	**8.7**
23360	2024	0.0	2.6	1.5	0.1	3.7	0.7	**8.6**
23725	2025	0.0	2.6	1.4	0.1	3.6	0.7	**8.4**
24090	2026	0.0	2.6	1.4	0.1	3.6	0.7	**8.3**
24455	2027	0.0	2.5	1.4	0.1	3.5	0.8	**8.3**
24820	2028	0.0	2.5	1.4	0.1	3.5	0.8	**8.3**
25185	2029	0.0	2.5	1.4	0.1	3.4	0.9	**8.3**
25550	2030	0.0	2.5	1.5	0.1	3.4	0.9	**8.4**
25915	2031	0.0	2.7	1.5	0.1	3.4	0.9	**8.6**
26280	2032	0.0	2.7	1.6	0.1	3.4	0.9	**8.8**
26645	2033	0.0	2.8	1.7	0.1	3.4	1.0	**9.0**
27010	2034	0.0	2.8	1.8	0.1	3.4	1.0	**9.1**
Salinity (mg/L)		***15,000***	***5,000***	***10,000***	***20,000***	***20,000***	***20,000***	

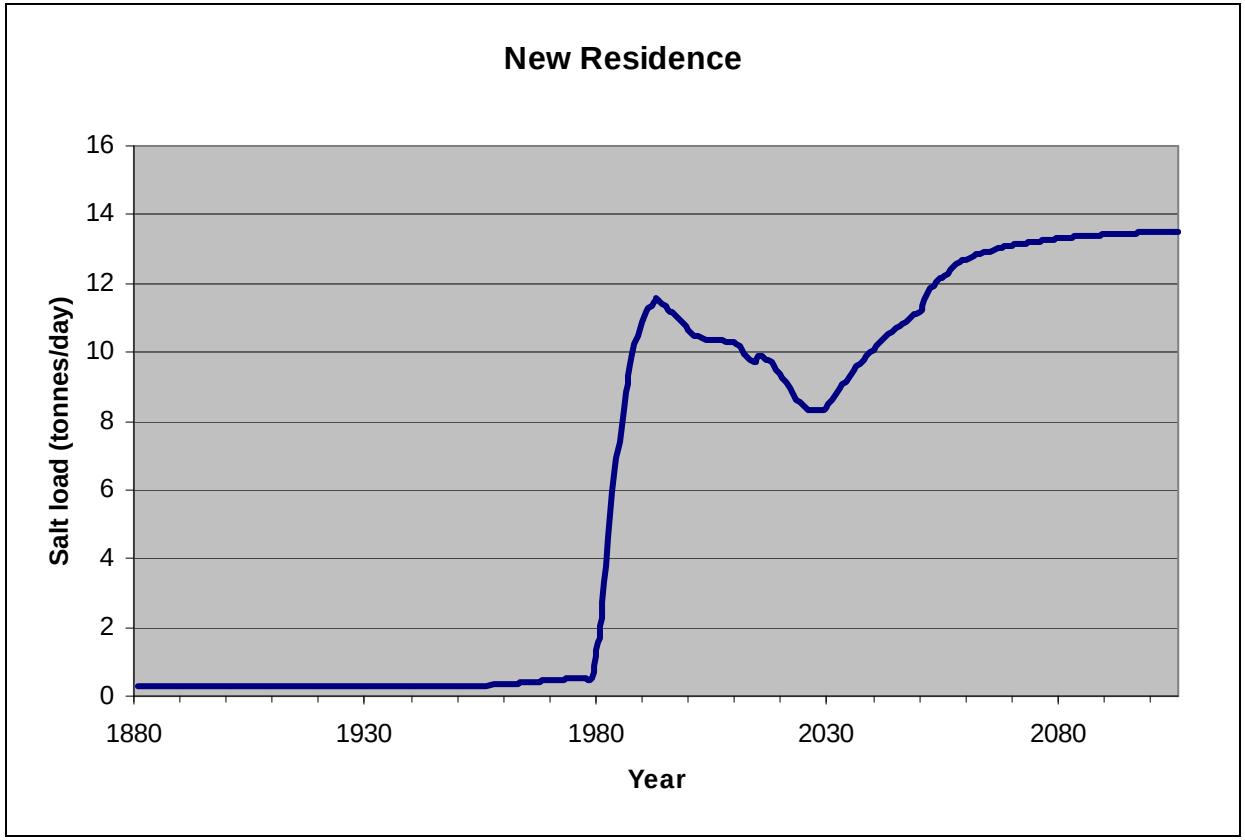
B-3(S5). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
27375	2035	0.0	2.9	1.9	0.1	3.4	1.1	9.3
27740	2036	0.0	2.9	1.9	0.1	3.5	1.1	9.5
28105	2037	0.0	3.0	2.0	0.1	3.5	1.1	9.6
28470	2038	0.0	3.0	2.1	0.1	3.5	1.1	9.8
28835	2039	0.0	3.0	2.1	0.1	3.6	1.1	9.9
29200	2040	0.0	3.1	2.2	0.1	3.6	1.1	10.1
29565	2041	0.0	3.1	2.2	0.1	3.7	1.1	10.2
29930	2042	0.0	3.1	2.3	0.1	3.7	1.1	10.3
30295	2043	0.0	3.2	2.3	0.1	3.8	1.1	10.5
30660	2044	0.0	3.2	2.3	0.1	3.8	1.2	10.6
31025	2045	0.0	3.2	2.3	0.1	3.9	1.2	10.7
31390	2046	0.0	3.3	2.3	0.1	3.9	1.2	10.8
31755	2047	0.0	3.3	2.4	0.1	3.9	1.2	10.9
32120	2048	0.0	3.4	2.4	0.1	4.0	1.2	11.0
32485	2049	0.0	3.4	2.4	0.1	4.0	1.2	11.1
32850	2050	0.0	3.5	2.4	0.1	4.0	1.2	11.2
33215	2051	0.0	3.5	2.7	0.1	4.1	1.2	11.5
33580	2052	0.0	3.5	2.8	0.1	4.1	1.2	11.8
33945	2053	0.0	3.6	2.9	0.1	4.1	1.2	11.9
34310	2054	0.0	3.6	3.0	0.1	4.1	1.2	12.1
34675	2055	0.0	3.6	3.0	0.1	4.2	1.2	12.2
35040	2056	0.0	3.7	3.1	0.1	4.2	1.2	12.3
35405	2057	0.0	3.7	3.1	0.1	4.2	1.3	12.4
35770	2058	0.0	3.7	3.1	0.1	4.2	1.3	12.5
36135	2059	0.0	3.8	3.2	0.1	4.2	1.3	12.6
36500	2060	0.0	3.8	3.2	0.1	4.2	1.3	12.7
36865	2061	0.0	3.8	3.2	0.1	4.3	1.3	12.7
37230	2062	0.0	3.8	3.2	0.1	4.3	1.4	12.8
37595	2063	0.0	3.9	3.2	0.1	4.3	1.4	12.8
37960	2064	0.0	3.9	3.2	0.1	4.3	1.4	12.9
38325	2065	0.0	3.9	3.2	0.1	4.3	1.4	12.9
38690	2066	0.0	3.9	3.3	0.1	4.3	1.4	13.0
39055	2067	0.0	3.9	3.3	0.1	4.3	1.4	13.0
39420	2068	0.0	4.0	3.3	0.1	4.3	1.4	13.0
39785	2069	0.0	4.0	3.3	0.1	4.3	1.4	13.1
40150	2070	0.0	4.0	3.3	0.1	4.4	1.4	13.1
40515	2071	0.0	4.0	3.3	0.1	4.4	1.4	13.1
Salinity (mg/L)		15,000	5,000	10,000	20,000	20,000	20,000	

B-3(S5). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			New Residence Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
40880	2072	0.0	4.0	3.3	0.1	4.4	1.4	13.1
41245	2073	0.0	4.0	3.3	0.1	4.4	1.4	13.2
41610	2074	0.0	4.0	3.3	0.1	4.4	1.4	13.2
41975	2075	0.0	4.0	3.3	0.1	4.4	1.4	13.2
42340	2076	0.0	4.1	3.3	0.1	4.4	1.4	13.2
42705	2077	0.0	4.1	3.3	0.1	4.4	1.4	13.3
43070	2078	0.0	4.1	3.3	0.1	4.4	1.4	13.3
43435	2079	0.0	4.1	3.3	0.1	4.4	1.4	13.3
43800	2080	0.0	4.1	3.3	0.1	4.4	1.4	13.3
44165	2081	0.0	4.1	3.3	0.1	4.4	1.4	13.3
44530	2082	0.0	4.1	3.3	0.1	4.4	1.4	13.3
44895	2083	0.0	4.1	3.3	0.1	4.4	1.4	13.3
45260	2084	0.0	4.1	3.3	0.1	4.4	1.4	13.4
45625	2085	0.0	4.1	3.3	0.1	4.4	1.4	13.4
45990	2086	0.0	4.1	3.3	0.1	4.4	1.4	13.4
46355	2087	0.0	4.2	3.3	0.1	4.4	1.4	13.4
46720	2088	0.0	4.2	3.3	0.1	4.4	1.4	13.4
47085	2089	0.0	4.2	3.3	0.1	4.4	1.4	13.4
47450	2090	0.0	4.2	3.3	0.1	4.4	1.4	13.4
47815	2091	0.0	4.2	3.3	0.1	4.5	1.4	13.4
48180	2092	0.0	4.2	3.3	0.1	4.5	1.4	13.4
48545	2093	0.0	4.2	3.3	0.1	4.5	1.4	13.4
48910	2094	0.0	4.2	3.3	0.1	4.5	1.4	13.4
49275	2095	0.0	4.2	3.3	0.1	4.5	1.4	13.5
49640	2096	0.0	4.2	3.3	0.1	4.5	1.4	13.5
50005	2097	0.0	4.2	3.3	0.1	4.5	1.4	13.5
50370	2098	0.0	4.2	3.3	0.1	4.5	1.4	13.5
50735	2099	0.0	4.2	3.3	0.1	4.5	1.4	13.5
51100	2100	0.0	4.2	3.3	0.1	4.5	1.4	13.5
51465	2101	0.0	4.2	3.3	0.1	4.5	1.4	13.5
51830	2102	0.0	4.2	3.3	0.1	4.5	1.4	13.5
52195	2103	0.0	4.2	3.3	0.1	4.5	1.4	13.5
52560	2104	0.0	4.2	3.3	0.1	4.5	1.4	13.5
52925	2105	0.0	4.2	3.3	0.1	4.5	1.4	13.5
53290	2106	0.0	4.2	3.3	0.1	4.5	1.4	13.5
Salinity (mg/L)		*15,000*	*5,000*	*10,000*	*20,000*	*20,000*	*20,000*	

B-3(S5). Modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 5)



B-3(S5). Graph of modelled salt load (tonnes/day) entering the River Murray in the New Residence area (Scenario 5)

B-4. MODEL OUTPUT – MOOROOK AREA

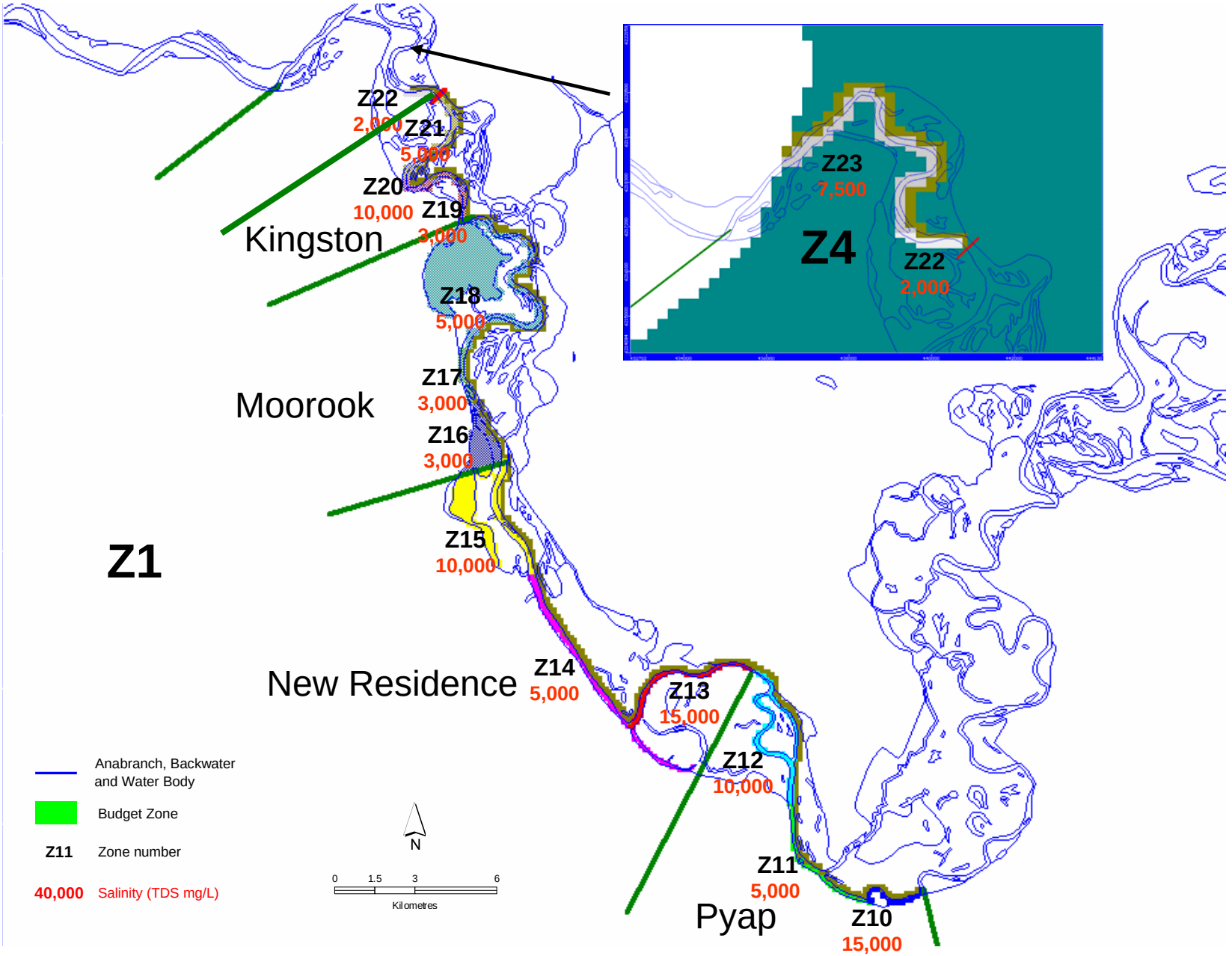
- Model Scenario conditions
- Flow budget zones
- Transient groundwater flux and salt load
- Modelled groundwater flux (m^3/d and L/s)
- Modelled salt load (t/d)

(Transient from 1888 to 1960)

(Scenario-2, 3A, 3B, 3C, 4 and 5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)



B4-1: Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Pyap to Kingston area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	1881	0	54	85	0	1	21	**162**	***2***
7300	1900	0	54	85	0	1	21	**162**	***2***
9125	1905	0	54	85	0	1	21	**162**	***2***
10950	1910	0	54	103	0	1	23	**182**	***2***
12775	1915	0	54	125	0	1	25	**206**	***2***
14600	1920	0	54	147	0	1	27	**230**	***3***
16425	1925	0	55	170	0	1	29	**255**	***3***
18250	1930	0	55	193	0	1	32	**280**	***3***
20075	1935	0	55	216	1	1	34	**306**	***4***
21900	1940	0	60	268	1	1	39	**369**	***4***
23725	1945	0	68	305	1	1	43	**418**	***5***
25550	1950	1	88	363	1	2	48	**502**	***6***
27375	1955	1	123	470	1	3	59	**657**	***8***
29200	1960	4	193	648	3	6	76	**930**	***11***

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1881	0.0	0.2	0.3	0.0	0.0	0.3	**0.8**
7300	1900	0.0	0.2	0.3	0.0	0.0	0.3	**0.8**
9125	1905	0.0	0.2	0.3	0.0	0.0	0.3	**0.8**
10950	1910	0.0	0.2	0.3	0.0	0.0	0.3	**0.8**
12775	1915	0.0	0.2	0.4	0.0	0.0	0.4	**0.9**
14600	1920	0.0	0.2	0.4	0.0	0.0	0.4	**1.0**
16425	1925	0.0	0.2	0.5	0.0	0.0	0.4	**1.1**
18250	1930	0.0	0.2	0.6	0.0	0.0	0.5	**1.2**
20075	1935	0.0	0.2	0.6	0.0	0.0	0.5	**1.3**
21900	1940	0.0	0.2	0.8	0.0	0.0	0.6	**1.6**
23725	1945	0.0	0.2	0.9	0.0	0.0	0.6	**1.8**
25550	1950	0.0	0.3	1.1	0.0	0.0	0.7	**2.1**
27375	1955	0.0	0.4	1.4	0.0	0.0	0.9	**2.7**
29200	1960	0.0	0.6	1.9	0.0	0.1	1.1	**3.8**
Salinity (mg/L)		***3,000***	***3,000***	***3,000***	***15,000***	***15,000***	***15,000***	

B-4(Transient from 1880 to 1960). Modelled groundwater flux (m^3/day) and salt load (tonnes/day) entering the River Murray from flow budget zones in the Moorook area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	**1881**	0	54	85	0	1	21	**162**	***2***
3650	**1890**	0	54	85	0	1	21	**162**	***2***
7300	**1900**	0	55	85	0	1	21	**162**	***2***
9125	**1905**	0	56	86	0	1	22	**165**	***2***
10950	**1910**	0	57	86	0	1	22	**166**	***2***
12775	**1915**	0	59	87	1	1	22	**169**	***2***
14600	**1920**	0	59	87	1	1	22	**170**	***2***
16425	**1925**	0	61	89	1	1	22	**174**	***2***
18250	**1930**	0	61	89	1	1	22	**174**	***2***
20075	**1935**	0	63	91	1	1	22	**178**	***2***
21900	**1940**	0	63	91	1	1	23	**179**	***2***
23725	**1945**	1	64	93	1	1	23	**183**	***2***
25550	**1950**	1	65	94	1	1	23	**184**	***2***
27375	**1955**	1	66	96	1	1	23	**188**	***2***
29200	**1960**	1	67	97	1	1	24	**190**	***2***
29565	**1961**	1	67	98	1	1	24	**192**	***2***
29930	**1962**	1	67	99	1	1	24	**193**	***2***
30295	**1963**	2	67	99	1	1	24	**195**	***2***
30660	**1964**	2	68	100	1	1	24	**195**	***2***
31025	**1965**	2	68	100	1	1	24	**196**	***2***
31390	**1966**	2	68	100	1	1	24	**197**	***2***
31755	**1967**	2	68	100	1	1	24	**197**	***2***
32120	**1968**	2	69	101	1	1	24	**198**	***2***
32485	**1969**	2	69	101	1	1	24	**198**	***2***
32850	**1970**	2	69	101	1	1	24	**198**	***2***
33215	**1971**	2	69	102	1	1	25	**201**	***2***
33580	**1972**	2	69	103	2	1	25	**202**	***2***
33945	**1973**	2	70	104	2	1	25	**204**	***2***
34310	**1974**	2	70	104	2	1	25	**205**	***2***
34675	**1975**	3	70	104	2	1	25	**206**	***2***
35040	**1976**	3	71	105	2	1	25	**206**	***2***
35405	**1977**	3	71	105	2	1	26	**207**	***2***
35770	**1978**	3	71	105	2	1	26	**208**	***2***
36135	**1979**	3	71	105	2	1	26	**208**	***2***
36500	**1980**	3	71	105	2	1	26	**208**	***2***
36865	**1981**	3	72	107	2	1	26	**211**	***2***
37230	**1982**	3	72	108	2	1	26	**213**	***2***
37595	**1983**	4	72	108	2	1	27	**214**	***2***
37960	**1984**	4	73	109	2	1	27	**216**	***2***
38325	**1985**	4	73	109	3	1	27	**217**	***3***
38690	**1986**	4	73	109	3	1	27	**217**	***3***

B-4(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
39055	**1987**	4	74	109	3	2	27	**218**	***3***
39420	**1988**	4	74	110	3	2	27	**219**	***3***
39785	**1989**	4	74	110	3	2	27	**219**	***3***
40150	**1990**	4	74	110	3	2	27	**220**	***3***
40515	**1991**	5	74	111	3	2	28	**222**	***3***
40880	**1992**	5	75	112	3	2	28	**225**	***3***
41245	**1993**	5	75	113	3	2	28	**226**	***3***
41610	**1994**	5	76	113	4	2	28	**228**	***3***
41975	**1995**	5	76	114	4	2	28	**229**	***3***
42340	**1996**	6	76	114	4	2	29	**230**	***3***
42705	**1997**	6	77	114	4	2	29	**231**	***3***
43070	**1998**	6	77	114	4	2	29	**231**	***3***
43435	**1999**	6	77	114	4	2	29	**232**	***3***
43800	**2000**	6	77	115	4	2	29	**232**	***3***
44165	**2001**	6	78	116	4	2	29	**235**	***3***
44530	**2002**	7	78	117	5	2	30	**238**	***3***
44895	**2003**	7	78	117	5	2	30	**240**	***3***
45260	**2004**	8	79	118	5	2	30	**242**	***3***
45625	**2005**	8	79	118	5	2	30	**243**	***3***
45990	**2006**	8	80	119	5	2	31	**244**	***3***
46355	**2007**	8	80	119	5	2	31	**245**	***3***
46720	**2008**	9	80	119	5	2	31	**246**	***3***
47085	**2009**	9	80	119	5	2	31	**247**	***3***
47450	**2010**	9	81	119	6	2	31	**248**	***3***
47815	**2011**	9	81	121	6	2	31	**251**	***3***
48180	**2012**	10	81	121	6	2	32	**253**	***3***
48545	**2013**	10	82	122	7	2	32	**256**	***3***
48910	**2014**	11	82	123	7	2	32	**257**	***3***
49275	**2015**	11	83	123	7	3	33	**259**	***3***
49640	**2016**	11	83	124	7	3	33	**260**	***3***
50005	**2017**	11	83	124	7	3	33	**261**	***3***
50370	**2018**	12	84	124	7	3	33	**262**	***3***
50735	**2019**	12	84	124	7	3	33	**263**	***3***
51100	**2020**	12	84	125	7	3	33	**264**	***3***
51465	**2021**	12	85	126	8	3	34	**267**	***3***
51830	**2022**	13	85	126	8	3	34	**270**	***3***
52195	**2023**	13	85	127	9	3	35	**272**	***3***
52560	**2024**	14	86	128	9	3	35	**274**	***3***
52925	**2025**	14	86	128	9	3	35	**275**	***3***
53290	**2026**	14	87	129	9	3	35	**277**	***3***

B-4(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
53655	2027	14	87	129	9	3	35	278	3
54020	2028	15	87	129	9	3	35	279	3
54385	2029	15	88	129	9	3	36	280	3
54750	2030	15	88	130	9	3	36	281	3
55115	2031	15	88	130	10	3	36	283	3
55480	2032	16	89	131	10	3	37	286	3
55845	2033	16	89	132	11	3	37	288	3
56210	2034	17	89	133	11	3	37	290	3
56575	2035	17	90	133	11	4	38	292	3
56940	2036	17	90	133	11	4	38	293	3
57305	2037	17	90	134	11	4	38	294	3
57670	2038	18	91	134	11	4	38	295	3
58035	2039	18	91	134	11	4	38	296	3
58400	2040	18	91	135	11	4	38	297	3
58765	2041	18	91	135	12	4	39	300	3
59130	2042	19	92	136	12	4	39	302	3
59495	2043	19	92	137	13	4	40	304	4
59860	2044	19	93	137	13	4	40	306	4
60225	2045	20	93	138	13	4	40	307	4
60590	2046	20	93	138	13	4	40	309	4
60955	2047	20	94	138	13	4	40	310	4
61320	2048	20	94	139	13	4	41	311	4
61685	2049	20	94	139	13	4	41	312	4
62050	2050	21	94	139	14	4	41	313	4
62415	2051	21	95	140	14	4	41	315	4
62780	2052	21	95	140	14	4	42	317	4
63145	2053	21	95	141	15	5	42	319	4
63510	2054	22	96	141	15	5	42	320	4
63875	2055	22	96	142	15	5	42	322	4
64240	2056	22	96	142	15	5	43	323	4
64605	2057	22	96	142	15	5	43	324	4
64970	2058	22	97	143	15	5	43	325	4
65335	2059	23	97	143	15	5	43	326	4
65700	2060	23	97	143	16	5	43	327	4
66065	2061	23	97	144	16	5	44	328	4
66430	2062	23	98	144	16	5	44	330	4
66795	2063	23	98	145	16	5	44	332	4
67160	2064	24	98	145	17	5	45	333	4
67525	2065	24	98	146	17	5	45	334	4
67890	2066	24	99	146	17	5	45	336	4

B-4(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
68255	**2067**	24	99	146	17	5	45	**337**	***4***
68620	**2068**	24	99	146	17	5	45	**337**	***4***
68985	**2069**	24	99	147	17	5	45	**338**	***4***
69350	**2070**	25	100	147	17	5	45	**339**	***4***
69715	**2071**	25	100	147	18	5	46	**341**	***4***
70080	**2072**	25	100	148	18	5	46	**342**	***4***
70445	**2073**	25	100	148	18	5	46	**344**	***4***
70810	**2074**	25	100	149	18	6	47	**345**	***4***
71175	**2075**	26	101	149	19	6	47	**346**	***4***
71540	**2076**	26	101	149	19	6	47	**347**	***4***
71905	**2077**	26	101	150	19	6	47	**348**	***4***
72270	**2078**	26	101	150	19	6	47	**349**	***4***
72635	**2079**	26	101	150	19	6	47	**350**	***4***
73000	**2080**	26	102	150	19	6	47	**351**	***4***
73365	**2081**	26	102	150	19	6	48	**351**	***4***
73730	**2082**	27	102	151	19	6	48	**352**	***4***
74095	**2083**	27	102	151	20	6	48	**353**	***4***
74460	**2084**	27	102	151	20	6	48	**354**	***4***
74825	**2085**	27	102	151	20	6	48	**354**	***4***
75190	**2086**	27	103	151	20	6	48	**355**	***4***
75555	**2087**	27	103	152	20	6	48	**356**	***4***
75920	**2088**	27	103	152	20	6	48	**356**	***4***
76285	**2089**	27	103	152	20	6	49	**357**	***4***
76650	**2090**	27	103	152	20	6	49	**358**	***4***
77015	**2091**	28	103	152	20	6	49	**358**	***4***
77380	**2092**	28	103	152	21	6	49	**359**	***4***
77745	**2093**	28	103	152	21	6	49	**359**	***4***
78110	**2094**	28	104	153	21	6	49	**360**	***4***
78475	**2095**	28	104	153	21	6	49	**361**	***4***
78840	**2096**	28	104	153	21	6	49	**361**	***4***
79205	**2097**	28	104	153	21	6	49	**362**	***4***
79570	**2098**	28	104	153	21	6	50	**363**	***4***
79935	**2099**	28	104	153	21	6	50	**363**	***4***
80300	**2100**	28	104	153	21	6	50	**364**	***4***
80665	**2101**	28	104	154	22	6	50	**364**	***4***
81030	**2102**	29	105	154	22	6	50	**365**	***4***
81395	**2103**	29	105	154	22	6	50	**365**	***4***
81760	**2104**	29	105	154	22	6	50	**366**	***4***
82125	**2105**	29	105	154	22	6	50	**367**	***4***
82490	**2106**	29	105	154	22	6	50	**367**	***4***

B-4(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1881	0.0	0.2	0.3	0.0	0.0	0.3	0.8
3650	1890	0.0	0.2	0.3	0.0	0.0	0.3	0.8
7300	1900	0.0	0.2	0.3	0.0	0.0	0.3	0.8
9125	1905	0.0	0.2	0.3	0.0	0.0	0.3	0.8
10950	1910	0.0	0.2	0.3	0.0	0.0	0.3	0.8
12775	1915	0.0	0.2	0.3	0.0	0.0	0.3	0.8
14600	1920	0.0	0.2	0.3	0.0	0.0	0.3	0.8
16425	1925	0.0	0.2	0.3	0.0	0.0	0.3	0.8
18250	1930	0.0	0.2	0.3	0.0	0.0	0.3	0.8
20075	1935	0.0	0.2	0.3	0.0	0.0	0.3	0.8
21900	1940	0.0	0.2	0.3	0.0	0.0	0.3	0.8
23725	1945	0.0	0.2	0.3	0.0	0.0	0.3	0.8
25550	1950	0.0	0.2	0.3	0.0	0.0	0.3	0.8
27375	1955	0.0	0.2	0.3	0.0	0.0	0.3	0.9
29200	1960	0.0	0.2	0.3	0.0	0.0	0.4	0.9
29565	1961	0.0	0.2	0.3	0.0	0.0	0.4	0.9
29930	1962	0.0	0.2	0.3	0.0	0.0	0.4	0.9
30295	1963	0.0	0.2	0.3	0.0	0.0	0.4	0.9
30660	1964	0.0	0.2	0.3	0.0	0.0	0.4	0.9
31025	1965	0.0	0.2	0.3	0.0	0.0	0.4	0.9
31390	1966	0.0	0.2	0.3	0.0	0.0	0.4	0.9
31755	1967	0.0	0.2	0.3	0.0	0.0	0.4	0.9
32120	1968	0.0	0.2	0.3	0.0	0.0	0.4	0.9
32485	1969	0.0	0.2	0.3	0.0	0.0	0.4	0.9
32850	1970	0.0	0.2	0.3	0.0	0.0	0.4	0.9
33215	1971	0.0	0.2	0.3	0.0	0.0	0.4	0.9
33580	1972	0.0	0.2	0.3	0.0	0.0	0.4	0.9
33945	1973	0.0	0.2	0.3	0.0	0.0	0.4	0.9
34310	1974	0.0	0.2	0.3	0.0	0.0	0.4	1.0
34675	1975	0.0	0.2	0.3	0.0	0.0	0.4	1.0
35040	1976	0.0	0.2	0.3	0.0	0.0	0.4	1.0
35405	1977	0.0	0.2	0.3	0.0	0.0	0.4	1.0
35770	1978	0.0	0.2	0.3	0.0	0.0	0.4	1.0
36135	1979	0.0	0.2	0.3	0.0	0.0	0.4	1.0
36500	1980	0.0	0.2	0.3	0.0	0.0	0.4	1.0
36865	1981	0.0	0.2	0.3	0.0	0.0	0.4	1.0
37230	1982	0.0	0.2	0.3	0.0	0.0	0.4	1.0
37595	1983	0.0	0.2	0.3	0.0	0.0	0.4	1.0
37960	1984	0.0	0.2	0.3	0.0	0.0	0.4	1.0
38325	1985	0.0	0.2	0.3	0.0	0.0	0.4	1.0
38690	1986	0.0	0.2	0.3	0.0	0.0	0.4	1.0
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S2). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
39055	1987	0.0	0.2	0.3	0.0	0.0	0.4	1.0
39420	1988	0.0	0.2	0.3	0.0	0.0	0.4	1.0
39785	1989	0.0	0.2	0.3	0.0	0.0	0.4	1.0
40150	1990	0.0	0.2	0.3	0.0	0.0	0.4	1.0
40515	1991	0.0	0.2	0.3	0.0	0.0	0.4	1.1
40880	1992	0.0	0.2	0.3	0.0	0.0	0.4	1.1
41245	1993	0.0	0.2	0.3	0.1	0.0	0.4	1.1
41610	1994	0.0	0.2	0.3	0.1	0.0	0.4	1.1
41975	1995	0.0	0.2	0.3	0.1	0.0	0.4	1.1
42340	1996	0.0	0.2	0.3	0.1	0.0	0.4	1.1
42705	1997	0.0	0.2	0.3	0.1	0.0	0.4	1.1
43070	1998	0.0	0.2	0.3	0.1	0.0	0.4	1.1
43435	1999	0.0	0.2	0.3	0.1	0.0	0.4	1.1
43800	2000	0.0	0.2	0.3	0.1	0.0	0.4	1.1
44165	2001	0.0	0.2	0.3	0.1	0.0	0.4	1.1
44530	2002	0.0	0.2	0.4	0.1	0.0	0.4	1.2
44895	2003	0.0	0.2	0.4	0.1	0.0	0.5	1.2
45260	2004	0.0	0.2	0.4	0.1	0.0	0.5	1.2
45625	2005	0.0	0.2	0.4	0.1	0.0	0.5	1.2
45990	2006	0.0	0.2	0.4	0.1	0.0	0.5	1.2
46355	2007	0.0	0.2	0.4	0.1	0.0	0.5	1.2
46720	2008	0.0	0.2	0.4	0.1	0.0	0.5	1.2
47085	2009	0.0	0.2	0.4	0.1	0.0	0.5	1.2
47450	2010	0.0	0.2	0.4	0.1	0.0	0.5	1.2
47815	2011	0.0	0.2	0.4	0.1	0.0	0.5	1.2
48180	2012	0.0	0.2	0.4	0.1	0.0	0.5	1.2
48545	2013	0.0	0.2	0.4	0.1	0.0	0.5	1.3
48910	2014	0.0	0.2	0.4	0.1	0.0	0.5	1.3
49275	2015	0.0	0.2	0.4	0.1	0.0	0.5	1.3
49640	2016	0.0	0.2	0.4	0.1	0.0	0.5	1.3
50005	2017	0.0	0.3	0.4	0.1	0.0	0.5	1.3
50370	2018	0.0	0.3	0.4	0.1	0.0	0.5	1.3
50735	2019	0.0	0.3	0.4	0.1	0.0	0.5	1.3
51100	2020	0.0	0.3	0.4	0.1	0.0	0.5	1.3
51465	2021	0.0	0.3	0.4	0.1	0.0	0.5	1.3
51830	2022	0.0	0.3	0.4	0.1	0.0	0.5	1.4
52195	2023	0.0	0.3	0.4	0.1	0.0	0.5	1.4
52560	2024	0.0	0.3	0.4	0.1	0.0	0.5	1.4
52925	2025	0.0	0.3	0.4	0.1	0.0	0.5	1.4
53290	2026	0.0	0.3	0.4	0.1	0.0	0.5	1.4
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

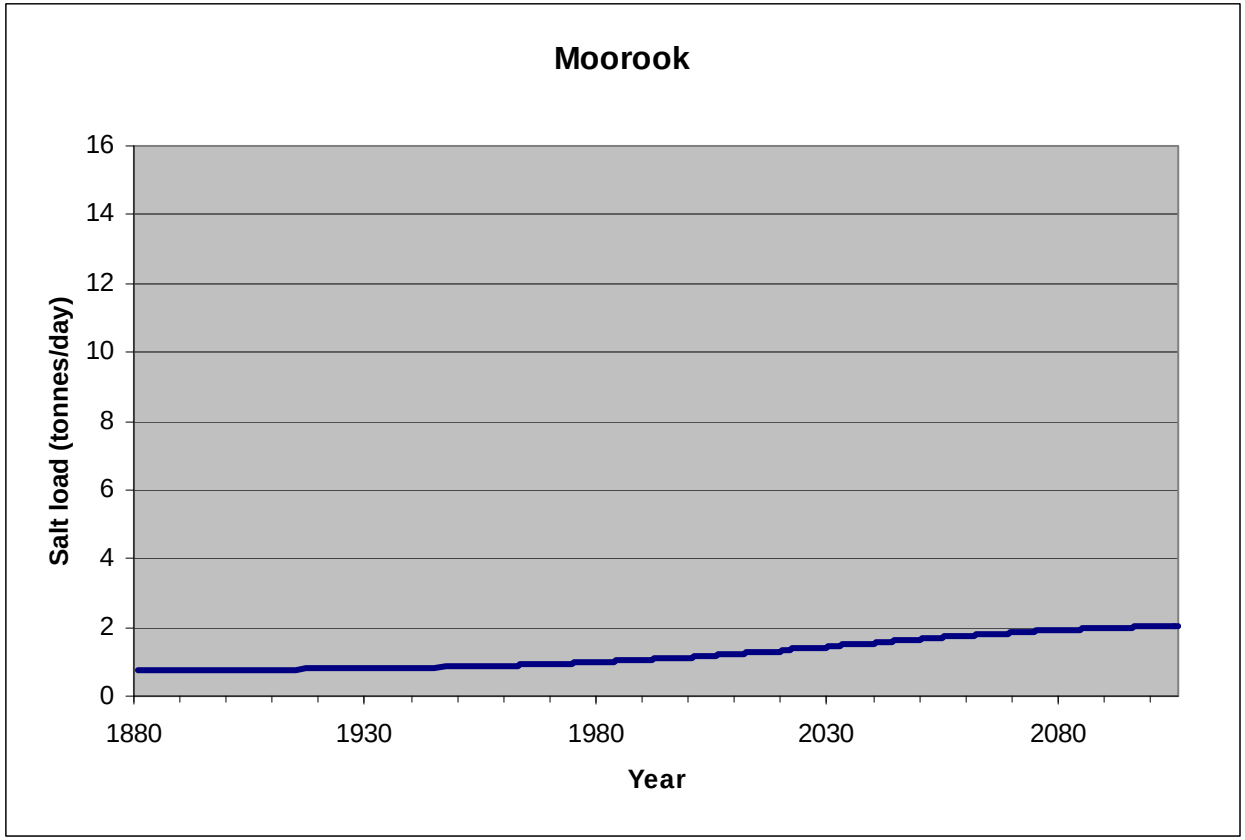
B-4(S2). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
53655	2027	0.0	0.3	0.4	0.1	0.0	0.5	1.4
54020	2028	0.0	0.3	0.4	0.1	0.0	0.5	1.4
54385	2029	0.0	0.3	0.4	0.1	0.0	0.5	1.4
54750	2030	0.0	0.3	0.4	0.1	0.0	0.5	1.4
55115	2031	0.0	0.3	0.4	0.1	0.0	0.5	1.4
55480	2032	0.0	0.3	0.4	0.2	0.1	0.6	1.5
55845	2033	0.0	0.3	0.4	0.2	0.1	0.6	1.5
56210	2034	0.0	0.3	0.4	0.2	0.1	0.6	1.5
56575	2035	0.1	0.3	0.4	0.2	0.1	0.6	1.5
56940	2036	0.1	0.3	0.4	0.2	0.1	0.6	1.5
57305	2037	0.1	0.3	0.4	0.2	0.1	0.6	1.5
57670	2038	0.1	0.3	0.4	0.2	0.1	0.6	1.5
58035	2039	0.1	0.3	0.4	0.2	0.1	0.6	1.5
58400	2040	0.1	0.3	0.4	0.2	0.1	0.6	1.5
58765	2041	0.1	0.3	0.4	0.2	0.1	0.6	1.6
59130	2042	0.1	0.3	0.4	0.2	0.1	0.6	1.6
59495	2043	0.1	0.3	0.4	0.2	0.1	0.6	1.6
59860	2044	0.1	0.3	0.4	0.2	0.1	0.6	1.6
60225	2045	0.1	0.3	0.4	0.2	0.1	0.6	1.6
60590	2046	0.1	0.3	0.4	0.2	0.1	0.6	1.6
60955	2047	0.1	0.3	0.4	0.2	0.1	0.6	1.6
61320	2048	0.1	0.3	0.4	0.2	0.1	0.6	1.6
61685	2049	0.1	0.3	0.4	0.2	0.1	0.6	1.6
62050	2050	0.1	0.3	0.4	0.2	0.1	0.6	1.6
62415	2051	0.1	0.3	0.4	0.2	0.1	0.6	1.7
62780	2052	0.1	0.3	0.4	0.2	0.1	0.6	1.7
63145	2053	0.1	0.3	0.4	0.2	0.1	0.6	1.7
63510	2054	0.1	0.3	0.4	0.2	0.1	0.6	1.7
63875	2055	0.1	0.3	0.4	0.2	0.1	0.6	1.7
64240	2056	0.1	0.3	0.4	0.2	0.1	0.6	1.7
64605	2057	0.1	0.3	0.4	0.2	0.1	0.6	1.7
64970	2058	0.1	0.3	0.4	0.2	0.1	0.6	1.7
65335	2059	0.1	0.3	0.4	0.2	0.1	0.6	1.7
65700	2060	0.1	0.3	0.4	0.2	0.1	0.6	1.7
66065	2061	0.1	0.3	0.4	0.2	0.1	0.7	1.8
66430	2062	0.1	0.3	0.4	0.2	0.1	0.7	1.8
66795	2063	0.1	0.3	0.4	0.2	0.1	0.7	1.8
67160	2064	0.1	0.3	0.4	0.2	0.1	0.7	1.8
67525	2065	0.1	0.3	0.4	0.3	0.1	0.7	1.8
67890	2066	0.1	0.3	0.4	0.3	0.1	0.7	1.8
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S2). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
68255	2067	0.1	0.3	0.4	0.3	0.1	0.7	1.8
68620	2068	0.1	0.3	0.4	0.3	0.1	0.7	1.8
68985	2069	0.1	0.3	0.4	0.3	0.1	0.7	1.8
69350	2070	0.1	0.3	0.4	0.3	0.1	0.7	1.8
69715	2071	0.1	0.3	0.4	0.3	0.1	0.7	1.8
70080	2072	0.1	0.3	0.4	0.3	0.1	0.7	1.9
70445	2073	0.1	0.3	0.4	0.3	0.1	0.7	1.9
70810	2074	0.1	0.3	0.4	0.3	0.1	0.7	1.9
71175	2075	0.1	0.3	0.4	0.3	0.1	0.7	1.9
71540	2076	0.1	0.3	0.4	0.3	0.1	0.7	1.9
71905	2077	0.1	0.3	0.4	0.3	0.1	0.7	1.9
72270	2078	0.1	0.3	0.4	0.3	0.1	0.7	1.9
72635	2079	0.1	0.3	0.4	0.3	0.1	0.7	1.9
73000	2080	0.1	0.3	0.5	0.3	0.1	0.7	1.9
73365	2081	0.1	0.3	0.5	0.3	0.1	0.7	1.9
73730	2082	0.1	0.3	0.5	0.3	0.1	0.7	1.9
74095	2083	0.1	0.3	0.5	0.3	0.1	0.7	1.9
74460	2084	0.1	0.3	0.5	0.3	0.1	0.7	1.9
74825	2085	0.1	0.3	0.5	0.3	0.1	0.7	1.9
75190	2086	0.1	0.3	0.5	0.3	0.1	0.7	2.0
75555	2087	0.1	0.3	0.5	0.3	0.1	0.7	2.0
75920	2088	0.1	0.3	0.5	0.3	0.1	0.7	2.0
76285	2089	0.1	0.3	0.5	0.3	0.1	0.7	2.0
76650	2090	0.1	0.3	0.5	0.3	0.1	0.7	2.0
77015	2091	0.1	0.3	0.5	0.3	0.1	0.7	2.0
77380	2092	0.1	0.3	0.5	0.3	0.1	0.7	2.0
77745	2093	0.1	0.3	0.5	0.3	0.1	0.7	2.0
78110	2094	0.1	0.3	0.5	0.3	0.1	0.7	2.0
78475	2095	0.1	0.3	0.5	0.3	0.1	0.7	2.0
78840	2096	0.1	0.3	0.5	0.3	0.1	0.7	2.0
79205	2097	0.1	0.3	0.5	0.3	0.1	0.7	2.0
79570	2098	0.1	0.3	0.5	0.3	0.1	0.7	2.0
79935	2099	0.1	0.3	0.5	0.3	0.1	0.7	2.0
80300	2100	0.1	0.3	0.5	0.3	0.1	0.7	2.0
80665	2101	0.1	0.3	0.5	0.3	0.1	0.7	2.0
81030	2102	0.1	0.3	0.5	0.3	0.1	0.8	2.0
81395	2103	0.1	0.3	0.5	0.3	0.1	0.8	2.0
81760	2104	0.1	0.3	0.5	0.3	0.1	0.8	2.0
82125	2105	0.1	0.3	0.5	0.3	0.1	0.8	2.0
82490	2106	0.1	0.3	0.5	0.3	0.1	0.8	2.0
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S2). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 2)



