

Regional Infrastructure Pty Ltd
 Tamworth Regional Livestock Exchange (TRLX)
 7 Phoenix St Tamworth NSW 2340
 EPL 20133
 Livestock intensive activities

EPL 1 (Wetland)

Sampling Frequency		Each overflow event	Each overflow event	Each overflow event	Each overflow event	Each overflow event	Each overflow event	Each overflow event
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Oil and Grease (mg/L)
EPL 90 Percentile Concentration Limit		6.5-8.5	300000	50	2	0.5		
22-Jun-16	8-Jul-16	6.88	346	77	4.7	1.31	94	< 5
25-Aug-16	28-Sep-16	7.53	528	44	14.2	3.4	150	< 5
6-Sep-16	28-Sep-16	7.74	522	40	0.8	0.98	122	< 5
19-Sep-16	28-Sep-16	7.58	490	84	12.5	3.49	123	< 5
4-Jan-17	16-Jan-17	7.82	372	98	6.5	2.02	75	13
12-Feb-20	26-Feb-20	7.7	560	150	6.7	2.3	320	< 5
7-Apr-20	22-Apr-20	7.7	700	150	7	5.3	400	< 5

EPL 2 (Creek Upstream)

Sampling Frequency		Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Oil and Grease (mg/L)
15-Jul-15	3-Sep-15	7.15	109	52	3.3	0.57	56	12
22-Jun-16	8-Jul-16	7.09	77	14	0.9	0.21	42	< 5
25-Aug-16	28-Sep-16	7.49	67	20	1.4	0.24	46	< 5
6-Sep-16	28-Sep-16	7.66	103	5	1	0.11	33	< 5
19-Sep-16	28-Sep-16	7.73	139	< 5	0.9	0.08	43	< 5
4-Jan-17	16-Jan-17	7.49	163	10	2.2	0.26	115	10
12-Feb-20	26-Feb-20	7.5	80	21	1.5	0.3	170	< 5
7-Apr-20	22-Apr-20	7.6	140	45	1.2	0.1	60	< 5

EPL 3 (Creek Downstream)

Sampling Frequency		Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1	Each overflow event from EPL 1
Date Sampled	Date Obtained	pH (pH units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chemical Oxygen Demand (mg/L)	Oil and Grease (mg/L)
15-Jul-15	3-Sep-15	7.23	141	6	1.5	0.22	27	25
22-Jun-16	8-Jul-16	7.23	239	< 5	1.5	0.47	85	< 5
25-Aug-16	28-Sep-16	7.67	188	15	3.9	0.9	71	< 5
6-Sep-16	28-Sep-16	7.94	425	11	3.5	1.52	96	-
19-Sep-16	28-Sep-16	7.79	251	< 5	2.5	0.85	68	< 5
4-Jan-17	16-Jan-17	7.76	397	29	6.1	1.32	92	15
12-Feb-20	26-Feb-20	7.6	350	120	6.5	2.2	350	< 5
7-Apr-20	22-Apr-20	7.7	540	58	4.7	0.7	160	< 5

EPL 4 (Groundwater)

