



Fletcher International Exports

Period **2017-2018**
Licence Number **5241**
Anniversary Date **16-Apr**

Ground Water Monitoring	Sampling Point	YP 2A	YP2B	BH2A	BH2B	BH3A	LP	BH11	YP1A	YP1B	BH8A	BH8B											
	Parameter	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	18	18	20	20
	Conductivity uS/cm	6240	6510	8190	8550	Dry	Dry	3830	6100	Dry	Dry	1450	1540	820	850	Dry	Dry	6070	6270	Dry	Dry	2560	3790
	Nitrate + Nitrite (oxidised nitrogen) mg/L	<0.1	<0.1	15	19.32	Dry	Dry	1.25	9.2	Dry	Dry	0.98	2.6	9.0	9.3	Dry	Dry	7.6	9.7	Dry	Dry	19	24
	pH	7.6	7.7	7.6	8.0	Dry	Dry	7.4	7.5	Dry	Dry	7.3	7.3	7.5	8.1	Dry	Dry	7.7	7.8	Dry	Dry	7.1	7.9
	Phosphorus (total) mg/L	0.12	0.68	0.16	0.29	Dry	Dry	0.93	2.2	Dry	Dry	0.17	0.27	0.12	0.18	Dry	Dry	3.3	5.1	Dry	Dry	0.23	0.27

Standing Water Level (meters)	Sampling Point	YP 2A	YP2B	BH2A	BH2B	BH3A	LP	BH11	YP1A	YP1B	BH8A	BH8B
	Measurement	8	9	10	11	12	13	14	15	16	18	20
	Measurement 1	24	10.3	Dry	8.5	Dry	10.2	13.2	Dry	26.3	Dry	20.4
	Measurement 2	24.2	10.3	Dry	8.7	Dry	10.3	13.5	Dry	26.5	Dry	20.5

Volume Monitoring (kilolitres)	Sampling Point	P1T	P1B	P2F	P2B	P3F	P3B
	Measurement	2	2	3	3	4	4
	Measurement 1	10174	10174	21797	21797	7295	17023
	Measurement 2	5174	5174	8091	8091	3681	8589
	Measurement 3	21432	21432	5374	5374	4225	9859
	Measurement 4	5342	5342	5274	5274	4090	9543
	Measurement 5	18713	18713	7091	7091	7268	17001
	Measurement 6	107	107	21437	21437	10089	23541
	Measurement 7	3750	3750	21027	21027		
	Measurement 8	32009	32009	18714	18714		
	Measurement 9	283	283	10125	10125		
	Measurement 10	21826	21826	25370	25370		
	Measurement 11	10730	10730	6576	6576		
	Measurement 12			27755	27755		
	Measurement 13			13	13		

Soil Monitoring 0-10 cm	Sampling Point	P1T	P2F	P3F			
	Measurement	5	6	7			
	Available Phosphours mg/kg	High	Low	High	Low	High	Low
	Ex Calcium mg/kg	17	16	27	19	75	32
	Ex Magnesium mg/kg	950	880	1420	1390	1170	850
	Ex Potassium mg/kg	360	320	370	300	400	350
	Ex Sodium mg/kg	780	510	1120	1050	950	860
	Nitrogen (total) mg/kg	260	140	690	430	410	270
	Organic Carbon mg/kg	1070	820	1070	820	1510	770
	pH	13000	9150	14700	11400	14100	10000
	PSC mg/kg	7.6	7.6	8.2	7.9	8.5	8.1
	Salinity mg/kg	390	310	340	280	330	270
		620	500	1270	850	1400	850

Soil Monitoring 90-100 cm	Sampling Point	P1T	P2F	P3F			
	Measurement	5	6	7			
	Available Phosphours mg/kg	High	Low	High	Low	High	Low
	Ex Calcium mg/kg	2.5	7.5	3.5	3	20	10
	Ex Magnesium mg/kg	1,010	640	1,180	1,050	890	830
	Ex Potassium mg/kg	230	220	220	210	270	260
	Ex Sodium mg/kg	580	420	660	570	610	590
	Nitrogen (total) mg/kg	370	150	980	690	490	380
	Organic Carbon mg/kg	580	450	720	610	540	440
	pH	5,970	4,890	7,620	6,670	5,400	3,750
	PSC mg/kg	8.3	7.9	8.5	8.2	8.8	8.8
	Salinity mg/kg	440	300	400	360	320	300
		520	520	2,300	940	680	520

Discharge Quality Monitoring	Sampling Point 1	Point 8			
	Measurement	High	Low	Average	10 Samples
	BOD mg/kg	63	27	45	4
	Conductivity uS/cm	4570	3600	4085	4
	Total Nitrogen mg/L	190	170	180	4
	Oil and Grease mg/L	11	<2	5.5	4
	pH	7.9	7.5	7.7	4
	Total Phosphorus mg/L	36	26	30	4