B-4(S2). Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	1961	5	236	802	3	8	87	1142	13
730	1962	6	282	912	4	11	98	1313	15
1095	1963	8	318	983	5	12	105	1431	17
1460	1964	10	353	1066	6	14	112	1562	18
1825	1965	12	381	1121	7	15	118	1654	19
2190	1966	14	411	1226	8	17	128	1804	21
2555	1967	17	434	1297	9	18	135	1910	22
2920	1968	20	460	1380	9	19	141	2030	23
3285	1969	23	480	1430	10	20	146	2108	24
3650	1970	27	513	1534	11	22	153	2260	26
4015	1971	31	539	1590	12	23	158	2352	27
4380	1972	36	578	1679	13	25	164	2494	29
4745	1973	41	607	1723	14	26	168	2580	30
5110	1974	47	638	1771	15	27	172	2670	31
5475	1975	52	662	1797	16	28	174	2729	32
5840	1976	58	689	1852	17	29	178	2823	33
6205	1977	63	710	1882	18	30	181	2883	33
6570	1978	68	736	1939	19	31	185	2977	34
6935	1979	73	755	1970	19	32	187	3036	35
7300	1980	77	769	1990	21	33	189	3078	36
7665	1981	81	779	2004	22	33	190	3109	36
8030	1982	85	787	2035	24	34	192	3157	37
8395	1983	88	793	2056	26	34	194	3191	37
8760	1984	92	809	2108	27	35	197	3268	38
9125	1985	95	823	2136	27	36	199	3316	38
9490	1986	99	844	2193	28	36	203	3403	39
9855	1987	102	860	2224	29	37	206	3458	40
10220	1988	106	871	2243	30	38	207	3495	40
10585	1989	109	880	2257	30	38	208	3522	41
10950	1990	111	886	2266	31	38	209	3542	41
11315	1991	114	892	2273	31	39	210	3557	41
11680	1992	115	896	2277	32	39	210	3568	41
12045	1993	117	900	2282	32	39	211	3581	41
12410	1994	118	901	2184	32	38	204	3478	40
12775	1995	119	896	2127	31	38	200	3411	39
13140	1996	120	885	2030	30	37	191	3294	38
13505	1997	120	872	1965	30	36	186	3209	37
13870	1998	119	859	1885	29	35	180	3107	36

B-4(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
14235	1999	119	846	1832	29	34	175	3035	35
14600	2000	118	834	1778	28	34	171	2963	34
14965	2001	117	825	1744	28	33	169	2915	34
15330	2002	116	817	1704	27	33	165	2861	33
15695	2003	115	810	1679	27	33	163	2827	33
16060	2004	114	805	1646	27	32	161	2784	32
16425	2005	113	800	1627	27	32	160	2758	32
16790	2006	112	797	1586	27	32	157	2710	31
17155	2007	110	774	1530	26	31	153	2624	30
17520	2008	108	758	1502	26	31	151	2575	30
17885	2009	105	728	1426	26	30	146	2460	28
18250	2010	101	709	1390	25	29	144	2398	28
18615	2011	97	677	1311	24	28	139	2275	26
18980	2012	93	655	1275	24	27	136	2209	26
19345	2013	88	622	1251	23	26	134	2144	25
19710	2014	83	600	1233	23	25	132	2096	24
20075	2015	78	567	1211	22	24	130	2032	24
20440	2016	73	544	1196	21	23	128	1985	23
20805	2017	68	529	1176	21	23	126	1943	22
21170	2018	64	519	1163	20	22	125	1913	22
21535	2019	61	512	1146	20	22	123	1883	22
21900	2020	58	506	1133	20	22	122	1861	22
22265	2021	56	502	1117	19	21	120	1836	21
22630	2022	54	498	1106	19	21	119	1818	21
22995	2023	52	496	1099	19	21	119	1805	21
23360	2024	51	494	1094	19	21	118	1797	21
23725	2025	49	492	1091	19	21	118	1790	21
24090	2026	48	491	1089	19	21	118	1786	21
24455	2027	48	490	1088	19	21	118	1782	21
24820	2028	47	489	1087	18	21	118	1780	21
25185	2029	47	489	1086	18	21	118	1778	21
25550	2030	46	488	1085	18	21	117	1776	21
25915	2031	46	488	1085	18	21	117	1775	21
26280	2032	46	487	1085	18	21	117	1774	21
26645	2033	45	487	1084	18	21	117	1773	21
27010	2034	45	487	1084	18	21	117	1773	21

B-4(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
27375	2035	45	487	1084	18	21	117	1772	21
27740	2036	45	486	1084	18	21	117	1772	21
28105	2037	45	486	1084	18	21	117	1771	21
28470	2038	45	486	1084	18	21	117	1771	20
28835	2039	45	486	1084	18	21	117	1771	20
29200	2040	45	486	1084	18	21	117	1771	20
29565	2041	45	486	1084	18	21	117	1771	20
29930	2042	45	486	1084	18	21	117	1771	20
30295	2043	45	486	1084	18	21	117	1771	20
30660	2044	45	486	1084	18	21	117	1770	20
31025	2045	45	486	1084	18	21	117	1770	20
31390	2046	45	486	1084	18	21	117	1770	20
31755	2047	45	486	1084	18	21	117	1770	20
32120	2048	45	486	1084	18	21	117	1770	20
32485	2049	45	486	1084	18	21	117	1770	20
32850	2050	45	486	1084	18	21	117	1770	20
33215	2051	45	486	1084	18	21	117	1770	20
33580	2052	45	486	1084	18	21	117	1770	20
33945	2053	45	486	1084	18	21	117	1770	20
34310	2054	45	486	1084	18	21	117	1770	20
34675	2055	45	486	1084	18	21	117	1770	20
35040	2056	45	486	1084	18	21	117	1771	20
35405	2057	45	486	1084	18	21	117	1771	20
35770	2058	45	486	1084	18	21	117	1771	20
36135	2059	45	486	1084	18	21	117	1771	20
36500	2060	45	486	1084	18	21	117	1771	20
36865	2061	45	486	1084	18	21	117	1771	20
37230	2062	45	486	1084	18	21	117	1771	20
37595	2063	45	486	1084	18	21	117	1771	20
37960	2064	45	486	1084	18	21	117	1771	20
38325	2065	45	486	1084	18	21	117	1771	20
38690	2066	45	486	1084	18	21	117	1771	20
39055	2067	45	486	1084	18	21	117	1771	20
39420	2068	45	486	1084	18	21	117	1771	20
39785	2069	45	486	1084	18	21	117	1771	20
40150	2070	45	486	1084	18	21	117	1771	20

B-4(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
40515	2071	45	486	1084	18	21	117	1771	20
40880	2072	45	486	1084	18	21	117	1771	20
41245	2073	45	486	1084	18	21	117	1771	20
41610	2074	45	486	1084	18	21	117	1771	20
41975	2075	45	486	1084	18	21	117	1771	20
42340	2076	45	486	1084	18	21	117	1771	20
42705	2077	45	486	1084	18	21	117	1771	20
43070	2078	45	486	1084	18	21	117	1771	20
43435	2079	45	486	1084	18	21	117	1771	20
43800	2080	45	486	1084	18	21	117	1771	20
44165	2081	45	486	1084	18	21	117	1771	20
44530	2082	45	486	1084	18	21	117	1771	20
44895	2083	45	486	1084	18	21	117	1771	20
45260	2084	45	486	1084	18	21	117	1771	20
45625	2085	45	486	1084	18	21	117	1771	20
45990	2086	45	486	1084	18	21	117	1771	20
46355	2087	45	486	1084	18	21	117	1771	20
46720	2088	45	486	1084	18	21	117	1771	20
47085	2089	45	486	1084	18	21	117	1771	20
47450	2090	45	486	1084	18	21	117	1771	20
47815	2091	45	486	1084	18	21	117	1771	21
48180	2092	45	486	1084	18	21	117	1771	21
48545	2093	45	486	1084	18	21	117	1771	21
48910	2094	45	486	1084	18	21	117	1771	21
49275	2095	45	486	1084	18	21	117	1771	21
49640	2096	45	486	1084	18	21	117	1771	21
50005	2097	45	486	1084	18	21	117	1771	21
50370	2098	45	486	1084	18	21	117	1771	21
50735	2099	45	486	1084	18	21	118	1771	21
51100	2100	45	486	1084	19	21	118	1771	21
51465	2101	45	486	1084	19	21	118	1771	21
51830	2102	45	486	1084	19	21	118	1771	21
52195	2103	45	486	1084	19	21	118	1771	21
52560	2104	45	486	1084	19	21	118	1771	21
52925	2105	45	486	1084	19	21	118	1771	21
53290	2106	45	486	1084	19	21	118	1771	21

B-4(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	0.0	0.7	2.4	0.0	0.1	1.3	4.6
730	1962	0.0	0.8	2.7	0.1	0.2	1.5	5.3
1095	1963	0.0	1.0	2.9	0.1	0.2	1.6	5.8
1460	1964	0.0	1.1	3.2	0.1	0.2	1.7	6.3
1825	1965	0.0	1.1	3.4	0.1	0.2	1.8	6.6
2190	1966	0.0	1.2	3.7	0.1	0.3	1.9	7.2
2555	1967	0.1	1.3	3.9	0.1	0.3	2.0	7.7
2920	1968	0.1	1.4	4.1	0.1	0.3	2.1	8.1
3285	1969	0.1	1.4	4.3	0.2	0.3	2.2	8.4
3650	1970	0.1	1.5	4.6	0.2	0.3	2.3	9.0
4015	1971	0.1	1.6	4.8	0.2	0.3	2.4	9.4
4380	1972	0.1	1.7	5.0	0.2	0.4	2.5	9.9
4745	1973	0.1	1.8	5.2	0.2	0.4	2.5	10.2
5110	1974	0.1	1.9	5.3	0.2	0.4	2.6	10.6
5475	1975	0.2	2.0	5.4	0.2	0.4	2.6	10.8
5840	1976	0.2	2.1	5.6	0.3	0.4	2.7	11.2
6205	1977	0.2	2.1	5.6	0.3	0.5	2.7	11.4
6570	1978	0.2	2.2	5.8	0.3	0.5	2.8	11.7
6935	1979	0.2	2.3	5.9	0.3	0.5	2.8	12.0
7300	1980	0.2	2.3	6.0	0.3	0.5	2.8	12.1
7665	1981	0.2	2.3	6.0	0.3	0.5	2.9	12.3
8030	1982	0.3	2.4	6.1	0.4	0.5	2.9	12.5
8395	1983	0.3	2.4	6.2	0.4	0.5	2.9	12.6
8760	1984	0.3	2.4	6.3	0.4	0.5	3.0	12.9
9125	1985	0.3	2.5	6.4	0.4	0.5	3.0	13.1
9490	1986	0.3	2.5	6.6	0.4	0.5	3.0	13.4
9855	1987	0.3	2.6	6.7	0.4	0.6	3.1	13.6
10220	1988	0.3	2.6	6.7	0.4	0.6	3.1	13.8
10585	1989	0.3	2.6	6.8	0.5	0.6	3.1	13.9
10950	1990	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11315	1991	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11680	1992	0.3	2.7	6.8	0.5	0.6	3.2	14.1
12045	1993	0.4	2.7	6.8	0.5	0.6	3.2	14.1
12410	1994	0.4	2.7	6.6	0.5	0.6	3.1	13.7
12775	1995	0.4	2.7	6.4	0.5	0.6	3.0	13.5
13140	1996	0.4	2.7	6.1	0.5	0.6	2.9	13.0
13505	1997	0.4	2.6	5.9	0.4	0.5	2.8	12.6
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	0.4	2.6	5.7	0.4	0.5	2.7	12.2
14235	1999	0.4	2.5	5.5	0.4	0.5	2.6	12.0
14600	2000	0.4	2.5	5.3	0.4	0.5	2.6	11.7
14965	2001	0.4	2.5	5.2	0.4	0.5	2.5	11.5
15330	2002	0.3	2.4	5.1	0.4	0.5	2.5	11.3
15695	2003	0.3	2.4	5.0	0.4	0.5	2.4	11.2
16060	2004	0.3	2.4	4.9	0.4	0.5	2.4	11.0
16425	2005	0.3	2.4	4.9	0.4	0.5	2.4	10.9
16790	2006	0.3	2.4	4.8	0.4	0.5	2.3	10.7
17155	2007	0.3	2.3	4.6	0.4	0.5	2.3	10.4
17520	2008	0.3	2.3	4.5	0.4	0.5	2.3	10.2
17885	2009	0.3	2.2	4.3	0.4	0.4	2.2	9.8
18250	2010	0.3	2.1	4.2	0.4	0.4	2.2	9.6
18615	2011	0.3	2.0	3.9	0.4	0.4	2.1	9.1
18980	2012	0.3	2.0	3.8	0.4	0.4	2.0	8.9
19345	2013	0.3	1.9	3.8	0.3	0.4	2.0	8.6
19710	2014	0.2	1.8	3.7	0.3	0.4	2.0	8.4
20075	2015	0.2	1.7	3.6	0.3	0.4	1.9	8.2
20440	2016	0.2	1.6	3.6	0.3	0.3	1.9	8.0
20805	2017	0.2	1.6	3.5	0.3	0.3	1.9	7.9
21170	2018	0.2	1.6	3.5	0.3	0.3	1.9	7.7
21535	2019	0.2	1.5	3.4	0.3	0.3	1.8	7.6
21900	2020	0.2	1.5	3.4	0.3	0.3	1.8	7.5
22265	2021	0.2	1.5	3.4	0.3	0.3	1.8	7.4
22630	2022	0.2	1.5	3.3	0.3	0.3	1.8	7.4
22995	2023	0.2	1.5	3.3	0.3	0.3	1.8	7.3
23360	2024	0.2	1.5	3.3	0.3	0.3	1.8	7.3
23725	2025	0.1	1.5	3.3	0.3	0.3	1.8	7.3
24090	2026	0.1	1.5	3.3	0.3	0.3	1.8	7.2
24455	2027	0.1	1.5	3.3	0.3	0.3	1.8	7.2
24820	2028	0.1	1.5	3.3	0.3	0.3	1.8	7.2
25185	2029	0.1	1.5	3.3	0.3	0.3	1.8	7.2
25550	2030	0.1	1.5	3.3	0.3	0.3	1.8	7.2
25915	2031	0.1	1.5	3.3	0.3	0.3	1.8	7.2
26280	2032	0.1	1.5	3.3	0.3	0.3	1.8	7.2
26645	2033	0.1	1.5	3.3	0.3	0.3	1.8	7.2
27010	2034	0.1	1.5	3.3	0.3	0.3	1.8	7.2
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

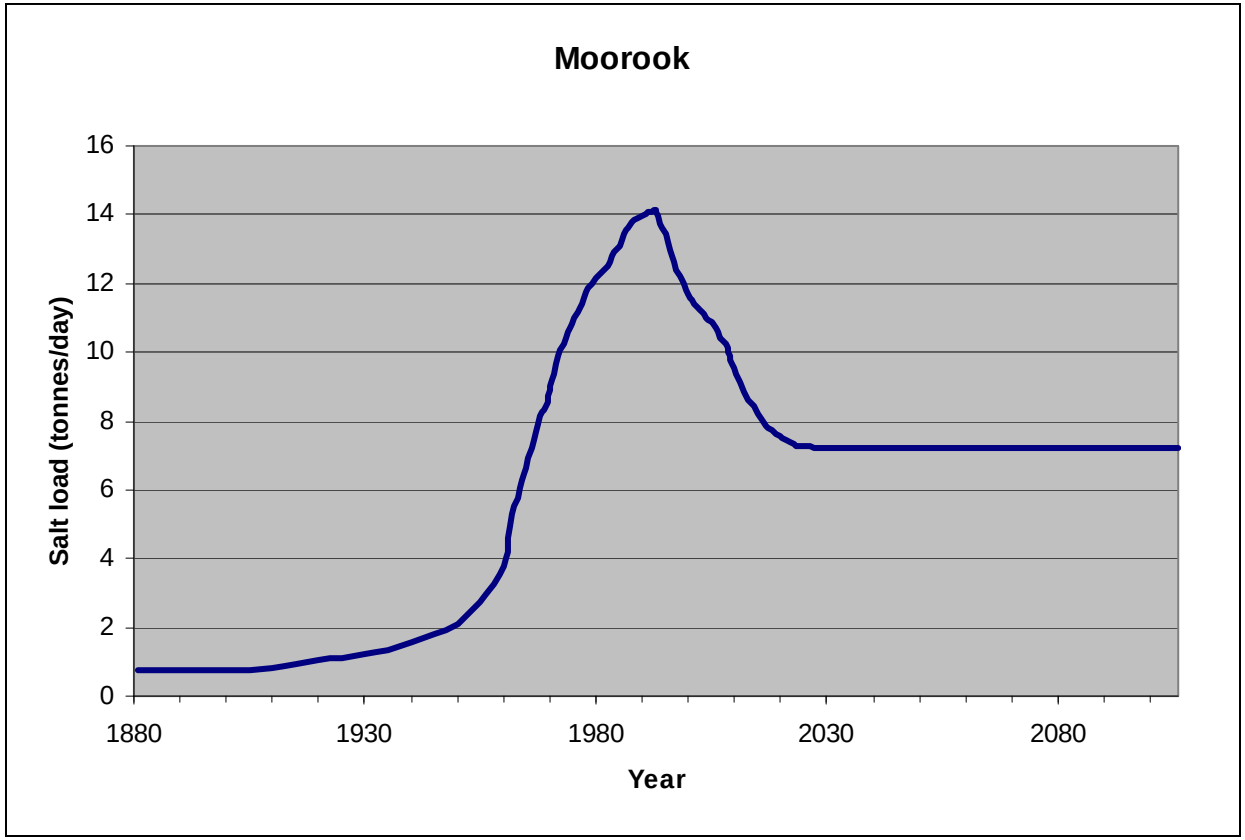
B-4(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.1	1.5	3.3	0.3	0.3	1.8	7.2
27740	2036	0.1	1.5	3.3	0.3	0.3	1.8	7.2
28105	2037	0.1	1.5	3.3	0.3	0.3	1.8	7.2
28470	2038	0.1	1.5	3.3	0.3	0.3	1.8	7.2
28835	2039	0.1	1.5	3.3	0.3	0.3	1.8	7.2
29200	2040	0.1	1.5	3.3	0.3	0.3	1.8	7.2
29565	2041	0.1	1.5	3.3	0.3	0.3	1.8	7.2
29930	2042	0.1	1.5	3.3	0.3	0.3	1.8	7.2
30295	2043	0.1	1.5	3.3	0.3	0.3	1.8	7.2
30660	2044	0.1	1.5	3.3	0.3	0.3	1.8	7.2
31025	2045	0.1	1.5	3.3	0.3	0.3	1.8	7.2
31390	2046	0.1	1.5	3.3	0.3	0.3	1.8	7.2
31755	2047	0.1	1.5	3.3	0.3	0.3	1.8	7.2
32120	2048	0.1	1.5	3.3	0.3	0.3	1.8	7.2
32485	2049	0.1	1.5	3.3	0.3	0.3	1.8	7.2
32850	2050	0.1	1.5	3.3	0.3	0.3	1.8	7.2
33215	2051	0.1	1.5	3.3	0.3	0.3	1.8	7.2
33580	2052	0.1	1.5	3.3	0.3	0.3	1.8	7.2
33945	2053	0.1	1.5	3.3	0.3	0.3	1.8	7.2
34310	2054	0.1	1.5	3.3	0.3	0.3	1.8	7.2
34675	2055	0.1	1.5	3.3	0.3	0.3	1.8	7.2
35040	2056	0.1	1.5	3.3	0.3	0.3	1.8	7.2
35405	2057	0.1	1.5	3.3	0.3	0.3	1.8	7.2
35770	2058	0.1	1.5	3.3	0.3	0.3	1.8	7.2
36135	2059	0.1	1.5	3.3	0.3	0.3	1.8	7.2
36500	2060	0.1	1.5	3.3	0.3	0.3	1.8	7.2
36865	2061	0.1	1.5	3.3	0.3	0.3	1.8	7.2
37230	2062	0.1	1.5	3.3	0.3	0.3	1.8	7.2
37595	2063	0.1	1.5	3.3	0.3	0.3	1.8	7.2
37960	2064	0.1	1.5	3.3	0.3	0.3	1.8	7.2
38325	2065	0.1	1.5	3.3	0.3	0.3	1.8	7.2
38690	2066	0.1	1.5	3.3	0.3	0.3	1.8	7.2
39055	2067	0.1	1.5	3.3	0.3	0.3	1.8	7.2
39420	2068	0.1	1.5	3.3	0.3	0.3	1.8	7.2
39785	2069	0.1	1.5	3.3	0.3	0.3	1.8	7.2
40150	2070	0.1	1.5	3.3	0.3	0.3	1.8	7.2
40515	2071	0.1	1.5	3.3	0.3	0.3	1.8	7.2
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.1	1.5	3.3	0.3	0.3	1.8	7.2
41245	2073	0.1	1.5	3.3	0.3	0.3	1.8	7.2
41610	2074	0.1	1.5	3.3	0.3	0.3	1.8	7.2
41975	2075	0.1	1.5	3.3	0.3	0.3	1.8	7.2
42340	2076	0.1	1.5	3.3	0.3	0.3	1.8	7.2
42705	2077	0.1	1.5	3.3	0.3	0.3	1.8	7.2
43070	2078	0.1	1.5	3.3	0.3	0.3	1.8	7.2
43435	2079	0.1	1.5	3.3	0.3	0.3	1.8	7.2
43800	2080	0.1	1.5	3.3	0.3	0.3	1.8	7.2
44165	2081	0.1	1.5	3.3	0.3	0.3	1.8	7.2
44530	2082	0.1	1.5	3.3	0.3	0.3	1.8	7.2
44895	2083	0.1	1.5	3.3	0.3	0.3	1.8	7.2
45260	2084	0.1	1.5	3.3	0.3	0.3	1.8	7.2
45625	2085	0.1	1.5	3.3	0.3	0.3	1.8	7.2
45990	2086	0.1	1.5	3.3	0.3	0.3	1.8	7.2
46355	2087	0.1	1.5	3.3	0.3	0.3	1.8	7.2
46720	2088	0.1	1.5	3.3	0.3	0.3	1.8	7.2
47085	2089	0.1	1.5	3.3	0.3	0.3	1.8	7.2
47450	2090	0.1	1.5	3.3	0.3	0.3	1.8	7.2
47815	2091	0.1	1.5	3.3	0.3	0.3	1.8	7.2
48180	2092	0.1	1.5	3.3	0.3	0.3	1.8	7.2
48545	2093	0.1	1.5	3.3	0.3	0.3	1.8	7.2
48910	2094	0.1	1.5	3.3	0.3	0.3	1.8	7.2
49275	2095	0.1	1.5	3.3	0.3	0.3	1.8	7.2
49640	2096	0.1	1.5	3.3	0.3	0.3	1.8	7.2
50005	2097	0.1	1.5	3.3	0.3	0.3	1.8	7.2
50370	2098	0.1	1.5	3.3	0.3	0.3	1.8	7.2
50735	2099	0.1	1.5	3.3	0.3	0.3	1.8	7.2
51100	2100	0.1	1.5	3.3	0.3	0.3	1.8	7.2
51465	2101	0.1	1.5	3.3	0.3	0.3	1.8	7.2
51830	2102	0.1	1.5	3.3	0.3	0.3	1.8	7.2
52195	2103	0.1	1.5	3.3	0.3	0.3	1.8	7.2
52560	2104	0.1	1.5	3.3	0.3	0.3	1.8	7.2
52925	2105	0.1	1.5	3.3	0.3	0.3	1.8	7.2
53290	2106	0.1	1.5	3.3	0.3	0.3	1.8	7.2
Salinity (mg/L)		*3,000*	*3,000*	*3,000*	*15,000*	*15,000*	*15,000*	

B-4(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3A)



B-4(S3A). Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	1961	5	236	802	3	8	87	1142	13
730	1962	6	282	912	4	11	98	1313	15
1095	1963	8	318	983	5	12	105	1431	17
1460	1964	10	353	1066	6	14	112	1562	18
1825	1965	12	381	1121	7	15	118	1654	19
2190	1966	14	411	1226	8	17	128	1804	21
2555	1967	17	434	1297	9	18	135	1910	22
2920	1968	20	460	1380	9	19	141	2030	23
3285	1969	23	480	1430	10	20	146	2108	24
3650	1970	27	513	1534	11	22	153	2260	26
4015	1971	31	539	1590	12	23	158	2352	27
4380	1972	36	578	1679	13	25	164	2494	29
4745	1973	41	607	1723	14	26	168	2580	30
5110	1974	47	638	1771	15	27	172	2670	31
5475	1975	52	662	1797	16	28	174	2729	32
5840	1976	58	689	1852	17	29	178	2823	33
6205	1977	63	710	1882	18	30	181	2883	33
6570	1978	68	736	1939	19	31	185	2977	34
6935	1979	73	755	1970	19	32	187	3036	35
7300	1980	77	769	1990	21	33	189	3078	36
7665	1981	81	779	2004	22	33	190	3109	36
8030	1982	85	787	2035	24	34	192	3157	37
8395	1983	88	793	2056	26	34	194	3191	37
8760	1984	92	809	2108	27	35	197	3268	38
9125	1985	95	823	2136	27	36	199	3316	38
9490	1986	99	844	2193	28	36	203	3403	39
9855	1987	102	860	2224	29	37	206	3458	40
10220	1988	106	871	2243	30	38	207	3495	40
10585	1989	109	880	2257	30	38	208	3522	41
10950	1990	111	886	2266	31	38	209	3542	41
11315	1991	114	892	2273	31	39	210	3557	41
11680	1992	115	896	2277	32	39	210	3568	41
12045	1993	117	900	2282	32	39	211	3581	41
12410	1994	118	901	2184	32	38	204	3478	40
12775	1995	119	896	2127	31	38	200	3411	39
13140	1996	120	885	2030	30	37	191	3294	38
13505	1997	120	872	1965	30	36	186	3209	37
13870	1998	119	858	1867	29	35	178	3085	36

B-4(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
14235	**1999**	118	843	1801	28	34	172	**2996**	***35***
14600	**2000**	117	828	1714	27	33	164	**2883**	***33***
14965	**2001**	116	813	1656	26	32	159	**2803**	***32***
15330	**2002**	115	800	1598	26	31	155	**2725**	***32***
15695	**2003**	113	789	1561	25	31	152	**2671**	***31***
16060	**2004**	112	780	1518	25	30	148	**2614**	***30***
16425	**2005**	110	772	1492	25	30	146	**2575**	***30***
16790	**2006**	109	766	1446	24	30	143	**2518**	***29***
17155	**2007**	107	741	1386	24	29	139	**2425**	***28***
17520	**2008**	104	724	1354	24	28	137	**2370**	***27***
17885	**2009**	100	693	1275	23	27	132	**2251**	***26***
18250	**2010**	97	672	1238	23	26	128	**2184**	***25***
18615	**2011**	92	639	1158	22	25	124	**2060**	***24***
18980	**2012**	88	617	1121	21	24	120	**1992**	***23***
19345	**2013**	83	584	1042	21	23	115	**1868**	***22***
19710	**2014**	78	561	1006	20	22	112	**1799**	***21***
20075	**2015**	72	527	920	19	21	107	**1667**	***19***
20440	**2016**	67	504	880	19	20	103	**1594**	***18***
20805	**2017**	62	470	826	17	19	99	**1493**	***17***
21170	**2018**	56	446	796	17	18	96	**1429**	***17***
21535	**2019**	50	411	768	16	17	93	**1355**	***16***
21900	**2020**	45	386	748	15	16	91	**1301**	***15***
22265	**2021**	40	363	727	14	15	89	**1247**	***14***
22630	**2022**	36	345	712	13	14	87	**1206**	***14***
22995	**2023**	32	333	693	12	13	85	**1168**	***14***
23360	**2024**	30	324	680	11	13	83	**1141**	***13***
23725	**2025**	27	317	671	11	13	82	**1121**	***13***
24090	**2026**	25	312	665	11	12	81	**1106**	***13***
24455	**2027**	24	308	652	10	12	80	**1087**	***13***
24820	**2028**	22	304	644	10	12	79	**1072**	***12***
25185	**2029**	21	301	630	10	12	78	**1052**	***12***
25550	**2030**	20	299	620	10	12	77	**1038**	***12***
25915	**2031**	20	297	606	10	12	76	**1020**	***12***
26280	**2032**	19	296	596	9	11	75	**1007**	***12***
26645	**2033**	18	295	590	9	11	74	**998**	***12***
27010	**2034**	18	294	586	9	11	74	**992**	***11***

B-4(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
27375	2035	17	293	583	9	11	73	987	11
27740	2036	17	292	581	9	11	73	984	11
28105	2037	17	292	580	9	11	73	982	11
28470	2038	17	291	579	9	11	73	980	11
28835	2039	16	291	578	9	11	73	979	11
29200	2040	16	290	578	9	11	73	978	11
29565	2041	16	290	578	9	11	73	977	11
29930	2042	16	290	577	9	11	73	976	11
30295	2043	16	290	577	9	11	73	976	11
30660	2044	16	290	577	9	11	73	975	11
31025	2045	16	289	577	9	11	73	975	11
31390	2046	16	289	577	9	11	73	974	11
31755	2047	16	289	577	9	11	73	974	11
32120	2048	16	289	577	9	11	72	974	11
32485	2049	16	289	577	9	11	72	974	11
32850	2050	16	289	577	9	11	72	974	11
33215	2051	16	289	577	9	11	72	974	11
33580	2052	16	289	577	9	11	72	974	11
33945	2053	16	289	577	9	11	72	973	11
34310	2054	16	289	576	9	11	72	973	11
34675	2055	16	289	576	9	11	72	973	11
35040	2056	16	289	576	9	11	72	973	11
35405	2057	16	289	576	9	11	72	973	11
35770	2058	16	289	576	9	11	72	973	11
36135	2059	16	289	576	9	11	72	973	11
36500	2060	16	289	576	9	11	72	973	11
36865	2061	16	289	576	9	11	72	973	11
37230	2062	16	289	576	9	11	72	973	11
37595	2063	16	289	576	9	11	72	973	11
37960	2064	16	289	576	9	11	72	973	11
38325	2065	16	289	576	9	11	72	973	11
38690	2066	16	289	576	9	11	72	973	11
39055	2067	16	289	576	9	11	72	973	11
39420	2068	16	289	576	9	11	72	973	11
39785	2069	16	289	576	9	11	72	973	11
40150	2070	16	289	576	9	11	72	973	11

B-4(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
40515	2071	16	289	576	9	11	72	973	11
40880	2072	16	289	576	9	11	72	973	11
41245	2073	16	289	576	9	11	72	973	11
41610	2074	16	289	576	9	11	72	973	11
41975	2075	16	289	576	9	11	72	973	11
42340	2076	16	289	576	9	11	72	973	11
42705	2077	16	289	576	9	11	72	973	11
43070	2078	16	289	576	9	11	72	973	11
43435	2079	16	289	576	9	11	72	973	11
43800	2080	16	289	576	9	11	72	973	11
44165	2081	16	289	576	9	11	72	973	11
44530	2082	16	289	576	9	11	72	973	11
44895	2083	16	289	576	9	11	72	973	11
45260	2084	16	289	576	9	11	72	973	11
45625	2085	16	289	576	9	11	72	973	11
45990	2086	16	289	576	9	11	72	973	11
46355	2087	16	289	576	9	11	72	973	11
46720	2088	16	289	576	9	11	72	973	11
47085	2089	16	289	576	9	11	72	973	11
47450	2090	16	289	576	9	11	72	973	11
47815	2091	16	289	576	9	11	72	973	11
48180	2092	16	289	576	9	11	72	973	11
48545	2093	16	289	576	9	11	72	973	11
48910	2094	16	289	576	9	11	72	973	11
49275	2095	16	289	576	9	11	72	973	11
49640	2096	16	289	576	9	11	72	973	11
50005	2097	16	289	576	9	11	72	973	11
50370	2098	16	289	576	9	11	72	973	11
50735	2099	16	289	576	9	11	72	973	11
51100	2100	16	289	576	9	11	72	973	11
51465	2101	16	289	576	9	11	72	973	11
51830	2102	16	289	576	9	11	72	973	11
52195	2103	16	289	576	9	11	72	973	11
52560	2104	16	289	576	9	11	72	973	11
52925	2105	16	289	576	9	11	72	973	11
53290	2106	16	289	576	9	11	72	973	11

B-4(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	0.0	0.7	2.4	0.0	0.1	1.3	4.6
730	1962	0.0	0.8	2.7	0.1	0.2	1.5	5.3
1095	1963	0.0	1.0	2.9	0.1	0.2	1.6	5.8
1460	1964	0.0	1.1	3.2	0.1	0.2	1.7	6.3
1825	1965	0.0	1.1	3.4	0.1	0.2	1.8	6.6
2190	1966	0.0	1.2	3.7	0.1	0.3	1.9	7.2
2555	1967	0.1	1.3	3.9	0.1	0.3	2.0	7.7
2920	1968	0.1	1.4	4.1	0.1	0.3	2.1	8.1
3285	1969	0.1	1.4	4.3	0.2	0.3	2.2	8.4
3650	1970	0.1	1.5	4.6	0.2	0.3	2.3	9.0
4015	1971	0.1	1.6	4.8	0.2	0.3	2.4	9.4
4380	1972	0.1	1.7	5.0	0.2	0.4	2.5	9.9
4745	1973	0.1	1.8	5.2	0.2	0.4	2.5	10.2
5110	1974	0.1	1.9	5.3	0.2	0.4	2.6	10.6
5475	1975	0.2	2.0	5.4	0.2	0.4	2.6	10.8
5840	1976	0.2	2.1	5.6	0.3	0.4	2.7	11.2
6205	1977	0.2	2.1	5.6	0.3	0.5	2.7	11.4
6570	1978	0.2	2.2	5.8	0.3	0.5	2.8	11.7
6935	1979	0.2	2.3	5.9	0.3	0.5	2.8	12.0
7300	1980	0.2	2.3	6.0	0.3	0.5	2.8	12.1
7665	1981	0.2	2.3	6.0	0.3	0.5	2.9	12.3
8030	1982	0.3	2.4	6.1	0.4	0.5	2.9	12.5
8395	1983	0.3	2.4	6.2	0.4	0.5	2.9	12.6
8760	1984	0.3	2.4	6.3	0.4	0.5	3.0	12.9
9125	1985	0.3	2.5	6.4	0.4	0.5	3.0	13.1
9490	1986	0.3	2.5	6.6	0.4	0.5	3.0	13.4
9855	1987	0.3	2.6	6.7	0.4	0.6	3.1	13.6
10220	1988	0.3	2.6	6.7	0.4	0.6	3.1	13.8
10585	1989	0.3	2.6	6.8	0.5	0.6	3.1	13.9
10950	1990	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11315	1991	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11680	1992	0.3	2.7	6.8	0.5	0.6	3.2	14.1
12045	1993	0.4	2.7	6.8	0.5	0.6	3.2	14.1
12410	1994	0.4	2.7	6.6	0.5	0.6	3.1	13.7
12775	1995	0.4	2.7	6.4	0.5	0.6	3.0	13.5
13140	1996	0.4	2.7	6.1	0.5	0.6	2.9	13.0
13505	1997	0.4	2.6	5.9	0.4	0.5	2.8	12.6
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	0.4	2.6	5.6	0.4	0.5	2.7	12.1
14235	1999	0.4	2.5	5.4	0.4	0.5	2.6	11.8
14600	2000	0.4	2.5	5.1	0.4	0.5	2.5	11.3
14965	2001	0.3	2.4	5.0	0.4	0.5	2.4	11.0
15330	2002	0.3	2.4	4.8	0.4	0.5	2.3	10.7
15695	2003	0.3	2.4	4.7	0.4	0.5	2.3	10.5
16060	2004	0.3	2.3	4.6	0.4	0.5	2.2	10.3
16425	2005	0.3	2.3	4.5	0.4	0.4	2.2	10.1
16790	2006	0.3	2.3	4.3	0.4	0.4	2.1	9.9
17155	2007	0.3	2.2	4.2	0.4	0.4	2.1	9.6
17520	2008	0.3	2.2	4.1	0.4	0.4	2.0	9.4
17885	2009	0.3	2.1	3.8	0.3	0.4	2.0	8.9
18250	2010	0.3	2.0	3.7	0.3	0.4	1.9	8.7
18615	2011	0.3	1.9	3.5	0.3	0.4	1.9	8.2
18980	2012	0.3	1.9	3.4	0.3	0.4	1.8	8.0
19345	2013	0.2	1.8	3.1	0.3	0.3	1.7	7.5
19710	2014	0.2	1.7	3.0	0.3	0.3	1.7	7.3
20075	2015	0.2	1.6	2.8	0.3	0.3	1.6	6.8
20440	2016	0.2	1.5	2.6	0.3	0.3	1.6	6.5
20805	2017	0.2	1.4	2.5	0.3	0.3	1.5	6.1
21170	2018	0.2	1.3	2.4	0.3	0.3	1.4	5.9
21535	2019	0.2	1.2	2.3	0.2	0.2	1.4	5.6
21900	2020	0.1	1.2	2.2	0.2	0.2	1.4	5.4
22265	2021	0.1	1.1	2.2	0.2	0.2	1.3	5.1
22630	2022	0.1	1.0	2.1	0.2	0.2	1.3	5.0
22995	2023	0.1	1.0	2.1	0.2	0.2	1.3	4.8
23360	2024	0.1	1.0	2.0	0.2	0.2	1.2	4.7
23725	2025	0.1	1.0	2.0	0.2	0.2	1.2	4.6
24090	2026	0.1	0.9	2.0	0.2	0.2	1.2	4.6
24455	2027	0.1	0.9	2.0	0.2	0.2	1.2	4.5
24820	2028	0.1	0.9	1.9	0.2	0.2	1.2	4.4
25185	2029	0.1	0.9	1.9	0.1	0.2	1.2	4.4
25550	2030	0.1	0.9	1.9	0.1	0.2	1.2	4.3
25915	2031	0.1	0.9	1.8	0.1	0.2	1.1	4.2
26280	2032	0.1	0.9	1.8	0.1	0.2	1.1	4.2
26645	2033	0.1	0.9	1.8	0.1	0.2	1.1	4.1
27010	2034	0.1	0.9	1.8	0.1	0.2	1.1	4.1
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

