Regional Infrastructure Pty Ltd
Central Tablelands Livestock Exchange (CTLX)
4860 Mid Western Highway
EPL 12630
Livestock intensive activity- animal accomodation

Sampling Point 1 (Effluent MP1)

Sampling Frequency (during discharge)			Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Sodium Adsorption Ratio (SAR)**	**Electrical Conductivity (µS/cm)**	**Total Suspended Solids (mg/L)**	**Calcium (mg/L)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrate + Nitrite as N (mgN/L)**	**Total Kjeldahl Nitrogen (mgN/L)**	**Total Nitrogen (mg/L)**	**Total Phosphorus (mg/L)**	**Reactive Phosphorus (mg/L)**	**Oil and Grease (mg/L)**	**Biochemical Oxygen Demand**
20-Jun-12	28-Jun-12		7.98	1.81	1400	55	45	25	61	214	26.3	<0.01	32.2	32.2	21.0	16.6	<5	24
24-Sep-12	18-Jan-13		8.12	1.95	2340	40	42	24	64	222	31.6	<0.10	53.9	53.9	21.9	17.3	<5	21
3-Dec-12	18-Jan-13		8.15	2.27	1480	226	46	29	80	290	1.77	20.1	29	49.1	21.8	19.1	<5	78
4-Mar-13	16-May-13		7.83	2.06	1640	94	56	30	77	259	15.2	0.02	38.1	38.1	20.0	19	<5	60
19-Jun-13	11-Jul-13		7.93	2.21	1930	104	57	30	83	256	46.9	0.03	56.9	56.9	20.5	18.4	<5	28
2-Sep-13	2-Oct-13		8.04	2.33	1900	68	53	29	85	251	37.1	<0.10	68.4	68.4	23.9	17.9	<5	29
2-Dec-13	21-Jan-14		7.92	2.25	2060	258	78	33	94	249	42.8	5.66	68.7	74.4	22.9	20.6	<5	82
12-Mar-14	29-Apr-14		7.93	2.60	1930	136	70	38	109	319	8.5	1.79	37.2	39	27.0	19.5	<5	89
11-Jun-14	23-Jul-14		8.05	2.78	2080	39	64	37	113	266	31.4	<0.10	52.1	52.1	25.7	21.9	<5	<2
4-Sep-14	25-Sep-14		8.12	2.48	2080	70	61	32	96	259	45.4	<0.10	63.9	63.9	25.6	20.8	8	14
2-Dec-14	13-Jan-15		7.97	2.80	2140	260	59	34	109	299	27.2	3.72	69.2	72.9	29.0	21.7	<5	223
4-Mar-15	13-Mar-15		8.25	3.00	2060	41	45	30	106	281	12.2	0.02	32.2	32.2	23.8	15.5	12	16
15-Jun-15	2-Jul-15		7.95	2.81	2140	66	59	37	105	368	46.2	<0.05	68.2	68.2	26.6	24	13	19
7-Sep-15	8-Oct-15		8.07	2.60	1960	104	55	33	99	300	48.4	< 0.1	77.00	77.00	24.6	15.7	30	36
7-Dec-15	15-Jan-16		8.00	2.42	2180	318	61	34	95	334	44.0	0.02	78.7	78.7	26.0	78.7	18	8
15-Mar-16	13-May-16		8.28	2.88	2160	96	61	35	114	374	26.0	<0.01	43.3	43.3	18.0	17.3	24	3
2-Jun-16	29-Jun-16		7.94	3.08	2210	109	53	31	114	370	47.3	<0.10	50.9	50.9	22.1	21.2	10	17
7-Sep-16	28-Oct-16		7.99	2.00	1520	51	44	25	67	218	38.2	0.22	51.1	51.3	17.1	14.3	10	10
8-Dec-16	22-Dec-16		7.83	2.22	1310	302	38	24	71	202	16.8	5.2	61	66.2	18.9	13.1	<5	54
6-Apr-17	24-Apr-17		7.93	2.18	1720	50	43	24	72	238	29.0	<0.01	48.7	48.7	21.4	14.5	6	26
21-Aug-17	6-Sep-17		8.06	2.20	1860	69	53	30	81	259	53.0	<0.01	79.6	79.6	17.6	17.2	11	24
15-Jan-18	25-Jan-18		7.97	2.89	2040	88	47	31	104	332	39.6	<0.01	79.7	25.7	25.7	19.1	5	190
30-Apr-18	17-May-18		8.04	2.62	2270	101	63	37	106	330	52.0	<0.10	72	72	29.5	24	13	42
25-Jul-18	13-Aug-18		8.10	2.70	2330	68	64	39	111	317	50.6	0.02	74.6	74.6	24.4	22.8	7	40
18-Dec-18	21-Feb-19		8.08	2.83	2230	133	55	35	109	276	35.8	0.1	35.7	35.8	25.9	19.6	9	244
10-Jan-19	21-Feb-19		7.69	3.09	2200	532	60	40	126	375	1.8	13.7	52.5	66.2	30.8	18.2	-	139
3-May-19	15-Jul-19		7.90	2.95	2060	2.95	68	45	128	370	22.3	<0.10	44	44	24.9	17.6	-	177
13-Jan-20	19-Feb-20		7.80	3.58	2710	2030	72	59	169	486	16.6	0.03	68.8	68.8	36.4	15.3	-	148
23-Mar-20	22-Apr-20		8.02	3.02	2660	131	56	42	123	300	18.3	<0.10	37.8	37.8	27.8	22	9	74
2-Jul-20	20-Jul-20		8.00	3.42	2600	85	58	45	143	415	28.5	0.06	38	38.1	21.6	18.2	7	<2

