

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

Sampling Point 3 (Groundwater MP3)

Sampling Frequency (where liquid is present)

Date Sampled	Date Obtained	Date Published	Quarterly pH (pH units)	Quarterly Electrical Conductivity (µS/cm)	Quarterly Nitrate as N (mg/L)	Quarterly Total Phosphorus (mg/L)	Monthly 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

Sampling Point 4 (Groundwater MP4)

Date Sampled		Date Obtained	Date Published	Quarterly pH (pH units)	Quarterly Electrical Conductivity (µS/cm)	Quarterly Nitrate as N (mgN/L)	Quarterly Total Phosphorus (mg/L)	Monthly 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

Sampling Point 5 (Groundwater MP5)

Sampling Frequency (where liquid is present)							
Date Sampled	Date Obtained	Date Published	Quarterly pH (pH units)	Quarterly Electrical Conductivity (µS/cm)	Quarterly Nitrate as N (mgN/L)	Quarterly Total Phosphorus (mg/L)	Monthly 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

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

Sampling Frequency (where application has occurred during that year)											
Date Sampled	Date Obtained	Date Published	Annual pH (pH units)	Annual Electrical Conductivity (µS/cm)	Annual Cation Exchange Capacity (cmol+/kg)	Annual Exchangeable Sodium Percentage (%)	Annual Nitrate as N (mgN/kg)	Annual Total Kjeldahl Nitrogen (mgN/kg)	Annual Total Nitrogen (mg/kg)	Annual Organic Carbon (%)	Annual 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