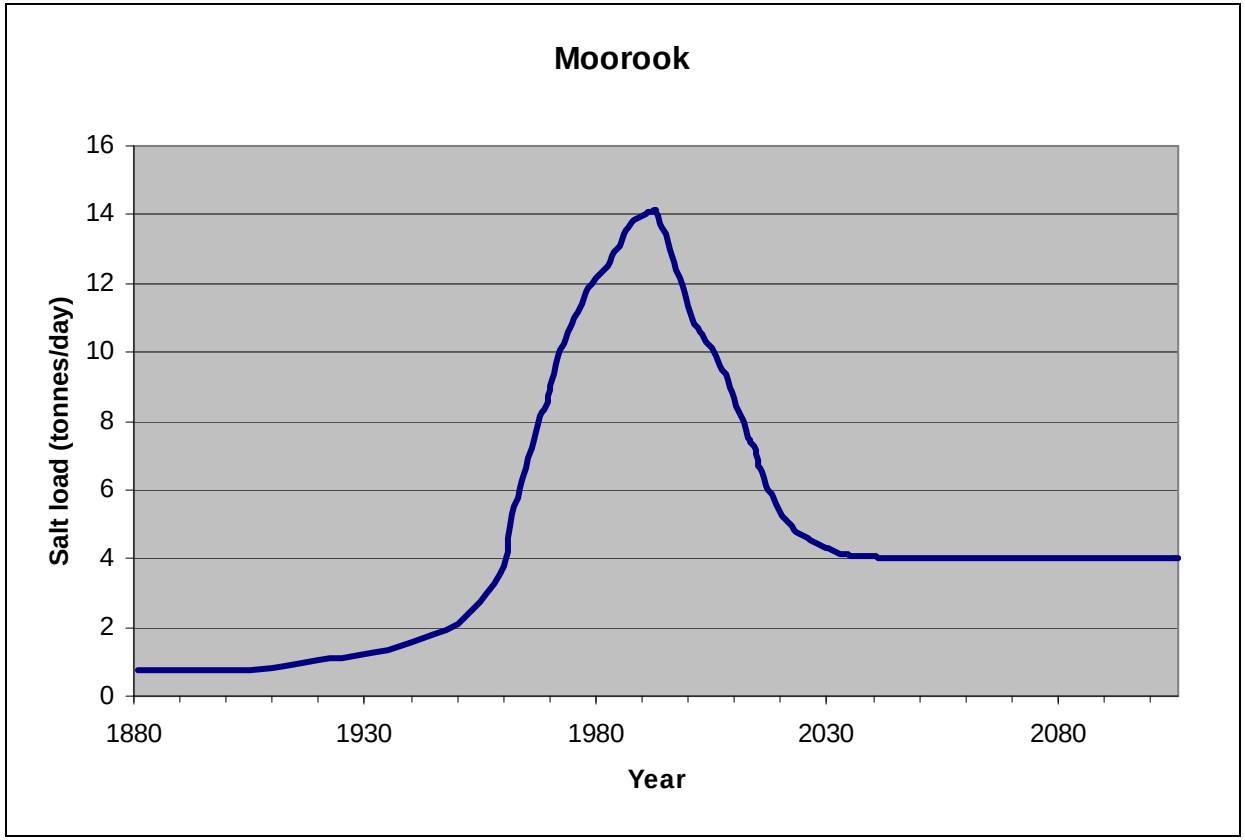
B-4(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.1	0.9	1.7	0.1	0.2	1.1	4.1
27740	2036	0.1	0.9	1.7	0.1	0.2	1.1	4.1
28105	2037	0.1	0.9	1.7	0.1	0.2	1.1	4.1
28470	2038	0.0	0.9	1.7	0.1	0.2	1.1	4.1
28835	2039	0.0	0.9	1.7	0.1	0.2	1.1	4.1
29200	2040	0.0	0.9	1.7	0.1	0.2	1.1	4.0
29565	2041	0.0	0.9	1.7	0.1	0.2	1.1	4.0
29930	2042	0.0	0.9	1.7	0.1	0.2	1.1	4.0
30295	2043	0.0	0.9	1.7	0.1	0.2	1.1	4.0
30660	2044	0.0	0.9	1.7	0.1	0.2	1.1	4.0
31025	2045	0.0	0.9	1.7	0.1	0.2	1.1	4.0
31390	2046	0.0	0.9	1.7	0.1	0.2	1.1	4.0
31755	2047	0.0	0.9	1.7	0.1	0.2	1.1	4.0
32120	2048	0.0	0.9	1.7	0.1	0.2	1.1	4.0
32485	2049	0.0	0.9	1.7	0.1	0.2	1.1	4.0
32850	2050	0.0	0.9	1.7	0.1	0.2	1.1	4.0
33215	2051	0.0	0.9	1.7	0.1	0.2	1.1	4.0
33580	2052	0.0	0.9	1.7	0.1	0.2	1.1	4.0
33945	2053	0.0	0.9	1.7	0.1	0.2	1.1	4.0
34310	2054	0.0	0.9	1.7	0.1	0.2	1.1	4.0
34675	2055	0.0	0.9	1.7	0.1	0.2	1.1	4.0
35040	2056	0.0	0.9	1.7	0.1	0.2	1.1	4.0
35405	2057	0.0	0.9	1.7	0.1	0.2	1.1	4.0
35770	2058	0.0	0.9	1.7	0.1	0.2	1.1	4.0
36135	2059	0.0	0.9	1.7	0.1	0.2	1.1	4.0
36500	2060	0.0	0.9	1.7	0.1	0.2	1.1	4.0
36865	2061	0.0	0.9	1.7	0.1	0.2	1.1	4.0
37230	2062	0.0	0.9	1.7	0.1	0.2	1.1	4.0
37595	2063	0.0	0.9	1.7	0.1	0.2	1.1	4.0
37960	2064	0.0	0.9	1.7	0.1	0.2	1.1	4.0
38325	2065	0.0	0.9	1.7	0.1	0.2	1.1	4.0
38690	2066	0.0	0.9	1.7	0.1	0.2	1.1	4.0
39055	2067	0.0	0.9	1.7	0.1	0.2	1.1	4.0
39420	2068	0.0	0.9	1.7	0.1	0.2	1.1	4.0
39785	2069	0.0	0.9	1.7	0.1	0.2	1.1	4.0
40150	2070	0.0	0.9	1.7	0.1	0.2	1.1	4.0
40515	2071	0.0	0.9	1.7	0.1	0.2	1.1	4.0
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
41245	2073	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
41610	2074	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
41975	2075	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
42340	2076	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
42705	2077	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
43070	2078	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
43435	2079	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
43800	2080	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
44165	2081	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
44530	2082	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
44895	2083	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
45260	2084	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
45625	2085	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
45990	2086	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
46355	2087	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
46720	2088	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
47085	2089	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
47450	2090	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
47815	2091	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
48180	2092	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
48545	2093	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
48910	2094	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
49275	2095	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
49640	2096	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
50005	2097	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
50370	2098	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
50735	2099	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
51100	2100	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
51465	2101	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
51830	2102	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
52195	2103	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
52560	2104	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
52925	2105	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
53290	2106	0.0	0.9	1.7	0.1	0.2	1.1	**4.0**
Salinity (mg/L)		***3,000***	***3,000***	***3,000***	***15,000***	***15,000***	***15,000***	

B-4(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3B)



B-4(S3B). Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	1961	5	236	802	3	8	87	1142	13
730	1962	6	282	912	4	11	98	1313	15
1095	1963	8	318	983	5	12	105	1431	17
1460	1964	10	353	1066	6	14	112	1562	18
1825	1965	12	381	1121	7	15	118	1654	19
2190	1966	14	411	1226	8	17	128	1804	21
2555	1967	17	434	1297	9	18	135	1910	22
2920	1968	20	460	1380	9	19	141	2030	23
3285	1969	23	480	1430	10	20	146	2108	24
3650	1970	27	513	1534	11	22	153	2260	26
4015	1971	31	539	1590	12	23	158	2352	27
4380	1972	36	578	1679	13	25	164	2494	29
4745	1973	41	607	1723	14	26	168	2580	30
5110	1974	47	638	1771	15	27	172	2670	31
5475	1975	52	662	1797	16	28	174	2729	32
5840	1976	58	689	1852	17	29	178	2823	33
6205	1977	63	710	1882	18	30	181	2883	33
6570	1978	68	736	1939	19	31	185	2977	34
6935	1979	73	755	1970	19	32	187	3036	35
7300	1980	77	769	1990	21	33	189	3078	36
7665	1981	81	779	2004	22	33	190	3109	36
8030	1982	85	787	2035	24	34	192	3157	37
8395	1983	88	793	2056	26	34	194	3191	37
8760	1984	92	809	2108	27	35	197	3268	38
9125	1985	95	823	2136	27	36	199	3316	38
9490	1986	99	844	2193	28	36	203	3403	39
9855	1987	102	860	2224	29	37	206	3458	40
10220	1988	106	871	2243	30	38	207	3495	40
10585	1989	109	880	2257	30	38	208	3522	41
10950	1990	111	886	2266	31	38	209	3542	41
11315	1991	114	892	2273	31	39	210	3557	41
11680	1992	115	896	2277	32	39	210	3568	41
12045	1993	117	900	2282	32	39	211	3581	41
12410	1994	118	901	2184	32	38	204	3478	40
12775	1995	119	896	2127	31	38	200	3411	39
13140	1996	120	885	2030	30	37	191	3294	38
13505	1997	120	872	1965	30	36	186	3209	37
13870	1998	119	858	1867	29	35	178	3085	36

B-4(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
14235	1999	118	843	1801	28	34	172	**2996**	***35***
14600	2000	117	827	1703	27	33	163	**2871**	***33***
14965	2001	116	811	1638	26	32	157	**2781**	***32***
15330	2002	114	797	1576	25	31	152	**2696**	***31***
15695	2003	113	785	1535	25	30	149	**2636**	***31***
16060	2004	111	775	1489	25	30	145	**2574**	***30***
16425	2005	110	766	1460	24	29	143	**2533**	***29***
16790	2006	108	759	1412	24	29	139	**2472**	***29***
17155	2007	106	733	1351	23	28	136	**2378**	***28***
17520	2008	103	715	1319	23	28	133	**2321**	***27***
17885	2009	99	684	1240	22	26	128	**2200**	***25***
18250	2010	96	663	1203	22	26	125	**2133**	***25***
18615	2011	91	630	1122	21	24	120	**2008**	***23***
18980	2012	87	607	1085	21	24	117	**1940**	***22***
19345	2013	82	574	1006	20	22	112	**1816**	***21***
19710	2014	77	551	969	19	22	108	**1746**	***20***
20075	2015	71	518	885	19	20	103	**1615**	***19***
20440	2016	66	494	845	18	19	99	**1542**	***18***
20805	2017	60	460	760	17	18	93	**1408**	***16***
21170	2018	55	436	719	16	17	90	**1333**	***15***
21535	2019	49	401	685	15	16	86	**1251**	***14***
21900	2020	44	376	662	14	15	84	**1194**	***14***
22265	2021	38	341	637	13	13	81	**1124**	***13***
22630	2022	34	316	620	12	12	79	**1073**	***12***
22995	2023	30	298	600	11	12	77	**1028**	***12***
23360	2024	27	285	586	10	11	75	**995**	***12***
23725	2025	25	276	576	10	11	74	**970**	***11***
24090	2026	23	268	569	9	10	73	**952**	***11***
24455	2027	21	263	556	9	10	72	**930**	***11***
24820	2028	19	258	547	9	10	70	**913**	***11***
25185	2029	18	254	533	9	10	69	**892**	***10***
25550	2030	17	251	523	8	9	68	**876**	***10***
25915	2031	16	249	508	8	9	67	**857**	***10***
26280	2032	15	247	498	8	9	66	**843**	***10***
26645	2033	14	245	492	8	9	65	**833**	***10***
27010	2034	14	244	487	8	9	64	**826**	***10***

B-4(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
27375	**2035**	14	242	485	8	9	64	**821**	***10***
27740	**2036**	13	241	483	8	9	64	**818**	***9***
28105	**2037**	13	241	481	8	9	64	**815**	***9***
28470	**2038**	13	240	480	8	9	64	**813**	***9***
28835	**2039**	13	239	479	8	9	63	**811**	***9***
29200	**2040**	12	239	479	7	9	63	**810**	***9***
29565	**2041**	12	239	479	7	9	63	**809**	***9***
29930	**2042**	12	238	478	7	9	63	**808**	***9***
30295	**2043**	12	238	478	7	9	63	**807**	***9***
30660	**2044**	12	238	478	7	9	63	**807**	***9***
31025	**2045**	12	238	478	7	9	63	**806**	***9***
31390	**2046**	12	238	477	7	9	63	**806**	***9***
31755	**2047**	12	237	477	7	9	63	**806**	***9***
32120	**2048**	12	237	477	7	9	63	**805**	***9***
32485	**2049**	12	237	477	7	9	63	**805**	***9***
32850	**2050**	12	237	477	7	9	63	**805**	***9***
33215	**2051**	12	237	477	7	9	63	**805**	***9***
33580	**2052**	12	237	477	7	9	63	**805**	***9***
33945	**2053**	12	237	477	7	9	63	**805**	***9***
34310	**2054**	12	237	477	7	9	63	**805**	***9***
34675	**2055**	12	237	477	7	9	63	**804**	***9***
35040	**2056**	12	237	477	7	9	63	**804**	***9***
35405	**2057**	12	237	477	7	9	63	**804**	***9***
35770	**2058**	12	237	477	7	9	63	**804**	***9***
36135	**2059**	12	237	477	7	9	63	**804**	***9***
36500	**2060**	12	237	477	7	9	63	**804**	***9***
36865	**2061**	12	237	477	7	9	63	**804**	***9***
37230	**2062**	12	237	477	7	9	63	**804**	***9***
37595	**2063**	12	237	477	7	9	63	**804**	***9***
37960	**2064**	12	237	477	7	9	63	**804**	***9***
38325	**2065**	12	237	477	7	9	63	**804**	***9***
38690	**2066**	12	237	477	7	9	63	**804**	***9***
39055	**2067**	12	237	477	7	9	63	**804**	***9***
39420	**2068**	12	237	477	7	9	63	**804**	***9***
39785	**2069**	12	237	477	7	9	63	**804**	***9***
40150	**2070**	12	237	477	7	9	63	**804**	***9***

B-4(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
40515	2071	12	237	477	7	9	63	804	9
40880	2072	12	237	477	7	9	63	804	9
41245	2073	12	237	477	7	9	63	804	9
41610	2074	12	237	477	7	9	63	804	9
41975	2075	12	237	477	7	9	63	804	9
42340	2076	12	237	477	7	9	63	804	9
42705	2077	12	237	477	7	9	63	804	9
43070	2078	12	237	477	7	9	63	804	9
43435	2079	12	237	477	7	9	63	804	9
43800	2080	12	237	477	7	9	63	804	9
44165	2081	12	237	477	7	9	63	804	9
44530	2082	12	237	477	7	9	63	804	9
44895	2083	12	237	477	7	9	63	804	9
45260	2084	12	237	477	7	9	63	804	9
45625	2085	12	237	477	7	9	63	804	9
45990	2086	12	237	477	7	9	63	804	9
46355	2087	12	237	477	7	9	63	804	9
46720	2088	12	237	477	7	9	63	804	9
47085	2089	12	237	477	7	9	63	804	9
47450	2090	12	237	477	7	9	63	804	9
47815	2091	12	237	477	7	9	63	804	9
48180	2092	12	237	477	7	9	63	804	9
48545	2093	12	237	477	7	9	63	804	9
48910	2094	12	237	477	7	9	63	804	9
49275	2095	12	237	477	7	9	63	804	9
49640	2096	12	237	477	7	9	63	804	9
50005	2097	12	237	477	7	9	63	804	9
50370	2098	12	237	477	7	9	63	804	9
50735	2099	12	237	477	7	9	63	804	9
51100	2100	12	237	477	7	9	63	804	9
51465	2101	12	237	477	7	9	63	804	9
51830	2102	12	237	477	7	9	63	804	9
52195	2103	12	237	477	7	9	63	804	9
52560	2104	12	237	477	7	9	63	804	9
52925	2105	12	237	477	7	9	63	804	9
53290	2106	12	237	477	7	9	63	804	9

B-4(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	0.0	0.7	2.4	0.0	0.1	1.3	4.6
730	1962	0.0	0.8	2.7	0.1	0.2	1.5	5.3
1095	1963	0.0	1.0	2.9	0.1	0.2	1.6	5.8
1460	1964	0.0	1.1	3.2	0.1	0.2	1.7	6.3
1825	1965	0.0	1.1	3.4	0.1	0.2	1.8	6.6
2190	1966	0.0	1.2	3.7	0.1	0.3	1.9	7.2
2555	1967	0.1	1.3	3.9	0.1	0.3	2.0	7.7
2920	1968	0.1	1.4	4.1	0.1	0.3	2.1	8.1
3285	1969	0.1	1.4	4.3	0.2	0.3	2.2	8.4
3650	1970	0.1	1.5	4.6	0.2	0.3	2.3	9.0
4015	1971	0.1	1.6	4.8	0.2	0.3	2.4	9.4
4380	1972	0.1	1.7	5.0	0.2	0.4	2.5	9.9
4745	1973	0.1	1.8	5.2	0.2	0.4	2.5	10.2
5110	1974	0.1	1.9	5.3	0.2	0.4	2.6	10.6
5475	1975	0.2	2.0	5.4	0.2	0.4	2.6	10.8
5840	1976	0.2	2.1	5.6	0.3	0.4	2.7	11.2
6205	1977	0.2	2.1	5.6	0.3	0.5	2.7	11.4
6570	1978	0.2	2.2	5.8	0.3	0.5	2.8	11.7
6935	1979	0.2	2.3	5.9	0.3	0.5	2.8	12.0
7300	1980	0.2	2.3	6.0	0.3	0.5	2.8	12.1
7665	1981	0.2	2.3	6.0	0.3	0.5	2.9	12.3
8030	1982	0.3	2.4	6.1	0.4	0.5	2.9	12.5
8395	1983	0.3	2.4	6.2	0.4	0.5	2.9	12.6
8760	1984	0.3	2.4	6.3	0.4	0.5	3.0	12.9
9125	1985	0.3	2.5	6.4	0.4	0.5	3.0	13.1
9490	1986	0.3	2.5	6.6	0.4	0.5	3.0	13.4
9855	1987	0.3	2.6	6.7	0.4	0.6	3.1	13.6
10220	1988	0.3	2.6	6.7	0.4	0.6	3.1	13.8
10585	1989	0.3	2.6	6.8	0.5	0.6	3.1	13.9
10950	1990	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11315	1991	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11680	1992	0.3	2.7	6.8	0.5	0.6	3.2	14.1
12045	1993	0.4	2.7	6.8	0.5	0.6	3.2	14.1
12410	1994	0.4	2.7	6.6	0.5	0.6	3.1	13.7
12775	1995	0.4	2.7	6.4	0.5	0.6	3.0	13.5
13140	1996	0.4	2.7	6.1	0.5	0.6	2.9	13.0
13505	1997	0.4	2.6	5.9	0.4	0.5	2.8	12.6
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	0.4	2.6	5.6	0.4	0.5	2.7	12.1
14235	1999	0.4	2.5	5.4	0.4	0.5	2.6	11.8
14600	2000	0.4	2.5	5.1	0.4	0.5	2.4	11.3
14965	2001	0.3	2.4	4.9	0.4	0.5	2.4	10.9
15330	2002	0.3	2.4	4.7	0.4	0.5	2.3	10.6
15695	2003	0.3	2.4	4.6	0.4	0.5	2.2	10.4
16060	2004	0.3	2.3	4.5	0.4	0.4	2.2	10.1
16425	2005	0.3	2.3	4.4	0.4	0.4	2.1	10.0
16790	2006	0.3	2.3	4.2	0.4	0.4	2.1	9.7
17155	2007	0.3	2.2	4.1	0.4	0.4	2.0	9.4
17520	2008	0.3	2.1	4.0	0.3	0.4	2.0	9.2
17885	2009	0.3	2.1	3.7	0.3	0.4	1.9	8.7
18250	2010	0.3	2.0	3.6	0.3	0.4	1.9	8.5
18615	2011	0.3	1.9	3.4	0.3	0.4	1.8	8.0
18980	2012	0.3	1.8	3.3	0.3	0.4	1.7	7.8
19345	2013	0.2	1.7	3.0	0.3	0.3	1.7	7.3
19710	2014	0.2	1.7	2.9	0.3	0.3	1.6	7.0
20075	2015	0.2	1.6	2.7	0.3	0.3	1.5	6.5
20440	2016	0.2	1.5	2.5	0.3	0.3	1.5	6.3
20805	2017	0.2	1.4	2.3	0.3	0.3	1.4	5.8
21170	2018	0.2	1.3	2.2	0.2	0.3	1.3	5.5
21535	2019	0.1	1.2	2.1	0.2	0.2	1.3	5.2
21900	2020	0.1	1.1	2.0	0.2	0.2	1.3	4.9
22265	2021	0.1	1.0	1.9	0.2	0.2	1.2	4.7
22630	2022	0.1	0.9	1.9	0.2	0.2	1.2	4.5
22995	2023	0.1	0.9	1.8	0.2	0.2	1.1	4.3
23360	2024	0.1	0.9	1.8	0.2	0.2	1.1	4.1
23725	2025	0.1	0.8	1.7	0.1	0.2	1.1	4.0
24090	2026	0.1	0.8	1.7	0.1	0.2	1.1	4.0
24455	2027	0.1	0.8	1.7	0.1	0.1	1.1	3.9
24820	2028	0.1	0.8	1.6	0.1	0.1	1.1	3.8
25185	2029	0.1	0.8	1.6	0.1	0.1	1.0	3.7
25550	2030	0.0	0.8	1.6	0.1	0.1	1.0	3.7
25915	2031	0.0	0.7	1.5	0.1	0.1	1.0	3.6
26280	2032	0.0	0.7	1.5	0.1	0.1	1.0	3.5
26645	2033	0.0	0.7	1.5	0.1	0.1	1.0	3.5
27010	2034	0.0	0.7	1.5	0.1	0.1	1.0	3.5
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

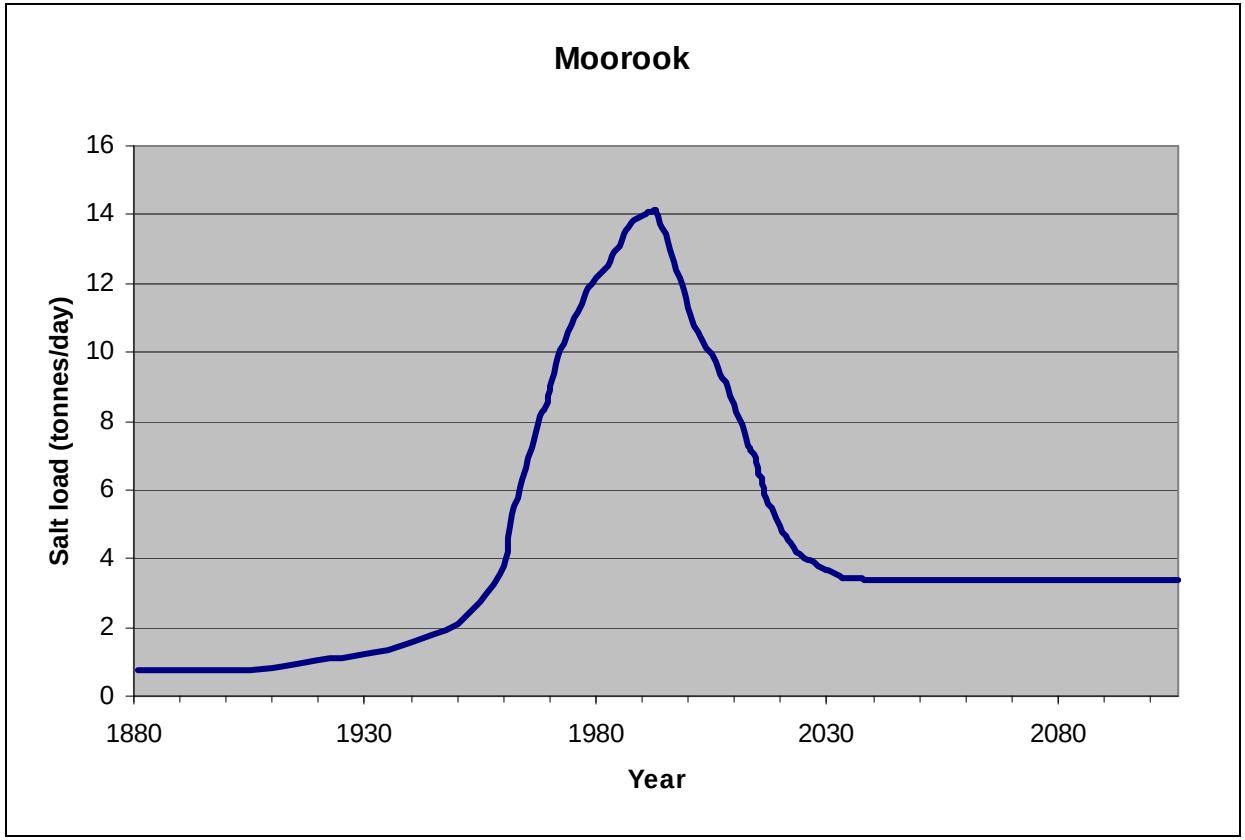
B-4(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.0	0.7	1.5	0.1	0.1	1.0	3.4
27740	2036	0.0	0.7	1.4	0.1	0.1	1.0	3.4
28105	2037	0.0	0.7	1.4	0.1	0.1	1.0	3.4
28470	2038	0.0	0.7	1.4	0.1	0.1	1.0	3.4
28835	2039	0.0	0.7	1.4	0.1	0.1	1.0	3.4
29200	2040	0.0	0.7	1.4	0.1	0.1	1.0	3.4
29565	2041	0.0	0.7	1.4	0.1	0.1	1.0	3.4
29930	2042	0.0	0.7	1.4	0.1	0.1	0.9	3.4
30295	2043	0.0	0.7	1.4	0.1	0.1	0.9	3.4
30660	2044	0.0	0.7	1.4	0.1	0.1	0.9	3.4
31025	2045	0.0	0.7	1.4	0.1	0.1	0.9	3.4
31390	2046	0.0	0.7	1.4	0.1	0.1	0.9	3.4
31755	2047	0.0	0.7	1.4	0.1	0.1	0.9	3.4
32120	2048	0.0	0.7	1.4	0.1	0.1	0.9	3.4
32485	2049	0.0	0.7	1.4	0.1	0.1	0.9	3.4
32850	2050	0.0	0.7	1.4	0.1	0.1	0.9	3.4
33215	2051	0.0	0.7	1.4	0.1	0.1	0.9	3.4
33580	2052	0.0	0.7	1.4	0.1	0.1	0.9	3.4
33945	2053	0.0	0.7	1.4	0.1	0.1	0.9	3.4
34310	2054	0.0	0.7	1.4	0.1	0.1	0.9	3.4
34675	2055	0.0	0.7	1.4	0.1	0.1	0.9	3.4
35040	2056	0.0	0.7	1.4	0.1	0.1	0.9	3.4
35405	2057	0.0	0.7	1.4	0.1	0.1	0.9	3.4
35770	2058	0.0	0.7	1.4	0.1	0.1	0.9	3.4
36135	2059	0.0	0.7	1.4	0.1	0.1	0.9	3.4
36500	2060	0.0	0.7	1.4	0.1	0.1	0.9	3.4
36865	2061	0.0	0.7	1.4	0.1	0.1	0.9	3.4
37230	2062	0.0	0.7	1.4	0.1	0.1	0.9	3.4
37595	2063	0.0	0.7	1.4	0.1	0.1	0.9	3.4
37960	2064	0.0	0.7	1.4	0.1	0.1	0.9	3.4
38325	2065	0.0	0.7	1.4	0.1	0.1	0.9	3.4
38690	2066	0.0	0.7	1.4	0.1	0.1	0.9	3.4
39055	2067	0.0	0.7	1.4	0.1	0.1	0.9	3.4
39420	2068	0.0	0.7	1.4	0.1	0.1	0.9	3.4
39785	2069	0.0	0.7	1.4	0.1	0.1	0.9	3.4
40150	2070	0.0	0.7	1.4	0.1	0.1	0.9	3.4
40515	2071	0.0	0.7	1.4	0.1	0.1	0.9	3.4
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.0	0.7	1.4	0.1	0.1	0.9	3.4
41245	2073	0.0	0.7	1.4	0.1	0.1	0.9	3.4
41610	2074	0.0	0.7	1.4	0.1	0.1	0.9	3.4
41975	2075	0.0	0.7	1.4	0.1	0.1	0.9	3.4
42340	2076	0.0	0.7	1.4	0.1	0.1	0.9	3.4
42705	2077	0.0	0.7	1.4	0.1	0.1	0.9	3.4
43070	2078	0.0	0.7	1.4	0.1	0.1	0.9	3.4
43435	2079	0.0	0.7	1.4	0.1	0.1	0.9	3.4
43800	2080	0.0	0.7	1.4	0.1	0.1	0.9	3.4
44165	2081	0.0	0.7	1.4	0.1	0.1	0.9	3.4
44530	2082	0.0	0.7	1.4	0.1	0.1	0.9	3.4
44895	2083	0.0	0.7	1.4	0.1	0.1	0.9	3.4
45260	2084	0.0	0.7	1.4	0.1	0.1	0.9	3.4
45625	2085	0.0	0.7	1.4	0.1	0.1	0.9	3.4
45990	2086	0.0	0.7	1.4	0.1	0.1	0.9	3.4
46355	2087	0.0	0.7	1.4	0.1	0.1	0.9	3.4
46720	2088	0.0	0.7	1.4	0.1	0.1	0.9	3.4
47085	2089	0.0	0.7	1.4	0.1	0.1	0.9	3.4
47450	2090	0.0	0.7	1.4	0.1	0.1	0.9	3.4
47815	2091	0.0	0.7	1.4	0.1	0.1	0.9	3.4
48180	2092	0.0	0.7	1.4	0.1	0.1	0.9	3.4
48545	2093	0.0	0.7	1.4	0.1	0.1	0.9	3.4
48910	2094	0.0	0.7	1.4	0.1	0.1	0.9	3.4
49275	2095	0.0	0.7	1.4	0.1	0.1	0.9	3.4
49640	2096	0.0	0.7	1.4	0.1	0.1	0.9	3.4
50005	2097	0.0	0.7	1.4	0.1	0.1	0.9	3.4
50370	2098	0.0	0.7	1.4	0.1	0.1	0.9	3.4
50735	2099	0.0	0.7	1.4	0.1	0.1	0.9	3.4
51100	2100	0.0	0.7	1.4	0.1	0.1	0.9	3.4
51465	2101	0.0	0.7	1.4	0.1	0.1	0.9	3.4
51830	2102	0.0	0.7	1.4	0.1	0.1	0.9	3.4
52195	2103	0.0	0.7	1.4	0.1	0.1	0.9	3.4
52560	2104	0.0	0.7	1.4	0.1	0.1	0.9	3.4
52925	2105	0.0	0.7	1.4	0.1	0.1	0.9	3.4
53290	2106	0.0	0.7	1.4	0.1	0.1	0.9	3.4
Salinity (mg/L)		*3,000*	*3,000*	*3,000*	*15,000*	*15,000*	*15,000*	

B-4(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3C)



B-4(S3C). Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	1961	5	236	802	3	8	87	1142	13
730	1962	6	282	912	4	11	98	1313	15
1095	1963	8	318	983	5	12	105	1431	17
1460	1964	10	353	1066	6	14	112	1562	18
1825	1965	12	381	1121	7	15	118	1654	19
2190	1966	14	411	1226	8	17	128	1804	21
2555	1967	17	434	1297	9	18	135	1910	22
2920	1968	20	460	1380	9	19	141	2030	23
3285	1969	23	480	1430	10	20	146	2108	24
3650	1970	27	513	1534	11	22	153	2260	26
4015	1971	31	539	1590	12	23	158	2352	27
4380	1972	36	578	1679	13	25	164	2494	29
4745	1973	41	607	1723	14	26	168	2580	30
5110	1974	47	638	1771	15	27	172	2670	31
5475	1975	52	662	1797	16	28	174	2729	32
5840	1976	58	689	1852	17	29	178	2823	33
6205	1977	63	710	1882	18	30	181	2883	33
6570	1978	68	736	1939	19	31	185	2977	34
6935	1979	73	755	1970	19	32	187	3036	35
7300	1980	77	769	1990	21	33	189	3078	36
7665	1981	81	779	2004	22	33	190	3109	36
8030	1982	85	787	2035	24	34	192	3157	37
8395	1983	88	793	2056	26	34	194	3191	37
8760	1984	92	809	2108	27	35	197	3268	38
9125	1985	95	823	2136	27	36	199	3316	38
9490	1986	99	844	2193	28	36	203	3403	39
9855	1987	102	860	2224	29	37	206	3458	40
10220	1988	106	871	2243	30	38	207	3495	40
10585	1989	109	880	2257	30	38	208	3522	41
10950	1990	111	886	2266	31	38	209	3542	41
11315	1991	114	892	2273	31	39	210	3557	41
11680	1992	115	896	2277	32	39	210	3568	41
12045	1993	117	900	2282	32	39	211	3581	41
12410	1994	118	901	2184	32	38	204	3478	40
12775	1995	119	896	2127	31	38	200	3411	39
13140	1996	120	885	2030	30	37	191	3294	38
13505	1997	120	872	1965	30	36	186	3209	37
13870	1998	119	858	1867	29	35	178	3085	36

B-4(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
14235	**1999**	118	843	1801	28	34	172	**2996**	***35***
14600	**2000**	117	827	1703	27	33	163	**2871**	***33***
14965	**2001**	116	811	1638	26	32	157	**2781**	***32***
15330	**2002**	114	797	1576	25	31	152	**2696**	***31***
15695	**2003**	113	785	1535	25	30	149	**2636**	***31***
16060	**2004**	111	775	1489	25	30	145	**2574**	***30***
16425	**2005**	110	766	1460	24	29	143	**2533**	***29***
16790	**2006**	108	759	1412	24	29	139	**2472**	***29***
17155	**2007**	106	733	1351	23	28	136	**2378**	***28***
17520	**2008**	103	715	1319	23	28	133	**2321**	***27***
17885	**2009**	99	684	1240	22	26	128	**2200**	***25***
18250	**2010**	96	663	1203	22	26	125	**2133**	***25***
18615	**2011**	91	630	1122	21	24	120	**2008**	***23***
18980	**2012**	87	607	1085	21	24	117	**1940**	***22***
19345	**2013**	82	574	1006	20	22	112	**1816**	***21***
19710	**2014**	77	551	969	19	22	108	**1746**	***20***
20075	**2015**	71	518	885	19	20	103	**1616**	***19***
20440	**2016**	67	494	845	19	20	99	**1544**	***18***
20805	**2017**	63	474	768	18	19	94	**1435**	***17***
21170	**2018**	61	454	733	18	18	91	**1374**	***16***
21535	**2019**	57	421	703	17	17	88	**1302**	***15***
21900	**2020**	54	397	683	16	16	85	**1250**	***14***
22265	**2021**	49	364	664	15	14	83	**1190**	***14***
22630	**2022**	45	339	652	14	13	82	**1145**	***13***
22995	**2023**	41	322	634	13	13	80	**1104**	***13***
23360	**2024**	38	310	622	13	12	78	**1074**	***12***
23725	**2025**	35	302	613	12	12	77	**1051**	***12***
24090	**2026**	33	295	607	12	11	77	**1035**	***12***
24455	**2027**	32	289	595	13	11	75	**1015**	***12***
24820	**2028**	31	285	586	13	11	74	**1001**	***12***
25185	**2029**	30	282	572	13	11	73	**981**	***11***
25550	**2030**	29	279	563	13	11	72	**967**	***11***
25915	**2031**	31	278	564	15	11	76	**975**	***11***
26280	**2032**	35	278	569	16	12	79	**989**	***11***
26645	**2033**	40	279	578	17	12	82	**1007**	***12***
27010	**2034**	45	280	587	17	12	84	**1024**	***12***

B-4(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
27375	2035	49	281	596	18	12	85	**1041**	***12***
27740	2036	52	282	604	18	12	86	**1054**	***12***
28105	2037	54	283	609	19	12	87	**1064**	***12***
28470	2038	56	284	613	19	12	87	**1071**	***12***
28835	2039	58	287	617	19	12	88	**1083**	***13***
29200	2040	61	289	620	20	13	89	**1092**	***13***
29565	2041	64	291	623	20	13	90	**1101**	***13***
29930	2042	67	292	625	20	13	90	**1108**	***13***
30295	2043	69	293	627	20	13	90	**1113**	***13***
30660	2044	71	294	628	21	13	91	**1118**	***13***
31025	2045	73	295	629	21	13	91	**1122**	***13***
31390	2046	74	296	630	21	13	91	**1125**	***13***
31755	2047	75	297	631	21	13	91	**1128**	***13***
32120	2048	75	297	632	21	13	92	**1130**	***13***
32485	2049	76	297	632	21	13	92	**1132**	***13***
32850	2050	76	298	633	21	13	92	**1133**	***13***
33215	2051	77	298	633	21	13	92	**1135**	***13***
33580	2052	77	298	634	21	13	92	**1136**	***13***
33945	2053	77	298	634	21	13	92	**1137**	***13***
34310	2054	77	299	634	21	13	92	**1138**	***13***
34675	2055	78	299	635	22	13	93	**1139**	***13***
35040	2056	78	299	635	22	13	93	**1139**	***13***
35405	2057	78	299	635	22	13	93	**1140**	***13***
35770	2058	78	299	636	22	13	93	**1141**	***13***
36135	2059	78	299	636	22	13	93	**1141**	***13***
36500	2060	78	299	636	22	13	93	**1142**	***13***
36865	2061	78	299	637	22	13	93	**1142**	***13***
37230	2062	78	299	637	22	13	93	**1143**	***13***
37595	2063	78	299	637	22	13	93	**1143**	***13***
37960	2064	78	300	637	22	13	93	**1144**	***13***
38325	2065	78	300	637	22	13	94	**1144**	***13***
38690	2066	78	300	638	22	13	94	**1144**	***13***
39055	2067	78	300	638	22	13	94	**1145**	***13***
39420	2068	78	300	638	22	13	94	**1145**	***13***
39785	2069	79	300	638	22	13	94	**1145**	***13***
40150	2070	79	300	638	22	13	94	**1146**	***13***

B-4(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
40515	2071	79	300	639	22	13	94	**1146**	***13***
40880	2072	79	300	639	22	13	94	**1146**	***13***
41245	2073	79	300	639	22	13	94	**1147**	***13***
41610	2074	79	300	639	22	13	94	**1147**	***13***
41975	2075	79	300	639	22	13	94	**1147**	***13***
42340	2076	79	300	639	22	13	94	**1148**	***13***
42705	2077	79	300	640	22	13	94	**1148**	***13***
43070	2078	79	300	640	22	13	94	**1148**	***13***
43435	2079	79	300	640	22	13	95	**1148**	***13***
43800	2080	79	300	640	22	13	95	**1149**	***13***
44165	2081	79	300	640	22	13	95	**1149**	***13***
44530	2082	79	300	640	22	13	95	**1149**	***13***
44895	2083	79	300	640	22	13	95	**1149**	***13***
45260	2084	79	300	641	22	13	95	**1150**	***13***
45625	2085	79	300	641	22	13	95	**1150**	***13***
45990	2086	79	300	641	22	13	95	**1150**	***13***
46355	2087	79	300	641	22	13	95	**1150**	***13***
46720	2088	79	300	641	22	13	95	**1150**	***13***
47085	2089	79	300	641	22	13	95	**1151**	***13***
47450	2090	79	300	641	22	13	95	**1151**	***13***
47815	2091	79	300	641	22	13	95	**1151**	***13***
48180	2092	79	300	641	22	13	95	**1151**	***13***
48545	2093	79	300	642	22	13	95	**1151**	***13***
48910	2094	79	300	642	22	13	95	**1152**	***13***
49275	2095	79	300	642	22	13	95	**1152**	***13***
49640	2096	79	300	642	22	13	95	**1152**	***13***
50005	2097	79	300	642	22	13	95	**1152**	***13***
50370	2098	79	300	642	22	14	95	**1152**	***13***
50735	2099	79	300	642	22	14	96	**1153**	***13***
51100	2100	79	300	642	22	14	96	**1153**	***13***
51465	2101	79	300	642	22	14	96	**1153**	***13***
51830	2102	79	300	642	22	14	96	**1153**	***13***
52195	2103	79	300	643	22	14	96	**1153**	***13***
52560	2104	79	300	643	22	14	96	**1153**	***13***
52925	2105	79	300	643	22	14	96	**1154**	***13***
53290	2106	79	300	643	22	14	96	**1154**	***13***

B-4(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	0.0	0.7	2.4	0.0	0.1	1.3	4.6
730	1962	0.0	0.8	2.7	0.1	0.2	1.5	5.3
1095	1963	0.0	1.0	2.9	0.1	0.2	1.6	5.8
1460	1964	0.0	1.1	3.2	0.1	0.2	1.7	6.3
1825	1965	0.0	1.1	3.4	0.1	0.2	1.8	6.6
2190	1966	0.0	1.2	3.7	0.1	0.3	1.9	7.2
2555	1967	0.1	1.3	3.9	0.1	0.3	2.0	7.7
2920	1968	0.1	1.4	4.1	0.1	0.3	2.1	8.1
3285	1969	0.1	1.4	4.3	0.2	0.3	2.2	8.4
3650	1970	0.1	1.5	4.6	0.2	0.3	2.3	9.0
4015	1971	0.1	1.6	4.8	0.2	0.3	2.4	9.4
4380	1972	0.1	1.7	5.0	0.2	0.4	2.5	9.9
4745	1973	0.1	1.8	5.2	0.2	0.4	2.5	10.2
5110	1974	0.1	1.9	5.3	0.2	0.4	2.6	10.6
5475	1975	0.2	2.0	5.4	0.2	0.4	2.6	10.8
5840	1976	0.2	2.1	5.6	0.3	0.4	2.7	11.2
6205	1977	0.2	2.1	5.6	0.3	0.5	2.7	11.4
6570	1978	0.2	2.2	5.8	0.3	0.5	2.8	11.7
6935	1979	0.2	2.3	5.9	0.3	0.5	2.8	12.0
7300	1980	0.2	2.3	6.0	0.3	0.5	2.8	12.1
7665	1981	0.2	2.3	6.0	0.3	0.5	2.9	12.3
8030	1982	0.3	2.4	6.1	0.4	0.5	2.9	12.5
8395	1983	0.3	2.4	6.2	0.4	0.5	2.9	12.6
8760	1984	0.3	2.4	6.3	0.4	0.5	3.0	12.9
9125	1985	0.3	2.5	6.4	0.4	0.5	3.0	13.1
9490	1986	0.3	2.5	6.6	0.4	0.5	3.0	13.4
9855	1987	0.3	2.6	6.7	0.4	0.6	3.1	13.6
10220	1988	0.3	2.6	6.7	0.4	0.6	3.1	13.8
10585	1989	0.3	2.6	6.8	0.5	0.6	3.1	13.9
10950	1990	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11315	1991	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11680	1992	0.3	2.7	6.8	0.5	0.6	3.2	14.1
12045	1993	0.4	2.7	6.8	0.5	0.6	3.2	14.1
12410	1994	0.4	2.7	6.6	0.5	0.6	3.1	13.7
12775	1995	0.4	2.7	6.4	0.5	0.6	3.0	13.5
13140	1996	0.4	2.7	6.1	0.5	0.6	2.9	13.0
13505	1997	0.4	2.6	5.9	0.4	0.5	2.8	12.6
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S4). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	0.4	2.6	5.6	0.4	0.5	2.7	12.1
14235	1999	0.4	2.5	5.4	0.4	0.5	2.6	11.8
14600	2000	0.4	2.5	5.1	0.4	0.5	2.4	11.3
14965	2001	0.3	2.4	4.9	0.4	0.5	2.4	10.9
15330	2002	0.3	2.4	4.7	0.4	0.5	2.3	10.6
15695	2003	0.3	2.4	4.6	0.4	0.5	2.2	10.4
16060	2004	0.3	2.3	4.5	0.4	0.4	2.2	10.1
16425	2005	0.3	2.3	4.4	0.4	0.4	2.1	10.0
16790	2006	0.3	2.3	4.2	0.4	0.4	2.1	9.7
17155	2007	0.3	2.2	4.1	0.4	0.4	2.0	9.4
17520	2008	0.3	2.1	4.0	0.3	0.4	2.0	9.2
17885	2009	0.3	2.1	3.7	0.3	0.4	1.9	8.7
18250	2010	0.3	2.0	3.6	0.3	0.4	1.9	8.5
18615	2011	0.3	1.9	3.4	0.3	0.4	1.8	8.0
18980	2012	0.3	1.8	3.3	0.3	0.4	1.7	7.8
19345	2013	0.2	1.7	3.0	0.3	0.3	1.7	7.3
19710	2014	0.2	1.7	2.9	0.3	0.3	1.6	7.0
20075	2015	0.2	1.6	2.7	0.3	0.3	1.5	6.6
20440	2016	0.2	1.5	2.5	0.3	0.3	1.5	6.3
20805	2017	0.2	1.4	2.3	0.3	0.3	1.4	5.9
21170	2018	0.2	1.4	2.2	0.3	0.3	1.4	5.6
21535	2019	0.2	1.3	2.1	0.2	0.2	1.3	5.4
21900	2020	0.2	1.2	2.0	0.2	0.2	1.3	5.2
22265	2021	0.1	1.1	2.0	0.2	0.2	1.3	4.9
22630	2022	0.1	1.0	2.0	0.2	0.2	1.2	4.7
22995	2023	0.1	1.0	1.9	0.2	0.2	1.2	4.6
23360	2024	0.1	0.9	1.9	0.2	0.2	1.2	4.5
23725	2025	0.1	0.9	1.8	0.2	0.2	1.2	4.4
24090	2026	0.1	0.9	1.8	0.2	0.2	1.1	4.3
24455	2027	0.1	0.9	1.8	0.2	0.2	1.1	4.2
24820	2028	0.1	0.9	1.8	0.2	0.2	1.1	4.2
25185	2029	0.1	0.8	1.7	0.2	0.2	1.1	4.1
25550	2030	0.1	0.8	1.7	0.2	0.2	1.1	4.1
25915	2031	0.1	0.8	1.7	0.2	0.2	1.1	4.1
26280	2032	0.1	0.8	1.7	0.2	0.2	1.2	4.2
26645	2033	0.1	0.8	1.7	0.3	0.2	1.2	4.3
27010	2034	0.1	0.8	1.8	0.3	0.2	1.3	4.4
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