Sampling Point 2 (Groundwater MP2)

Sampling Frequency (where liquid is present)			Quarterly	Quarterly	Quarterly	Quarterly	Monthly
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Standing Water Level (mAHD)**
16-Apr-12							
18-May-12							
20-Jun-12	28-Jun-12		7.16	616	0.59	0.33	850.61
17-Jul-12							
14-Aug-12							
24-Sep-12	18-Jan-13		7.50	639	0.59	0.47	851.18
14-Oct-12							
13-Nov-12							
3-Dec-12	18-Jan-13		7.53	625	0.78	0.32	851.43
24-Jan-13							851.40
22-Feb-13							851.30
4-Mar-13	16-May-13		7.05	616	0.79	0.4	851.35
16-Apr-13							851.37
16-May-13							851.40
19-Jun-13	11-Jul-13		7.20	636	0.89	0.32	851.43
26-Jul-13							851.37
23-Aug-13							851.45
2-Sep-13	2-Oct-13		7.29	629	0.82	0.22	851.40
17-Oct-13							851.50
21-Nov-13							851.55
2-Dec-13	21-Jan-14		6.87	633	0.72	0.27	851.54
15-Jan-14							851.65
19-Feb-14							851.65
12-Mar-14	29-Apr-14		7.08	644	0.81	1.01	851.63
7-Apr-14							851.75
12-May-14							851.78
11-Jun-14	23-Jul-14		6.96	632	0.45	0.26	851.71
9-Jul-14							851.80
6-Aug-14							851.85
4-Sep-14	25-Sep-14		7.32	645	0.56	0.18	851.89
8-Oct-14							852.00
11-Nov-14							852.10
2-Dec-14	13-Jan-15		7.35	641	0.45	0.20	852.23
14-Jan-15							852.25

2-Feb-15							852.15
4-Mar-15							852.09
15-Jun-15	2-Jul-15		6.9	638	0.56	0.83	852.11
7-Sep-15	8-Oct-15		7.14	615	0.53	0.5	852.35
7-Dec-15	15-Jan-16		7.27	668	0.45	0.12	851.81
15-Mar-16	13-May-16		7.43	632	0.65	0.25	852.78
2-Jun-16	29-Jun-16		7.02	646	0.34	0.4	852.68
7-Sep-16	28-Oct-16		6.91	634	0.56	0.11	851.93
8-Dec-16	22-Dec-16		7.19	604	0.84	0.41	855.19
6-Apr-17	24-Apr-17		7.13	636	0.75	0.12	854.85
21-Aug-17	6-Sep-17		7.54	605	0.35	0.16	853.85
11-Dec-17							854.3
15-Jan-18	25-Jan-18		7.29	617	0.63	0.34	854.45
16-Feb-18							854.45
9-Mar-18							854.5
30-Apr-18	17-May-18		7.18	614	0.64	0.31	854.57
25-May-18							854.55
14-Jun-18							854.65
25-Jul-18	13-Aug-18		7.12	621	0.79	0.23	854.64
16-Aug-18							854.65
12-Sep-18							854.65
26-Oct-18							855.15
23-Nov-18							855.05
18-Dec-18	21-Feb-19		7	588	0.69	0.16	854.85
10-Jan-19	21-Feb-19		6.8	620	0.07	0.38	854.65
14-Feb-19							854.45
20-Mar-19							854.65
11-Apr-19							855.15
15-May-19	15-Jul-19		7.32	473	0.21	0.14	854.85
19-Jun-19							854.65
17-Jul-19							854.45
7-Aug-19							854.27
12-Sep-19							854.5
17-Oct-19							854.65
14-Nov-19							854.75
5-Dec-19							855.15
13-Jan-20	19-Feb-20		7.36	674	0.31	0.12	854.37
18-Feb-20							854.28
23-Mar-20	22-Apr-20		7.23	626	0.17	0.06	854.33
2-Jul-20	20-Jul-20		7.34	771	0.72	0.34	854.38

