

Groundwater Monitoring Data July 2020

Published: 3/8/2020 Licensee: Cargill Newcastle EPL no.: 5810									
Qualifications related to limits Samples taken as per approved methods.									
EPA Point ID	Sampling Date	Date Results Received	Pollutant	Measurement Period and Monitoring Frequency Required by Licence	Units	Value	2020 Values to date		
							Min Value	Mean Value	Max Value
6	21/07/2020	28/07/2020	pH	Every 6 months	pH	7.57	7.26	2.42	7.57
			Calcium	Every 6 months	mg/L	79	73	76	79
			Conductivity	Every 6 months	µS/cm	1,940	1,940	2,465	2,990
			Magnesium	Every 6 months	mg/L	34	34	36	28
			Nitrate	Every 6 months	mg/L	0.03	0.01	0.02	0.03
			Nitrogen (total)	Every 6 months	mg/L	5.1	5.1	10.9	16.6
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	5.1	5.1	10.9	16.6
			Phosphorus (total)	Every 6 months	mg/L	21.7	21.7	37.95	54.2
			Sodium	Every 6 months	mg/L	294	294	417	540
			Sulfate	Every 6 months	mg/L	33	10	19	33
			Total Dissolved Solids	Every 6 months	mg/L	1,040	1,040	1,460	1,880
Standing Water Level	Every 6 months	m	2	2	2	2			
7	14/07/2020	23/07/2020	pH	Every 6 months	pH	7.45	7.19	7.33	7.45
			Calcium	Every 6 months	mg/L	160	84	135	162
			Conductivity	Every 6 months	µS/cm	2,060	1,890	2,326.7	3,030
			Magnesium	Every 6 months	mg/L	23	13	19.3	23
			Nitrate	Every 6 months	mg/L	0.09	0.09	0.72	1.41
			Nitrogen (total)	Every 6 months	mg/L	20.6	20.6	28.9	38.6
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	20.5	20.5	28	37
			Phosphorus (total)	Every 6 months	mg/L	5.26	2.1	3.45	5.26
			Sodium	Every 6 months	mg/L	236	236	304	397
			Sulfate	Every 6 months	mg/L	239	1	209	387
			Total Dissolved Solids	Every 6 months	mg/L	1,440	1,010	1,355	1,700
Standing Water Level	Every 6 months	m	<1	1.2	1	1.2			

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							Min Value	Mean Value	Max Value
8	21/07/2020	28/07/2020	pH	Every 6 months	pH	7.58	7.58	7.59	7.6
			Calcium	Every 6 months	mg/L	69	69	86	102
			Conductivity	Every 6 months	µS/cm	2,510	865	1,688	2,510
			Magnesium	Every 6 months	mg/L	36	12	24	36
			Nitrate	Every 6 months	mg/L	<0.01	0.01	0.1	0.14
			Nitrogen (total)	Every 6 months	mg/L	5.5	2.3	3.9	5.5
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	5.5	2.2	3.9	5.5
			Phosphorus (total)	Every 6 months	mg/L	3.42	1.02	2.2	3.42
			Sodium	Every 6 months	mg/L	422	53	238	422
			Sulfate	Every 6 months	mg/L	124	36	80	124
			Total Dissolved Solids	Every 6 months	mg/L	1,330	550	940	1,330
Standing Water Level	Every 6 months	m	4	2	3	4			
9	14/07/2020	23/07/2020	pH	Every 6 months	pH	7.55	7.55	7.7	7.9
			Calcium	Every 6 months	mg/L	103	66	79	103
			Conductivity	Every 6 months	µS/cm	2,230	2,230	2,283	2,310
			Magnesium	Every 6 months	mg/L	45	38	43	45
			Nitrate	Every 6 months	mg/L	0.38	0.02	0.18	0.38
			Nitrogen (total)	Every 6 months	mg/L	2.9	2.9	7.1	14.5
			Total Kjeldahl Nitrogen	Every 6 months	mg/L	2.5	2.5	6.9	14.5
			Phosphorus (total)	Every 6 months	mg/L	1.94	1.94	5.58	12.7
			Sodium	Every 6 months	mg/L	320	320	373	412
			Sulfate	Every 6 months	mg/L	359	62	181	359
			Total Dissolved Solids	Every 6 months	mg/L	1,560	1,370	1,443	1,560
Standing Water Level	Every 6 months	m	1	1	2	4			