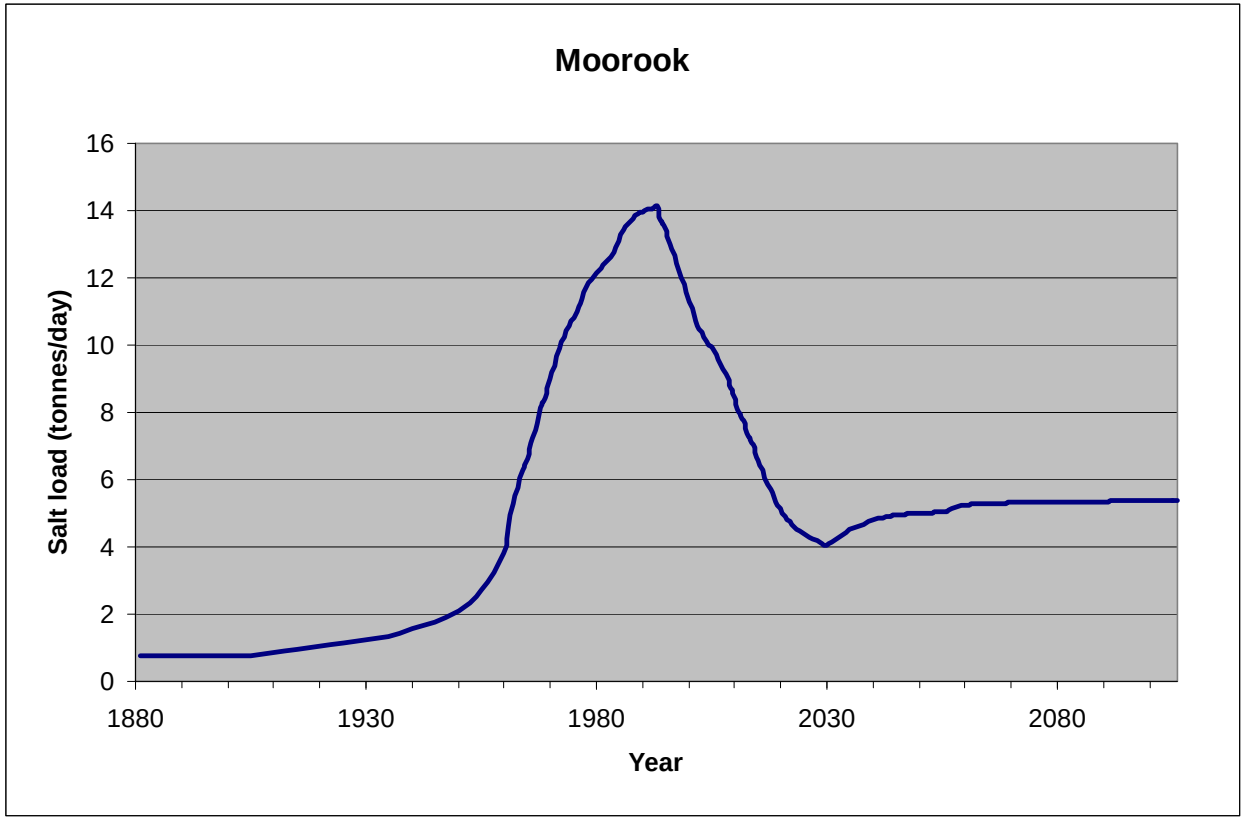
B-4(S4). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.1	0.8	1.8	0.3	0.2	1.3	4.5
27740	2036	0.2	0.8	1.8	0.3	0.2	1.3	4.6
28105	2037	0.2	0.8	1.8	0.3	0.2	1.3	4.6
28470	2038	0.2	0.9	1.8	0.3	0.2	1.3	4.6
28835	2039	0.2	0.9	1.9	0.3	0.2	1.3	4.7
29200	2040	0.2	0.9	1.9	0.3	0.2	1.3	4.7
29565	2041	0.2	0.9	1.9	0.3	0.2	1.3	4.8
29930	2042	0.2	0.9	1.9	0.3	0.2	1.4	4.8
30295	2043	0.2	0.9	1.9	0.3	0.2	1.4	4.8
30660	2044	0.2	0.9	1.9	0.3	0.2	1.4	4.8
31025	2045	0.2	0.9	1.9	0.3	0.2	1.4	4.9
31390	2046	0.2	0.9	1.9	0.3	0.2	1.4	4.9
31755	2047	0.2	0.9	1.9	0.3	0.2	1.4	4.9
32120	2048	0.2	0.9	1.9	0.3	0.2	1.4	4.9
32485	2049	0.2	0.9	1.9	0.3	0.2	1.4	4.9
32850	2050	0.2	0.9	1.9	0.3	0.2	1.4	4.9
33215	2051	0.2	0.9	1.9	0.3	0.2	1.4	4.9
33580	2052	0.2	0.9	1.9	0.3	0.2	1.4	4.9
33945	2053	0.2	0.9	1.9	0.3	0.2	1.4	4.9
34310	2054	0.2	0.9	1.9	0.3	0.2	1.4	4.9
34675	2055	0.2	0.9	1.9	0.3	0.2	1.4	4.9
35040	2056	0.2	0.9	1.9	0.3	0.2	1.4	4.9
35405	2057	0.2	0.9	1.9	0.3	0.2	1.4	5.0
35770	2058	0.2	0.9	1.9	0.3	0.2	1.4	5.0
36135	2059	0.2	0.9	1.9	0.3	0.2	1.4	5.0
36500	2060	0.2	0.9	1.9	0.3	0.2	1.4	5.0
36865	2061	0.2	0.9	1.9	0.3	0.2	1.4	5.0
37230	2062	0.2	0.9	1.9	0.3	0.2	1.4	5.0
37595	2063	0.2	0.9	1.9	0.3	0.2	1.4	5.0
37960	2064	0.2	0.9	1.9	0.3	0.2	1.4	5.0
38325	2065	0.2	0.9	1.9	0.3	0.2	1.4	5.0
38690	2066	0.2	0.9	1.9	0.3	0.2	1.4	5.0
39055	2067	0.2	0.9	1.9	0.3	0.2	1.4	5.0
39420	2068	0.2	0.9	1.9	0.3	0.2	1.4	5.0
39785	2069	0.2	0.9	1.9	0.3	0.2	1.4	5.0
40150	2070	0.2	0.9	1.9	0.3	0.2	1.4	5.0
40515	2071	0.2	0.9	1.9	0.3	0.2	1.4	5.0
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S4). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
41245	2073	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
41610	2074	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
41975	2075	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
42340	2076	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
42705	2077	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
43070	2078	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
43435	2079	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
43800	2080	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
44165	2081	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
44530	2082	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
44895	2083	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
45260	2084	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
45625	2085	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
45990	2086	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
46355	2087	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
46720	2088	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
47085	2089	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
47450	2090	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
47815	2091	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
48180	2092	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
48545	2093	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
48910	2094	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
49275	2095	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
49640	2096	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
50005	2097	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
50370	2098	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
50735	2099	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
51100	2100	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
51465	2101	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
51830	2102	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
52195	2103	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
52560	2104	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
52925	2105	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
53290	2106	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
Salinity (mg/L)		***3,000***	***3,000***	***3,000***	***15,000***	***15,000***	***15,000***	

B-4(S4). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 4)



B-4(S4). Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
365	1961	5	236	802	3	8	87	1142	13
730	1962	6	282	912	4	11	98	1313	15
1095	1963	8	318	983	5	12	105	1431	17
1460	1964	10	353	1066	6	14	112	1562	18
1825	1965	12	381	1121	7	15	118	1654	19
2190	1966	14	411	1226	8	17	128	1804	21
2555	1967	17	434	1297	9	18	135	1910	22
2920	1968	20	460	1380	9	19	141	2030	23
3285	1969	23	480	1430	10	20	146	2108	24
3650	1970	27	513	1534	11	22	153	2260	26
4015	1971	31	539	1590	12	23	158	2352	27
4380	1972	36	578	1679	13	25	164	2494	29
4745	1973	41	607	1723	14	26	168	2580	30
5110	1974	47	638	1771	15	27	172	2670	31
5475	1975	52	662	1797	16	28	174	2729	32
5840	1976	58	689	1852	17	29	178	2823	33
6205	1977	63	710	1882	18	30	181	2883	33
6570	1978	68	736	1939	19	31	185	2977	34
6935	1979	73	755	1970	19	32	187	3036	35
7300	1980	77	769	1990	21	33	189	3078	36
7665	1981	81	779	2004	22	33	190	3109	36
8030	1982	85	787	2035	24	34	192	3157	37
8395	1983	88	793	2056	26	34	194	3191	37
8760	1984	92	809	2108	27	35	197	3268	38
9125	1985	95	823	2136	27	36	199	3316	38
9490	1986	99	844	2193	28	36	203	3403	39
9855	1987	102	860	2224	29	37	206	3458	40
10220	1988	106	871	2243	30	38	207	3495	40
10585	1989	109	880	2257	30	38	208	3522	41
10950	1990	111	886	2266	31	38	209	3542	41
11315	1991	114	892	2273	31	39	210	3557	41
11680	1992	115	896	2277	32	39	210	3568	41
12045	1993	117	900	2282	32	39	211	3581	41
12410	1994	118	901	2184	32	38	204	3478	40
12775	1995	119	896	2127	31	38	200	3411	39
13140	1996	120	885	2030	30	37	191	3294	38
13505	1997	120	872	1965	30	36	186	3209	37
13870	1998	119	858	1867	29	35	178	3085	36

B-4(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
14235	**1999**	118	843	1801	28	34	172	**2996**	***35***
14600	**2000**	117	827	1703	27	33	163	**2871**	***33***
14965	**2001**	116	811	1638	26	32	157	**2781**	***32***
15330	**2002**	114	797	1576	25	31	152	**2696**	***31***
15695	**2003**	113	785	1535	25	30	149	**2636**	***31***
16060	**2004**	111	775	1489	25	30	145	**2574**	***30***
16425	**2005**	110	766	1460	24	29	143	**2533**	***29***
16790	**2006**	108	759	1412	24	29	139	**2472**	***29***
17155	**2007**	106	733	1351	23	28	136	**2378**	***28***
17520	**2008**	103	715	1319	23	28	133	**2321**	***27***
17885	**2009**	99	684	1240	22	26	128	**2200**	***25***
18250	**2010**	96	663	1203	22	26	125	**2133**	***25***
18615	**2011**	91	630	1122	21	24	120	**2008**	***23***
18980	**2012**	87	607	1085	21	24	117	**1940**	***22***
19345	**2013**	82	574	1006	20	22	112	**1816**	***21***
19710	**2014**	77	551	969	19	22	108	**1746**	***20***
20075	**2015**	71	518	885	19	20	103	**1616**	***19***
20440	**2016**	67	494	845	19	20	99	**1544**	***18***
20805	**2017**	63	474	768	18	19	94	**1435**	***17***
21170	**2018**	61	454	733	18	18	91	**1374**	***16***
21535	**2019**	57	421	703	17	17	88	**1302**	***15***
21900	**2020**	54	397	683	16	16	85	**1250**	***14***
22265	**2021**	49	364	664	15	14	83	**1190**	***14***
22630	**2022**	45	339	652	14	13	82	**1145**	***13***
22995	**2023**	41	322	634	13	13	80	**1104**	***13***
23360	**2024**	38	310	622	13	12	78	**1074**	***12***
23725	**2025**	35	302	613	12	12	77	**1051**	***12***
24090	**2026**	33	295	607	12	11	77	**1035**	***12***
24455	**2027**	32	289	595	13	11	75	**1015**	***12***
24820	**2028**	31	285	586	13	11	74	**1001**	***12***
25185	**2029**	30	282	572	13	11	73	**981**	***11***
25550	**2030**	29	279	563	13	11	72	**967**	***11***
25915	**2031**	31	278	564	15	11	76	**975**	***11***
26280	**2032**	35	278	569	16	12	79	**989**	***11***
26645	**2033**	40	279	578	17	12	82	**1007**	***12***
27010	**2034**	45	280	587	17	12	84	**1024**	***12***

B-4(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
27375	2035	49	281	596	18	12	85	**1041**	***12***
27740	2036	52	282	604	18	12	86	**1054**	***12***
28105	2037	54	283	619	19	12	87	**1075**	***12***
28470	2038	56	284	626	19	12	88	**1086**	***13***
28835	2039	58	287	632	19	12	90	**1099**	***13***
29200	2040	61	289	636	20	13	91	**1110**	***13***
29565	2041	64	291	640	20	13	91	**1119**	***13***
29930	2042	67	292	642	20	13	92	**1126**	***13***
30295	2043	69	293	644	21	13	92	**1133**	***13***
30660	2044	71	294	646	21	13	92	**1137**	***13***
31025	2045	73	295	647	21	13	93	**1142**	***13***
31390	2046	74	296	648	21	13	93	**1145**	***13***
31755	2047	75	297	649	21	13	93	**1148**	***13***
32120	2048	75	297	650	21	13	93	**1150**	***13***
32485	2049	76	298	650	21	13	93	**1152**	***13***
32850	2050	76	298	651	21	13	94	**1153**	***13***
33215	2051	77	298	652	21	13	94	**1155**	***13***
33580	2052	77	298	652	22	13	94	**1156**	***13***
33945	2053	77	299	652	22	13	94	**1157**	***13***
34310	2054	78	299	653	22	13	94	**1158**	***13***
34675	2055	78	299	653	22	13	94	**1159**	***13***
35040	2056	78	299	654	22	13	94	**1160**	***13***
35405	2057	80	300	654	27	15	95	**1172**	***14***
35770	2058	82	302	655	28	15	96	**1178**	***14***
36135	2059	84	303	655	29	15	96	**1182**	***14***
36500	2060	86	304	656	29	15	97	**1186**	***14***
36865	2061	87	304	656	29	15	97	**1188**	***14***
37230	2062	88	305	657	29	15	97	**1191**	***14***
37595	2063	88	305	657	29	15	97	**1193**	***14***
37960	2064	89	306	658	29	15	97	**1194**	***14***
38325	2065	89	306	658	29	15	97	**1195**	***14***
38690	2066	90	306	658	29	15	97	**1197**	***14***
39055	2067	90	307	659	29	15	98	**1198**	***14***
39420	2068	90	307	659	30	15	98	**1198**	***14***
39785	2069	91	307	659	30	15	98	**1199**	***14***
40150	2070	91	307	659	30	15	98	**1200**	***14***

B-4(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18		
40515	2071	91	307	660	30	15	98	**1200**	***14***
40880	2072	91	307	660	30	15	98	**1201**	***14***
41245	2073	91	307	660	30	15	98	**1201**	***14***
41610	2074	91	308	660	30	15	98	**1202**	***14***
41975	2075	91	308	660	30	15	98	**1202**	***14***
42340	2076	91	308	660	30	15	98	**1203**	***14***
42705	2077	91	308	661	30	15	98	**1203**	***14***
43070	2078	91	308	661	30	15	98	**1203**	***14***
43435	2079	91	308	661	30	15	98	**1204**	***14***
43800	2080	91	308	661	30	15	99	**1204**	***14***
44165	2081	91	308	661	30	15	99	**1204**	***14***
44530	2082	91	308	661	30	15	99	**1205**	***14***
44895	2083	91	308	662	30	15	99	**1205**	***14***
45260	2084	92	308	662	30	15	99	**1205**	***14***
45625	2085	92	308	662	30	15	99	**1206**	***14***
45990	2086	92	308	662	30	15	99	**1206**	***14***
46355	2087	92	308	662	30	15	99	**1206**	***14***
46720	2088	92	308	662	30	15	99	**1206**	***14***
47085	2089	92	308	662	30	15	99	**1207**	***14***
47450	2090	92	308	663	30	15	99	**1207**	***14***
47815	2091	92	308	663	30	15	99	**1207**	***14***
48180	2092	92	308	663	30	15	99	**1207**	***14***
48545	2093	92	308	663	30	15	99	**1207**	***14***
48910	2094	92	308	663	30	15	99	**1208**	***14***
49275	2095	92	308	663	30	15	99	**1208**	***14***
49640	2096	92	308	663	30	15	99	**1208**	***14***
50005	2097	92	308	663	30	15	99	**1208**	***14***
50370	2098	92	308	663	30	15	99	**1209**	***14***
50735	2099	92	308	664	30	15	100	**1209**	***14***
51100	2100	92	308	664	30	15	100	**1209**	***14***
51465	2101	92	308	664	30	15	100	**1209**	***14***
51830	2102	92	308	664	30	16	100	**1209**	***14***
52195	2103	92	308	664	30	16	100	**1209**	***14***
52560	2104	92	308	664	30	16	100	**1210**	***14***
52925	2105	92	308	664	30	16	100	**1210**	***14***
53290	2106	92	308	664	30	16	100	**1210**	***14***

B-4(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	0.0	0.7	2.4	0.0	0.1	1.3	4.6
730	1962	0.0	0.8	2.7	0.1	0.2	1.5	5.3
1095	1963	0.0	1.0	2.9	0.1	0.2	1.6	5.8
1460	1964	0.0	1.1	3.2	0.1	0.2	1.7	6.3
1825	1965	0.0	1.1	3.4	0.1	0.2	1.8	6.6
2190	1966	0.0	1.2	3.7	0.1	0.3	1.9	7.2
2555	1967	0.1	1.3	3.9	0.1	0.3	2.0	7.7
2920	1968	0.1	1.4	4.1	0.1	0.3	2.1	8.1
3285	1969	0.1	1.4	4.3	0.2	0.3	2.2	8.4
3650	1970	0.1	1.5	4.6	0.2	0.3	2.3	9.0
4015	1971	0.1	1.6	4.8	0.2	0.3	2.4	9.4
4380	1972	0.1	1.7	5.0	0.2	0.4	2.5	9.9
4745	1973	0.1	1.8	5.2	0.2	0.4	2.5	10.2
5110	1974	0.1	1.9	5.3	0.2	0.4	2.6	10.6
5475	1975	0.2	2.0	5.4	0.2	0.4	2.6	10.8
5840	1976	0.2	2.1	5.6	0.3	0.4	2.7	11.2
6205	1977	0.2	2.1	5.6	0.3	0.5	2.7	11.4
6570	1978	0.2	2.2	5.8	0.3	0.5	2.8	11.7
6935	1979	0.2	2.3	5.9	0.3	0.5	2.8	12.0
7300	1980	0.2	2.3	6.0	0.3	0.5	2.8	12.1
7665	1981	0.2	2.3	6.0	0.3	0.5	2.9	12.3
8030	1982	0.3	2.4	6.1	0.4	0.5	2.9	12.5
8395	1983	0.3	2.4	6.2	0.4	0.5	2.9	12.6
8760	1984	0.3	2.4	6.3	0.4	0.5	3.0	12.9
9125	1985	0.3	2.5	6.4	0.4	0.5	3.0	13.1
9490	1986	0.3	2.5	6.6	0.4	0.5	3.0	13.4
9855	1987	0.3	2.6	6.7	0.4	0.6	3.1	13.6
10220	1988	0.3	2.6	6.7	0.4	0.6	3.1	13.8
10585	1989	0.3	2.6	6.8	0.5	0.6	3.1	13.9
10950	1990	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11315	1991	0.3	2.7	6.8	0.5	0.6	3.1	14.0
11680	1992	0.3	2.7	6.8	0.5	0.6	3.2	14.1
12045	1993	0.4	2.7	6.8	0.5	0.6	3.2	14.1
12410	1994	0.4	2.7	6.6	0.5	0.6	3.1	13.7
12775	1995	0.4	2.7	6.4	0.5	0.6	3.0	13.5
13140	1996	0.4	2.7	6.1	0.5	0.6	2.9	13.0
13505	1997	0.4	2.6	5.9	0.4	0.5	2.8	12.6
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S5). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	0.4	2.6	5.6	0.4	0.5	2.7	12.1
14235	1999	0.4	2.5	5.4	0.4	0.5	2.6	11.8
14600	2000	0.4	2.5	5.1	0.4	0.5	2.4	11.3
14965	2001	0.3	2.4	4.9	0.4	0.5	2.4	10.9
15330	2002	0.3	2.4	4.7	0.4	0.5	2.3	10.6
15695	2003	0.3	2.4	4.6	0.4	0.5	2.2	10.4
16060	2004	0.3	2.3	4.5	0.4	0.4	2.2	10.1
16425	2005	0.3	2.3	4.4	0.4	0.4	2.1	10.0
16790	2006	0.3	2.3	4.2	0.4	0.4	2.1	9.7
17155	2007	0.3	2.2	4.1	0.4	0.4	2.0	9.4
17520	2008	0.3	2.1	4.0	0.3	0.4	2.0	9.2
17885	2009	0.3	2.1	3.7	0.3	0.4	1.9	8.7
18250	2010	0.3	2.0	3.6	0.3	0.4	1.9	8.5
18615	2011	0.3	1.9	3.4	0.3	0.4	1.8	8.0
18980	2012	0.3	1.8	3.3	0.3	0.4	1.7	7.8
19345	2013	0.2	1.7	3.0	0.3	0.3	1.7	7.3
19710	2014	0.2	1.7	2.9	0.3	0.3	1.6	7.0
20075	2015	0.2	1.6	2.7	0.3	0.3	1.5	6.6
20440	2016	0.2	1.5	2.5	0.3	0.3	1.5	6.3
20805	2017	0.2	1.4	2.3	0.3	0.3	1.4	5.9
21170	2018	0.2	1.4	2.2	0.3	0.3	1.4	5.6
21535	2019	0.2	1.3	2.1	0.2	0.2	1.3	5.4
21900	2020	0.2	1.2	2.0	0.2	0.2	1.3	5.2
22265	2021	0.1	1.1	2.0	0.2	0.2	1.3	4.9
22630	2022	0.1	1.0	2.0	0.2	0.2	1.2	4.7
22995	2023	0.1	1.0	1.9	0.2	0.2	1.2	4.6
23360	2024	0.1	0.9	1.9	0.2	0.2	1.2	4.5
23725	2025	0.1	0.9	1.8	0.2	0.2	1.2	4.4
24090	2026	0.1	0.9	1.8	0.2	0.2	1.1	4.3
24455	2027	0.1	0.9	1.8	0.2	0.2	1.1	4.2
24820	2028	0.1	0.9	1.8	0.2	0.2	1.1	4.2
25185	2029	0.1	0.8	1.7	0.2	0.2	1.1	4.1
25550	2030	0.1	0.8	1.7	0.2	0.2	1.1	4.1
25915	2031	0.1	0.8	1.7	0.2	0.2	1.1	4.2
26280	2032	0.1	0.8	1.7	0.2	0.2	1.2	4.2
26645	2033	0.1	0.8	1.7	0.3	0.2	1.2	4.3
27010	2034	0.1	0.8	1.8	0.3	0.2	1.3	4.4
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

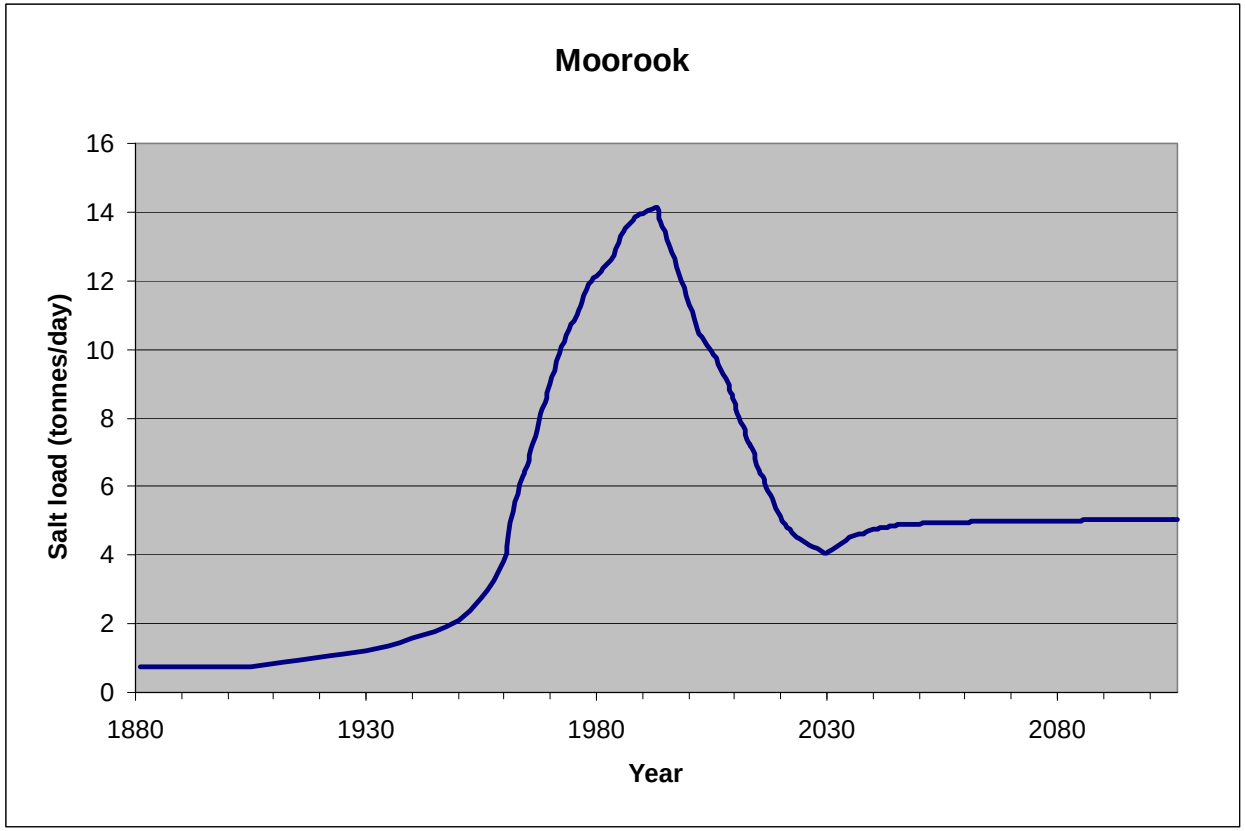
B-4(S5). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.1	0.8	1.8	0.3	0.2	1.3	**4.5**
27740	2036	0.2	0.8	1.8	0.3	0.2	1.3	**4.6**
28105	2037	0.2	0.8	1.9	0.3	0.2	1.3	**4.6**
28470	2038	0.2	0.9	1.9	0.3	0.2	1.3	**4.7**
28835	2039	0.2	0.9	1.9	0.3	0.2	1.3	**4.8**
29200	2040	0.2	0.9	1.9	0.3	0.2	1.4	**4.8**
29565	2041	0.2	0.9	1.9	0.3	0.2	1.4	**4.8**
29930	2042	0.2	0.9	1.9	0.3	0.2	1.4	**4.9**
30295	2043	0.2	0.9	1.9	0.3	0.2	1.4	**4.9**
30660	2044	0.2	0.9	1.9	0.3	0.2	1.4	**4.9**
31025	2045	0.2	0.9	1.9	0.3	0.2	1.4	**4.9**
31390	2046	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
31755	2047	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
32120	2048	0.2	0.9	1.9	0.3	0.2	1.4	**5.0**
32485	2049	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
32850	2050	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
33215	2051	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
33580	2052	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
33945	2053	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
34310	2054	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
34675	2055	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
35040	2056	0.2	0.9	2.0	0.3	0.2	1.4	**5.0**
35405	2057	0.2	0.9	2.0	0.4	0.2	1.4	**5.2**
35770	2058	0.2	0.9	2.0	0.4	0.2	1.4	**5.2**
36135	2059	0.3	0.9	2.0	0.4	0.2	1.4	**5.2**
36500	2060	0.3	0.9	2.0	0.4	0.2	1.4	**5.2**
36865	2061	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
37230	2062	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
37595	2063	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
37960	2064	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
38325	2065	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
38690	2066	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
39055	2067	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
39420	2068	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
39785	2069	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
40150	2070	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
40515	2071	0.3	0.9	2.0	0.4	0.2	1.5	**5.3**
Salinity (mg/L)		***3,000***	***3,000***	***3,000***	***15,000***	***15,000***	***15,000***	

B-4(S5). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Moorook Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.3	0.9	2.0	0.4	0.2	1.5	5.3
41245	2073	0.3	0.9	2.0	0.4	0.2	1.5	5.3
41610	2074	0.3	0.9	2.0	0.4	0.2	1.5	5.3
41975	2075	0.3	0.9	2.0	0.4	0.2	1.5	5.3
42340	2076	0.3	0.9	2.0	0.4	0.2	1.5	5.3
42705	2077	0.3	0.9	2.0	0.4	0.2	1.5	5.3
43070	2078	0.3	0.9	2.0	0.4	0.2	1.5	5.3
43435	2079	0.3	0.9	2.0	0.4	0.2	1.5	5.3
43800	2080	0.3	0.9	2.0	0.4	0.2	1.5	5.3
44165	2081	0.3	0.9	2.0	0.4	0.2	1.5	5.3
44530	2082	0.3	0.9	2.0	0.4	0.2	1.5	5.3
44895	2083	0.3	0.9	2.0	0.4	0.2	1.5	5.3
45260	2084	0.3	0.9	2.0	0.4	0.2	1.5	5.3
45625	2085	0.3	0.9	2.0	0.4	0.2	1.5	5.3
45990	2086	0.3	0.9	2.0	0.4	0.2	1.5	5.3
46355	2087	0.3	0.9	2.0	0.4	0.2	1.5	5.3
46720	2088	0.3	0.9	2.0	0.4	0.2	1.5	5.4
47085	2089	0.3	0.9	2.0	0.4	0.2	1.5	5.4
47450	2090	0.3	0.9	2.0	0.4	0.2	1.5	5.4
47815	2091	0.3	0.9	2.0	0.4	0.2	1.5	5.4
48180	2092	0.3	0.9	2.0	0.4	0.2	1.5	5.4
48545	2093	0.3	0.9	2.0	0.4	0.2	1.5	5.4
48910	2094	0.3	0.9	2.0	0.5	0.2	1.5	5.4
49275	2095	0.3	0.9	2.0	0.5	0.2	1.5	5.4
49640	2096	0.3	0.9	2.0	0.5	0.2	1.5	5.4
50005	2097	0.3	0.9	2.0	0.5	0.2	1.5	5.4
50370	2098	0.3	0.9	2.0	0.5	0.2	1.5	5.4
50735	2099	0.3	0.9	2.0	0.5	0.2	1.5	5.4
51100	2100	0.3	0.9	2.0	0.5	0.2	1.5	5.4
51465	2101	0.3	0.9	2.0	0.5	0.2	1.5	5.4
51830	2102	0.3	0.9	2.0	0.5	0.2	1.5	5.4
52195	2103	0.3	0.9	2.0	0.5	0.2	1.5	5.4
52560	2104	0.3	0.9	2.0	0.5	0.2	1.5	5.4
52925	2105	0.3	0.9	2.0	0.5	0.2	1.5	5.4
53290	2106	0.3	0.9	2.0	0.5	0.2	1.5	5.4
Salinity (mg/L)		3,000	3,000	3,000	15,000	15,000	15,000	

B-4(S5). Modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 5)



B-4(S5). Graph of modelled salt load (tonnes/day) entering the River Murray in the Moorook area (Scenario 5)

B-5. MODEL OUTPUT – KINGSTON AREA

- Model Scenario conditions
- Flow budget zones
- Transient groundwater flux and salt load
- Modelled groundwater flux (m^3/d and L/s)
- Modelled salt load (t/d)

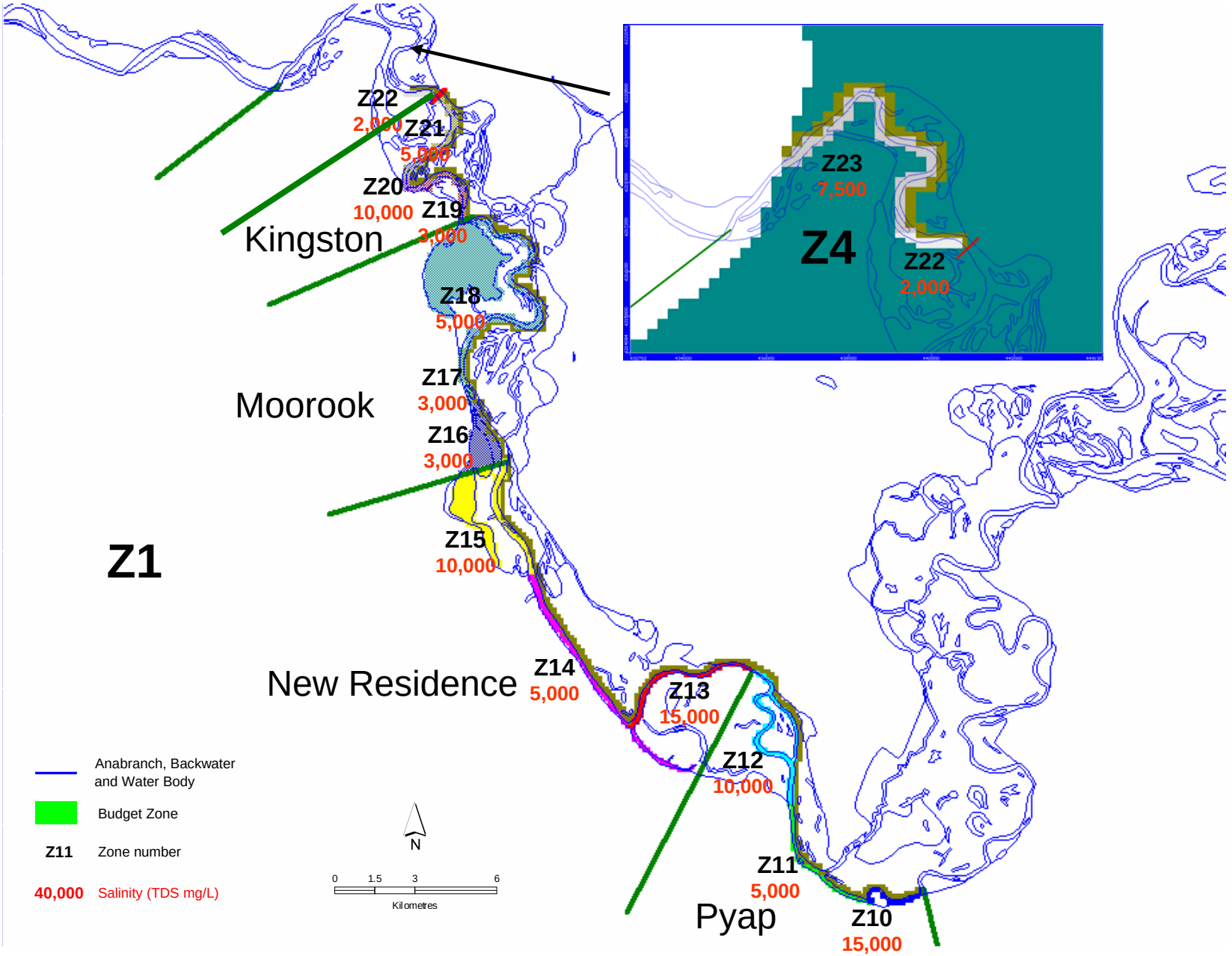
(Transient from 1888 to 1960)

(Scenario-2, 3A, 3B, 3C, 4 and 5)

Scenario	Name	Model Run	Irrigation development area	IIP[1]	RH[2]	SIS[3]
S–1	Natural system	Steady State	None	–	–	–
S–2	Mallee clearance	1920–2106	None (but includes Mallee clearance area)	–	–	–
S–3A	Pre-1988, no IIP, no RH	1988–2106	Pre-1988	No	No	–
S–3B	Pre-1988, with IIP, no RH	1988–2106	Pre-1988	Yes	No	–
S–3C	Pre-1988, with IIP and with RH	1988–2106	Pre-1988	Yes	Yes	–
S–4	Current irrigation	1880–2106	Pre-1988 + Post-1988	Yes	Yes	No
S–5	Current plus future irrigation	2006–2106	Pre-1988 + Post-1988 + Future development	Yes	Yes	No

Note: 1 Improved Irrigation Practices, 2 Rehabilitation, 3 Salt Interception Scheme (see Glossary for definitions)

B-5. Model Scenarios and Conditions



B5-1: Flow budget zones (model layer 1) and groundwater salinity values (TDS mg/L) in the Pyap to Kingston area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1881	6	16	0	2	3	0	**28**	***0***
7300	1900	6	16	0	2	3	0	**28**	***0***
9125	1905	6	16	0	2	3	0	**28**	***0***
10950	1910	25	34	0	6	7	0	**72**	***1***
12775	1915	47	52	0	10	11	0	**120**	***1***
14600	1920	69	70	0	15	15	0	**169**	***2***
16425	1925	92	88	0	19	18	0	**218**	***3***
18250	1930	114	107	0	24	22	0	**267**	***3***
20075	1935	137	125	0	28	26	0	**317**	***4***
21900	1940	179	162	1	37	34	0	**414**	***5***
23725	1945	204	182	1	42	38	1	**468**	***5***
25550	1950	228	202	1	47	42	1	**521**	***6***
27375	1955	273	242	2	56	49	2	**624**	***7***
29200	1960	321	284	3	66	57	4	**734**	***9***

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1881	0.0	0.2	0.0	0.0	0.1	0.0	**0.3**
7300	1900	0.0	0.2	0.0	0.0	0.1	0.0	**0.3**
9125	1905	0.0	0.2	0.0	0.0	0.1	0.0	**0.3**
10950	1910	0.1	0.3	0.0	0.1	0.1	0.0	**0.7**
12775	1915	0.2	0.5	0.0	0.2	0.2	0.0	**1.2**
14600	1920	0.3	0.7	0.0	0.3	0.3	0.0	**1.6**
16425	1925	0.5	0.9	0.0	0.4	0.4	0.0	**2.1**
18250	1930	0.6	1.1	0.0	0.5	0.4	0.0	**2.6**
20075	1935	0.7	1.3	0.0	0.6	0.5	0.0	**3.0**
21900	1940	0.9	1.6	0.0	0.7	0.7	0.0	**3.9**
23725	1945	1.0	1.8	0.0	0.8	0.8	0.0	**4.5**
25550	1950	1.1	2.0	0.0	0.9	0.8	0.0	**5.0**
27375	1955	1.4	2.4	0.0	1.1	1.0	0.0	**5.9**
29200	1960	1.6	2.8	0.0	1.3	1.1	0.1	**7.0**
Salinity (mg/L)		***5,000***	***10,000***	***5,000***	***20,000***	***20,000***	***20,000***	

B-5(Transient from 1880 to 1960). Modelled groundwater flux (m^3/day) and salt load (tonnes/day) entering the River Murray from flow budget zones in the Kingston area

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1881	6	16	0	2	3	0	28	0
3650	1890	6	16	0	2	3	0	28	0
7300	1900	7	16	0	2	3	0	28	0
9125	1905	8	17	0	2	4	0	30	0
10950	1910	8	17	0	2	4	0	31	0
12775	1915	9	18	0	3	4	0	33	0
14600	1920	9	18	0	3	4	0	34	0
16425	1925	10	19	0	3	4	0	36	0
18250	1930	10	19	0	3	4	0	36	0
20075	1935	10	20	0	3	4	0	37	0
21900	1940	11	20	0	3	4	0	38	0
23725	1945	11	20	0	3	4	0	39	0
25550	1950	11	20	0	3	4	0	39	0
27375	1955	11	21	0	3	4	0	40	0
29200	1960	11	21	0	3	4	0	40	0
29565	1961	12	21	0	3	5	0	41	0
29930	1962	12	22	0	3	5	0	41	0
30295	1963	12	22	0	3	5	0	41	0
30660	1964	12	22	0	3	5	0	41	0
31025	1965	12	22	0	3	5	0	41	0
31390	1966	12	22	0	3	5	0	41	0
31755	1967	12	22	0	3	5	0	41	0
32120	1968	12	22	0	3	5	0	42	0
32485	1969	12	22	0	3	5	0	42	0
32850	1970	12	22	0	3	5	0	42	0
33215	1971	12	22	0	3	5	0	42	0
33580	1972	12	22	0	3	5	0	42	0
33945	1973	12	22	0	3	5	0	43	0
34310	1974	12	22	0	3	5	0	43	0
34675	1975	12	22	0	3	5	0	43	0
35040	1976	12	22	0	3	5	0	43	0
35405	1977	12	22	0	3	5	0	43	0
35770	1978	12	22	0	3	5	0	43	0
36135	1979	12	22	0	3	5	0	43	0
36500	1980	13	22	0	3	5	0	43	0
36865	1981	13	23	0	3	5	0	44	1
37230	1982	13	23	0	3	5	0	44	1
37595	1983	13	23	0	3	5	0	44	1
37960	1984	13	23	0	3	5	0	44	1
38325	1985	13	23	0	3	5	0	44	1
38690	1986	13	23	0	4	5	0	44	1