Sampling Point 3 (Groundwater MP3)

Sampling Frequency (where liquid is present)			Quarterly	Quarterly	Quarterly	Quarterly	Monthly
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Standing Water Level (mAHD)**
16-Apr-12							
18-May-12							
20-Jun-12	28-Jun-12		6.99	466	0.02	0.1	852.36
17-Jul-12							
14-Aug-12							
24-Sep-12	18-Jan-13		7.36	476	0.02	0.23	852.91
14-Oct-12							
13-Nov-12							
3-Dec-12	18-Jan-13		7.45	470	0.06	0.09	853.08
24-Jan-13							853.01
22-Feb-13							852.96
4-Mar-13	16-May-13		6.95	454	0.12	0.05	852.89
16-Apr-13							852.91
16-May-13							852.93
19-Jun-13	11-Jul-13		7.07	482	0.06	<0.01	852.89
26-Jul-13							852.93
23-Aug-13							852.95
2-Sep-13	2-Oct-13		7.17	494	0.06	0.07	852.97
17-Oct-13							853.06
21-Nov-13							853.11
2-Dec-13	21-Jan-14		6.79	484	0.04	0.05	853.21
15-Jan-14							853.61
19-Feb-14							853.41
12-Mar-14	29-Apr-14		6.76	505	0.11	1.90	853.09
7-Apr-14							853.13
12-May-14							853.17
11-Jun-14	23-Jul-14		6.71	505	0.04	0.19	853.09
9-Jul-14							853.16
6-Aug-14							853.21
4-Sep-14	25-Sep-14		7.09	518	0.07	0.08	853.29
8-Oct-14							853.31
11-Nov-14							853.41
2-Dec-14	13-Jan-15		7.20	517	0.05	0.26	853.45
14-Jan-15							853.56
2-Feb-15							853.51

4-Mar-15							853.49
15-Jun-15	2-Jul-15		6.54	496	0.08	0.17	853.39
7-Sep-15	8-Oct-15		6.95	465	0.16	0.05	854.19
7-Dec-15	15-Jan-16		6.95	499	0.09	0.04	854.37
15-Mar-16	13-May-16		7.16	494	0.12	0.04	853.86
2-Jun-16	29-Jun-16		6.8	513	0.11	0.15	854.35
7-Sep-16	28-Oct-16		6.64	534	0.18	0.04	855.47
8-Dec-16	22-Dec-16		6.94	550	0.23	0.09	856.47
6-Apr-17	24-Apr-17		6.8	575	0.15	0.03	856.00
21-Aug-17	6-Sep-17		7.2	571	0.08	0.1	855.41
11-Dec-17							855.21
15-Jan-18	25-Jan-18		7.29	565	0.05	3.19	855.21
16-Feb-18							855.31
9-Mar-18							855.36
30-Apr-18	17-May-18		6.83	569	0.13	0.12	855.42
25-May-18							855.41
14-Jun-18							855.46
25-Jul-18	13-Aug-18		7.04	598	0.7	0.13	855.41
16-Aug-18							855.36
12-Sep-18							855.31
26-Oct-18							855.16
23-Nov-18							855.11
18-Dec-18	21-Feb-19		6.71	521	0.1	0.05	854.94
10-Jan-19	21-Feb-19		6.64	545	0.22	0.22	855.08
14-Feb-19							855.01
20-Mar-19							855.11
11-Apr-19							854.98
15-May-19	15-Jul-19		6.9	429	0.11	0.04	855.26
19-Jun-19							855.21
17-Jul-19							855.31
7-Aug-19							855.21
12-Sep-19							854.81
17-Oct-19							854.71
14-Nov-19							854.91
5-Dec-19							855.21
13-Jan-20	19-Feb-20		7.16	588	0.09	0.04	854.61
18-Feb-20							854.41
23-Mar-20	22-Apr-20		6.93	562	0.22	0.05	854.55
2-Jul-20	20-Jul-20		7.16	619	0.2	0.16	855.04

Sampling Point 4 (Groundwater MP4)