Sampling Frequency		Quarterly	Quarterly	Quarterly	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	Date Obtained	Standing Water Level (m AHD)	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Ammonia (mgN/L)	Nitrate (mgN/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Reactive Phosphorus (mgP/L)
24-Apr-13 (Baseline prior to EPL)	6-Sep-13	378.47	7.74	1020	774	0.07	6.94	8.8	0.25	<0.01
9-Jul-13	6-Sep-13	378.14	7.40	970	649	<0.01	6.18	8.5	0.18	<0.01
9-Oct-13	1-Nov-13	377.48	7.78	1130	608	0.04	0.26	1.1	0.08	<0.01
30-Jan-14	25-Feb-14	376.89	7.68	1170	628	0.07	0.45	0.8	0.05	<0.01
10-Apr-14	2-Jun-14	376.80	7.70	1190	654	0.03	1.37	1.8	0.02	<0.01
17-Jul-14	29-Aug-14	376.74	7.45	1230	664	0.01	0.12	0.5	0.03	<0.01
28-Oct-14	19-Nov-14	376.55	7.78	1340	734	0.01	1.17	1.5	0.01	<0.01
29-Jan-15	25-Feb-15	377.10	7.44	1390	761	0.03	0.6	1	0.03	<0.01
20-Apr-15	19-May-15	378.18	7.44	1460	742	0.03	1.15	1.6	0.02	0.03
15-Jul-15	3-Sep-15	377.51	7.45	1550	876	0.03	0.53	1.0	0.02	<0.01
15-Oct-15	10-Nov-15	377.30	7.99	1600	886	0.05	0.34	0.8	0.01	<0.01
25-Jan-16	15-Feb-16	377.94	7.64	1770	958	0.04	0.27	0.8	0.01	<0.01
19-Apr-16	16-May-16	377.30	7.68	1600	905	0.06	0.54	0.8	<0.01	<0.01
22-Jun-16	8-Jul-16	376.87	7.69	1750	994	0.03	0.34	0.6	< 0.01	0.01
12-Oct-16	31-Oct-16	379.26	7.9	1310	866	<0.01	2.2	2.7	0.02	<0.01
1-Feb-17	17-Feb-17	378.19	7.52	1820	1060	0.05	0.56	0.9	<0.01	<0.01
25-Apr-17	8-May-17	377.58	7.56	1910	1080	0.05	0.08	0.9	0.02	<0.01
20-Jul-17	4-Aug-17	377.70	7.51	1940	1090	0.02	0.02	0.6	0.03	0.02
11-Oct-17	19-Oct-17	377.62	7.32	1950	1110	0.02	0.3	0.7	0.01	<0.01
30-Jan-18	6-Feb-18	376.94	7.41	1960	996	< 0.01	0.77	1.1	< 0.01	< 0.01
26-Apr-18	18-May-18	376.56	7.36	2240	1240	0.07	< 0.01	1.5	0.04	< 0.01
18-Jul-18	25-Jul-18	376.42	7.68	2210	1140	0.06	0.05	0.6	< 0.01	< 0.01
31-Oct-18	8-Nov-18	376.57	7.37	2350	1200	0.01	0.28	0.7	< 0.01	< 0.01
16-Jan-19	24-Jan-19	376.32	6.98	2180	1300	< 0.01	0.05	0.4	0.01	< 0.01
23-May-19	26-Jul-19	376.26	7.62	2300	1140	< 0.01	0.09	0.6	< 0.01	< 0.01
15-Aug-19	22-Aug-19	376.22	7.52	2200	1200	0.14	0.08	0.6	0.01	< 0.01
13-Nov-19	14-Nov-19	375.78	7.42	2260						
5-Feb-20	26-Feb-20	375.42	7.57	2340	1340	0.81	0.32	1.1	< 0.01	< 0.01
27-May-20	11-Jun-20	377.43	7.6	2550	1610	0.03	0.03	1.0	< 0.01	< 0.01
7-Jul-20	8-Jul-20	377.41	7.2	2580						
16-Oct-20	29-Oct-20	376.87	7	2600	1500	0.05	0.13	1.4	0.1	<0.005
9-Feb-21	9-Feb-21	377.23	7.52	2520						
8-Apr-21	15-Apr-21	378.52	7.1	1400	870	0.17	2.5	4.7	1.5	0.88

EPL 5 (Groundwater)

