

South Eastern Livestock Exchange (SELX) Water Monitoring Results

Address: 9 Bellevalle Road, Yass NSW 2582

EPA Licence Number: **20691**

Livestock Intensive Activity - animal accomodation

Site - Piezometer **1 Downgradient**

EPL Point **1**

Date	EA005CA pH	EA010CA Electrical Conductivity @ 25°C	EK062CA Total Nitrogen as N	EK067CA Total Phosphorus as P	Standing Water Level
	pH Unit	µS/cm	mg/L	mg/L	m bgl
13-Oct-23	7.25	941	7.39	0.07	2.25
05-Sep-23	7.73	820	6.94	0.03	2.09
08-Aug-23	7.91	822	7.01	0.03	1.96
07-Jun-23	7.16	950	7.79	0.15	1.73
10-May-22	7.17	1070	7.48	0.04	1.80
20-Sep-21	7.73	1060	7.74	0.02	1.72
08-May-21	7.66	1080	7.68	0.03	1.67
15-Dec-20	7.83	1020	7.4	0.05	1.53
12-Aug-20	7.72	1240	7.36	0.02	1.34
12-May-20	7.19	1230	8.57	0.02	2.20
11-Feb-20	7.42	1290	11.3	0.02	2.53
22-Aug-19	7.70	1090	7.47	0.06	2.10

Site - Piezometer **2 Wetlands**

EPL Point **2**

Date	pH	EA010CA Electrical Conductivity @ 25°C	EK062CA Total Nitrogen as N	EK067CA Total Phosphorus as P	Standing Water Level
	pH Unit	µS/cm	mg/L	mg/L	
13-Oct-23	7.17	1240	1.48	0.03	3.61
05-Sep-23	7.72	1080	1.63	0.06	3.57
08-Aug-23	7.86	1010	1.54	0.02	3.41
07-Jun-23	7.1	1160	3.7	0.04	3.25
10-May-22	7.83	1090	1.29	0.06	3.15
20-Sep-21	7.49	1560	1.22	0.05	2.94
11-May-21	7.81	1340	0.42	0.02	2.87
15-Dec-20	7.85	1500	0.37	0.04	2.63
12-Aug-20	7.73	2380	2.5	<0.01	2.08
12-May-20	7.25	1250	2.03	0.03	3.61
11-Feb-20	7.73	1100	2.09	0.07	4.09
22-Aug-19	7.60	1060	0.38	0.02	3.29

Site - Piezometer 3 Upgradient Bellevalle Road

EPL Point 3

Date	pH	EA010CA Electrical Conductivity @ 25°C	EK062CA Total Nitrogen as N	EK067CA Total Phosphorus as P	Standing Water Level
	pH Unit	µS/cm	mg/L	mg/L	m bgl
13-Oct-23	6.96	874	3.74	0.2	3.92
05-Sep-23	7.64	848	5.77	0.52	3.35
08-Aug-23	7.45	631	4.19	0.46	3.42
07-Jun-23	7.13	476	4.08	0.64	2.86
10-May-22	6.97	417	8.78	2.52	2.73
20-Sep-21	7.46	399	4.24	0.59	2.48
11-May-21	7.36	548	10.3	1.94	2.31
15-Dec-20	7.43	592	10.6	1.77	2.09
12-Aug-20	7.19	240	2.54	0.57	1.27
12-May-20	6.75	332	4.1	0.52	2.48
11-Feb-20	6.99	806	14.8	0.68	3.35
22-Aug-19	7.46	2080	5.09	0.55	5.23

Pollutant concentrations of water at monitoring point E4/S4 - Overflow point to trade waste.