Sampling Frequency (where liquid is present)			Quarterly	Quarterly	Quarterly	Quarterly	Monthly
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Standing Water Level (mAHD)**
16-Apr-12							
18-May-12							
20-Jun-12	28-Jun-12		7.16	567	0.32	1.08	851.46
17-Jul-12							
14-Aug-12							
24-Sep-12	18-Jan-13		7.42	616	0.34	1.30	852.88
14-Oct-12							
13-Nov-12							
3-Dec-12	18-Jan-13		7.57	544	0.34	1.26	852.01
24-Jan-13							852.00
22-Feb-13							851.95
4-Mar-13	16-May-13		7.12	539	0.4	0.52	851.99
16-Apr-13							852.05
16-May-13							852.05
19-Jun-13	11-Jul-13		7.13	494	0.14	0.07	852.06
26-Jul-13							852.07
23-Aug-13							852.10
2-Sep-13	2-Oct-13		7.33	542	0.41	0.57	852.14
17-Oct-13							852.20
21-Nov-13							852.25
2-Dec-13	21-Jan-14		6.95	558	0.40	0.79	852.35
15-Jan-14							852.55
19-Feb-14							852.35
12-Mar-14	29-Apr-14		6.97	562	0.44	0.90	852.35
7-Apr-14							852.40
12-May-14							852.50
11-Jun-14	23-Jul-14		7.17	553	0.42	0.21	852.43
9-Jul-14							852.50
6-Aug-14							852.45
4-Sep-14	25-Sep-14		7.18	567	0.48	0.45	852.69
8-Oct-14							852.75
11-Nov-14							852.85
2-Dec-14	13-Jan-15		7.38	559	0.46	0.15	852.80
14-Jan-15							852.90
2-Feb-15							852.85
4-Mar-15							852.85

15-Jun-15	2-Jul-15		6.84	559	0.51	0.31	852.88
7-Sep-15	8-Oct-15		7.15	527	0.56	0.16	853.17
7-Dec-15	15-Jan-16		7.19	579	0.59	0.18	853.4
15-Mar-16	13-May-16		7.44	554	0.59	0.07	853.45
2-Jun-16	29-Jun-16		6.93	574	0.62	0.22	853.45
7-Sep-16	28-Oct-16		6.78	588	0.67	0.24	854.11
8-Dec-16	22-Dec-16		7.16	558	0.66	0.19	855.04
6-Apr-17	24-Apr-17		6.97	607	0.71	0.15	855.01
21-Aug-17	6-Sep-17		7.34	530	0.68	0.16	854.95
11-Dec-17							854.95
15-Jan-18	25-Jan-18		7.28	597	0.66	0.16	854.93
16-Feb-18							854.85
9-Mar-18							854.8
30-Apr-18	17-May-18		7.11	596	0.74	0.2	854.75
25-May-18							854.75
14-Jun-18							854.75
25-Jul-18	13-Aug-18		6.87	569	0.14	0.09	854.77
16-Aug-18							854.85
12-Sep-18							854.75
26-Oct-18							854.75
23-Nov-18							854.8
18-Dec-18	21-Feb-19		6.83	562	0.69	0.14	854.72
10-Jan-19	21-Feb-19		6.93	582	0.73	0.18	854.68
14-Feb-19							854.75
20-Mar-19							854.82
11-Apr-19							854.95
15-May-19	15-Jul-19		7.11	465	0.74	0.26	854.92
19-Jun-19							854.87
17-Jul-19							854.79
7-Aug-19							854.65
12-Sep-19							854.68
17-Oct-19							854.84
14-Nov-19							854.95
5-Dec-19							855.05
13-Jan-20	19-Feb-20		7.31	650	0.72	0.26	854.65
18-Feb-20							854.45
23-Mar-20	22-Apr-20		7.16	598	0.78	0.12	854.42
2-Jul-20	20-Jul-20		7.52	673	1.18	0.13	854.67

Sampling Point 5 (Groundwater MP5)