B-5(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
39055	1987	13	23	0	4	5	0	44	1
39420	1988	13	23	0	4	5	0	44	1
39785	1989	13	23	0	4	5	0	45	1
40150	1990	13	23	0	4	5	0	45	1
40515	1991	13	23	0	4	5	0	45	1
40880	1992	13	24	0	4	5	0	45	1
41245	1993	13	24	0	4	5	0	46	1
41610	1994	13	24	0	4	5	0	46	1
41975	1995	14	24	0	4	5	0	46	1
42340	1996	14	24	0	4	5	0	46	1
42705	1997	14	24	0	4	5	0	46	1
43070	1998	14	24	0	4	5	0	46	1
43435	1999	14	24	0	4	5	0	46	1
43800	2000	14	24	0	4	5	0	46	1
44165	2001	14	24	0	4	5	0	47	1
44530	2002	14	24	0	4	5	0	47	1
44895	2003	14	25	0	4	5	0	48	1
45260	2004	14	25	0	4	5	0	48	1
45625	2005	14	25	0	4	5	0	48	1
45990	2006	14	25	0	4	5	0	48	1
46355	2007	14	25	0	4	5	0	48	1
46720	2008	14	25	0	4	5	0	48	1
47085	2009	14	25	0	4	5	0	48	1
47450	2010	14	25	0	4	5	0	48	1
47815	2011	14	25	0	4	5	0	49	1
48180	2012	15	25	0	4	5	0	49	1
48545	2013	15	26	0	4	5	0	50	1
48910	2014	15	26	0	4	5	0	50	1
49275	2015	15	26	0	4	5	0	50	1
49640	2016	15	26	0	4	5	0	50	1
50005	2017	15	26	0	4	5	0	50	1
50370	2018	15	26	0	4	5	0	50	1
50735	2019	15	26	0	4	5	0	50	1
51100	2020	15	26	0	4	5	0	50	1
51465	2021	15	26	0	4	6	0	51	1
51830	2022	15	26	0	4	6	0	51	1
52195	2023	15	27	0	4	6	0	52	1
52560	2024	15	27	0	4	6	0	52	1
52925	2025	15	27	0	4	6	0	52	1
53290	2026	16	27	0	4	6	0	52	1

B-5(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
53655	2027	16	27	0	4	6	0	52	1
54020	2028	16	27	0	4	6	0	52	1
54385	2029	16	27	0	4	6	0	52	1
54750	2030	16	27	0	4	6	0	52	1
55115	2031	16	27	0	4	6	0	53	1
55480	2032	16	27	0	4	6	0	53	1
55845	2033	16	28	0	4	6	0	54	1
56210	2034	16	28	0	4	6	0	54	1
56575	2035	16	28	0	4	6	0	54	1
56940	2036	16	28	0	4	6	0	54	1
57305	2037	16	28	0	4	6	0	54	1
57670	2038	16	28	0	4	6	0	54	1
58035	2039	16	28	0	4	6	0	54	1
58400	2040	16	28	0	4	6	0	54	1
58765	2041	16	28	0	4	6	0	55	1
59130	2042	16	28	0	4	6	0	55	1
59495	2043	16	28	0	4	6	0	55	1
59860	2044	16	29	0	4	6	0	55	1
60225	2045	16	29	0	4	6	0	56	1
60590	2046	17	29	0	4	6	0	56	1
60955	2047	17	29	0	5	6	0	56	1
61320	2048	17	29	0	5	6	0	56	1
61685	2049	17	29	0	5	6	0	56	1
62050	2050	17	29	0	5	6	0	56	1
62415	2051	17	29	0	5	6	0	56	1
62780	2052	17	29	0	5	6	0	57	1
63145	2053	17	29	0	5	6	0	57	1
63510	2054	17	29	0	5	6	0	57	1
63875	2055	17	29	0	5	6	0	57	1
64240	2056	17	30	0	5	6	0	57	1
64605	2057	17	30	0	5	6	0	57	1
64970	2058	17	30	0	5	6	0	58	1
65335	2059	17	30	0	5	6	0	58	1
65700	2060	17	30	0	5	6	0	58	1
66065	2061	17	30	0	5	6	0	58	1
66430	2062	17	30	0	5	6	0	58	1
66795	2063	17	30	0	5	6	0	58	1
67160	2064	17	30	0	5	6	0	59	1
67525	2065	17	30	0	5	6	0	59	1
67890	2066	17	30	0	5	6	0	59	1

B-5(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
68255	2067	17	30	0	5	6	0	59	1
68620	2068	17	30	0	5	6	0	59	1
68985	2069	17	30	0	5	6	0	59	1
69350	2070	17	30	0	5	6	0	59	1
69715	2071	17	31	0	5	6	0	59	1
70080	2072	18	31	0	5	6	0	60	1
70445	2073	18	31	0	5	6	0	60	1
70810	2074	18	31	0	5	6	0	60	1
71175	2075	18	31	0	5	7	0	60	1
71540	2076	18	31	0	5	7	0	60	1
71905	2077	18	31	0	5	7	0	60	1
72270	2078	18	31	0	5	7	0	60	1
72635	2079	18	31	0	5	7	0	60	1
73000	2080	18	31	0	5	7	0	60	1
73365	2081	18	31	0	5	7	0	60	1
73730	2082	18	31	0	5	7	0	61	1
74095	2083	18	31	0	5	7	0	61	1
74460	2084	18	31	0	5	7	0	61	1
74825	2085	18	31	0	5	7	0	61	1
75190	2086	18	31	0	5	7	0	61	1
75555	2087	18	31	0	5	7	0	61	1
75920	2088	18	31	0	5	7	0	61	1
76285	2089	18	31	0	5	7	0	61	1
76650	2090	18	31	0	5	7	0	61	1
77015	2091	18	31	0	5	7	0	61	1
77380	2092	18	32	0	5	7	0	61	1
77745	2093	18	32	0	5	7	0	61	1
78110	2094	18	32	0	5	7	0	61	1
78475	2095	18	32	0	5	7	0	61	1
78840	2096	18	32	0	5	7	0	61	1
79205	2097	18	32	0	5	7	0	61	1
79570	2098	18	32	0	5	7	0	61	1
79935	2099	18	32	0	5	7	0	61	1
80300	2100	18	32	0	5	7	0	61	1
80665	2101	18	32	0	5	7	0	62	1
81030	2102	18	32	0	5	7	0	62	1
81395	2103	18	32	0	5	7	0	62	1
81760	2104	18	32	0	5	7	0	62	1
82125	2105	18	32	0	5	7	0	62	1
82490	2106	18	32	0	5	7	0	62	1

B-5(S2). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21	
365	1881	0.0	0.2	0.0	0.0	0.1	0.0	0.3
3650	1890	0.0	0.2	0.0	0.0	0.1	0.0	0.3
7300	1900	0.0	0.2	0.0	0.0	0.1	0.0	0.3
9125	1905	0.0	0.2	0.0	0.0	0.1	0.0	0.3
10950	1910	0.0	0.2	0.0	0.0	0.1	0.0	0.3
12775	1915	0.0	0.2	0.0	0.1	0.1	0.0	0.4
14600	1920	0.0	0.2	0.0	0.1	0.1	0.0	0.4
16425	1925	0.0	0.2	0.0	0.1	0.1	0.0	0.4
18250	1930	0.0	0.2	0.0	0.1	0.1	0.0	0.4
20075	1935	0.1	0.2	0.0	0.1	0.1	0.0	0.4
21900	1940	0.1	0.2	0.0	0.1	0.1	0.0	0.4
23725	1945	0.1	0.2	0.0	0.1	0.1	0.0	0.4
25550	1950	0.1	0.2	0.0	0.1	0.1	0.0	0.4
27375	1955	0.1	0.2	0.0	0.1	0.1	0.0	0.4
29200	1960	0.1	0.2	0.0	0.1	0.1	0.0	0.4
29565	1961	0.1	0.2	0.0	0.1	0.1	0.0	0.4
29930	1962	0.1	0.2	0.0	0.1	0.1	0.0	0.4
30295	1963	0.1	0.2	0.0	0.1	0.1	0.0	0.4
30660	1964	0.1	0.2	0.0	0.1	0.1	0.0	0.4
31025	1965	0.1	0.2	0.0	0.1	0.1	0.0	0.4
31390	1966	0.1	0.2	0.0	0.1	0.1	0.0	0.4
31755	1967	0.1	0.2	0.0	0.1	0.1	0.0	0.4
32120	1968	0.1	0.2	0.0	0.1	0.1	0.0	0.4
32485	1969	0.1	0.2	0.0	0.1	0.1	0.0	0.4
32850	1970	0.1	0.2	0.0	0.1	0.1	0.0	0.4
33215	1971	0.1	0.2	0.0	0.1	0.1	0.0	0.4
33580	1972	0.1	0.2	0.0	0.1	0.1	0.0	0.4
33945	1973	0.1	0.2	0.0	0.1	0.1	0.0	0.4
34310	1974	0.1	0.2	0.0	0.1	0.1	0.0	0.4
34675	1975	0.1	0.2	0.0	0.1	0.1	0.0	0.4
35040	1976	0.1	0.2	0.0	0.1	0.1	0.0	0.4
35405	1977	0.1	0.2	0.0	0.1	0.1	0.0	0.4
35770	1978	0.1	0.2	0.0	0.1	0.1	0.0	0.4
36135	1979	0.1	0.2	0.0	0.1	0.1	0.0	0.4
36500	1980	0.1	0.2	0.0	0.1	0.1	0.0	0.4
36865	1981	0.1	0.2	0.0	0.1	0.1	0.0	0.5
37230	1982	0.1	0.2	0.0	0.1	0.1	0.0	0.5
37595	1983	0.1	0.2	0.0	0.1	0.1	0.0	0.5
37960	1984	0.1	0.2	0.0	0.1	0.1	0.0	0.5
38325	1985	0.1	0.2	0.0	0.1	0.1	0.0	0.5
38690	1986	0.1	0.2	0.0	0.1	0.1	0.0	0.5
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S2). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
39055	1987	0.1	0.2	0.0	0.1	0.1	0.0	0.5
39420	1988	0.1	0.2	0.0	0.1	0.1	0.0	0.5
39785	1989	0.1	0.2	0.0	0.1	0.1	0.0	0.5
40150	1990	0.1	0.2	0.0	0.1	0.1	0.0	0.5
40515	1991	0.1	0.2	0.0	0.1	0.1	0.0	0.5
40880	1992	0.1	0.2	0.0	0.1	0.1	0.0	0.5
41245	1993	0.1	0.2	0.0	0.1	0.1	0.0	0.5
41610	1994	0.1	0.2	0.0	0.1	0.1	0.0	0.5
41975	1995	0.1	0.2	0.0	0.1	0.1	0.0	0.5
42340	1996	0.1	0.2	0.0	0.1	0.1	0.0	0.5
42705	1997	0.1	0.2	0.0	0.1	0.1	0.0	0.5
43070	1998	0.1	0.2	0.0	0.1	0.1	0.0	0.5
43435	1999	0.1	0.2	0.0	0.1	0.1	0.0	0.5
43800	2000	0.1	0.2	0.0	0.1	0.1	0.0	0.5
44165	2001	0.1	0.2	0.0	0.1	0.1	0.0	0.5
44530	2002	0.1	0.2	0.0	0.1	0.1	0.0	0.5
44895	2003	0.1	0.2	0.0	0.1	0.1	0.0	0.5
45260	2004	0.1	0.2	0.0	0.1	0.1	0.0	0.5
45625	2005	0.1	0.2	0.0	0.1	0.1	0.0	0.5
45990	2006	0.1	0.2	0.0	0.1	0.1	0.0	0.5
46355	2007	0.1	0.2	0.0	0.1	0.1	0.0	0.5
46720	2008	0.1	0.2	0.0	0.1	0.1	0.0	0.5
47085	2009	0.1	0.2	0.0	0.1	0.1	0.0	0.5
47450	2010	0.1	0.2	0.0	0.1	0.1	0.0	0.5
47815	2011	0.1	0.3	0.0	0.1	0.1	0.0	0.5
48180	2012	0.1	0.3	0.0	0.1	0.1	0.0	0.5
48545	2013	0.1	0.3	0.0	0.1	0.1	0.0	0.5
48910	2014	0.1	0.3	0.0	0.1	0.1	0.0	0.5
49275	2015	0.1	0.3	0.0	0.1	0.1	0.0	0.5
49640	2016	0.1	0.3	0.0	0.1	0.1	0.0	0.5
50005	2017	0.1	0.3	0.0	0.1	0.1	0.0	0.5
50370	2018	0.1	0.3	0.0	0.1	0.1	0.0	0.5
50735	2019	0.1	0.3	0.0	0.1	0.1	0.0	0.5
51100	2020	0.1	0.3	0.0	0.1	0.1	0.0	0.5
51465	2021	0.1	0.3	0.0	0.1	0.1	0.0	0.5
51830	2022	0.1	0.3	0.0	0.1	0.1	0.0	0.5
52195	2023	0.1	0.3	0.0	0.1	0.1	0.0	0.5
52560	2024	0.1	0.3	0.0	0.1	0.1	0.0	0.5
52925	2025	0.1	0.3	0.0	0.1	0.1	0.0	0.5
53290	2026	0.1	0.3	0.0	0.1	0.1	0.0	0.5
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

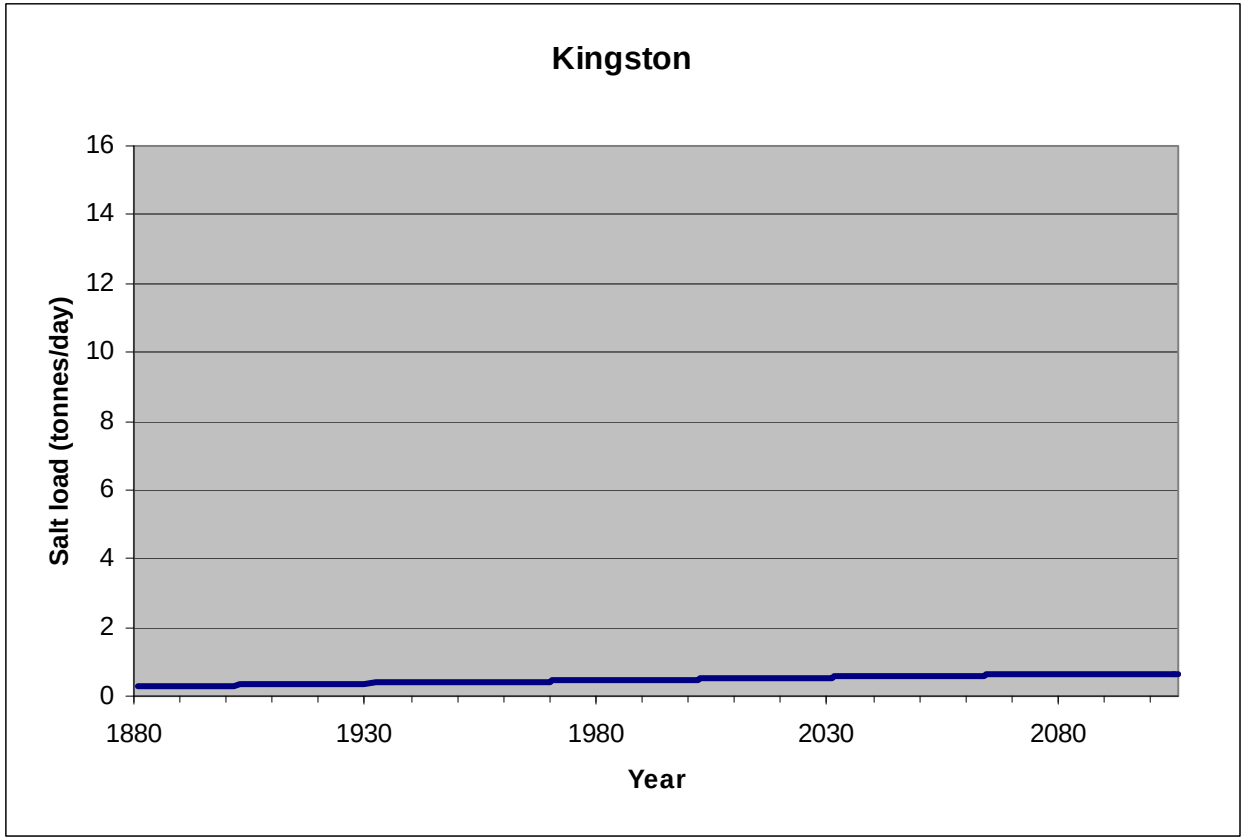
B-5(S2). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
53655	2027	0.1	0.3	0.0	0.1	0.1	0.0	0.5
54020	2028	0.1	0.3	0.0	0.1	0.1	0.0	0.5
54385	2029	0.1	0.3	0.0	0.1	0.1	0.0	0.5
54750	2030	0.1	0.3	0.0	0.1	0.1	0.0	0.5
55115	2031	0.1	0.3	0.0	0.1	0.1	0.0	0.5
55480	2032	0.1	0.3	0.0	0.1	0.1	0.0	0.6
55845	2033	0.1	0.3	0.0	0.1	0.1	0.0	0.6
56210	2034	0.1	0.3	0.0	0.1	0.1	0.0	0.6
56575	2035	0.1	0.3	0.0	0.1	0.1	0.0	0.6
56940	2036	0.1	0.3	0.0	0.1	0.1	0.0	0.6
57305	2037	0.1	0.3	0.0	0.1	0.1	0.0	0.6
57670	2038	0.1	0.3	0.0	0.1	0.1	0.0	0.6
58035	2039	0.1	0.3	0.0	0.1	0.1	0.0	0.6
58400	2040	0.1	0.3	0.0	0.1	0.1	0.0	0.6
58765	2041	0.1	0.3	0.0	0.1	0.1	0.0	0.6
59130	2042	0.1	0.3	0.0	0.1	0.1	0.0	0.6
59495	2043	0.1	0.3	0.0	0.1	0.1	0.0	0.6
59860	2044	0.1	0.3	0.0	0.1	0.1	0.0	0.6
60225	2045	0.1	0.3	0.0	0.1	0.1	0.0	0.6
60590	2046	0.1	0.3	0.0	0.1	0.1	0.0	0.6
60955	2047	0.1	0.3	0.0	0.1	0.1	0.0	0.6
61320	2048	0.1	0.3	0.0	0.1	0.1	0.0	0.6
61685	2049	0.1	0.3	0.0	0.1	0.1	0.0	0.6
62050	2050	0.1	0.3	0.0	0.1	0.1	0.0	0.6
62415	2051	0.1	0.3	0.0	0.1	0.1	0.0	0.6
62780	2052	0.1	0.3	0.0	0.1	0.1	0.0	0.6
63145	2053	0.1	0.3	0.0	0.1	0.1	0.0	0.6
63510	2054	0.1	0.3	0.0	0.1	0.1	0.0	0.6
63875	2055	0.1	0.3	0.0	0.1	0.1	0.0	0.6
64240	2056	0.1	0.3	0.0	0.1	0.1	0.0	0.6
64605	2057	0.1	0.3	0.0	0.1	0.1	0.0	0.6
64970	2058	0.1	0.3	0.0	0.1	0.1	0.0	0.6
65335	2059	0.1	0.3	0.0	0.1	0.1	0.0	0.6
65700	2060	0.1	0.3	0.0	0.1	0.1	0.0	0.6
66065	2061	0.1	0.3	0.0	0.1	0.1	0.0	0.6
66430	2062	0.1	0.3	0.0	0.1	0.1	0.0	0.6
66795	2063	0.1	0.3	0.0	0.1	0.1	0.0	0.6
67160	2064	0.1	0.3	0.0	0.1	0.1	0.0	0.6
67525	2065	0.1	0.3	0.0	0.1	0.1	0.0	0.6
67890	2066	0.1	0.3	0.0	0.1	0.1	0.0	0.6
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S2). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z10	Z1-Z11	Z1-Z12	Z3-Z10	Z3-Z11	Z3-Z12	
68255	2067	0.1	0.3	0.0	0.1	0.1	0.0	0.6
68620	2068	0.1	0.3	0.0	0.1	0.1	0.0	0.6
68985	2069	0.1	0.3	0.0	0.1	0.1	0.0	0.6
69350	2070	0.1	0.3	0.0	0.1	0.1	0.0	0.6
69715	2071	0.1	0.3	0.0	0.1	0.1	0.0	0.6
70080	2072	0.1	0.3	0.0	0.1	0.1	0.0	0.6
70445	2073	0.1	0.3	0.0	0.1	0.1	0.0	0.6
70810	2074	0.1	0.3	0.0	0.1	0.1	0.0	0.6
71175	2075	0.1	0.3	0.0	0.1	0.1	0.0	0.6
71540	2076	0.1	0.3	0.0	0.1	0.1	0.0	0.6
71905	2077	0.1	0.3	0.0	0.1	0.1	0.0	0.6
72270	2078	0.1	0.3	0.0	0.1	0.1	0.0	0.6
72635	2079	0.1	0.3	0.0	0.1	0.1	0.0	0.6
73000	2080	0.1	0.3	0.0	0.1	0.1	0.0	0.6
73365	2081	0.1	0.3	0.0	0.1	0.1	0.0	0.6
73730	2082	0.1	0.3	0.0	0.1	0.1	0.0	0.6
74095	2083	0.1	0.3	0.0	0.1	0.1	0.0	0.6
74460	2084	0.1	0.3	0.0	0.1	0.1	0.0	0.6
74825	2085	0.1	0.3	0.0	0.1	0.1	0.0	0.6
75190	2086	0.1	0.3	0.0	0.1	0.1	0.0	0.6
75555	2087	0.1	0.3	0.0	0.1	0.1	0.0	0.6
75920	2088	0.1	0.3	0.0	0.1	0.1	0.0	0.6
76285	2089	0.1	0.3	0.0	0.1	0.1	0.0	0.6
76650	2090	0.1	0.3	0.0	0.1	0.1	0.0	0.6
77015	2091	0.1	0.3	0.0	0.1	0.1	0.0	0.6
77380	2092	0.1	0.3	0.0	0.1	0.1	0.0	0.6
77745	2093	0.1	0.3	0.0	0.1	0.1	0.0	0.6
78110	2094	0.1	0.3	0.0	0.1	0.1	0.0	0.6
78475	2095	0.1	0.3	0.0	0.1	0.1	0.0	0.6
78840	2096	0.1	0.3	0.0	0.1	0.1	0.0	0.6
79205	2097	0.1	0.3	0.0	0.1	0.1	0.0	0.6
79570	2098	0.1	0.3	0.0	0.1	0.1	0.0	0.6
79935	2099	0.1	0.3	0.0	0.1	0.1	0.0	0.6
80300	2100	0.1	0.3	0.0	0.1	0.1	0.0	0.6
80665	2101	0.1	0.3	0.0	0.1	0.1	0.0	0.6
81030	2102	0.1	0.3	0.0	0.1	0.1	0.0	0.6
81395	2103	0.1	0.3	0.0	0.1	0.1	0.0	0.6
81760	2104	0.1	0.3	0.0	0.1	0.1	0.0	0.6
82125	2105	0.1	0.3	0.0	0.1	0.1	0.0	0.6
82490	2106	0.1	0.3	0.0	0.1	0.1	0.0	0.6
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S2). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 2)



B-5(S2). Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 2)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1961	343	317	4	69	63	5	800	9
730	1962	365	337	4	73	67	5	851	10
1095	1963	379	343	4	77	68	5	875	10
1460	1964	395	358	5	80	70	6	914	11
1825	1965	405	363	5	82	71	6	931	11
2190	1966	425	428	5	87	82	6	1035	12
2555	1967	445	442	6	93	84	7	1077	12
2920	1968	468	460	6	98	87	7	1126	13
3285	1969	481	465	6	101	88	7	1148	13
3650	1970	497	481	7	104	91	8	1187	14
4015	1971	506	485	7	107	91	8	1204	14
4380	1972	491	458	6	105	87	7	1154	13
4745	1973	483	456	6	103	87	7	1141	13
5110	1974	458	425	5	100	82	6	1076	12
5475	1975	445	421	5	96	81	6	1054	12
5840	1976	436	417	5	94	80	6	1038	12
6205	1977	432	416	5	93	80	6	1032	12
6570	1978	428	414	5	93	80	6	1025	12
6935	1979	426	414	5	92	80	6	1023	12
7300	1980	423	411	5	92	79	6	1016	12
7665	1981	422	410	5	92	79	6	1014	12
8030	1982	419	407	5	91	79	6	1007	12
8395	1983	418	407	5	91	79	6	1005	12
8760	1984	415	404	5	90	78	6	999	12
9125	1985	414	404	5	90	78	6	997	12
9490	1986	412	402	5	90	78	6	992	11
9855	1987	411	403	5	90	78	6	992	11
10220	1988	408	400	5	89	78	6	986	11
10585	1989	407	400	5	89	78	6	984	11
10950	1990	405	397	4	89	77	6	977	11
11315	1991	403	396	4	88	77	6	975	11
11680	1992	401	393	4	88	76	6	968	11
12045	1993	399	392	4	87	76	6	965	11
12410	1994	396	387	4	87	76	6	955	11
12775	1995	393	385	4	86	75	6	950	11
13140	1996	389	375	4	85	73	5	932	11
13505	1997	385	373	4	84	73	5	925	11
13870	1998	380	363	4	83	71	5	906	10

B-5(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
14235	**1999**	376	360	4	82	71	5	**897**	***10***
14600	**2000**	370	350	4	80	69	5	**878**	***10***
14965	**2001**	366	347	4	79	69	5	**869**	***10***
15330	**2002**	360	337	4	78	67	5	**850**	***10***
15695	**2003**	356	335	4	77	66	5	**842**	***10***
16060	**2004**	351	325	3	76	65	4	**824**	***10***
16425	**2005**	346	323	3	75	64	4	**816**	***9***
16790	**2006**	341	312	3	73	63	4	**797**	***9***
17155	**2007**	335	306	3	72	61	4	**781**	***9***
17520	**2008**	330	299	3	70	60	4	**766**	***9***
17885	**2009**	324	292	3	69	59	4	**750**	***9***
18250	**2010**	318	284	3	68	57	4	**734**	***8***
18615	**2011**	312	277	3	66	56	3	**718**	***8***
18980	**2012**	307	272	3	65	55	3	**706**	***8***
19345	**2013**	302	267	3	64	54	3	**693**	***8***
19710	**2014**	298	263	3	63	54	3	**683**	***8***
20075	**2015**	286	247	2	61	51	3	**650**	***8***
20440	**2016**	279	244	2	59	50	3	**637**	***7***
20805	**2017**	265	229	2	57	47	2	**601**	***7***
21170	**2018**	257	225	2	55	47	2	**587**	***7***
21535	**2019**	243	210	1	52	43	2	**551**	***6***
21900	**2020**	235	206	1	50	43	2	**537**	***6***
22265	**2021**	221	191	1	48	40	1	**501**	***6***
22630	**2022**	212	188	1	46	39	1	**487**	***6***
22995	**2023**	207	186	1	44	39	1	**479**	***6***
23360	**2024**	205	185	1	44	39	1	**474**	***5***
23725	**2025**	203	185	1	43	39	1	**472**	***5***
24090	**2026**	202	185	1	43	39	1	**470**	***5***
24455	**2027**	202	184	1	43	39	1	**470**	***5***
24820	**2028**	201	184	1	43	38	1	**469**	***5***
25185	**2029**	201	184	1	43	38	1	**469**	***5***
25550	**2030**	201	184	1	43	38	1	**469**	***5***
25915	**2031**	201	184	1	43	38	1	**468**	***5***
26280	**2032**	201	184	1	43	38	1	**468**	***5***
26645	**2033**	201	184	1	43	38	1	**468**	***5***
27010	**2034**	201	184	1	43	38	1	**468**	***5***

B-5(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
27375	2035	201	184	1	43	38	1	468	5
27740	2036	201	184	1	43	38	1	468	5
28105	2037	201	184	1	43	38	1	468	5
28470	2038	201	184	1	43	38	1	468	5
28835	2039	201	184	1	43	38	1	468	5
29200	2040	201	184	1	43	38	1	468	5
29565	2041	201	184	1	43	38	1	468	5
29930	2042	201	184	1	43	38	1	468	5
30295	2043	201	184	1	43	38	1	468	5
30660	2044	201	184	1	43	38	1	468	5
31025	2045	201	184	1	43	38	1	468	5
31390	2046	201	184	1	43	38	1	468	5
31755	2047	201	184	1	43	38	1	468	5
32120	2048	201	184	1	43	38	1	468	5
32485	2049	201	184	1	43	38	1	468	5
32850	2050	201	184	1	43	38	1	468	5
33215	2051	201	184	1	43	38	1	468	5
33580	2052	201	184	1	43	38	1	468	5
33945	2053	201	184	1	43	38	1	468	5
34310	2054	201	184	1	43	38	1	468	5
34675	2055	201	184	1	43	38	1	468	5
35040	2056	201	184	1	43	38	1	468	5
35405	2057	201	184	1	43	38	1	468	5
35770	2058	201	184	1	43	38	1	468	5
36135	2059	201	184	1	43	38	1	468	5
36500	2060	201	184	1	43	38	1	468	5
36865	2061	201	184	1	43	38	1	468	5
37230	2062	201	184	1	43	38	1	468	5
37595	2063	201	184	1	43	38	1	468	5
37960	2064	201	184	1	43	38	1	468	5
38325	2065	201	184	1	43	38	1	468	5
38690	2066	201	184	1	43	38	1	468	5
39055	2067	201	184	1	43	38	1	468	5
39420	2068	201	184	1	43	38	1	468	5
39785	2069	201	184	1	43	38	1	468	5
40150	2070	201	184	1	43	38	1	468	5

B-5(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
40515	2071	201	184	1	43	38	1	468	5
40880	2072	201	184	1	43	38	1	468	5
41245	2073	201	184	1	43	38	1	468	5
41610	2074	201	184	1	43	38	1	468	5
41975	2075	201	184	1	43	38	1	468	5
42340	2076	201	184	1	43	38	1	468	5
42705	2077	201	184	1	43	38	1	468	5
43070	2078	201	184	1	43	38	1	468	5
43435	2079	201	184	1	43	38	1	468	5
43800	2080	201	184	1	43	38	1	468	5
44165	2081	201	184	1	43	38	1	468	5
44530	2082	201	184	1	43	38	1	468	5
44895	2083	201	184	1	43	38	1	468	5
45260	2084	201	184	1	43	38	1	468	5
45625	2085	201	184	1	43	38	1	468	5
45990	2086	201	184	1	43	38	1	468	5
46355	2087	201	184	1	43	38	1	468	5
46720	2088	201	184	1	43	38	1	468	5
47085	2089	201	184	1	43	38	1	468	5
47450	2090	201	184	1	43	38	1	468	5
47815	2091	201	184	1	43	38	1	468	5
48180	2092	201	184	1	43	38	1	468	5
48545	2093	201	184	1	43	38	1	468	5
48910	2094	201	184	1	43	38	1	468	5
49275	2095	201	184	1	43	38	1	468	5
49640	2096	201	184	1	43	38	1	468	5
50005	2097	201	184	1	43	38	1	468	5
50370	2098	201	184	1	43	38	1	468	5
50735	2099	201	184	1	43	38	1	468	5
51100	2100	201	184	1	43	38	1	468	5
51465	2101	201	184	1	43	38	1	468	5
51830	2102	201	184	1	43	38	1	468	5
52195	2103	201	184	1	43	38	1	468	5
52560	2104	201	184	1	43	38	1	468	5
52925	2105	201	184	1	43	38	1	468	5
53290	2106	201	184	1	43	38	1	468	5

B-5(S3A). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	1.7	3.2	0.0	1.4	1.3	0.1	7.6
730	1962	1.8	3.4	0.0	1.5	1.3	0.1	8.1
1095	1963	1.9	3.4	0.0	1.5	1.4	0.1	8.3
1460	1964	2.0	3.6	0.0	1.6	1.4	0.1	8.7
1825	1965	2.0	3.6	0.0	1.6	1.4	0.1	8.9
2190	1966	2.1	4.3	0.0	1.7	1.6	0.1	9.9
2555	1967	2.2	4.4	0.0	1.9	1.7	0.1	10.4
2920	1968	2.3	4.6	0.0	2.0	1.7	0.1	10.8
3285	1969	2.4	4.6	0.0	2.0	1.8	0.1	11.0
3650	1970	2.5	4.8	0.0	2.1	1.8	0.2	11.4
4015	1971	2.5	4.9	0.0	2.1	1.8	0.2	11.5
4380	1972	2.5	4.6	0.0	2.1	1.7	0.1	11.1
4745	1973	2.4	4.6	0.0	2.1	1.7	0.1	10.9
5110	1974	2.3	4.2	0.0	2.0	1.6	0.1	10.3
5475	1975	2.2	4.2	0.0	1.9	1.6	0.1	10.1
5840	1976	2.2	4.2	0.0	1.9	1.6	0.1	10.0
6205	1977	2.2	4.2	0.0	1.9	1.6	0.1	9.9
6570	1978	2.1	4.1	0.0	1.9	1.6	0.1	9.9
6935	1979	2.1	4.1	0.0	1.8	1.6	0.1	9.9
7300	1980	2.1	4.1	0.0	1.8	1.6	0.1	9.8
7665	1981	2.1	4.1	0.0	1.8	1.6	0.1	9.8
8030	1982	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8395	1983	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8760	1984	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9125	1985	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9490	1986	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9855	1987	2.1	4.0	0.0	1.8	1.6	0.1	9.6
10220	1988	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10585	1989	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10950	1990	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11315	1991	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11680	1992	2.0	3.9	0.0	1.8	1.5	0.1	9.4
12045	1993	2.0	3.9	0.0	1.7	1.5	0.1	9.3
12410	1994	2.0	3.9	0.0	1.7	1.5	0.1	9.2
12775	1995	2.0	3.9	0.0	1.7	1.5	0.1	9.2
13140	1996	1.9	3.8	0.0	1.7	1.5	0.1	9.0
13505	1997	1.9	3.7	0.0	1.7	1.5	0.1	8.9
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	1.9	3.6	0.0	1.7	1.4	0.1	8.7
14235	1999	1.9	3.6	0.0	1.6	1.4	0.1	8.7
14600	2000	1.9	3.5	0.0	1.6	1.4	0.1	8.5
14965	2001	1.8	3.5	0.0	1.6	1.4	0.1	8.4
15330	2002	1.8	3.4	0.0	1.6	1.3	0.1	8.2
15695	2003	1.8	3.3	0.0	1.5	1.3	0.1	8.1
16060	2004	1.8	3.2	0.0	1.5	1.3	0.1	7.9
16425	2005	1.7	3.2	0.0	1.5	1.3	0.1	7.8
16790	2006	1.7	3.1	0.0	1.5	1.3	0.1	7.6
17155	2007	1.7	3.1	0.0	1.4	1.2	0.1	7.5
17520	2008	1.6	3.0	0.0	1.4	1.2	0.1	7.3
17885	2009	1.6	2.9	0.0	1.4	1.2	0.1	7.2
18250	2010	1.6	2.8	0.0	1.4	1.1	0.1	7.0
18615	2011	1.6	2.8	0.0	1.3	1.1	0.1	6.9
18980	2012	1.5	2.7	0.0	1.3	1.1	0.1	6.7
19345	2013	1.5	2.7	0.0	1.3	1.1	0.1	6.6
19710	2014	1.5	2.6	0.0	1.3	1.1	0.1	6.5
20075	2015	1.4	2.5	0.0	1.2	1.0	0.1	6.2
20440	2016	1.4	2.4	0.0	1.2	1.0	0.1	6.1
20805	2017	1.3	2.3	0.0	1.1	0.9	0.0	5.7
21170	2018	1.3	2.3	0.0	1.1	0.9	0.0	5.6
21535	2019	1.2	2.1	0.0	1.0	0.9	0.0	5.3
21900	2020	1.2	2.1	0.0	1.0	0.9	0.0	5.1
22265	2021	1.1	1.9	0.0	1.0	0.8	0.0	4.8
22630	2022	1.1	1.9	0.0	0.9	0.8	0.0	4.7
22995	2023	1.0	1.9	0.0	0.9	0.8	0.0	4.6
23360	2024	1.0	1.9	0.0	0.9	0.8	0.0	4.6
23725	2025	1.0	1.8	0.0	0.9	0.8	0.0	4.5
24090	2026	1.0	1.8	0.0	0.9	0.8	0.0	4.5
24455	2027	1.0	1.8	0.0	0.9	0.8	0.0	4.5
24820	2028	1.0	1.8	0.0	0.9	0.8	0.0	4.5
25185	2029	1.0	1.8	0.0	0.9	0.8	0.0	4.5
25550	2030	1.0	1.8	0.0	0.9	0.8	0.0	4.5
25915	2031	1.0	1.8	0.0	0.9	0.8	0.0	4.5
26280	2032	1.0	1.8	0.0	0.9	0.8	0.0	4.5
26645	2033	1.0	1.8	0.0	0.9	0.8	0.0	4.5
27010	2034	1.0	1.8	0.0	0.9	0.8	0.0	4.5
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

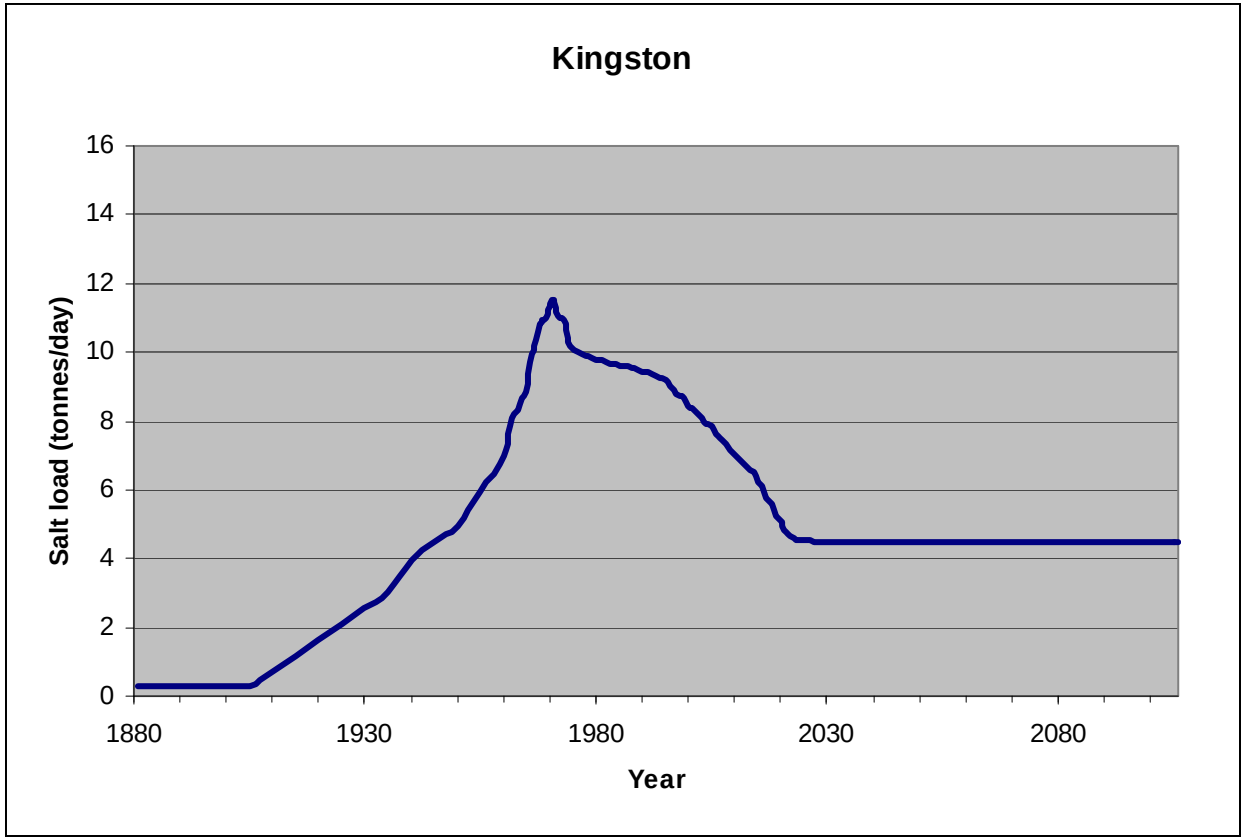
B-5(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	1.0	1.8	0.0	0.9	0.8	0.0	4.5
27740	2036	1.0	1.8	0.0	0.9	0.8	0.0	4.5
28105	2037	1.0	1.8	0.0	0.9	0.8	0.0	4.5
28470	2038	1.0	1.8	0.0	0.9	0.8	0.0	4.5
28835	2039	1.0	1.8	0.0	0.9	0.8	0.0	4.5
29200	2040	1.0	1.8	0.0	0.9	0.8	0.0	4.5
29565	2041	1.0	1.8	0.0	0.9	0.8	0.0	4.5
29930	2042	1.0	1.8	0.0	0.9	0.8	0.0	4.5
30295	2043	1.0	1.8	0.0	0.9	0.8	0.0	4.5
30660	2044	1.0	1.8	0.0	0.9	0.8	0.0	4.5
31025	2045	1.0	1.8	0.0	0.9	0.8	0.0	4.5
31390	2046	1.0	1.8	0.0	0.9	0.8	0.0	4.5
31755	2047	1.0	1.8	0.0	0.9	0.8	0.0	4.5
32120	2048	1.0	1.8	0.0	0.9	0.8	0.0	4.5
32485	2049	1.0	1.8	0.0	0.9	0.8	0.0	4.5
32850	2050	1.0	1.8	0.0	0.9	0.8	0.0	4.5
33215	2051	1.0	1.8	0.0	0.9	0.8	0.0	4.5
33580	2052	1.0	1.8	0.0	0.9	0.8	0.0	4.5
33945	2053	1.0	1.8	0.0	0.9	0.8	0.0	4.5
34310	2054	1.0	1.8	0.0	0.9	0.8	0.0	4.5
34675	2055	1.0	1.8	0.0	0.9	0.8	0.0	4.5
35040	2056	1.0	1.8	0.0	0.9	0.8	0.0	4.5
35405	2057	1.0	1.8	0.0	0.9	0.8	0.0	4.5
35770	2058	1.0	1.8	0.0	0.9	0.8	0.0	4.5
36135	2059	1.0	1.8	0.0	0.9	0.8	0.0	4.5
36500	2060	1.0	1.8	0.0	0.9	0.8	0.0	4.5
36865	2061	1.0	1.8	0.0	0.9	0.8	0.0	4.5
37230	2062	1.0	1.8	0.0	0.9	0.8	0.0	4.5
37595	2063	1.0	1.8	0.0	0.9	0.8	0.0	4.5
37960	2064	1.0	1.8	0.0	0.9	0.8	0.0	4.5
38325	2065	1.0	1.8	0.0	0.9	0.8	0.0	4.5
38690	2066	1.0	1.8	0.0	0.9	0.8	0.0	4.5
39055	2067	1.0	1.8	0.0	0.9	0.8	0.0	4.5
39420	2068	1.0	1.8	0.0	0.9	0.8	0.0	4.5
39785	2069	1.0	1.8	0.0	0.9	0.8	0.0	4.5
40150	2070	1.0	1.8	0.0	0.9	0.8	0.0	4.5
40515	2071	1.0	1.8	0.0	0.9	0.8	0.0	4.5
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	1.0	1.8	0.0	0.9	0.8	0.0	4.5
41245	2073	1.0	1.8	0.0	0.9	0.8	0.0	4.5
41610	2074	1.0	1.8	0.0	0.9	0.8	0.0	4.5
41975	2075	1.0	1.8	0.0	0.9	0.8	0.0	4.5
42340	2076	1.0	1.8	0.0	0.9	0.8	0.0	4.5
42705	2077	1.0	1.8	0.0	0.9	0.8	0.0	4.5
43070	2078	1.0	1.8	0.0	0.9	0.8	0.0	4.5
43435	2079	1.0	1.8	0.0	0.9	0.8	0.0	4.5
43800	2080	1.0	1.8	0.0	0.9	0.8	0.0	4.5
44165	2081	1.0	1.8	0.0	0.9	0.8	0.0	4.5
44530	2082	1.0	1.8	0.0	0.9	0.8	0.0	4.5
44895	2083	1.0	1.8	0.0	0.9	0.8	0.0	4.5
45260	2084	1.0	1.8	0.0	0.9	0.8	0.0	4.5
45625	2085	1.0	1.8	0.0	0.9	0.8	0.0	4.5
45990	2086	1.0	1.8	0.0	0.9	0.8	0.0	4.5
46355	2087	1.0	1.8	0.0	0.9	0.8	0.0	4.5
46720	2088	1.0	1.8	0.0	0.9	0.8	0.0	4.5
47085	2089	1.0	1.8	0.0	0.9	0.8	0.0	4.5
47450	2090	1.0	1.8	0.0	0.9	0.8	0.0	4.5
47815	2091	1.0	1.8	0.0	0.9	0.8	0.0	4.5
48180	2092	1.0	1.8	0.0	0.9	0.8	0.0	4.5
48545	2093	1.0	1.8	0.0	0.9	0.8	0.0	4.5
48910	2094	1.0	1.8	0.0	0.9	0.8	0.0	4.5
49275	2095	1.0	1.8	0.0	0.9	0.8	0.0	4.5
49640	2096	1.0	1.8	0.0	0.9	0.8	0.0	4.5
50005	2097	1.0	1.8	0.0	0.9	0.8	0.0	4.5
50370	2098	1.0	1.8	0.0	0.9	0.8	0.0	4.5
50735	2099	1.0	1.8	0.0	0.9	0.8	0.0	4.5
51100	2100	1.0	1.8	0.0	0.9	0.8	0.0	4.5
51465	2101	1.0	1.8	0.0	0.9	0.8	0.0	4.5
51830	2102	1.0	1.8	0.0	0.9	0.8	0.0	4.5
52195	2103	1.0	1.8	0.0	0.9	0.8	0.0	4.5
52560	2104	1.0	1.8	0.0	0.9	0.8	0.0	4.5
52925	2105	1.0	1.8	0.0	0.9	0.8	0.0	4.5
53290	2106	1.0	1.8	0.0	0.9	0.8	0.0	4.5
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3A). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3A)