EPL Point 4

Date	pH	Total Suspended Solids (TSS)	Biochemical Oxygen Demand	Thermotolerant Faecal Coliforms (Confirmed)	Total Nitrogen as N	Total Phosphorus as P
	pH Unit	mg/L	mg/L	CFU/100mL	mg/L	mg/L
13-Oct-23	7.27	44	24	DNT	55.1	14.8
05-Oct-23	7.38	34	28	DNT	64.1	17.7
28-Sep-23	7.48	29	24	DNT	55.5	13.2
21-Sep-23	7.66	70	17	1300	57.3	10.3
05-Sep-23	7.91	71	50	3500	122	22.5
08-Aug-23	7.86	88	30	34000	DNT	DNT
27-Jun-23	7.38	135	48	1000	133	26
07-Jun-23	7.52	136	109	54000	DNT	DNT
10-May-22	7.42	29	13	5500	36.8	18
20-Sep-21	7.54	258	8	740	37	15.9
11-May-21	7.69	310	5	9280	42.8	21.8
05-May-21	7.02	380	3	DNT	42.4	16.5
03-Mar-21	8.01	29	7	DNT	23.5	DNT
24-Feb-21	7.93	21	5	DNT	11.6	DNT
17-Feb-21	7.76	34	14	DNT	24	21.5
10-Feb-21	7.94	41	4	DNT	36.1	DNT
03-Feb-21	7.42	63	7	DNT	33.3	DNT
27-Jan-21	7.65	28	9	DNT	39.4	DNT
21-Jan-21	8.1	52	16	DNT	43.2	23.4
13-Jan-21	7.97	26	10	DNT	48.9	DNT
07-Jan-21	7.9	30	9	DNT	41.3	DNT
16-Dec-20	7.57	38	9	DNT	41.9	DNT
15-Dec-20	7.81	17	DNT	7000	38.6	22.2
09-Dec-20	7.91	17	9	DNT	28.4	20
02-Dec-20	7.59	22	7	DNT	20.9	DNT
25-Nov-20	8.15	43	23	DNT	28.1	DNT
18-Nov-20	7.82	27	16	DNT	35.6	DNT
11-Nov-20	7.32	29	11	DNT	31.1	19.1

04-Nov-20	7.31	34	11	DNT	39.7	DNT
28-Oct-20	7.48	32	11	DNT	43.4	DNT
21-Oct-20	7.41	35	10	DNT	44.7	DNT
14-Oct-20	7.7	22	11	DNT	42.4	18.4
07-Oct-20	7.25	24	12	DNT	48.1	DNT
30-Sep-20	7.19	46	11	DNT	47.4	DNT
23-Sep-20	7.37	27	12	DNT	41	17.6
16-Sep-20	7.43	30	12	DNT	46.3	DNT
09-Sep-20	7.62	23	9	DNT	40.2	DNT
02-Sep-20	7.14	30	13	DNT	44.4	DNT
26-Aug-20	7.59	35	9	DNT	49.2	15.5
19-Aug-20	7.73	30	14	DNT	50.3	DNT
12-Aug-20	7.68	26	18	15000	61	15.9
12-Aug-20	7.68	26	18	15000	61	15.9
12-May-20	7.6	31	29	45000	77.2	19.5
11-Feb-20	7.82	22	6	21000	89.9	21.8
22-Aug-19	8.13	70	20	1730	106	18.7

Pollutant concentrations of water at monitoring point E5/S5 - Overflow point from surface water wetland

EPL Point 5

Date	pH	Total Suspended Solids (TSS)	Biochemical Oxygen Demand	Thermotolerant Faecal Coliforms (Confirmed)	Total Nitrogen as N	Total Phosphorus as P
	pH Unit	mg/L	mg/L	CFU/100mL	mg/L	mg/L
05-Oct-23	7.59	28	20	1200	20	11.2
28-Sep-23	7.73	33	24	1760	20	10.6
21-Sep-23	7.79	16	13	1650	26.2	11.9
05-Sep-23	7.98	155	18	680	26.9	9.89
08-Aug-23	7.95	32	7	615	DNT	DNT
27-Jun-23	7.51	50	14	220000	22.4	10.2
07-Jun-23	7.65	17	11	920	DNT	DNT
10-May-22	7.69	33	9	4000	5.31	5.84
20-Sep-21	7.54	9	4	640	5.9	3.18
11-May-21	7.68	7	6	260	2.3	1.29
15-Dec-20	7.74	6		460	2.24	0.69
12-Aug-20	7.31	9	3	106	4.36	1.13
12-May-20	7.37	8	4	92	DNT	DNT
11-Feb-20	No Water in Pond to test					
22-Aug-19	7.96	8	<2	DNT	DNT	DNT