Sampling Frequency (where liquid is present)			Quarterly	Quarterly	Quarterly	Quarterly	Monthly
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Standing Water Level (mAHD)**
16-Apr-12							
18-May-12							
20-Jun-12	28-Jun-12		7.11	292	1.92	0.28	847.93
17-Jul-12							
14-Aug-12							
24-Sep-12	18-Jan-13		7.42	616	0.34	1.30	848.05
14-Oct-12							
13-Nov-12							
3-Dec-12	18-Jan-13		7.59	318	2.57	0.74	848.01
24-Jan-13							847.97
22-Feb-13							847.87
4-Mar-13	16-May-13		7.22	329	2.18	0.35	847.92
16-Apr-13							847.94
16-May-13							847.87
19-Jun-13	11-Jul-13		7.27	330	2.28	0.27	847.83
26-Jul-13							847.77
23-Aug-13							847.80
2-Sep-13	2-Oct-13		7.33	321	2.85	0.30	847.83
17-Oct-13							847.87
21-Nov-13							847.87
2-Dec-13	21-Jan-14		6.98	318	2.42	0.12	847.92
15-Jan-14							847.92
19-Feb-14							847.82
12-Mar-14	29-Apr-14		6.88	305	2.26	0.85	847.80
7-Apr-14							847.87
12-May-14							847.93
11-Jun-14	23-Jul-14		6.91	313	2.5	0.15	847.83
9-Jul-14							847.82
6-Aug-14							847.87
4-Sep-14	25-Sep-14		7.29	334	3.18	0.23	847.96
8-Oct-14							847.97
11-Nov-14							847.92
2-Dec-14	13-Jan-15		7.53	312	2.62	0.30	847.98
14-Jan-15							848.07
2-Feb-15							848.12
4-Mar-15							848.11
15-Jun-15	2-Jul-15		6.89	333	2.55	0.2	848.01

7-Sep-15	8-Oct-15		7.58	321	2.69	0.1	847.91
7-Dec-15	15-Jan-16		7.23	349	2.78	0.12	848.28
15-Mar-16	13-May-16		7.59	329	2.52	0.06	848.16
2-Jun-16	29-Jun-16		7.02	333	2.66	0.17	848.10
7-Sep-16	28-Oct-16		6.78	618	21.7	0.08	849.57
8-Dec-16	22-Dec-16		7.09	537	15.2	0.16	849.93
6-Apr-17	24-Apr-17		6.89	529	13.2	0.06	848.81
21-Aug-17	6-Sep-17		7.41	483	9.85	0.12	849.02
11-Dec-17							848.82
15-Jan-18	25-Jan-18		7.3	422	6.66	0.16	848.72
16-Feb-18							848.62
9-Mar-18							848.52
30-Apr-18	17-May-18		7.24	405	5.61	0.12	848.26
25-May-18							848.22
14-Jun-18							848.27
25-Jul-18	13-Aug-18		6.97	425	5.42	0.09	848.24
16-Aug-18							848.32
12-Sep-18							848.27
26-Oct-18							848.32
23-Nov-18							848.22
18-Dec-18	21-Feb-19		6.92	378	4.72	0.09	848.1
10-Jan-19	21-Feb-19		7	397	5.14	0.09	849.12
14-Feb-19							848.22
20-Mar-19							848.67
11-Apr-19							848.12
15-May-19	15-Jul-19		7.29	265	4.56	0.07	848.32
19-Jun-19							848.27
17-Jul-19							848.32
7-Aug-19							848.42
12-Sep-19							848.22
17-Oct-19							848.32
14-Nov-19							848.52
5-Dec-19							848.67
13-Jan-20	19-Feb-20		7.35	523	10.3	0.09	848.12
18-Feb-20							848.04
23-Mar-20	22-Apr-20		7.34	457	7.52	0.07	847.54
2-Jul-20	20-Jul-20		7.33	378	4.46	0.18	847.69

Sampling Point 6 (Soils of effluent irrigation area, average of topsoil and subsoil)

Sampling Frequency (where application has occurred during that year)			Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Cation Exchange Capacity (cmol+/kg)**	**Exchangeable Sodium Percentage (%)**	**Nitrate as N (mgN/kg)**	**Total Kjeldahl Nitrogen (mgN/kg)**	**Total Nitrogen (mg/kg)**	**Organic Carbon (%)**	**Reactive Phosphorus (mg/kg)**
24-Sep-12	18-Jan-13		5.75	23.5	2.5	1.05	<0.55*	180	180	0.295	0.65
2-Sep-13	2-Oct-13		6.25	32.5	4.6	0.95	2.4	430	430	0.55	<0.1
30-Sep-14	15-Oct-14		7.45	47	3.95	1.4	1.4	430	430	0.65	8.7
27-Oct-15	17-Nov-15		6.8	11	3.15	8.95	1.05	410	410	0.53	0.65
07-Sep-16	28-Oct-16		7.3	30	3.95	<0.2	1.05	405	405	0.355	5.6
15-Jan-18	25-Jan-18		7.5	187.5	6.3	4.7	33.85	935	970	10.6	0.695
10-Jan-19	21-Feb-19		4.5	731.5	3.05	11.35	7.35	655	660	0.675	<0.1
13-Jan-20	19-Feb-20		7.3	190	11.05	42.25	45.9	1130	1175	1.14	8.25

*Nox