

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
12-Aug-20	7.72	1240	7.36	0.02	1340
12-May-20	7.19	1230	8.57	0.02	2200
11-Feb-20	7.42	1290	11.3	0.02	2530
22-Aug-19	7.70	1090	7.47	0.06	2100
5-Mar-19	7.42	797	23.7	2.51	2119
10-Oct-18	7.71	1090	7.45	0.08	1094
24-Jul-18	7.79	1120	8.55	0.01	1955
9-Apr-18	7.62	1.07	7.73	0.02	1733
9-Jan-18	7.5	DNT	8.14	0.05	1905
11-Jul-17	7.7	DNT	6.6	0.03	1735
22-Mar-17	7.5	DNT	<0.1	<0.1	1556
15-Sep-16	7.4	DNT	<0.1	<0.1	1720

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	m bgl
12-Aug-20	7.73	2380	2.5	<0.01	2080
12-May-20	7.25	1250	2.03	0.03	3610
11-Feb-20	7.73	1100	2.09	0.07	4090
22-Aug-19	7.60	1060	0.38	0.02	3290
5-Mar-19	6.60	1010	1.04	0.02	3410

10-Oct-18	7.65	1190	0.25	0.14	3017
24-Jul-18	7.78	1140	0.25	0.02	2990
9-Apr-18	7.76	0.94	0.46	0.2	3025
9-Jan-18	7.7	DNT	0.77	0.04	2645
11-Jul-17	7.7	DNT	0.57	0.02	2639
22-Mar-17	7.5	DNT	<0.1	<0.1	2227
15-Sep-16	7.3	DNT	<0.1	<0.1	1850

Site - Piezometer 3 Upgradient Bellevale 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
12-Aug-20	7.19	240	2.54	0.57	1270
12-May-20	6.75	332	4.1	0.52	2475
11-Feb-20	6.99	806	14.8	0.68	3345
22-Aug-19	7.46	2080	5.09	0.55	5228
5-Mar-19	7.70	1160	7.98	0.02	4060
10-Oct-18	7.25	2470	4.49	0.29	5090
24-Jul-18	7.42	1620	12.6	0.68	3475
9-Apr-18	7.54	0.69	3.4	1.01	5935
9-Jan-18	7	DNT	3.17	0.56	2270
11-Jul-17	7.4	DNT	1.89	0.33	3270
22-Mar-17	7.6	DNT	<0.1	<0.1	3956
15-Sep-16	7.2	DNT	<0.1	<0.1	3415

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
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

5-Mar-19	7.58	42	10	132	87.9	20.7
10-Oct-18	8.06	183	552	107000	125	24.7
24-Jul-18	7.81	170	72	255000	131	22.4
9-Apr-18	8.08	196	34	DNT	88.7	25.1
9-Jan-18	8.2	88	66	3600	74.1	25
11-Jul-17	7.3	14	5	12	1.68	0.08
22-Mar-17	8.4	21	<2	2100	<100	<0.1
15-Sep-16	7.9	54	<5	64	<100	<0.1

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
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
5-Mar-19	7.43	82	2	112	3.64	0.36
10-Oct-18	8.44	5	4	8	DNT	DNT
24-Jul-18	8.26	21	<2	<2	DNT	DNT
9-Apr-18	8.24	20	3	6	1.23	0.07
9-Jan-18	8.3	5	3	40	1.17	0.03
11-Jul-17	8.7	4	<2	2	0.96	<0.01
22-Mar-17	8.3	<10	<2	890	<100	<0.1
15-Sep-16	7.9	63	<5	6	<100	<0.1