Sampling Frequency		Quarterly	Quarterly	Quarterly	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	Date Obtained	Standing Water Level (m AHD)	pH (pH units)	Electrical Conductivity (µS/cm)	Total Dissolved Solids (mg/L)	Ammonia (mgN/L)	Nitrate (mgN/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Reactive Phosphorus (mgP/L)
24-Apr-13 (Baseline prior to EPL)	6-Sep-13	378.78	7.65	1730	1160	0.12	2.09	3.4	0.37	0.06
9-Jul-13	6-Sep-13	378.68	7.20	1780	1040	<0.01	7.81	10.0	0.05	0.03
9-Oct-13	1-Nov-13	378.00	7.67	1810	969	0.03	11.2	13.0	0.05	0.02
30-Jan-14	25-Feb-14	377.50	7.55	1970	1070	<0.01	10.6	11.0	0.05	0.02
10-Apr-14	2-Jun-14	377.42	7.58	1880	1000	0.03	11.4	13.3	0.02	<0.01
17-Jul-14	29-Aug-14	377.20	7.32	1850	988	<0.01	11.0	13.5	0.01	0.01
28-Oct-14	19-Nov-14	377.40	7.59	1890	988	<0.01	10.8	11.7	0.01	<0.01
29-Jan-15	25-Feb-15	377.61	7.31	1880	1060	<0.01	10.3	17.0	0.02	<0.01
20-Apr-15	19-May-15	377.16	7.36	1880	1030	0.03	9.68	11.3	0.02	0.01
15-Jul-15	3-Sep-15	378.03	7.24	1810	998	0.02	9.34	10.4	0.06	0.01
15-Oct-15	10-Nov-15	377.82	7.89	1780	1000	<0.01	10.1	11.1	0.02	0.02
25-Jan-16	15-Feb-16	377.52	7.68	1830	1020	0.02	8.44	9.8	0.03	<0.01
19-Apr-16	16-May-16	376.80	7.57	1690	898	<0.01	11.1	11.8	<0.01	<0.01
22-Jun-16	8-Jul-16	377.27	7.76	1820	1040	<0.01	10.5	12.6	<0.01	0.01
12-Oct-16	31-Oct-16	380.06	7.92	1450	1170	<0.01	12.2	12.8	<0.01	<0.01
1-Feb-17	17-Feb-17	379.00	7.49	1880	1060	<0.01	11.7	12.2	<0.01	<0.01
25-Apr-17	8-May-17	378.25	7.67	1880	1120	0.06	13.4	15.9	<0.01	<0.01
20-Jul-17	4-Aug-17	378.31	7.44	1940	1120	0.04	14.8	16.7	<0.01	<0.01
11-Oct-17	19-Oct-17	377.77	7.16	1890	1030	< 0.01	13.4	14.9	0.12	<0.01
30-Jan-18	6-Feb-18	377.54	7.42	1890	972	< 0.01	13.3	14.0	< 0.01	< 0.01
26-Apr-18	18-May-18	377.03	7.46	2040	1060	0.02	12.7	14.7	< 0.01	< 0.01
18-Jul-18	25-Jul-18	377.83	7.67	1980	1030	< 0.01	12.4	12.5	< 0.01	< 0.01
31-Oct-18	8-Nov-18	377.09	7.49	2100	1050	0.08	12.6	13.6	< 0.01	< 0.01
16-Jan-19	24-Jan-19	376.86	7.03	1870	1110	0.1	11.3	12.3	0.02	< 0.01
23-May-19	26-Jul-19	376.68	7.68	1830	966	< 0.01	12.5	13.7	< 0.01	< 0.01
15-Aug-19	22-Aug-19	376.53	7.66	1770	960	0.77	12.5	14.3	< 0.01	< 0.01
13-Nov-19	14-Nov-19	376.43	7.64	1820						
5-Feb-20	26-Feb-20	375.83	7.69	1990	1060	0.04	12.5	13.2	< 0.01	< 0.01
27-May-20	11-Jun-20	377.91	7.77	1860	1030	0.01	12.8	16.0	0.01	< 0.01
7-Jul-20	8-Jul-20	377.87	7.71	1820						
16-Oct-20	29-Oct-20	377.37	7.72	1700	1000	0.007	6.7	7.6	0.09	0.05
9-Feb-21	9-Feb-21	377.91	7.43	1920						
8-Apr-21	15-Apr-21	379.07	7.3	1600	930	0.014	7.7	8.4	0.2	0.13