B-5(S3A). Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3A)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1961	343	317	4	69	63	5	800	9
730	1962	365	337	4	73	67	5	851	10
1095	1963	379	343	4	77	68	5	875	10
1460	1964	395	358	5	80	70	6	914	11
1825	1965	405	363	5	82	71	6	931	11
2190	1966	425	428	5	87	82	6	1035	12
2555	1967	445	442	6	93	84	7	1077	12
2920	1968	468	460	6	98	87	7	1126	13
3285	1969	481	465	6	101	88	7	1148	13
3650	1970	497	481	7	104	91	8	1187	14
4015	1971	506	485	7	107	91	8	1204	14
4380	1972	491	458	6	105	87	7	1154	13
4745	1973	483	456	6	103	87	7	1141	13
5110	1974	458	425	5	100	82	6	1076	12
5475	1975	445	421	5	96	81	6	1054	12
5840	1976	436	417	5	94	80	6	1038	12
6205	1977	432	416	5	93	80	6	1032	12
6570	1978	428	414	5	93	80	6	1025	12
6935	1979	426	414	5	92	80	6	1023	12
7300	1980	423	411	5	92	79	6	1016	12
7665	1981	422	410	5	92	79	6	1014	12
8030	1982	419	407	5	91	79	6	1007	12
8395	1983	418	407	5	91	79	6	1005	12
8760	1984	415	404	5	90	78	6	999	12
9125	1985	414	404	5	90	78	6	997	12
9490	1986	412	402	5	90	78	6	992	11
9855	1987	411	403	5	90	78	6	992	11
10220	1988	408	400	5	89	78	6	986	11
10585	1989	407	400	5	89	78	6	984	11
10950	1990	405	397	4	89	77	6	977	11
11315	1991	403	396	4	88	77	6	975	11
11680	1992	401	393	4	88	76	6	968	11
12045	1993	399	392	4	87	76	6	965	11
12410	1994	396	387	4	87	76	6	955	11
12775	1995	393	385	4	86	75	6	950	11
13140	1996	389	375	4	85	73	5	932	11
13505	1997	385	373	4	84	73	5	925	11
13870	1998	380	363	4	83	71	5	906	10

B-5(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
14235	**1999**	376	360	4	82	71	5	**897**	***10***
14600	**2000**	370	349	4	80	69	5	**877**	***10***
14965	**2001**	366	347	4	79	69	5	**868**	***10***
15330	**2002**	360	336	4	78	67	5	**849**	***10***
15695	**2003**	356	334	4	77	66	5	**841**	***10***
16060	**2004**	350	324	3	75	65	4	**822**	***10***
16425	**2005**	346	322	3	74	64	4	**814**	***9***
16790	**2006**	340	311	3	73	62	4	**795**	***9***
17155	**2007**	334	305	3	72	61	4	**779**	***9***
17520	**2008**	329	297	3	70	60	4	**763**	***9***
17885	**2009**	323	291	3	69	59	4	**748**	***9***
18250	**2010**	318	283	3	67	57	4	**732**	***8***
18615	**2011**	311	276	3	66	56	3	**716**	***8***
18980	**2012**	307	271	3	65	55	3	**703**	***8***
19345	**2013**	301	265	3	63	54	3	**689**	***8***
19710	**2014**	297	260	3	62	53	3	**677**	***8***
20075	**2015**	283	242	2	60	50	2	**640**	***7***
20440	**2016**	275	238	2	58	49	2	**624**	***7***
20805	**2017**	260	221	2	55	46	2	**585**	***7***
21170	**2018**	251	217	2	53	45	2	**569**	***7***
21535	**2019**	237	200	1	51	42	1	**532**	***6***
21900	**2020**	228	197	1	48	41	1	**517**	***6***
22265	**2021**	213	181	1	46	38	1	**480**	***6***
22630	**2022**	205	178	1	44	37	1	**466**	***5***
22995	**2023**	191	162	1	41	34	0	**430**	***5***
23360	**2024**	183	159	1	39	33	0	**415**	***5***
23725	**2025**	178	157	1	38	33	0	**407**	***5***
24090	**2026**	175	157	1	37	33	0	**402**	***5***
24455	**2027**	164	142	0	36	30	0	**372**	***4***
24820	**2028**	158	139	0	34	29	0	**361**	***4***
25185	**2029**	145	124	0	32	26	0	**328**	***4***
25550	**2030**	137	121	0	30	26	0	**315**	***4***
25915	**2031**	124	106	0	28	23	0	**281**	***3***
26280	**2032**	116	103	0	26	22	0	**267**	***3***
26645	**2033**	111	102	0	24	21	0	**258**	***3***
27010	**2034**	108	101	0	24	21	0	**254**	***3***

B-5(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
27375	2035	106	100	0	23	21	0	**251**	***3***
27740	2036	105	100	0	23	21	0	**249**	***3***
28105	2037	104	100	0	23	21	0	**248**	***3***
28470	2038	104	100	0	23	21	0	**247**	***3***
28835	2039	104	100	0	23	21	0	**247**	***3***
29200	2040	103	100	0	23	21	0	**247**	***3***
29565	2041	103	100	0	23	21	0	**246**	***3***
29930	2042	103	99	0	22	21	0	**246**	***3***
30295	2043	103	99	0	22	21	0	**246**	***3***
30660	2044	103	99	0	22	21	0	**246**	***3***
31025	2045	103	99	0	22	21	0	**246**	***3***
31390	2046	103	99	0	22	21	0	**246**	***3***
31755	2047	103	99	0	22	21	0	**246**	***3***
32120	2048	103	99	0	22	21	0	**246**	***3***
32485	2049	103	99	0	22	21	0	**246**	***3***
32850	2050	103	99	0	22	21	0	**246**	***3***
33215	2051	103	99	0	22	21	0	**246**	***3***
33580	2052	103	99	0	22	21	0	**246**	***3***
33945	2053	103	99	0	22	21	0	**246**	***3***
34310	2054	103	99	0	22	21	0	**246**	***3***
34675	2055	103	99	0	22	21	0	**246**	***3***
35040	2056	103	99	0	22	21	0	**246**	***3***
35405	2057	103	99	0	22	21	0	**246**	***3***
35770	2058	103	99	0	22	21	0	**246**	***3***
36135	2059	103	99	0	22	21	0	**246**	***3***
36500	2060	103	99	0	22	21	0	**246**	***3***
36865	2061	103	99	0	22	21	0	**246**	***3***
37230	2062	103	99	0	22	21	0	**246**	***3***
37595	2063	103	99	0	22	21	0	**246**	***3***
37960	2064	103	99	0	22	21	0	**246**	***3***
38325	2065	103	99	0	22	21	0	**246**	***3***
38690	2066	103	99	0	22	21	0	**246**	***3***
39055	2067	103	99	0	22	21	0	**246**	***3***
39420	2068	103	99	0	22	21	0	**246**	***3***
39785	2069	103	99	0	22	21	0	**246**	***3***
40150	2070	103	99	0	22	21	0	**246**	***3***

B-5(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
40515	2071	103	99	0	22	21	0	246	3
40880	2072	103	99	0	22	21	0	246	3
41245	2073	103	99	0	22	21	0	246	3
41610	2074	103	99	0	22	21	0	246	3
41975	2075	103	99	0	22	21	0	246	3
42340	2076	103	99	0	22	21	0	246	3
42705	2077	103	99	0	22	21	0	246	3
43070	2078	103	99	0	22	21	0	246	3
43435	2079	103	99	0	22	21	0	246	3
43800	2080	103	99	0	22	21	0	246	3
44165	2081	103	99	0	22	21	0	246	3
44530	2082	103	99	0	22	21	0	246	3
44895	2083	103	99	0	22	21	0	246	3
45260	2084	103	99	0	22	21	0	246	3
45625	2085	103	99	0	22	21	0	246	3
45990	2086	103	99	0	22	21	0	246	3
46355	2087	103	99	0	22	21	0	246	3
46720	2088	103	99	0	22	21	0	246	3
47085	2089	103	99	0	22	21	0	246	3
47450	2090	103	99	0	22	21	0	246	3
47815	2091	103	99	0	22	21	0	246	3
48180	2092	103	99	0	22	21	0	246	3
48545	2093	103	99	0	22	21	0	246	3
48910	2094	103	99	0	22	21	0	246	3
49275	2095	103	99	0	22	21	0	246	3
49640	2096	103	99	0	22	21	0	246	3
50005	2097	103	99	0	22	21	0	246	3
50370	2098	103	99	0	22	21	0	246	3
50735	2099	103	99	0	22	21	0	246	3
51100	2100	103	99	0	22	21	0	246	3
51465	2101	103	99	0	22	21	0	246	3
51830	2102	103	99	0	22	21	0	246	3
52195	2103	103	99	0	22	21	0	246	3
52560	2104	103	99	0	22	21	0	246	3
52925	2105	103	99	0	22	21	0	246	3
53290	2106	103	99	0	22	21	0	246	3

B-5(S3B). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	1.7	3.2	0.0	1.4	1.3	0.1	7.6
730	1962	1.8	3.4	0.0	1.5	1.3	0.1	8.1
1095	1963	1.9	3.4	0.0	1.5	1.4	0.1	8.3
1460	1964	2.0	3.6	0.0	1.6	1.4	0.1	8.7
1825	1965	2.0	3.6	0.0	1.6	1.4	0.1	8.9
2190	1966	2.1	4.3	0.0	1.7	1.6	0.1	9.9
2555	1967	2.2	4.4	0.0	1.9	1.7	0.1	10.4
2920	1968	2.3	4.6	0.0	2.0	1.7	0.1	10.8
3285	1969	2.4	4.6	0.0	2.0	1.8	0.1	11.0
3650	1970	2.5	4.8	0.0	2.1	1.8	0.2	11.4
4015	1971	2.5	4.9	0.0	2.1	1.8	0.2	11.5
4380	1972	2.5	4.6	0.0	2.1	1.7	0.1	11.1
4745	1973	2.4	4.6	0.0	2.1	1.7	0.1	10.9
5110	1974	2.3	4.2	0.0	2.0	1.6	0.1	10.3
5475	1975	2.2	4.2	0.0	1.9	1.6	0.1	10.1
5840	1976	2.2	4.2	0.0	1.9	1.6	0.1	10.0
6205	1977	2.2	4.2	0.0	1.9	1.6	0.1	9.9
6570	1978	2.1	4.1	0.0	1.9	1.6	0.1	9.9
6935	1979	2.1	4.1	0.0	1.8	1.6	0.1	9.9
7300	1980	2.1	4.1	0.0	1.8	1.6	0.1	9.8
7665	1981	2.1	4.1	0.0	1.8	1.6	0.1	9.8
8030	1982	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8395	1983	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8760	1984	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9125	1985	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9490	1986	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9855	1987	2.1	4.0	0.0	1.8	1.6	0.1	9.6
10220	1988	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10585	1989	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10950	1990	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11315	1991	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11680	1992	2.0	3.9	0.0	1.8	1.5	0.1	9.4
12045	1993	2.0	3.9	0.0	1.7	1.5	0.1	9.3
12410	1994	2.0	3.9	0.0	1.7	1.5	0.1	9.2
12775	1995	2.0	3.9	0.0	1.7	1.5	0.1	9.2
13140	1996	1.9	3.8	0.0	1.7	1.5	0.1	9.0
13505	1997	1.9	3.7	0.0	1.7	1.5	0.1	8.9
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	1.9	3.6	0.0	1.7	1.4	0.1	8.7
14235	1999	1.9	3.6	0.0	1.6	1.4	0.1	8.6
14600	2000	1.8	3.5	0.0	1.6	1.4	0.1	8.4
14965	2001	1.8	3.5	0.0	1.6	1.4	0.1	8.4
15330	2002	1.8	3.4	0.0	1.6	1.3	0.1	8.2
15695	2003	1.8	3.3	0.0	1.5	1.3	0.1	8.1
16060	2004	1.8	3.2	0.0	1.5	1.3	0.1	7.9
16425	2005	1.7	3.2	0.0	1.5	1.3	0.1	7.8
16790	2006	1.7	3.1	0.0	1.5	1.2	0.1	7.6
17155	2007	1.7	3.1	0.0	1.4	1.2	0.1	7.5
17520	2008	1.6	3.0	0.0	1.4	1.2	0.1	7.3
17885	2009	1.6	2.9	0.0	1.4	1.2	0.1	7.2
18250	2010	1.6	2.8	0.0	1.3	1.1	0.1	7.0
18615	2011	1.6	2.8	0.0	1.3	1.1	0.1	6.8
18980	2012	1.5	2.7	0.0	1.3	1.1	0.1	6.7
19345	2013	1.5	2.6	0.0	1.3	1.1	0.1	6.6
19710	2014	1.5	2.6	0.0	1.2	1.1	0.1	6.5
20075	2015	1.4	2.4	0.0	1.2	1.0	0.0	6.1
20440	2016	1.4	2.4	0.0	1.2	1.0	0.0	5.9
20805	2017	1.3	2.2	0.0	1.1	0.9	0.0	5.6
21170	2018	1.3	2.2	0.0	1.1	0.9	0.0	5.4
21535	2019	1.2	2.0	0.0	1.0	0.8	0.0	5.1
21900	2020	1.1	2.0	0.0	1.0	0.8	0.0	4.9
22265	2021	1.1	1.8	0.0	0.9	0.8	0.0	4.6
22630	2022	1.0	1.8	0.0	0.9	0.7	0.0	4.4
22995	2023	1.0	1.6	0.0	0.8	0.7	0.0	4.1
23360	2024	0.9	1.6	0.0	0.8	0.7	0.0	4.0
23725	2025	0.9	1.6	0.0	0.8	0.7	0.0	3.9
24090	2026	0.9	1.6	0.0	0.7	0.7	0.0	3.8
24455	2027	0.8	1.4	0.0	0.7	0.6	0.0	3.6
24820	2028	0.8	1.4	0.0	0.7	0.6	0.0	3.5
25185	2029	0.7	1.2	0.0	0.6	0.5	0.0	3.1
25550	2030	0.7	1.2	0.0	0.6	0.5	0.0	3.0
25915	2031	0.6	1.1	0.0	0.6	0.5	0.0	2.7
26280	2032	0.6	1.0	0.0	0.5	0.4	0.0	2.6
26645	2033	0.6	1.0	0.0	0.5	0.4	0.0	2.5
27010	2034	0.5	1.0	0.0	0.5	0.4	0.0	2.4
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

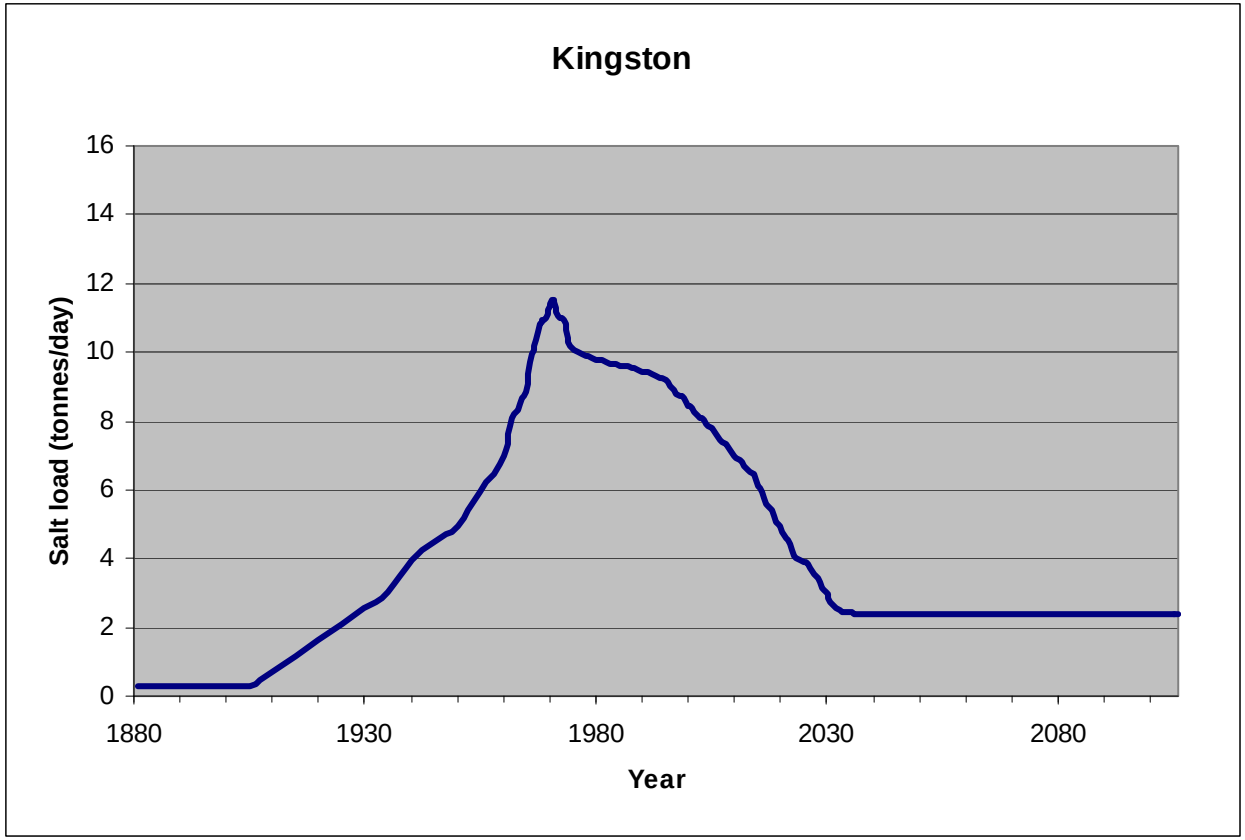
B-5(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.5	1.0	0.0	0.5	0.4	0.0	2.4
27740	2036	0.5	1.0	0.0	0.5	0.4	0.0	2.4
28105	2037	0.5	1.0	0.0	0.5	0.4	0.0	2.4
28470	2038	0.5	1.0	0.0	0.5	0.4	0.0	2.4
28835	2039	0.5	1.0	0.0	0.5	0.4	0.0	2.4
29200	2040	0.5	1.0	0.0	0.5	0.4	0.0	2.4
29565	2041	0.5	1.0	0.0	0.5	0.4	0.0	2.4
29930	2042	0.5	1.0	0.0	0.4	0.4	0.0	2.4
30295	2043	0.5	1.0	0.0	0.4	0.4	0.0	2.4
30660	2044	0.5	1.0	0.0	0.4	0.4	0.0	2.4
31025	2045	0.5	1.0	0.0	0.4	0.4	0.0	2.4
31390	2046	0.5	1.0	0.0	0.4	0.4	0.0	2.4
31755	2047	0.5	1.0	0.0	0.4	0.4	0.0	2.4
32120	2048	0.5	1.0	0.0	0.4	0.4	0.0	2.4
32485	2049	0.5	1.0	0.0	0.4	0.4	0.0	2.4
32850	2050	0.5	1.0	0.0	0.4	0.4	0.0	2.4
33215	2051	0.5	1.0	0.0	0.4	0.4	0.0	2.4
33580	2052	0.5	1.0	0.0	0.4	0.4	0.0	2.4
33945	2053	0.5	1.0	0.0	0.4	0.4	0.0	2.4
34310	2054	0.5	1.0	0.0	0.4	0.4	0.0	2.4
34675	2055	0.5	1.0	0.0	0.4	0.4	0.0	2.4
35040	2056	0.5	1.0	0.0	0.4	0.4	0.0	2.4
35405	2057	0.5	1.0	0.0	0.4	0.4	0.0	2.4
35770	2058	0.5	1.0	0.0	0.4	0.4	0.0	2.4
36135	2059	0.5	1.0	0.0	0.4	0.4	0.0	2.4
36500	2060	0.5	1.0	0.0	0.4	0.4	0.0	2.4
36865	2061	0.5	1.0	0.0	0.4	0.4	0.0	2.4
37230	2062	0.5	1.0	0.0	0.4	0.4	0.0	2.4
37595	2063	0.5	1.0	0.0	0.4	0.4	0.0	2.4
37960	2064	0.5	1.0	0.0	0.4	0.4	0.0	2.4
38325	2065	0.5	1.0	0.0	0.4	0.4	0.0	2.4
38690	2066	0.5	1.0	0.0	0.4	0.4	0.0	2.4
39055	2067	0.5	1.0	0.0	0.4	0.4	0.0	2.4
39420	2068	0.5	1.0	0.0	0.4	0.4	0.0	2.4
39785	2069	0.5	1.0	0.0	0.4	0.4	0.0	2.4
40150	2070	0.5	1.0	0.0	0.4	0.4	0.0	2.4
40515	2071	0.5	1.0	0.0	0.4	0.4	0.0	2.4
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.5	1.0	0.0	0.4	0.4	0.0	2.4
41245	2073	0.5	1.0	0.0	0.4	0.4	0.0	2.4
41610	2074	0.5	1.0	0.0	0.4	0.4	0.0	2.4
41975	2075	0.5	1.0	0.0	0.4	0.4	0.0	2.4
42340	2076	0.5	1.0	0.0	0.4	0.4	0.0	2.4
42705	2077	0.5	1.0	0.0	0.4	0.4	0.0	2.4
43070	2078	0.5	1.0	0.0	0.4	0.4	0.0	2.4
43435	2079	0.5	1.0	0.0	0.4	0.4	0.0	2.4
43800	2080	0.5	1.0	0.0	0.4	0.4	0.0	2.4
44165	2081	0.5	1.0	0.0	0.4	0.4	0.0	2.4
44530	2082	0.5	1.0	0.0	0.4	0.4	0.0	2.4
44895	2083	0.5	1.0	0.0	0.4	0.4	0.0	2.4
45260	2084	0.5	1.0	0.0	0.4	0.4	0.0	2.4
45625	2085	0.5	1.0	0.0	0.4	0.4	0.0	2.4
45990	2086	0.5	1.0	0.0	0.4	0.4	0.0	2.4
46355	2087	0.5	1.0	0.0	0.4	0.4	0.0	2.4
46720	2088	0.5	1.0	0.0	0.4	0.4	0.0	2.4
47085	2089	0.5	1.0	0.0	0.4	0.4	0.0	2.4
47450	2090	0.5	1.0	0.0	0.4	0.4	0.0	2.4
47815	2091	0.5	1.0	0.0	0.4	0.4	0.0	2.4
48180	2092	0.5	1.0	0.0	0.4	0.4	0.0	2.4
48545	2093	0.5	1.0	0.0	0.4	0.4	0.0	2.4
48910	2094	0.5	1.0	0.0	0.4	0.4	0.0	2.4
49275	2095	0.5	1.0	0.0	0.4	0.4	0.0	2.4
49640	2096	0.5	1.0	0.0	0.4	0.4	0.0	2.4
50005	2097	0.5	1.0	0.0	0.4	0.4	0.0	2.4
50370	2098	0.5	1.0	0.0	0.4	0.4	0.0	2.4
50735	2099	0.5	1.0	0.0	0.4	0.4	0.0	2.4
51100	2100	0.5	1.0	0.0	0.4	0.4	0.0	2.4
51465	2101	0.5	1.0	0.0	0.4	0.4	0.0	2.4
51830	2102	0.5	1.0	0.0	0.4	0.4	0.0	2.4
52195	2103	0.5	1.0	0.0	0.4	0.4	0.0	2.4
52560	2104	0.5	1.0	0.0	0.4	0.4	0.0	2.4
52925	2105	0.5	1.0	0.0	0.4	0.4	0.0	2.4
53290	2106	0.5	1.0	0.0	0.4	0.4	0.0	2.4
Salinity (mg/L)		*5,000*	*10,000*	*5,000*	*20,000*	*20,000*	*20,000*	

B-5(S3B). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3B)



B-5(S3B). Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3B)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1961	343	317	4	69	63	5	800	9
730	1962	365	337	4	73	67	5	851	10
1095	1963	379	343	4	77	68	5	875	10
1460	1964	395	358	5	80	70	6	914	11
1825	1965	405	363	5	82	71	6	931	11
2190	1966	425	428	5	87	82	6	1035	12
2555	1967	445	442	6	93	84	7	1077	12
2920	1968	468	460	6	98	87	7	1126	13
3285	1969	481	465	6	101	88	7	1148	13
3650	1970	497	481	7	104	91	8	1187	14
4015	1971	506	485	7	107	91	8	1204	14
4380	1972	491	458	6	105	87	7	1154	13
4745	1973	483	456	6	103	87	7	1141	13
5110	1974	458	425	5	100	82	6	1076	12
5475	1975	445	421	5	96	81	6	1054	12
5840	1976	436	417	5	94	80	6	1038	12
6205	1977	432	416	5	93	80	6	1032	12
6570	1978	428	414	5	93	80	6	1025	12
6935	1979	426	414	5	92	80	6	1023	12
7300	1980	423	411	5	92	79	6	1016	12
7665	1981	422	410	5	92	79	6	1014	12
8030	1982	419	407	5	91	79	6	1007	12
8395	1983	418	407	5	91	79	6	1005	12
8760	1984	415	404	5	90	78	6	999	12
9125	1985	414	404	5	90	78	6	997	12
9490	1986	412	402	5	90	78	6	992	11
9855	1987	411	403	5	90	78	6	992	11
10220	1988	408	400	5	89	78	6	986	11
10585	1989	407	400	5	89	78	6	984	11
10950	1990	405	397	4	89	77	6	977	11
11315	1991	403	396	4	88	77	6	975	11
11680	1992	401	393	4	88	76	6	968	11
12045	1993	399	392	4	87	76	6	965	11
12410	1994	396	387	4	87	76	6	955	11
12775	1995	393	385	4	86	75	6	950	11
13140	1996	389	375	4	85	73	5	932	11
13505	1997	385	373	4	84	73	5	925	11
13870	1998	380	363	4	83	71	5	906	10

B-5(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
14235	**1999**	376	360	4	82	71	5	**897**	***10***
14600	**2000**	370	349	4	80	69	5	**877**	***10***
14965	**2001**	366	347	4	79	69	5	**868**	***10***
15330	**2002**	360	336	4	78	67	5	**849**	***10***
15695	**2003**	356	334	4	77	66	5	**840**	***10***
16060	**2004**	350	324	3	75	65	4	**821**	***10***
16425	**2005**	346	321	3	74	64	4	**813**	***9***
16790	**2006**	340	311	3	73	62	4	**794**	***9***
17155	**2007**	334	305	3	72	61	4	**778**	***9***
17520	**2008**	329	297	3	70	60	4	**763**	***9***
17885	**2009**	323	291	3	69	59	4	**747**	***9***
18250	**2010**	318	283	3	67	57	4	**731**	***8***
18615	**2011**	311	276	3	66	56	3	**715**	***8***
18980	**2012**	306	271	3	65	55	3	**703**	***8***
19345	**2013**	301	265	3	63	54	3	**688**	***8***
19710	**2014**	296	259	3	62	53	3	**676**	***8***
20075	**2015**	283	242	2	60	50	2	**639**	***7***
20440	**2016**	275	237	2	58	49	2	**623**	***7***
20805	**2017**	260	220	2	55	45	2	**584**	***7***
21170	**2018**	251	215	2	53	44	2	**566**	***7***
21535	**2019**	236	199	1	50	41	1	**528**	***6***
21900	**2020**	227	195	1	48	41	1	**512**	***6***
22265	**2021**	212	179	1	45	37	1	**475**	***6***
22630	**2022**	203	176	1	43	37	1	**461**	***5***
22995	**2023**	189	160	1	41	34	0	**424**	***5***
23360	**2024**	181	157	1	39	33	0	**410**	***5***
23725	**2025**	176	155	1	37	33	0	**401**	***5***
24090	**2026**	173	154	1	37	32	0	**397**	***5***
24455	**2027**	162	140	0	35	29	0	**367**	***4***
24820	**2028**	156	137	0	33	29	0	**355**	***4***
25185	**2029**	143	122	0	31	26	0	**322**	***4***
25550	**2030**	135	119	0	30	25	0	**309**	***4***
25915	**2031**	122	104	0	27	22	0	**275**	***3***
26280	**2032**	114	101	0	25	21	0	**261**	***3***
26645	**2033**	109	99	0	24	21	0	**253**	***3***
27010	**2034**	106	98	0	23	21	0	**248**	***3***

B-5(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
27375	2035	104	98	0	23	21	0	245	3
27740	2036	103	98	0	22	21	0	243	3
28105	2037	102	97	0	22	21	0	242	3
28470	2038	102	97	0	22	20	0	242	3
28835	2039	102	97	0	22	20	0	241	3
29200	2040	102	97	0	22	20	0	241	3
29565	2041	101	97	0	22	20	0	241	3
29930	2042	101	97	0	22	20	0	241	3
30295	2043	101	97	0	22	20	0	241	3
30660	2044	101	97	0	22	20	0	241	3
31025	2045	101	97	0	22	20	0	241	3
31390	2046	101	97	0	22	20	0	241	3
31755	2047	101	97	0	22	20	0	241	3
32120	2048	101	97	0	22	20	0	241	3
32485	2049	101	97	0	22	20	0	241	3
32850	2050	101	97	0	22	20	0	241	3
33215	2051	101	97	0	22	20	0	241	3
33580	2052	101	97	0	22	20	0	241	3
33945	2053	101	97	0	22	20	0	241	3
34310	2054	101	97	0	22	20	0	241	3
34675	2055	101	97	0	22	20	0	241	3
35040	2056	101	97	0	22	20	0	240	3
35405	2057	101	97	0	22	20	0	240	3
35770	2058	101	97	0	22	20	0	240	3
36135	2059	101	97	0	22	20	0	240	3
36500	2060	101	97	0	22	20	0	240	3
36865	2061	101	97	0	22	20	0	240	3
37230	2062	101	97	0	22	20	0	240	3
37595	2063	101	97	0	22	20	0	240	3
37960	2064	101	97	0	22	20	0	240	3
38325	2065	101	97	0	22	20	0	240	3
38690	2066	101	97	0	22	20	0	240	3
39055	2067	101	97	0	22	20	0	240	3
39420	2068	101	97	0	22	20	0	240	3
39785	2069	101	97	0	22	20	0	240	3
40150	2070	101	97	0	22	20	0	240	3

B-5(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
40515	2071	101	97	0	22	20	0	240	3
40880	2072	101	97	0	22	20	0	240	3
41245	2073	101	97	0	22	20	0	240	3
41610	2074	101	97	0	22	20	0	240	3
41975	2075	101	97	0	22	20	0	240	3
42340	2076	101	97	0	22	20	0	240	3
42705	2077	101	97	0	22	20	0	240	3
43070	2078	101	97	0	22	20	0	240	3
43435	2079	101	97	0	22	20	0	240	3
43800	2080	101	97	0	22	20	0	240	3
44165	2081	101	97	0	22	20	0	240	3
44530	2082	101	97	0	22	20	0	240	3
44895	2083	101	97	0	22	20	0	240	3
45260	2084	101	97	0	22	20	0	240	3
45625	2085	101	97	0	22	20	0	240	3
45990	2086	101	97	0	22	20	0	240	3
46355	2087	101	97	0	22	20	0	240	3
46720	2088	101	97	0	22	20	0	240	3
47085	2089	101	97	0	22	20	0	240	3
47450	2090	101	97	0	22	20	0	240	3
47815	2091	101	97	0	22	20	0	240	3
48180	2092	101	97	0	22	20	0	240	3
48545	2093	101	97	0	22	20	0	240	3
48910	2094	101	97	0	22	20	0	240	3
49275	2095	101	97	0	22	20	0	240	3
49640	2096	101	97	0	22	20	0	240	3
50005	2097	101	97	0	22	20	0	240	3
50370	2098	101	97	0	22	20	0	240	3
50735	2099	101	97	0	22	20	0	240	3
51100	2100	101	97	0	22	20	0	240	3
51465	2101	101	97	0	22	20	0	240	3
51830	2102	101	97	0	22	20	0	240	3
52195	2103	101	97	0	22	20	0	240	3
52560	2104	101	97	0	22	20	0	240	3
52925	2105	101	97	0	22	20	0	240	3
53290	2106	101	97	0	22	20	0	240	3

B-5(S3C). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	1.7	3.2	0.0	1.4	1.3	0.1	7.6
730	1962	1.8	3.4	0.0	1.5	1.3	0.1	8.1
1095	1963	1.9	3.4	0.0	1.5	1.4	0.1	8.3
1460	1964	2.0	3.6	0.0	1.6	1.4	0.1	8.7
1825	1965	2.0	3.6	0.0	1.6	1.4	0.1	8.9
2190	1966	2.1	4.3	0.0	1.7	1.6	0.1	9.9
2555	1967	2.2	4.4	0.0	1.9	1.7	0.1	10.4
2920	1968	2.3	4.6	0.0	2.0	1.7	0.1	10.8
3285	1969	2.4	4.6	0.0	2.0	1.8	0.1	11.0
3650	1970	2.5	4.8	0.0	2.1	1.8	0.2	11.4
4015	1971	2.5	4.9	0.0	2.1	1.8	0.2	11.5
4380	1972	2.5	4.6	0.0	2.1	1.7	0.1	11.1
4745	1973	2.4	4.6	0.0	2.1	1.7	0.1	10.9
5110	1974	2.3	4.2	0.0	2.0	1.6	0.1	10.3
5475	1975	2.2	4.2	0.0	1.9	1.6	0.1	10.1
5840	1976	2.2	4.2	0.0	1.9	1.6	0.1	10.0
6205	1977	2.2	4.2	0.0	1.9	1.6	0.1	9.9
6570	1978	2.1	4.1	0.0	1.9	1.6	0.1	9.9
6935	1979	2.1	4.1	0.0	1.8	1.6	0.1	9.9
7300	1980	2.1	4.1	0.0	1.8	1.6	0.1	9.8
7665	1981	2.1	4.1	0.0	1.8	1.6	0.1	9.8
8030	1982	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8395	1983	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8760	1984	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9125	1985	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9490	1986	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9855	1987	2.1	4.0	0.0	1.8	1.6	0.1	9.6
10220	1988	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10585	1989	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10950	1990	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11315	1991	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11680	1992	2.0	3.9	0.0	1.8	1.5	0.1	9.4
12045	1993	2.0	3.9	0.0	1.7	1.5	0.1	9.3
12410	1994	2.0	3.9	0.0	1.7	1.5	0.1	9.2
12775	1995	2.0	3.9	0.0	1.7	1.5	0.1	9.2
13140	1996	1.9	3.8	0.0	1.7	1.5	0.1	9.0
13505	1997	1.9	3.7	0.0	1.7	1.5	0.1	8.9
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	1.9	3.6	0.0	1.7	1.4	0.1	8.7
14235	1999	1.9	3.6	0.0	1.6	1.4	0.1	8.6
14600	2000	1.8	3.5	0.0	1.6	1.4	0.1	8.4
14965	2001	1.8	3.5	0.0	1.6	1.4	0.1	8.4
15330	2002	1.8	3.4	0.0	1.6	1.3	0.1	8.2
15695	2003	1.8	3.3	0.0	1.5	1.3	0.1	8.1
16060	2004	1.7	3.2	0.0	1.5	1.3	0.1	7.9
16425	2005	1.7	3.2	0.0	1.5	1.3	0.1	7.8
16790	2006	1.7	3.1	0.0	1.5	1.2	0.1	7.6
17155	2007	1.7	3.0	0.0	1.4	1.2	0.1	7.5
17520	2008	1.6	3.0	0.0	1.4	1.2	0.1	7.3
17885	2009	1.6	2.9	0.0	1.4	1.2	0.1	7.2
18250	2010	1.6	2.8	0.0	1.3	1.1	0.1	7.0
18615	2011	1.6	2.8	0.0	1.3	1.1	0.1	6.8
18980	2012	1.5	2.7	0.0	1.3	1.1	0.1	6.7
19345	2013	1.5	2.6	0.0	1.3	1.1	0.1	6.6
19710	2014	1.5	2.6	0.0	1.2	1.1	0.1	6.4
20075	2015	1.4	2.4	0.0	1.2	1.0	0.0	6.1
20440	2016	1.4	2.4	0.0	1.2	1.0	0.0	5.9
20805	2017	1.3	2.2	0.0	1.1	0.9	0.0	5.6
21170	2018	1.3	2.2	0.0	1.1	0.9	0.0	5.4
21535	2019	1.2	2.0	0.0	1.0	0.8	0.0	5.0
21900	2020	1.1	1.9	0.0	1.0	0.8	0.0	4.9
22265	2021	1.1	1.8	0.0	0.9	0.7	0.0	4.5
22630	2022	1.0	1.8	0.0	0.9	0.7	0.0	4.4
22995	2023	0.9	1.6	0.0	0.8	0.7	0.0	4.0
23360	2024	0.9	1.6	0.0	0.8	0.7	0.0	3.9
23725	2025	0.9	1.5	0.0	0.7	0.7	0.0	3.8
24090	2026	0.9	1.5	0.0	0.7	0.6	0.0	3.8
24455	2027	0.8	1.4	0.0	0.7	0.6	0.0	3.5
24820	2028	0.8	1.4	0.0	0.7	0.6	0.0	3.4
25185	2029	0.7	1.2	0.0	0.6	0.5	0.0	3.1
25550	2030	0.7	1.2	0.0	0.6	0.5	0.0	3.0
25915	2031	0.6	1.0	0.0	0.5	0.4	0.0	2.6
26280	2032	0.6	1.0	0.0	0.5	0.4	0.0	2.5
26645	2033	0.5	1.0	0.0	0.5	0.4	0.0	2.4
27010	2034	0.5	1.0	0.0	0.5	0.4	0.0	2.4
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

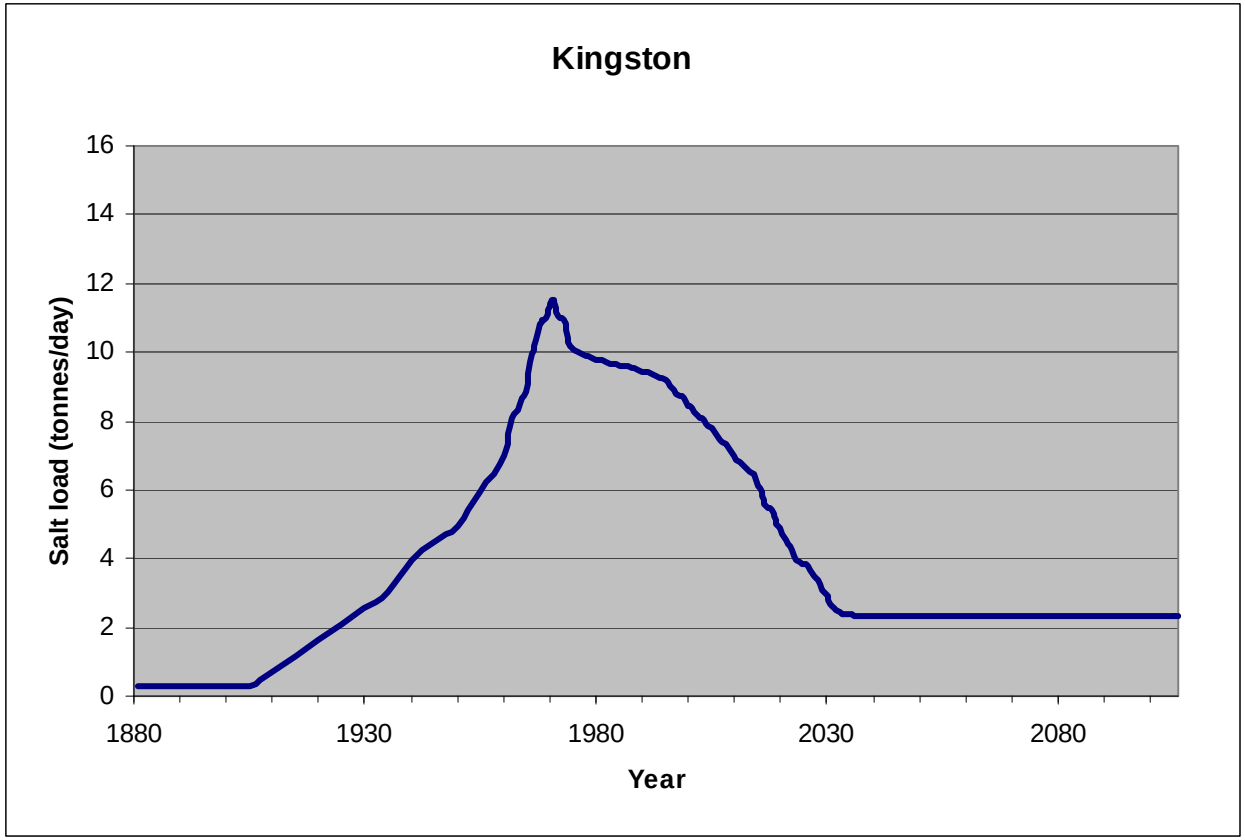
B-5(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.5	1.0	0.0	0.5	0.4	0.0	2.4
27740	2036	0.5	1.0	0.0	0.4	0.4	0.0	2.3
28105	2037	0.5	1.0	0.0	0.4	0.4	0.0	2.3
28470	2038	0.5	1.0	0.0	0.4	0.4	0.0	2.3
28835	2039	0.5	1.0	0.0	0.4	0.4	0.0	2.3
29200	2040	0.5	1.0	0.0	0.4	0.4	0.0	2.3
29565	2041	0.5	1.0	0.0	0.4	0.4	0.0	2.3
29930	2042	0.5	1.0	0.0	0.4	0.4	0.0	2.3
30295	2043	0.5	1.0	0.0	0.4	0.4	0.0	2.3
30660	2044	0.5	1.0	0.0	0.4	0.4	0.0	2.3
31025	2045	0.5	1.0	0.0	0.4	0.4	0.0	2.3
31390	2046	0.5	1.0	0.0	0.4	0.4	0.0	2.3
31755	2047	0.5	1.0	0.0	0.4	0.4	0.0	2.3
32120	2048	0.5	1.0	0.0	0.4	0.4	0.0	2.3
32485	2049	0.5	1.0	0.0	0.4	0.4	0.0	2.3
32850	2050	0.5	1.0	0.0	0.4	0.4	0.0	2.3
33215	2051	0.5	1.0	0.0	0.4	0.4	0.0	2.3
33580	2052	0.5	1.0	0.0	0.4	0.4	0.0	2.3
33945	2053	0.5	1.0	0.0	0.4	0.4	0.0	2.3
34310	2054	0.5	1.0	0.0	0.4	0.4	0.0	2.3
34675	2055	0.5	1.0	0.0	0.4	0.4	0.0	2.3
35040	2056	0.5	1.0	0.0	0.4	0.4	0.0	2.3
35405	2057	0.5	1.0	0.0	0.4	0.4	0.0	2.3
35770	2058	0.5	1.0	0.0	0.4	0.4	0.0	2.3
36135	2059	0.5	1.0	0.0	0.4	0.4	0.0	2.3
36500	2060	0.5	1.0	0.0	0.4	0.4	0.0	2.3
36865	2061	0.5	1.0	0.0	0.4	0.4	0.0	2.3
37230	2062	0.5	1.0	0.0	0.4	0.4	0.0	2.3
37595	2063	0.5	1.0	0.0	0.4	0.4	0.0	2.3
37960	2064	0.5	1.0	0.0	0.4	0.4	0.0	2.3
38325	2065	0.5	1.0	0.0	0.4	0.4	0.0	2.3
38690	2066	0.5	1.0	0.0	0.4	0.4	0.0	2.3
39055	2067	0.5	1.0	0.0	0.4	0.4	0.0	2.3
39420	2068	0.5	1.0	0.0	0.4	0.4	0.0	2.3
39785	2069	0.5	1.0	0.0	0.4	0.4	0.0	2.3
40150	2070	0.5	1.0	0.0	0.4	0.4	0.0	2.3
40515	2071	0.5	1.0	0.0	0.4	0.4	0.0	2.3
Salinity (mg/L)		*5,000*	*10,000*	*5,000*	*20,000*	*20,000*	*20,000*	

B-5(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.5	1.0	0.0	0.4	0.4	0.0	2.3
41245	2073	0.5	1.0	0.0	0.4	0.4	0.0	2.3
41610	2074	0.5	1.0	0.0	0.4	0.4	0.0	2.3
41975	2075	0.5	1.0	0.0	0.4	0.4	0.0	2.3
42340	2076	0.5	1.0	0.0	0.4	0.4	0.0	2.3
42705	2077	0.5	1.0	0.0	0.4	0.4	0.0	2.3
43070	2078	0.5	1.0	0.0	0.4	0.4	0.0	2.3
43435	2079	0.5	1.0	0.0	0.4	0.4	0.0	2.3
43800	2080	0.5	1.0	0.0	0.4	0.4	0.0	2.3
44165	2081	0.5	1.0	0.0	0.4	0.4	0.0	2.3
44530	2082	0.5	1.0	0.0	0.4	0.4	0.0	2.3
44895	2083	0.5	1.0	0.0	0.4	0.4	0.0	2.3
45260	2084	0.5	1.0	0.0	0.4	0.4	0.0	2.3
45625	2085	0.5	1.0	0.0	0.4	0.4	0.0	2.3
45990	2086	0.5	1.0	0.0	0.4	0.4	0.0	2.3
46355	2087	0.5	1.0	0.0	0.4	0.4	0.0	2.3
46720	2088	0.5	1.0	0.0	0.4	0.4	0.0	2.3
47085	2089	0.5	1.0	0.0	0.4	0.4	0.0	2.3
47450	2090	0.5	1.0	0.0	0.4	0.4	0.0	2.3
47815	2091	0.5	1.0	0.0	0.4	0.4	0.0	2.3
48180	2092	0.5	1.0	0.0	0.4	0.4	0.0	2.3
48545	2093	0.5	1.0	0.0	0.4	0.4	0.0	2.3
48910	2094	0.5	1.0	0.0	0.4	0.4	0.0	2.3
49275	2095	0.5	1.0	0.0	0.4	0.4	0.0	2.3
49640	2096	0.5	1.0	0.0	0.4	0.4	0.0	2.3
50005	2097	0.5	1.0	0.0	0.4	0.4	0.0	2.3
50370	2098	0.5	1.0	0.0	0.4	0.4	0.0	2.3
50735	2099	0.5	1.0	0.0	0.4	0.4	0.0	2.3
51100	2100	0.5	1.0	0.0	0.4	0.4	0.0	2.3
51465	2101	0.5	1.0	0.0	0.4	0.4	0.0	2.3
51830	2102	0.5	1.0	0.0	0.4	0.4	0.0	2.3
52195	2103	0.5	1.0	0.0	0.4	0.4	0.0	2.3
52560	2104	0.5	1.0	0.0	0.4	0.4	0.0	2.3
52925	2105	0.5	1.0	0.0	0.4	0.4	0.0	2.3
53290	2106	0.5	1.0	0.0	0.4	0.4	0.0	2.3
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S3C). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3C)



B-5(S3C). Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 3C)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1961	343	317	4	69	63	5	800	9
730	1962	365	337	4	73	67	5	851	10
1095	1963	379	343	4	77	68	5	875	10
1460	1964	395	358	5	80	70	6	914	11
1825	1965	405	363	5	82	71	6	931	11
2190	1966	425	428	5	87	82	6	1035	12
2555	1967	445	442	6	93	84	7	1077	12
2920	1968	468	460	6	98	87	7	1126	13
3285	1969	481	465	6	101	88	7	1148	13
3650	1970	497	481	7	104	91	8	1187	14
4015	1971	506	485	7	107	91	8	1204	14
4380	1972	491	458	6	105	87	7	1154	13
4745	1973	483	456	6	103	87	7	1141	13
5110	1974	458	425	5	100	82	6	1076	12
5475	1975	445	421	5	96	81	6	1054	12
5840	1976	436	417	5	94	80	6	1038	12
6205	1977	432	416	5	93	80	6	1032	12
6570	1978	428	414	5	93	80	6	1025	12
6935	1979	426	414	5	92	80	6	1023	12
7300	1980	423	411	5	92	79	6	1016	12
7665	1981	422	410	5	92	79	6	1014	12
8030	1982	419	407	5	91	79	6	1007	12
8395	1983	418	407	5	91	79	6	1005	12
8760	1984	415	404	5	90	78	6	999	12
9125	1985	414	404	5	90	78	6	997	12
9490	1986	412	402	5	90	78	6	992	11
9855	1987	411	403	5	90	78	6	992	11
10220	1988	408	400	5	89	78	6	986	11
10585	1989	407	400	5	89	78	6	984	11
10950	1990	405	397	4	89	77	6	977	11
11315	1991	403	396	4	88	77	6	975	11
11680	1992	401	393	4	88	76	6	968	11
12045	1993	399	392	4	87	76	6	965	11
12410	1994	396	387	4	87	76	6	955	11
12775	1995	393	385	4	86	75	6	950	11
13140	1996	389	375	4	85	73	5	932	11
13505	1997	385	373	4	84	73	5	925	11
13870	1998	380	363	4	83	71	5	906	10

B-5(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
14235	**1999**	376	360	4	82	71	5	**897**	***10***
14600	**2000**	370	349	4	80	69	5	**877**	***10***
14965	**2001**	366	347	4	79	69	5	**868**	***10***
15330	**2002**	360	336	4	78	67	5	**849**	***10***
15695	**2003**	356	334	4	77	66	5	**840**	***10***
16060	**2004**	350	324	3	75	65	4	**821**	***10***
16425	**2005**	346	321	3	74	64	4	**813**	***9***
16790	**2006**	340	311	3	73	62	4	**794**	***9***
17155	**2007**	334	305	3	72	61	4	**778**	***9***
17520	**2008**	329	297	3	70	60	4	**763**	***9***
17885	**2009**	323	291	3	69	59	4	**747**	***9***
18250	**2010**	318	283	3	67	57	4	**731**	***8***
18615	**2011**	311	276	3	66	56	3	**715**	***8***
18980	**2012**	306	271	3	65	55	3	**703**	***8***
19345	**2013**	301	265	3	63	54	3	**688**	***8***
19710	**2014**	296	259	3	62	53	3	**676**	***8***
20075	**2015**	283	242	2	60	50	2	**639**	***7***
20440	**2016**	275	237	2	58	49	2	**623**	***7***
20805	**2017**	260	220	2	55	45	2	**584**	***7***
21170	**2018**	251	215	2	53	45	2	**567**	***7***
21535	**2019**	236	199	1	50	41	1	**529**	***6***
21900	**2020**	227	195	1	48	41	1	**513**	***6***
22265	**2021**	217	185	1	46	38	1	**488**	***6***
22630	**2022**	211	182	1	44	38	1	**478**	***6***
22995	**2023**	198	167	1	43	35	1	**444**	***5***
23360	**2024**	191	164	1	41	34	1	**432**	***5***
23725	**2025**	187	163	1	39	34	1	**424**	***5***
24090	**2026**	184	162	1	39	34	1	**420**	***5***
24455	**2027**	173	148	1	37	31	0	**390**	***5***
24820	**2028**	167	145	1	36	30	0	**379**	***4***
25185	**2029**	154	130	0	34	27	0	**346**	***4***
25550	**2030**	147	127	0	32	27	0	**333**	***4***
25915	**2031**	134	121	0	30	25	0	**311**	***4***
26280	**2032**	127	123	0	28	26	0	**305**	***4***
26645	**2033**	124	128	1	27	27	0	**308**	***4***
27010	**2034**	123	130	1	27	27	1	**309**	***4***

B-5(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
27375	2035	122	132	1	27	28	1	**311**	*4*
27740	2036	123	133	1	27	28	1	**312**	*4*
28105	2037	124	133	1	28	28	1	**314**	*4*
28470	2038	124	133	1	28	28	1	**315**	*4*
28835	2039	127	135	1	28	28	1	**320**	*4*
29200	2040	128	136	1	29	29	1	**323**	*4*
29565	2041	129	136	1	29	29	1	**325**	*4*
29930	2042	129	137	1	29	29	1	**326**	*4*
30295	2043	130	137	1	29	29	1	**327**	*4*
30660	2044	130	137	1	29	29	1	**328**	*4*
31025	2045	130	138	1	29	29	1	**329**	*4*
31390	2046	130	138	1	29	29	1	**329**	*4*
31755	2047	130	138	1	29	29	2	**330**	*4*
32120	2048	131	138	1	29	29	2	**331**	*4*
32485	2049	131	139	1	29	29	2	**331**	*4*
32850	2050	131	139	1	29	29	2	**331**	*4*
33215	2051	131	139	1	29	30	2	**332**	*4*
33580	2052	131	139	1	30	30	2	**332**	*4*
33945	2053	131	139	1	30	30	2	**333**	*4*
34310	2054	131	139	2	30	30	2	**333**	*4*
34675	2055	131	140	2	30	30	2	**334**	*4*
35040	2056	131	140	2	30	30	2	**334**	*4*
35405	2057	131	140	2	30	30	2	**334**	*4*
35770	2058	131	140	2	30	30	2	**335**	*4*
36135	2059	131	140	2	30	30	2	**335**	*4*
36500	2060	131	140	2	30	30	3	**335**	*4*
36865	2061	131	140	2	30	30	3	**336**	*4*
37230	2062	131	140	2	30	30	3	**336**	*4*
37595	2063	131	141	2	30	30	3	**336**	*4*
37960	2064	131	141	2	30	30	3	**336**	*4*
38325	2065	131	141	2	30	30	3	**337**	*4*
38690	2066	131	141	2	30	30	3	**337**	*4*
39055	2067	131	141	2	30	30	3	**337**	*4*
39420	2068	131	141	2	30	30	3	**337**	*4*
39785	2069	132	141	2	30	30	3	**337**	*4*
40150	2070	132	141	2	30	30	3	**338**	*4*

B-5(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
40515	2071	132	141	2	30	30	3	**338**	*4*
40880	2072	132	141	2	30	30	3	**338**	*4*
41245	2073	132	141	2	30	30	3	**338**	*4*
41610	2074	132	141	2	30	30	3	**338**	*4*
41975	2075	132	142	2	30	30	3	**338**	*4*
42340	2076	132	142	2	30	30	3	**339**	*4*
42705	2077	132	142	2	30	30	3	**339**	*4*
43070	2078	132	142	2	30	30	3	**339**	*4*
43435	2079	132	142	2	30	30	3	**339**	*4*
43800	2080	132	142	2	30	30	3	**339**	*4*
44165	2081	132	142	2	30	30	3	**339**	*4*
44530	2082	132	142	2	30	30	3	**339**	*4*
44895	2083	132	142	2	30	30	3	**340**	*4*
45260	2084	132	142	2	30	30	3	**340**	*4*
45625	2085	132	142	2	30	30	3	**340**	*4*
45990	2086	132	142	2	30	30	3	**340**	*4*
46355	2087	132	142	2	30	30	3	**340**	*4*
46720	2088	132	142	2	30	31	3	**340**	*4*
47085	2089	132	142	2	30	31	3	**340**	*4*
47450	2090	132	142	2	30	31	3	**340**	*4*
47815	2091	132	142	2	30	31	3	**340**	*4*
48180	2092	132	142	2	30	31	3	**341**	*4*
48545	2093	132	143	2	30	31	3	**341**	*4*
48910	2094	132	143	2	30	31	3	**341**	*4*
49275	2095	132	143	2	30	31	3	**341**	*4*
49640	2096	132	143	2	30	31	3	**341**	*4*
50005	2097	132	143	2	30	31	3	**341**	*4*
50370	2098	132	143	2	30	31	3	**341**	*4*
50735	2099	132	143	2	30	31	3	**341**	*4*
51100	2100	132	143	2	30	31	3	**341**	*4*
51465	2101	132	143	2	30	31	3	**341**	*4*
51830	2102	132	143	2	30	31	3	**341**	*4*
52195	2103	132	143	2	30	31	3	**342**	*4*
52560	2104	132	143	2	30	31	3	**342**	*4*
52925	2105	132	143	2	30	31	4	**342**	*4*
53290	2106	132	143	2	30	31	4	**342**	*4*

B-5(S4). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	1.7	3.2	0.0	1.4	1.3	0.1	7.6
730	1962	1.8	3.4	0.0	1.5	1.3	0.1	8.1
1095	1963	1.9	3.4	0.0	1.5	1.4	0.1	8.3
1460	1964	2.0	3.6	0.0	1.6	1.4	0.1	8.7
1825	1965	2.0	3.6	0.0	1.6	1.4	0.1	8.9
2190	1966	2.1	4.3	0.0	1.7	1.6	0.1	9.9
2555	1967	2.2	4.4	0.0	1.9	1.7	0.1	10.4
2920	1968	2.3	4.6	0.0	2.0	1.7	0.1	10.8
3285	1969	2.4	4.6	0.0	2.0	1.8	0.1	11.0
3650	1970	2.5	4.8	0.0	2.1	1.8	0.2	11.4
4015	1971	2.5	4.9	0.0	2.1	1.8	0.2	11.5
4380	1972	2.5	4.6	0.0	2.1	1.7	0.1	11.1
4745	1973	2.4	4.6	0.0	2.1	1.7	0.1	10.9
5110	1974	2.3	4.2	0.0	2.0	1.6	0.1	10.3
5475	1975	2.2	4.2	0.0	1.9	1.6	0.1	10.1
5840	1976	2.2	4.2	0.0	1.9	1.6	0.1	10.0
6205	1977	2.2	4.2	0.0	1.9	1.6	0.1	9.9
6570	1978	2.1	4.1	0.0	1.9	1.6	0.1	9.9
6935	1979	2.1	4.1	0.0	1.8	1.6	0.1	9.9
7300	1980	2.1	4.1	0.0	1.8	1.6	0.1	9.8
7665	1981	2.1	4.1	0.0	1.8	1.6	0.1	9.8
8030	1982	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8395	1983	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8760	1984	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9125	1985	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9490	1986	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9855	1987	2.1	4.0	0.0	1.8	1.6	0.1	9.6
10220	1988	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10585	1989	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10950	1990	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11315	1991	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11680	1992	2.0	3.9	0.0	1.8	1.5	0.1	9.4
12045	1993	2.0	3.9	0.0	1.7	1.5	0.1	9.3
12410	1994	2.0	3.9	0.0	1.7	1.5	0.1	9.2
12775	1995	2.0	3.9	0.0	1.7	1.5	0.1	9.2
13140	1996	1.9	3.8	0.0	1.7	1.5	0.1	9.0
13505	1997	1.9	3.7	0.0	1.7	1.5	0.1	8.9
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S4). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	1.9	3.6	0.0	1.7	1.4	0.1	8.7
14235	1999	1.9	3.6	0.0	1.6	1.4	0.1	8.6
14600	2000	1.8	3.5	0.0	1.6	1.4	0.1	8.4
14965	2001	1.8	3.5	0.0	1.6	1.4	0.1	8.4
15330	2002	1.8	3.4	0.0	1.6	1.3	0.1	8.2
15695	2003	1.8	3.3	0.0	1.5	1.3	0.1	8.1
16060	2004	1.7	3.2	0.0	1.5	1.3	0.1	7.9
16425	2005	1.7	3.2	0.0	1.5	1.3	0.1	7.8
16790	2006	1.7	3.1	0.0	1.5	1.2	0.1	7.6
17155	2007	1.7	3.0	0.0	1.4	1.2	0.1	7.5
17520	2008	1.6	3.0	0.0	1.4	1.2	0.1	7.3
17885	2009	1.6	2.9	0.0	1.4	1.2	0.1	7.2
18250	2010	1.6	2.8	0.0	1.3	1.1	0.1	7.0
18615	2011	1.6	2.8	0.0	1.3	1.1	0.1	6.8
18980	2012	1.5	2.7	0.0	1.3	1.1	0.1	6.7
19345	2013	1.5	2.6	0.0	1.3	1.1	0.1	6.6
19710	2014	1.5	2.6	0.0	1.2	1.1	0.1	6.4
20075	2015	1.4	2.4	0.0	1.2	1.0	0.0	6.1
20440	2016	1.4	2.4	0.0	1.2	1.0	0.0	5.9
20805	2017	1.3	2.2	0.0	1.1	0.9	0.0	5.6
21170	2018	1.3	2.2	0.0	1.1	0.9	0.0	5.4
21535	2019	1.2	2.0	0.0	1.0	0.8	0.0	5.0
21900	2020	1.1	2.0	0.0	1.0	0.8	0.0	4.9
22265	2021	1.1	1.8	0.0	0.9	0.8	0.0	4.6
22630	2022	1.1	1.8	0.0	0.9	0.8	0.0	4.6
22995	2023	1.0	1.7	0.0	0.9	0.7	0.0	4.2
23360	2024	1.0	1.6	0.0	0.8	0.7	0.0	4.1
23725	2025	0.9	1.6	0.0	0.8	0.7	0.0	4.0
24090	2026	0.9	1.6	0.0	0.8	0.7	0.0	4.0
24455	2027	0.9	1.5	0.0	0.7	0.6	0.0	3.7
24820	2028	0.8	1.5	0.0	0.7	0.6	0.0	3.6
25185	2029	0.8	1.3	0.0	0.7	0.5	0.0	3.3
25550	2030	0.7	1.3	0.0	0.6	0.5	0.0	3.2
25915	2031	0.7	1.2	0.0	0.6	0.5	0.0	3.0
26280	2032	0.6	1.2	0.0	0.6	0.5	0.0	3.0
26645	2033	0.6	1.3	0.0	0.5	0.5	0.0	3.0
27010	2034	0.6	1.3	0.0	0.5	0.5	0.0	3.0
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

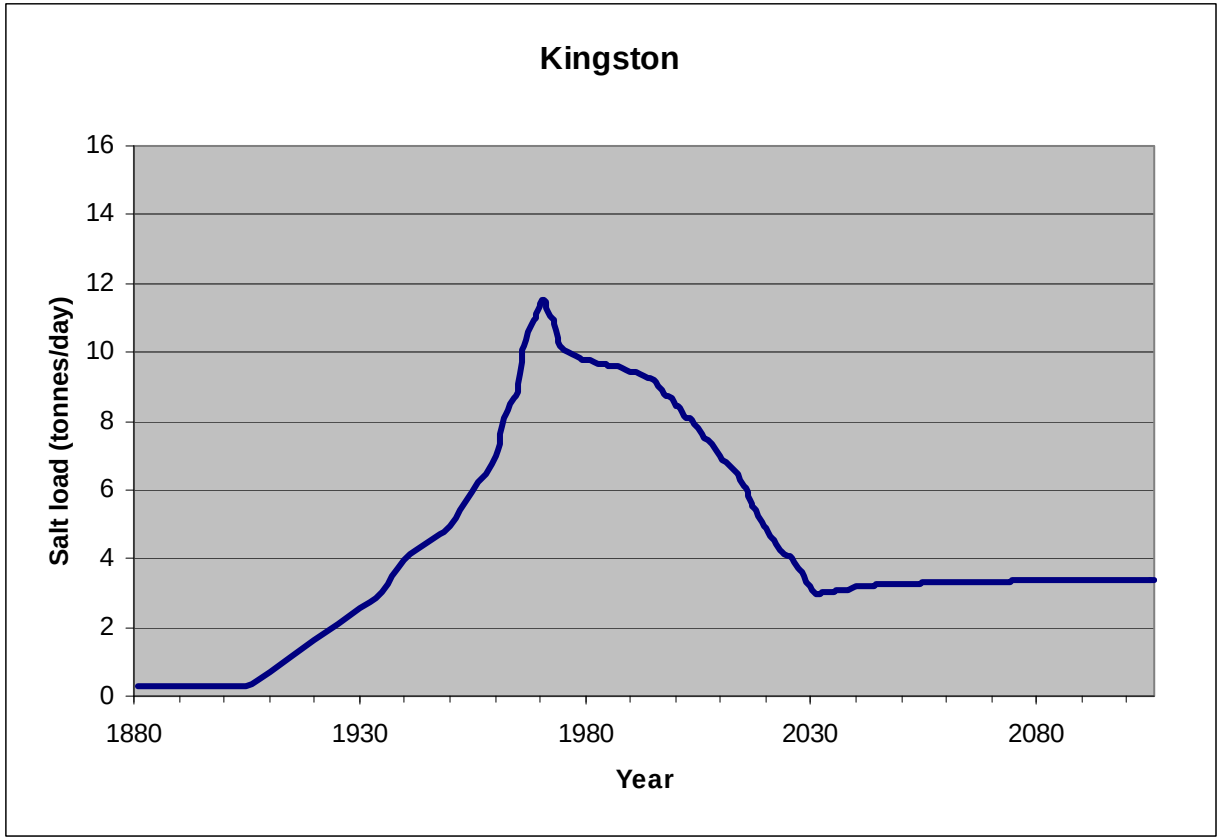
B-5(S4). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.6	1.3	0.0	0.5	0.6	0.0	**3.0**
27740	2036	0.6	1.3	0.0	0.5	0.6	0.0	**3.1**
28105	2037	0.6	1.3	0.0	0.6	0.6	0.0	**3.1**
28470	2038	0.6	1.3	0.0	0.6	0.6	0.0	**3.1**
28835	2039	0.6	1.4	0.0	0.6	0.6	0.0	**3.1**
29200	2040	0.6	1.4	0.0	0.6	0.6	0.0	**3.2**
29565	2041	0.6	1.4	0.0	0.6	0.6	0.0	**3.2**
29930	2042	0.6	1.4	0.0	0.6	0.6	0.0	**3.2**
30295	2043	0.6	1.4	0.0	0.6	0.6	0.0	**3.2**
30660	2044	0.7	1.4	0.0	0.6	0.6	0.0	**3.2**
31025	2045	0.7	1.4	0.0	0.6	0.6	0.0	**3.2**
31390	2046	0.7	1.4	0.0	0.6	0.6	0.0	**3.2**
31755	2047	0.7	1.4	0.0	0.6	0.6	0.0	**3.2**
32120	2048	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
32485	2049	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
32850	2050	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
33215	2051	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
33580	2052	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
33945	2053	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
34310	2054	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
34675	2055	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
35040	2056	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
35405	2057	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
35770	2058	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
36135	2059	0.7	1.4	0.0	0.6	0.6	0.0	**3.3**
36500	2060	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
36865	2061	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
37230	2062	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
37595	2063	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
37960	2064	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
38325	2065	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
38690	2066	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
39055	2067	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
39420	2068	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
39785	2069	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
40150	2070	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
40515	2071	0.7	1.4	0.0	0.6	0.6	0.1	**3.3**
Salinity (mg/L)		***5,000***	***10,000***	***5,000***	***20,000***	***20,000***	***20,000***	

B-5(S4). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.7	1.4	0.0	0.6	0.6	0.1	3.3
41245	2073	0.7	1.4	0.0	0.6	0.6	0.1	3.3
41610	2074	0.7	1.4	0.0	0.6	0.6	0.1	3.3
41975	2075	0.7	1.4	0.0	0.6	0.6	0.1	3.3
42340	2076	0.7	1.4	0.0	0.6	0.6	0.1	3.3
42705	2077	0.7	1.4	0.0	0.6	0.6	0.1	3.4
43070	2078	0.7	1.4	0.0	0.6	0.6	0.1	3.4
43435	2079	0.7	1.4	0.0	0.6	0.6	0.1	3.4
43800	2080	0.7	1.4	0.0	0.6	0.6	0.1	3.4
44165	2081	0.7	1.4	0.0	0.6	0.6	0.1	3.4
44530	2082	0.7	1.4	0.0	0.6	0.6	0.1	3.4
44895	2083	0.7	1.4	0.0	0.6	0.6	0.1	3.4
45260	2084	0.7	1.4	0.0	0.6	0.6	0.1	3.4
45625	2085	0.7	1.4	0.0	0.6	0.6	0.1	3.4
45990	2086	0.7	1.4	0.0	0.6	0.6	0.1	3.4
46355	2087	0.7	1.4	0.0	0.6	0.6	0.1	3.4
46720	2088	0.7	1.4	0.0	0.6	0.6	0.1	3.4
47085	2089	0.7	1.4	0.0	0.6	0.6	0.1	3.4
47450	2090	0.7	1.4	0.0	0.6	0.6	0.1	3.4
47815	2091	0.7	1.4	0.0	0.6	0.6	0.1	3.4
48180	2092	0.7	1.4	0.0	0.6	0.6	0.1	3.4
48545	2093	0.7	1.4	0.0	0.6	0.6	0.1	3.4
48910	2094	0.7	1.4	0.0	0.6	0.6	0.1	3.4
49275	2095	0.7	1.4	0.0	0.6	0.6	0.1	3.4
49640	2096	0.7	1.4	0.0	0.6	0.6	0.1	3.4
50005	2097	0.7	1.4	0.0	0.6	0.6	0.1	3.4
50370	2098	0.7	1.4	0.0	0.6	0.6	0.1	3.4
50735	2099	0.7	1.4	0.0	0.6	0.6	0.1	3.4
51100	2100	0.7	1.4	0.0	0.6	0.6	0.1	3.4
51465	2101	0.7	1.4	0.0	0.6	0.6	0.1	3.4
51830	2102	0.7	1.4	0.0	0.6	0.6	0.1	3.4
52195	2103	0.7	1.4	0.0	0.6	0.6	0.1	3.4
52560	2104	0.7	1.4	0.0	0.6	0.6	0.1	3.4
52925	2105	0.7	1.4	0.0	0.6	0.6	0.1	3.4
53290	2106	0.7	1.4	0.0	0.6	0.6	0.1	3.4
Salinity (mg/L)		*5,000*	*10,000*	*5,000*	*20,000*	*20,000*	*20,000*	

B-5(S4). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 4)



B-5(S4). Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 4)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
365	1961	343	317	4	69	63	5	800	9
730	1962	365	337	4	73	67	5	851	10
1095	1963	379	343	4	77	68	5	875	10
1460	1964	395	358	5	80	70	6	914	11
1825	1965	405	363	5	82	71	6	931	11
2190	1966	425	428	5	87	82	6	1035	12
2555	1967	445	442	6	93	84	7	1077	12
2920	1968	468	460	6	98	87	7	1126	13
3285	1969	481	465	6	101	88	7	1148	13
3650	1970	497	481	7	104	91	8	1187	14
4015	1971	506	485	7	107	91	8	1204	14
4380	1972	491	458	6	105	87	7	1154	13
4745	1973	483	456	6	103	87	7	1141	13
5110	1974	458	425	5	100	82	6	1076	12
5475	1975	445	421	5	96	81	6	1054	12
5840	1976	436	417	5	94	80	6	1038	12
6205	1977	432	416	5	93	80	6	1032	12
6570	1978	428	414	5	93	80	6	1025	12
6935	1979	426	414	5	92	80	6	1023	12
7300	1980	423	411	5	92	79	6	1016	12
7665	1981	422	410	5	92	79	6	1014	12
8030	1982	419	407	5	91	79	6	1007	12
8395	1983	418	407	5	91	79	6	1005	12
8760	1984	415	404	5	90	78	6	999	12
9125	1985	414	404	5	90	78	6	997	12
9490	1986	412	402	5	90	78	6	992	11
9855	1987	411	403	5	90	78	6	992	11
10220	1988	408	400	5	89	78	6	986	11
10585	1989	407	400	5	89	78	6	984	11
10950	1990	405	397	4	89	77	6	977	11
11315	1991	403	396	4	88	77	6	975	11
11680	1992	401	393	4	88	76	6	968	11
12045	1993	399	392	4	87	76	6	965	11
12410	1994	396	387	4	87	76	6	955	11
12775	1995	393	385	4	86	75	6	950	11
13140	1996	389	375	4	85	73	5	932	11
13505	1997	385	373	4	84	73	5	925	11
13870	1998	380	363	4	83	71	5	906	10

B-5(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
14235	**1999**	376	360	4	82	71	5	**897**	***10***
14600	**2000**	370	349	4	80	69	5	**877**	***10***
14965	**2001**	366	347	4	79	69	5	**868**	***10***
15330	**2002**	360	336	4	78	67	5	**849**	***10***
15695	**2003**	356	334	4	77	66	5	**840**	***10***
16060	**2004**	350	324	3	75	65	4	**821**	***10***
16425	**2005**	346	321	3	74	64	4	**813**	***9***
16790	**2006**	340	311	3	73	62	4	**794**	***9***
17155	**2007**	334	305	3	72	61	4	**778**	***9***
17520	**2008**	329	297	3	70	60	4	**763**	***9***
17885	**2009**	323	291	3	69	59	4	**747**	***9***
18250	**2010**	318	283	3	67	57	4	**731**	***8***
18615	**2011**	311	276	3	66	56	3	**715**	***8***
18980	**2012**	306	271	3	65	55	3	**703**	***8***
19345	**2013**	301	265	3	63	54	3	**688**	***8***
19710	**2014**	296	259	3	62	53	3	**676**	***8***
20075	**2015**	283	242	2	60	50	2	**639**	***7***
20440	**2016**	275	237	2	58	49	2	**623**	***7***
20805	**2017**	260	220	2	55	45	2	**584**	***7***
21170	**2018**	251	215	2	53	45	2	**567**	***7***
21535	**2019**	236	199	1	50	41	1	**529**	***6***
21900	**2020**	227	195	1	48	41	1	**513**	***6***
22265	**2021**	217	185	1	46	38	1	**488**	***6***
22630	**2022**	211	182	1	44	38	1	**478**	***6***
22995	**2023**	198	167	1	43	35	1	**444**	***5***
23360	**2024**	191	164	1	41	34	1	**432**	***5***
23725	**2025**	187	163	1	39	34	1	**424**	***5***
24090	**2026**	184	162	1	39	34	1	**420**	***5***
24455	**2027**	173	148	1	37	31	0	**390**	***5***
24820	**2028**	167	145	1	36	30	0	**379**	***4***
25185	**2029**	154	130	0	34	27	0	**346**	***4***
25550	**2030**	147	127	0	32	27	0	**333**	***4***
25915	**2031**	134	121	0	30	25	0	**311**	***4***
26280	**2032**	127	123	0	28	26	0	**305**	***4***
26645	**2033**	124	128	1	27	27	0	**308**	***4***
27010	**2034**	123	130	1	27	27	1	**309**	***4***

B-5(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
27375	2035	122	132	1	27	28	1	**311**	*4*
27740	2036	123	133	1	27	28	1	**312**	*4*
28105	2037	124	134	1	28	28	1	**315**	*4*
28470	2038	125	135	1	28	28	1	**318**	*4*
28835	2039	127	137	1	28	29	1	**323**	*4*
29200	2040	129	137	1	29	29	1	**327**	*4*
29565	2041	130	138	1	29	29	1	**329**	*4*
29930	2042	131	139	1	29	29	1	**330**	*4*
30295	2043	131	139	1	30	29	1	**331**	*4*
30660	2044	131	139	1	30	29	1	**332**	*4*
31025	2045	132	140	1	30	30	1	**333**	*4*
31390	2046	132	140	1	30	30	2	**334**	*4*
31755	2047	132	140	1	30	30	2	**334**	*4*
32120	2048	132	140	1	30	30	2	**335**	*4*
32485	2049	132	140	1	30	30	2	**335**	*4*
32850	2050	132	141	1	30	30	2	**336**	*4*
33215	2051	132	141	1	30	30	2	**336**	*4*
33580	2052	132	141	2	30	30	2	**337**	*4*
33945	2053	132	141	2	30	30	2	**337**	*4*
34310	2054	132	141	2	30	30	2	**338**	*4*
34675	2055	133	141	2	30	30	2	**338**	*4*
35040	2056	133	142	2	30	30	2	**338**	*4*
35405	2057	133	142	2	30	30	3	**339**	*4*
35770	2058	133	142	2	30	30	3	**339**	*4*
36135	2059	133	142	2	30	30	3	**340**	*4*
36500	2060	133	142	2	30	30	3	**340**	*4*
36865	2061	133	142	2	30	30	3	**340**	*4*
37230	2062	133	142	2	30	30	3	**341**	*4*
37595	2063	133	143	2	30	30	3	**341**	*4*
37960	2064	133	143	2	30	31	3	**341**	*4*
38325	2065	133	143	2	30	31	3	**341**	*4*
38690	2066	133	143	2	30	31	3	**342**	*4*
39055	2067	133	143	2	30	31	3	**342**	*4*
39420	2068	133	143	2	30	31	3	**342**	*4*
39785	2069	133	143	2	30	31	3	**342**	*4*
40150	2070	133	143	2	30	31	3	**342**	*4*

B-5(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 Flux (m^3/day)			Layer 3 Flux (m^3/day)			Total (m^3/day)	Total (L/s)
		Z1-Z19	Z1-Z20	Z1-Z21	Z3-Z19	Z3-Z20	Z3-Z21		
40515	**2071**	133	143	2	30	31	3	**343**	***4***
40880	**2072**	133	143	2	30	31	3	**343**	***4***
41245	**2073**	133	143	2	30	31	3	**343**	***4***
41610	**2074**	133	144	2	30	31	3	**343**	***4***
41975	**2075**	133	144	2	30	31	3	**343**	***4***
42340	**2076**	133	144	2	30	31	3	**344**	***4***
42705	**2077**	133	144	2	30	31	3	**344**	***4***
43070	**2078**	133	144	2	30	31	3	**344**	***4***
43435	**2079**	133	144	2	30	31	3	**344**	***4***
43800	**2080**	133	144	2	30	31	3	**344**	***4***
44165	**2081**	133	144	2	30	31	3	**344**	***4***
44530	**2082**	133	144	2	30	31	3	**344**	***4***
44895	**2083**	134	144	2	30	31	3	**345**	***4***
45260	**2084**	134	144	2	30	31	3	**345**	***4***
45625	**2085**	134	144	2	30	31	3	**345**	***4***
45990	**2086**	134	144	2	30	31	3	**345**	***4***
46355	**2087**	134	144	2	30	31	3	**345**	***4***
46720	**2088**	134	144	2	30	31	3	**345**	***4***
47085	**2089**	134	145	2	30	31	3	**345**	***4***
47450	**2090**	134	145	2	30	31	3	**345**	***4***
47815	**2091**	134	145	2	30	31	3	**345**	***4***
48180	**2092**	134	145	2	30	31	4	**346**	***4***
48545	**2093**	134	145	2	30	31	4	**346**	***4***
48910	**2094**	134	145	2	30	31	4	**346**	***4***
49275	**2095**	134	145	2	30	31	4	**346**	***4***
49640	**2096**	134	145	2	30	31	4	**346**	***4***
50005	**2097**	134	145	2	30	31	4	**346**	***4***
50370	**2098**	134	145	2	30	31	4	**346**	***4***
50735	**2099**	134	145	2	30	31	4	**346**	***4***
51100	**2100**	134	145	2	30	31	4	**346**	***4***
51465	**2101**	134	145	2	30	31	4	**346**	***4***
51830	**2102**	134	145	2	30	31	4	**347**	***4***
52195	**2103**	134	145	2	30	31	4	**347**	***4***
52560	**2104**	134	145	2	30	31	4	**347**	***4***
52925	**2105**	134	145	2	30	31	4	**347**	***4***
53290	**2106**	134	145	2	30	31	4	**347**	***4***

B-5(S5). Modelled groundwater flux entering the River Murray from flow budget zones in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
365	1961	1.7	3.2	0.0	1.4	1.3	0.1	7.6
730	1962	1.8	3.4	0.0	1.5	1.3	0.1	8.1
1095	1963	1.9	3.4	0.0	1.5	1.4	0.1	8.3
1460	1964	2.0	3.6	0.0	1.6	1.4	0.1	8.7
1825	1965	2.0	3.6	0.0	1.6	1.4	0.1	8.9
2190	1966	2.1	4.3	0.0	1.7	1.6	0.1	9.9
2555	1967	2.2	4.4	0.0	1.9	1.7	0.1	10.4
2920	1968	2.3	4.6	0.0	2.0	1.7	0.1	10.8
3285	1969	2.4	4.6	0.0	2.0	1.8	0.1	11.0
3650	1970	2.5	4.8	0.0	2.1	1.8	0.2	11.4
4015	1971	2.5	4.9	0.0	2.1	1.8	0.2	11.5
4380	1972	2.5	4.6	0.0	2.1	1.7	0.1	11.1
4745	1973	2.4	4.6	0.0	2.1	1.7	0.1	10.9
5110	1974	2.3	4.2	0.0	2.0	1.6	0.1	10.3
5475	1975	2.2	4.2	0.0	1.9	1.6	0.1	10.1
5840	1976	2.2	4.2	0.0	1.9	1.6	0.1	10.0
6205	1977	2.2	4.2	0.0	1.9	1.6	0.1	9.9
6570	1978	2.1	4.1	0.0	1.9	1.6	0.1	9.9
6935	1979	2.1	4.1	0.0	1.8	1.6	0.1	9.9
7300	1980	2.1	4.1	0.0	1.8	1.6	0.1	9.8
7665	1981	2.1	4.1	0.0	1.8	1.6	0.1	9.8
8030	1982	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8395	1983	2.1	4.1	0.0	1.8	1.6	0.1	9.7
8760	1984	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9125	1985	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9490	1986	2.1	4.0	0.0	1.8	1.6	0.1	9.6
9855	1987	2.1	4.0	0.0	1.8	1.6	0.1	9.6
10220	1988	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10585	1989	2.0	4.0	0.0	1.8	1.6	0.1	9.5
10950	1990	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11315	1991	2.0	4.0	0.0	1.8	1.5	0.1	9.4
11680	1992	2.0	3.9	0.0	1.8	1.5	0.1	9.4
12045	1993	2.0	3.9	0.0	1.7	1.5	0.1	9.3
12410	1994	2.0	3.9	0.0	1.7	1.5	0.1	9.2
12775	1995	2.0	3.9	0.0	1.7	1.5	0.1	9.2
13140	1996	1.9	3.8	0.0	1.7	1.5	0.1	9.0
13505	1997	1.9	3.7	0.0	1.7	1.5	0.1	8.9
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S5). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
13870	1998	1.9	3.6	0.0	1.7	1.4	0.1	8.7
14235	1999	1.9	3.6	0.0	1.6	1.4	0.1	8.6
14600	2000	1.8	3.5	0.0	1.6	1.4	0.1	8.4
14965	2001	1.8	3.5	0.0	1.6	1.4	0.1	8.4
15330	2002	1.8	3.4	0.0	1.6	1.3	0.1	8.2
15695	2003	1.8	3.3	0.0	1.5	1.3	0.1	8.1
16060	2004	1.7	3.2	0.0	1.5	1.3	0.1	7.9
16425	2005	1.7	3.2	0.0	1.5	1.3	0.1	7.8
16790	2006	1.7	3.1	0.0	1.5	1.2	0.1	7.6
17155	2007	1.7	3.0	0.0	1.4	1.2	0.1	7.5
17520	2008	1.6	3.0	0.0	1.4	1.2	0.1	7.3
17885	2009	1.6	2.9	0.0	1.4	1.2	0.1	7.2
18250	2010	1.6	2.8	0.0	1.3	1.1	0.1	7.0
18615	2011	1.6	2.8	0.0	1.3	1.1	0.1	6.8
18980	2012	1.5	2.7	0.0	1.3	1.1	0.1	6.7
19345	2013	1.5	2.6	0.0	1.3	1.1	0.1	6.6
19710	2014	1.5	2.6	0.0	1.2	1.1	0.1	6.4
20075	2015	1.4	2.4	0.0	1.2	1.0	0.0	6.1
20440	2016	1.4	2.4	0.0	1.2	1.0	0.0	5.9
20805	2017	1.3	2.2	0.0	1.1	0.9	0.0	5.6
21170	2018	1.3	2.2	0.0	1.1	0.9	0.0	5.4
21535	2019	1.2	2.0	0.0	1.0	0.8	0.0	5.0
21900	2020	1.1	2.0	0.0	1.0	0.8	0.0	4.9
22265	2021	1.1	1.8	0.0	0.9	0.8	0.0	4.6
22630	2022	1.1	1.8	0.0	0.9	0.8	0.0	4.6
22995	2023	1.0	1.7	0.0	0.9	0.7	0.0	4.2
23360	2024	1.0	1.6	0.0	0.8	0.7	0.0	4.1
23725	2025	0.9	1.6	0.0	0.8	0.7	0.0	4.0
24090	2026	0.9	1.6	0.0	0.8	0.7	0.0	4.0
24455	2027	0.9	1.5	0.0	0.7	0.6	0.0	3.7
24820	2028	0.8	1.5	0.0	0.7	0.6	0.0	3.6
25185	2029	0.8	1.3	0.0	0.7	0.5	0.0	3.3
25550	2030	0.7	1.3	0.0	0.6	0.5	0.0	3.2
25915	2031	0.7	1.2	0.0	0.6	0.5	0.0	3.0
26280	2032	0.6	1.2	0.0	0.6	0.5	0.0	3.0
26645	2033	0.6	1.3	0.0	0.5	0.5	0.0	3.0
27010	2034	0.6	1.3	0.0	0.5	0.5	0.0	3.0
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

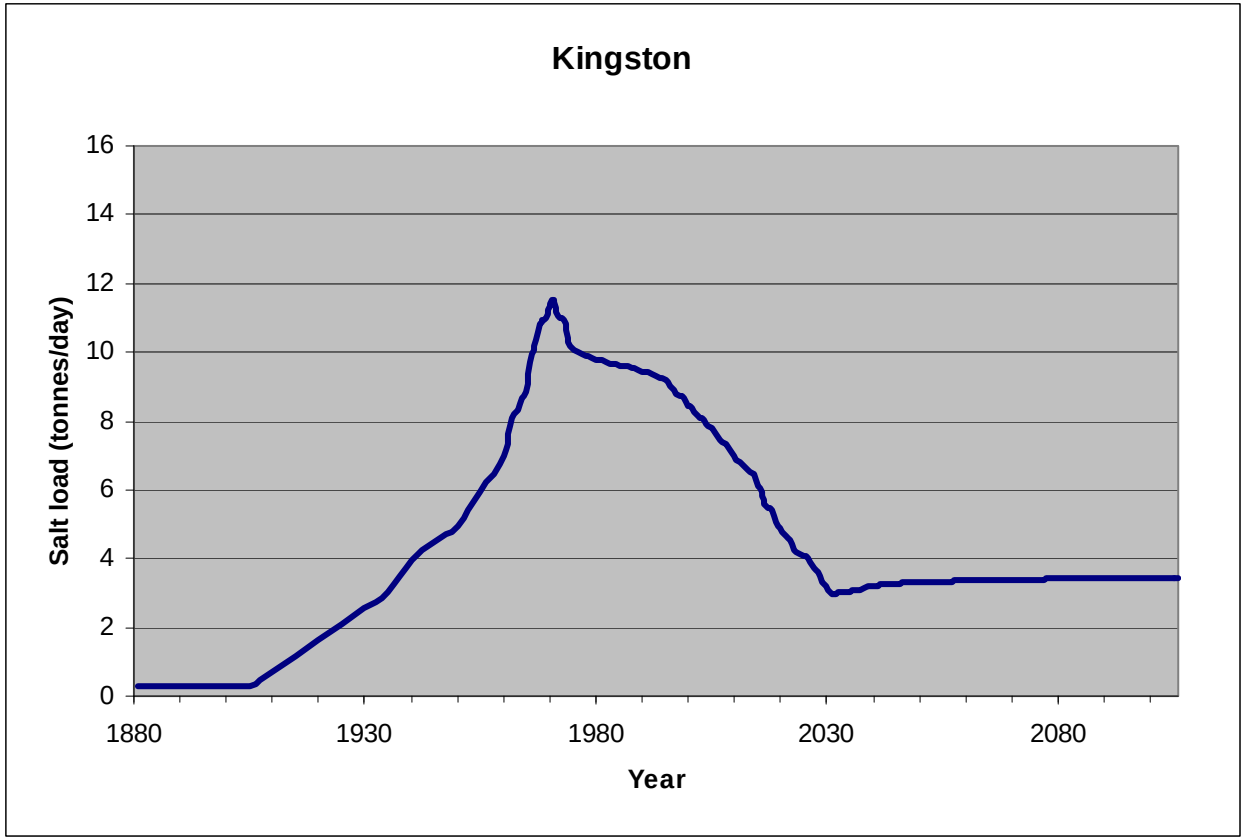
B-5(S5). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
27375	2035	0.6	1.3	0.0	0.5	0.6	0.0	3.0
27740	2036	0.6	1.3	0.0	0.5	0.6	0.0	3.1
28105	2037	0.6	1.3	0.0	0.6	0.6	0.0	3.1
28470	2038	0.6	1.3	0.0	0.6	0.6	0.0	3.1
28835	2039	0.6	1.4	0.0	0.6	0.6	0.0	3.2
29200	2040	0.6	1.4	0.0	0.6	0.6	0.0	3.2
29565	2041	0.7	1.4	0.0	0.6	0.6	0.0	3.2
29930	2042	0.7	1.4	0.0	0.6	0.6	0.0	3.2
30295	2043	0.7	1.4	0.0	0.6	0.6	0.0	3.3
30660	2044	0.7	1.4	0.0	0.6	0.6	0.0	3.3
31025	2045	0.7	1.4	0.0	0.6	0.6	0.0	3.3
31390	2046	0.7	1.4	0.0	0.6	0.6	0.0	3.3
31755	2047	0.7	1.4	0.0	0.6	0.6	0.0	3.3
32120	2048	0.7	1.4	0.0	0.6	0.6	0.0	3.3
32485	2049	0.7	1.4	0.0	0.6	0.6	0.0	3.3
32850	2050	0.7	1.4	0.0	0.6	0.6	0.0	3.3
33215	2051	0.7	1.4	0.0	0.6	0.6	0.0	3.3
33580	2052	0.7	1.4	0.0	0.6	0.6	0.0	3.3
33945	2053	0.7	1.4	0.0	0.6	0.6	0.0	3.3
34310	2054	0.7	1.4	0.0	0.6	0.6	0.0	3.3
34675	2055	0.7	1.4	0.0	0.6	0.6	0.0	3.3
35040	2056	0.7	1.4	0.0	0.6	0.6	0.0	3.3
35405	2057	0.7	1.4	0.0	0.6	0.6	0.1	3.3
35770	2058	0.7	1.4	0.0	0.6	0.6	0.1	3.3
36135	2059	0.7	1.4	0.0	0.6	0.6	0.1	3.4
36500	2060	0.7	1.4	0.0	0.6	0.6	0.1	3.4
36865	2061	0.7	1.4	0.0	0.6	0.6	0.1	3.4
37230	2062	0.7	1.4	0.0	0.6	0.6	0.1	3.4
37595	2063	0.7	1.4	0.0	0.6	0.6	0.1	3.4
37960	2064	0.7	1.4	0.0	0.6	0.6	0.1	3.4
38325	2065	0.7	1.4	0.0	0.6	0.6	0.1	3.4
38690	2066	0.7	1.4	0.0	0.6	0.6	0.1	3.4
39055	2067	0.7	1.4	0.0	0.6	0.6	0.1	3.4
39420	2068	0.7	1.4	0.0	0.6	0.6	0.1	3.4
39785	2069	0.7	1.4	0.0	0.6	0.6	0.1	3.4
40150	2070	0.7	1.4	0.0	0.6	0.6	0.1	3.4
40515	2071	0.7	1.4	0.0	0.6	0.6	0.1	3.4
Salinity (mg/L)		5,000	10,000	5,000	20,000	20,000	20,000	

B-5(S5). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 5)

Time (day)	Time (year)	Layer 1 (tonnes/day)			Layer 3 (tonnes/day)			Kingston Total
		Z1-Z16	Z1-Z17	Z1-Z18	Z3-Z16	Z3-Z17	Z3-Z18	
40880	2072	0.7	1.4	0.0	0.6	0.6	0.1	3.4
41245	2073	0.7	1.4	0.0	0.6	0.6	0.1	3.4
41610	2074	0.7	1.4	0.0	0.6	0.6	0.1	3.4
41975	2075	0.7	1.4	0.0	0.6	0.6	0.1	3.4
42340	2076	0.7	1.4	0.0	0.6	0.6	0.1	3.4
42705	2077	0.7	1.4	0.0	0.6	0.6	0.1	3.4
43070	2078	0.7	1.4	0.0	0.6	0.6	0.1	3.4
43435	2079	0.7	1.4	0.0	0.6	0.6	0.1	3.4
43800	2080	0.7	1.4	0.0	0.6	0.6	0.1	3.4
44165	2081	0.7	1.4	0.0	0.6	0.6	0.1	3.4
44530	2082	0.7	1.4	0.0	0.6	0.6	0.1	3.4
44895	2083	0.7	1.4	0.0	0.6	0.6	0.1	3.4
45260	2084	0.7	1.4	0.0	0.6	0.6	0.1	3.4
45625	2085	0.7	1.4	0.0	0.6	0.6	0.1	3.4
45990	2086	0.7	1.4	0.0	0.6	0.6	0.1	3.4
46355	2087	0.7	1.4	0.0	0.6	0.6	0.1	3.4
46720	2088	0.7	1.4	0.0	0.6	0.6	0.1	3.4
47085	2089	0.7	1.4	0.0	0.6	0.6	0.1	3.4
47450	2090	0.7	1.4	0.0	0.6	0.6	0.1	3.4
47815	2091	0.7	1.4	0.0	0.6	0.6	0.1	3.4
48180	2092	0.7	1.4	0.0	0.6	0.6	0.1	3.4
48545	2093	0.7	1.4	0.0	0.6	0.6	0.1	3.4
48910	2094	0.7	1.4	0.0	0.6	0.6	0.1	3.4
49275	2095	0.7	1.4	0.0	0.6	0.6	0.1	3.4
49640	2096	0.7	1.4	0.0	0.6	0.6	0.1	3.4
50005	2097	0.7	1.4	0.0	0.6	0.6	0.1	3.4
50370	2098	0.7	1.4	0.0	0.6	0.6	0.1	3.4
50735	2099	0.7	1.4	0.0	0.6	0.6	0.1	3.4
51100	2100	0.7	1.5	0.0	0.6	0.6	0.1	3.4
51465	2101	0.7	1.5	0.0	0.6	0.6	0.1	3.4
51830	2102	0.7	1.5	0.0	0.6	0.6	0.1	3.4
52195	2103	0.7	1.5	0.0	0.6	0.6	0.1	3.4
52560	2104	0.7	1.5	0.0	0.6	0.6	0.1	3.4
52925	2105	0.7	1.5	0.0	0.6	0.6	0.1	3.4
53290	2106	0.7	1.5	0.0	0.6	0.6	0.1	3.4
Salinity (mg/L)		*5,000*	*10,000*	*5,000*	*20,000*	*20,000*	*20,000*	

B-5(S5). Modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 5)

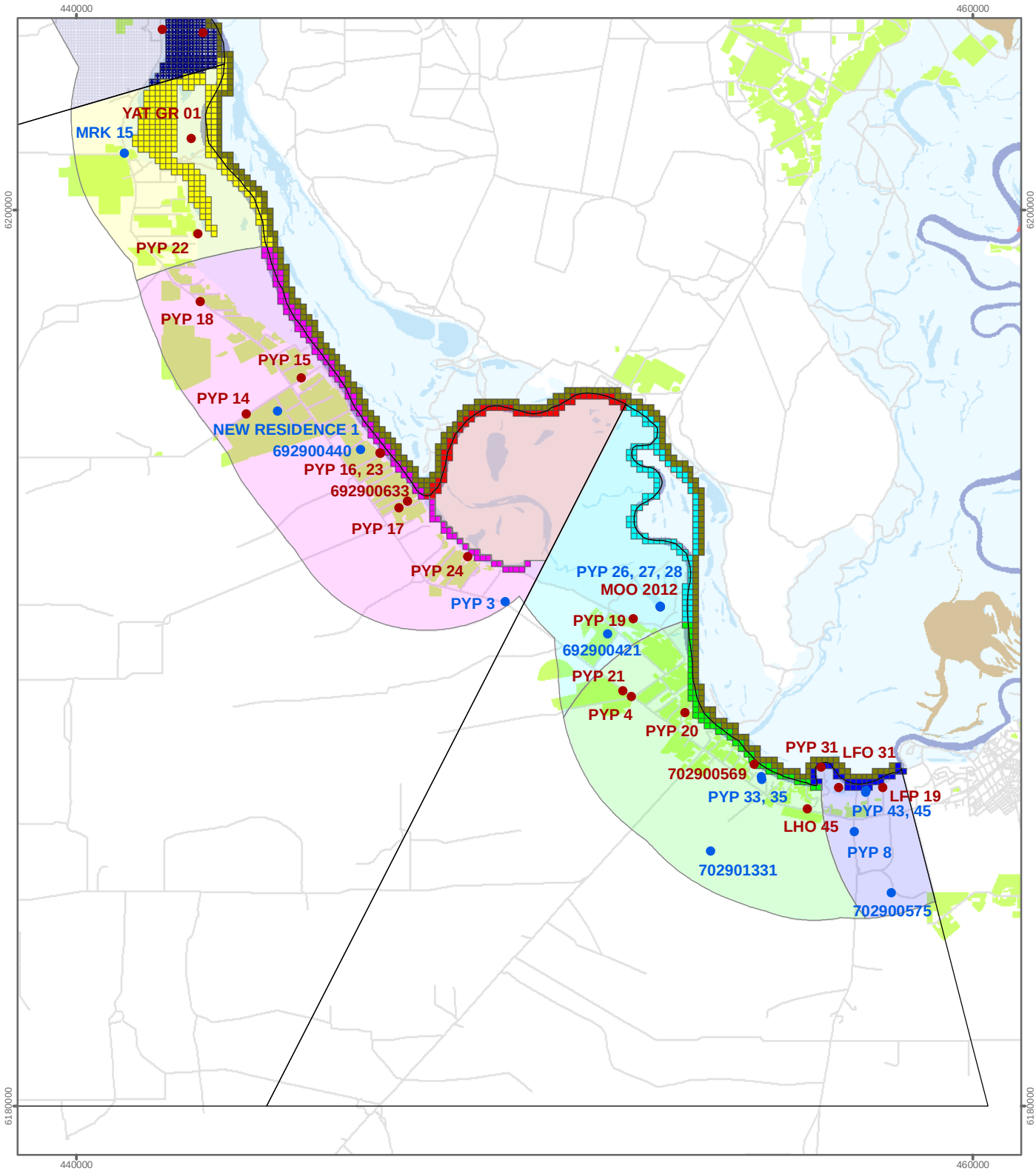


B-5(S5). Graph of modelled salt load (tonnes/day) entering the River Murray in the Kingston Area (Scenario 5)

C. PYAP TO KINGSTON SALINITY ANALYSIS

- Salinity data and maps of associated zones
- Statistical data derived from flow budget zones

C-1 AND C2. MAPS OF ASSOCIATED WITH MODEL FLOW BUDGET ZONES



- Locks
- Roads
- Wetlands
- Evaporation basins
- Irrigated areas (2001)
- River Murray Floodplain (1956 flood extent)

Groundwater salinity data points (by well name) and associated Zones

- Loxton Sands or Monoman Formation
- Murray Group

Zone: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

0 0.5 1 1.5 2 Kilometres

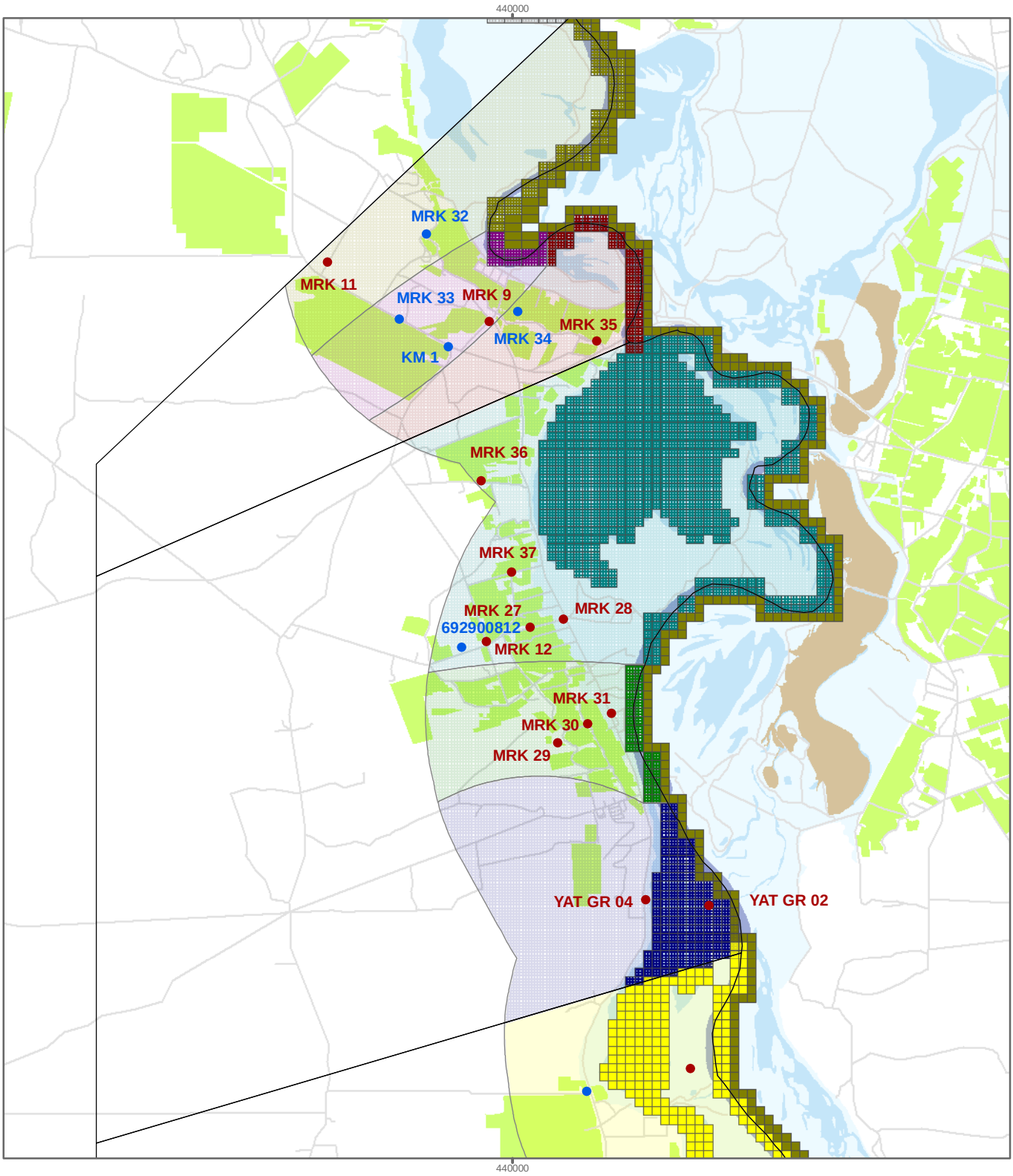
PRODUCED BY: River Murray SIS Group, DWLBC
MAP PROJECTION: MGA Zone 54
MAP DATUM: Geocentric Datum of Australia 1994
DATE: May 2007

GDA

Figure C-1

Government of South Australia
Department of Water, Land and Biodiversity Conservation

Groundwater Salinity Data Points and Zones - Pyap and New Residence Areas



- Locks
- Roads
- Wetlands
- Evaporation basins
- Irrigated areas (2001)
- River Murray Floodplain (1956 flood extent)

Groundwater salinity data points (by well name) and associated Zones

- Loxton Sands or Monoman Formation
- Murray Group

Zone: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

0 0.5 1 1.5 2 Kilometres

PRODUCED BY: River Murray SIS Group, DWLBC
MAP PROJECTION: MGA Zone 54
MAP DATUM: Geocentric Datum of Australia 1994
DATE: May 2007

GDA

Figure

C-2

Government of South Australia
Department of Water, Land and Biodiversity Conservation

Groundwater Salinity Data Points and Zones - Moorook and Kingston Areas

C3. SALINITY DATA AND BOREHOLE DETAILS

Drillhole Number	Unit Number	Obs Number	Name	Aquifer	Date Drilled	Max Depth (m)	Easting	Northing	Purpose	TDS (mg/L)	EC	RSWL (m AHD)	Anomalous	Include in Analysis	Comment
103091	692900056		RIVER MURRAY	Unknown		0.00	439508.09	6213467.14		1136	2056	0.00	No	No	Surface water readings with no information
103116	692900081		YATCO LAGOON	Unknown		0.00	442183.92	6205261.25		725	1316	0.00	No	No	No info. Lagoonal, not representative of region
103120	692900085		NEW RESIDENCE 1B	Murray Group (Undifferentiated)	1966	106.68	444486.05	6195515.27	Drainage	17431	28622	11.28	No	Yes	
103126	702901331			Murray Group (Undifferentiated)		48.77	454148.91	6185690	Stock	4457	7888	0.00	No	Yes	
103136	692900101		SEEPAGE POINT	Loxton - Assumed		0.00	448164.05	6192821.21		1955	3518	0.00	No	No	Taken from Cliff Seepage. Unrepresentative
103137	692900102		SEEPAGE POINT	Unknown		2.74	447699.02	6193615.13		759	1378	0.00	No	No	Taken from Cliff Seepage. Unrepresentative
103138	692900103		YATES LAGOON	Unknown		0.00	440511.10	6208846.04		1354	2447	0.00	No	No	No info. Lagoonal, not representative of region
103139	692900104	MRK 12	7K	Loxton Parilla Sands	1968	18.29	439622.00	6207758.00	Observation	830	1505	15.86	Yes	Yes	Not regionally representative. Irrigation water?
103145	692900110	MRK 11	6K	Loxton Parilla Sands	1968	33.53	437327.00	6213232.00	Observation	15000	24973	12.45	No	Yes	Flow direction would preclude using this data
103146	692900111		LAGOON	Unknown		0.00	440071.10	6211058.27		60	109	0.00	No	No	No info. Lagoonal, not representative of region
103149	692900114	MRK 9	4K	Loxton Parilla Sands	1968	25.91	439662.00	6212375.00	Observation	5145	9063	16.68	No	Yes	
103397	692900362	MRK 15	M 24A	Murray Group Limestone Confined	1980	48.00	441068.00	6201271.00	Observation	10760	18300	10.91	No	Yes	
103401	692900366	PYP 3	M32	Murray Group Limestone	1980	60.00	449571.00	6191253.00	Observation	14377	23976	12.38	No	Yes	
103404	692900369	PYP 4	M40	Loxton Parilla Sands	1980	54.00	452379	6189139	Observation	11300	19149	0.00	No	Yes	
103456	692900421			Murray Group (Undifferentiated)	1983	54.86	451850.99	6190542.16	Drainage	1800	3242	9.14	Yes	Yes	Drainage well. Large discrepancy with regional
103475	692900440			Murray Group - Assumed		42.00	446336.94	6194656.30	Drainage	3338	5952	12.00	No	Yes	Multiple salinity readings
103668	692900633			Loxton - Assumed	1988	38.00	447389.91	6193499.17	Drainage	2019	3630	7.55	No	Yes	
127385	702900568		KATARAPKA CREEK	Monoman - Assumed		0.00	454621.99	6188109.19		470	855	0.00	Yes	No	Lack of Information to support salinity value.
127386	702900569			Monoman - Assumed		3.05	455126.97	6187632.16		4165	7385	0.00	No	Yes	Multiple salinity readings - Full Lab Analysis
127387	702900570		SEEPAGE NO 17	Loxton - Assumed		0.00	455380.00	6187449.19		4165	7385	0.00	No	No	Taken from Cliff Seepage. Salinity exacerbated
127392	702900575			Murray Group (Undifferentiated)		60.96	458180.99	6184756.17	Stock	3529	6284	13.59	No	Yes	
127438	702900621	PYP 8	M35	Murray Group Limestone Confined	1980	72.00	457356.01	6186129.12	Observation	3663	6516	15.15	No	Yes	
135880	692900766	MRK 27		Loxton Parilla Sands	1993	16.50	440255.00	6207965.00	Observation	2795	5000	16.04	No	Yes	
135881	692900767	MRK 28		Monoman Formation	1993	9.00	440732.05	6208078.31	Observation	3943	7000	10.74	No	Yes	
135882	692900768	MRK 29		Loxton Parilla Sands	1993	30.00	440646.97	6206298.31	Observation	1384	2500	18.17	No	Yes	
135883	692900769	MRK 30		Loxton Parilla Sands	1993	16.00	441082.00	6206570.00	Observation	1105	2000	13.67	No	Yes	
135884	692900770	MRK 31		Monoman Formation	1993	16.00	441423.00	6206719.00	Observation	2227	4000	11.13	No	Yes	
135886	692900772	PYP 14		Loxton Parilla Sands	1993	33.00	443789.00	6195451.00	Observation	25308	40000	13.28	No	Yes	
135887	692900773	PYP 15		Loxton Parilla Sands	1993	24.00	445017.00	6196248.00	Observation	5698	10000	12.70	No	Yes	
135888	692900774	PYP 16		Loxton Parilla Sands	1993	16.00	446772.03	6194578.07	Observation	1664	3000	13.43	No	Yes	
135889	692900775	PYP 17		Loxton Parilla Sands	1993	36.00	447201.00	6193357.00	Observation	938	1700	12.01	Yes	Yes	EW&S Measured during drilling
135890	692900776	PYP 18		Loxton Parilla Sands	1993	14.00	442760.00	6197961.00	Observation	25308	40000	11.67	No	Yes	
165988	692900812			Murray Group Assumed	1996	32.00	439262.01	6207678.21	Irrigation	4164	7380	0.00	No	Yes	
171090	692900813	MRK 32	K 1	Murray Group Limestone	36063	36	438756.02	6213635.16	Monitoring	5403	9500	11.18	No	Yes	
171091	692900814	MRK 33	K 2	Murray Group Limestone	1998	34.00	438364.04	6212406.14	Monitoring	3080	5500	12.39	No	Yes	
171092	692900815	MRK 34	K 3	Murray Group Limestone Confined	1998	36.00	440074.02	6212515.16	Monitoring	2795	5000	12.42	No	Yes	
171093	692900816	MRK 35	K 4	Loxton Parilla Sands	1998	36.00	441210.99	6212089.23	Monitoring	661	1200	10.76	No	Yes	Becoming fresher due to flushing
171094	692900817	MRK 36	M 1	Loxton Parilla Sands	1998	31.00	439542.96	6210074.16	Monitoring	1440	2600	15.26	No	Yes	
171095	692900818	MRK 37	M 2	Loxton Parilla Sands	1998	10.00	439986.96	6208757.20	Monitoring	2227	4000	15.59	No	Yes	
171096	692900819	PYP 22	NR 1	Loxton Parilla Sands	1998	9.00	442711.96	6199471.12	Monitoring	854	1550	11.22	No	Yes	Shallow DTW and freshening of irrigation water
171097	692900820	PYP 23	NR 2	Loxton Parilla Sands	1998	6.00	446785.03	6194571.16	Monitoring	1278	2310	13.01	No	Yes	
171098	692900821	PYP 24	NR 3	Loxton Parilla Sands	1998	18.00	448735.03	6192266.15	Monitoring	2171	3900	9.46	No	Yes	
171099	692900822	PYP 19	P 1	Monoman Formation	1998	9.00	452421	6190872	Monitoring	2510	4500	10.43	No	Yes	
171100	692900823	PYP 20	P 2	Loxton Parilla Sands	1998	30.00	453584.04	6188785.15	Monitoring	4233	7500	11.46	No	Yes	
171101	692900824	PYP 21	P 3	Loxton Parilla Sands	1998	42.00	452195.96	6189270.13	Monitoring	1832	3300	12.30	Yes	Yes	Issue with salinity units. Variation is too large
190307	692900936		KM 1	Murray Group Limestone Confined	2002	168.10	439074.00	6212011.00	Exploration	15848	26200	10.83	No	Yes	Deeper Murray Group Unit, possibly not indicative
191483	702901412	PYP 31	LFO 7A	Monoman Formation	2002	9.00	456618.4	6187566.2	Monitoring	7794	13500	9.90	No	Yes	
196347	702901485	PYP 33	MAN 8P	Murray Group (Undifferentiated)	2002	96.00	455291	6187290	Investigation	3246	5790	14.39	No	Yes	
196349	702901487	PYP 35	MAN 11 O	Murray Group (Undifferentiated)	2002	96.00	455286	6187352	Investigation	3052	5450	13.93	No	Yes	
196585	692900854	PYP 26	LFO 9P	Murray Group (Undifferentiated)	2002	19.00	453030	6191148	Investigation	8592	14800	9.85	No	Yes	
196587	692900855	PYP 27	LFO 9GF	Murray Group (Undifferentiated)	2002	48.00	453030	6191146	Investigation	9084	15590	12.07	No	Yes	
196588	692900856	PYP 28	LFO9 UMF	Murray Group (Undifferentiated)	2002	72.00	453029	6191147	Investigation	10489	17870	12.76	No	Yes	
196666	702901531	PYP 43	LHO 40 GF	Murray Group (Undifferentiated)	2002	45.00	457625	6187045	Investigation	3770	6700	13.40	No	Yes	
196668	702901533	PYP 45	LHP 1GF	Murray Group (Undifferentiated)	2002	48.00	457616	6187002	Investigation	3712	6600	15.13	No	Yes	
197384	692900880		MOO 1311	Coonambidgal	2002	3.00	440960.00	6208075.00	Observation	32954	50400	0.00	No	Maybe	Artificially high due to ET. Monoman may be less
197385	692900881		MOO 1312	Coonambidgal	2003	2.50	441402.00	6209193.00	Observation	52640	75200	0.00	No	Maybe	Artificially high due to ET. Monoman may be less
197386	692900882		MOO 1313	Coonambidgal	2002	1.50	441123.00	6201340.00	Observation	39550	56500	0.00	No	Maybe	Artificially high due to ET. Monoman may be less
197395	692900891		MOO 2012	Monoman - Assumed	2003	2.50	453024	6191144	Observation	1664	3000	0.00	No	Yes	
197417	692900899		OVE 1310	Coonambidgal	2002	2.50	440187.00	6213200.00	Observation	1658	2990	0.00	No	No	Not representative of Lateral Flow unit
199545	702901849		LHO 45	Loxton Parilla Sands	2004	33.00	456305.5	6186636.1	Investigation	2454	4400	19.82	No	Yes	
199777	702901853		LFP 19	Monoman Formation	2003	10.00	457993.2	6187111.8	Investigation	14923	24800	0.00	No	Yes	
199805	702901881		LFO 31	Monoman Formation	2004	11.00	457003.8	6187112.2	Investigation	13241	22200	0.00	No	Yes	
208162	692900942		YAT GR 01	Monoman Formation		4.00	442561.00	6201596.00	Monitoring	21254	34200	9.62	No	Yes	
208163	692900943		YAT GR 02	Monoman Formation		5.00	442829.00	6203954.00	Monitoring	28368	44200	9.47	No	Yes	
208165	692900945		YAT GR 04	Monoman Formation		2.00	441919.00	6204036.00	Monitoring	12257	20660	10.04	No	Yes	

Appendix C-3 : Salinity review data for Pyap to Kingston region

C4. STATISTICAL DATA DERIVED FROM FLOW BUDGET ZONES (LOXTON SANDS AQUIFER)

Zone	Name	Easting	Northing	Drilled	EC	TDS
10	PYP 31	456618.40	6187566.20	2002	13500	7794
10	LFP 19	457993.20	6187111.80	2003	24800	14923
10	LFO 31	457003.80	6187112.20	2004	22200	13241
		Without including anomalous values:			Mean	11986
					Median	13241
		Including values flagged as anomalous:			Mean	11986
					Median	13241

Zone	Name	Easting	Northing	Drilled	EC	TDS
11	PYP 4	452379.00	6189139.00	1980	19149	11300
11	702900569	455126.97	6187632.16	1968	7385	4165
11	PYP 20	453584.04	6188785.15	1998	7500	4233
11	PYP 21	452195.96	6189270.13	1998	3300	1832
11	LHO 45	456305.50	6186636.10	2004	4400	2454
		Without including anomalous values:			Mean	5538
					Median	4199
		Including values flagged as anomalous:			Mean	4797
					Median	4165

Zone	Name	Easting	Northing	Drilled	EC	TDS
12	PYP 19	452421.00	6190872.00	1998	4500	2510
12	MOO 2012	453024.00	6191144.00	2003	3000	1664
		Without including anomalous values:			Mean	2087
					Median	2087
		Including values flagged as anomalous:			Mean	2087
					Median	2087

Zone	Name	Easting	Northing	Drilled	EC	TDS
14	692900633	447389.91	6193499.17	1988	3630	2019
14	PYP 14	443789.00	6195451.00	1993	40000	25308
14	PYP 15	445017.00	6196248.00	1993	10000	5698
14	PYP 16	446772.03	6194578.07	1993	3000	1664
14	PYP 17	447201.00	6193357.00	1993	1700	938
14	PYP 18	442760.00	6197961.00	1993	40000	25308
14	PYP 23	446785.03	6194571.16	1998	2310	1278
14	PYP 24	448735.03	6192266.15	1998	3900	2171
		Without including anomalous values:			Mean	9064
					Median	2171
		Including values flagged as anomalous:			Mean	8048
					Median	2095

Zone	Name	Easting	Northing	Drilled	EC	TDS
15	PYP 22	442711.96	6199471.12	1998	1550	854
15	YAT GR 01	442561.00	6201596.00	2005	34200	21254
		Without including anomalous values:			Mean	11054
					Median	11054
		Including values flagged as anomalous:			Mean	11054
					Median	11054

Zone	Name	Easting	Northing	Drilled	EC	TDS
16	YAT GR 02	442829.00	6203954.00	2005	44200	28368
16	YAT GR 04	441919.00	6204036.00	2005	20660	12257
		Without including anomalous values:			Mean	20313
					Median	20313
		Including values flagged as anomalous:			Mean	20313
					Median	20313

Zone	Name	Easting	Northing	Drilled	EC	TDS
17	MRK 29	440646.97	6206298.31	1993	2500	1384
17	MRK 30	441082.00	6206570.00	1993	2000	1105
17	MRK 31	441423.00	6206719.00	1993	4000	2227
		Without including anomalous values:			Mean	1572
					Median	1384
		Including values flagged as anomalous:			Mean	1572
					Median	1384

Zone	Name	Easting	Northing	Drilled	EC	TDS
18	MRK 12	439622.00	6207758.00	1968	1505	830
18	MRK 27	440255.00	6207965.00	1993	5000	2795
18	MRK 28	440732.05	6208078.31	1993	7000	3943
18	MRK 36	439542.96	6210074.16	1998	2600	1440
18	MRK 37	439986.96	6208757.20	1998	4000	2227
		Without including anomalous values:			Mean	2601
					Median	2511
		Including values flagged as anomalous:			Mean	2247
					Median	2227

Zone	Name	Easting	Northing	Drilled	EC	TDS
19	MRK 35	441210.99	6212089.23	1998	1200	661
		Without including anomalous values:			Mean	661
					Median	661
		Including values flagged as anomalous:			Mean	661
					Median	661

Zone	Name	Easting	Northing	Drilled	EC	TDS
20	MRK 9	439662.00	6212375.00	1968	9063	5145
		Without including anomalous values:			Mean	5145
					Median	5145
		Including values flagged as anomalous:			Mean	5145
					Median	5145

Zone	Name	Easting	Northing	Drilled	EC	TDS
21	MRK 11	437327.00	6213232.00	1968	24973	15000
		Without including anomalous values:			Mean	15000
					Median	15000
		Including values flagged as anomalous:			Mean	15000
					Median	15000

C5. STATISTICAL DATA DERIVED FROM FLOW BUDGET ZONES (MURRAY GROUP LIMESTONE AQUIFER)

Zone	Name	Easting	Northing	Drilled	EC	TDS
10	702900575	458180.99	6184756.17	1946	6284	3529
10	PYP 8	457356.01	6186129.12	1980	6516	3663
10	PYP 43	457625.00	6187045.00	2002	6700	3770
10	PYP 45	457616.00	6187002.00	2002	6600	3712

Without including anomalous values: Mean 3669, Median 3688

Including values flagged as anomalous: Mean 3669, Median 3688

Zone	Name	Easting	Northing	Drilled	EC	TDS
11	702901331	454148.91	6185690.00	1965	7888	4457
11	PYP 33	455291.00	6187290.00	2002	5790	3246
11	PYP 35	455286.00	6187352.00	2002	5450	3052

Without including anomalous values: Mean 3585, Median 3246

Including values flagged as anomalous: Mean 3585, Median 3246

Zone	Name	Easting	Northing	Drilled	EC	TDS
12	692900421	451850.99	6190542.16	1983	3242	1800
12	PYP 26	453030.00	6191148.00	2002	14800	8592
12	PYP 27	453030.00	6191146.00	2002	15590	9084
12	PYP 28	453029.00	6191147.00	2002	17870	10489

Without including anomalous values: Mean 9388, Median 9084

Including values flagged as anomalous: Mean 7491, Median 8838

Zone	Name	Easting	Northing	Drilled	EC	TDS
14	NEW RES.1B	444486.05	6195515.27	1966	28622	17431
14	PYP 3	449571.00	6191253.00	1980	23976	14377
14	692900440	446336.94	6194656.30	1985	5952	3338

Without including anomalous values: Mean 11715, Median 14377

Including values flagged as anomalous: Mean 11715, Median 14377

Zone	Name	Easting	Northing	Drilled	EC	TDS
15	MRK 15	441068.00	6201271.00	1980	18300	10760

Without including anomalous values: Mean 10760, Median 10760

Including values flagged as anomalous: Mean 10760, Median 10760

Zone	Name	Easting	Northing	Drilled	EC	TDS
18	692900812	439262.01	6207678.21	1996	7380	4164
		Without including anomalous values:			Mean	4164
					Median	4164
		Including values flagged as anomalous:			Mean	4164
					Median	4164

Zone	Name	Easting	Northing	Drilled	EC	TDS
19	MRK 34	440074.02	6212515.16	1998	5000	2795
		Without including anomalous values:			Mean	2795
					Median	2795
		Including values flagged as anomalous:			Mean	2795
					Median	2795

Zone	Name	Easting	Northing	Drilled	EC	TDS
20	MRK 33	438364.04	6212406.14	1998	5500	3080
20	KM 1	439074.00	6212011.00	2002	26200	15848
		Without including anomalous values:			Mean	9464
					Median	9464
		Including values flagged as anomalous:			Mean	9464
					Median	9464

Zone	Name	Easting	Northing	Drilled	EC	TDS
21	MRK 32	438756.02	6213635.16	1998	9500	5403
		Without including anomalous values:			Mean	5403
					Median	5403
		Including values flagged as anomalous:			Mean	5403
					Median	5403

C-6. LOXTON SANDS GROUNDWATER SALINITY DISTRIBUTION (30 SAMPLES)

TDS (mg/L)	Cumulative Percent
28368	100.00%
25308	93.10%
25308	93.10%
21254	89.60%
15000	86.20%
14923	82.70%
13241	79.30%
12257	75.80%
11300	72.40%
7794	68.90%
5698	65.50%
5145	62.00%
4233	58.60%
4165	55.10%
3943	51.70%
2795	48.20%
2510	44.80%
2454	41.30%
2227	34.40%
2227	34.40%
2171	31.00%
2019	27.50%
1664	20.60%
1664	20.60%
1440	17.20%
1384	13.70%
1278	10.30%
1105	6.80%
854	3.40%
661	.00%

C-7. MURRAY GROUP LIMESTONE GROUNDWATER SALINITY DISTRIBUTION (19 SAMPLES)

TDS (mg/L)	Cumulative Percent
17431	100.00%
15848	94.40%
14377	88.80%
10760	83.30%
10489	77.70%
9084	72.20%
8592	66.60%
5403	61.10%
4457	55.50%
4164	50.00%
3770	44.40%
3712	38.80%
3663	33.30%
3529	27.70%
3338	22.20%
3246	16.60%
3080	11.10%
3052	5.50%
2795	.00%

C-8. WHOLE POPULATION GROUNDWATER SALINITY DISTRIBUTION (49 SAMPLES)

TDS (mg/L)	Cumulative Percent.
28368	100.00%
25308	95.80%
25308	95.80%
21254	93.70%
17431	91.60%
15848	89.50%
15000	87.50%
14923	85.40%
14377	83.30%
13241	81.20%
12257	79.10%
11300	77.00%
10760	75.00%
10489	72.90%
9084	70.80%
8592	68.70%
7794	66.60%
5698	64.50%
5403	62.50%
5145	60.40%
4457	58.30%
4233	56.20%
4165	54.10%
4164	52.00%
3943	50.00%
3770	47.90%
3712	45.80%
3663	43.70%
3529	41.60%
3338	39.50%
3246	37.50%
3080	35.40%
3052	33.30%
2795	29.10%
2795	29.10%
2510	27.00%
2454	25.00%
2227	20.80%
2227	20.80%
2171	18.70%
2019	16.60%
1664	12.50%
1664	12.50%
1440	10.40%
1384	8.30%
1278	6.20%
1105	4.10%
854	2.00%
661	.00%