

EF42 - PIEZOMETER TESTING RESULTS - 2021

Approved By: General Manager

Version: 1

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*Not Tested (NT) No Sample (NS)

ANALYSIS	BH1	BH2	BH3	BH4	BH5	BH6	BH7	BH8	BH9	BH10	BH11	BH12	BH13	HIGH	LOW	AVE
Chromium Total - mg/L	0.004	0.002	0.004	0.002	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.004	0.003	0.004	0.002	0.0
Electrical Conductivity - µS/m	4910	5840	18600	9230	9870	17700	12400	3930	7610	11200	8600	21400	20600	21400	3930	11683.8
Nitrogen Total - mg/L	110	2	0.21	240	5.7	4.6	1.9	8.3	1.2	0.55	3.8	1.8	0.071	240	0.071	29.2
pH - pH units	6.33	6.93	7.22	6.91	7.02	7.34	6.96	7.4	6.99	7.01	7.18	7.22	7.22	7.4	6.33	7.1
Phosphorus Total - mg/L	0.5	0.1	0.057	0.1	0.13	0.32	0.27	0.1	0.044	0.052	0.051	0.06	0.047	0.5	0.044	0.1
Redox Potential	390	330	350	360	340	320	340	290	300	300	300	340	330	390	290	330.0
Standing Water Level - m	6.94	8.66	5.96	6.69	5.66	4.9	5.34	6	3.76	4.35	4.84	4.33	3.8	8.66	3.76	5.5
Sulphide - mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0
BOD - mg/L	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7.0
Total Kjeldahl Nitrogen as N - mg/L	0.05	0.1	0.09	0.05	0.2	4.5	1.1	0.05	1.2	0.54	0.5	0.05	0.07	4.5	0.05	0.7
Nitrate N - mg/L	110	1.9	0.12	240	5.5	0.067	0.81	8.3	0.005	0.006	3.3	1.8	0.005	240	0.005	28.6
Nitrite N - mg/L	0.054	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.01	0.005	0.005	0.005	0.005	0.054	0.005	0.0
Total Suspended Solids @103-105°C -mg/L	14	3.5	2.5	3	7	27	10	13	21	5.5	1	2	18	27	1	9.8
Total Dissolved Solids - mg/L	4100	4100	12800	7800	7000	12000	9600	2400	5300	7700	6200	13900	14500	14500	2400	8261.5
Ammonia as N in water - mg/L	0.005	0.005	0.005	0.005	0.005	3.3	0.005	0.005	0.89	0.27	0.005	0.005	0.005	3.3	0.005	0.3
Sulphate, SO4 - mg/L	1400	940	1420	1740	960	1360	1530	300	440	720	870	1670	1810	1810	300	1166.2
Sulphite - mg/L	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Hexavalent Chromium, Cr ₆₊ - mg/L	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.0
COD - mgO ₂ /L	5	20	20	10	2	10	20	15	20	20	10	20	30	30	2	15.5
Chloride - mg/L	820	1500	6800	2000	3500	6500	4200	970	2400	3800	2700	8100	7200	8100	820	3883.8
Sodium - mg/L	500	860	2310	1060	1370	2340	1860	570	920	1970	1230	3240	2620	3240	500	1603.8
Potassium mg/L	6.4	4.5	9.1	7.3	6.9	11	11	2.3	6.9	12	9.4	20	19	20	2.3	9.7
Calcium - mg/L	320	200	860	560	390	790	550	130	370	330	300	630	960	960	130	491.5
Magnesium - mg/L	280	180	740	460	340	820	520	120	240	290	270	720	860	860	120	449.2
Manganese - mg/L	0.01	0.09	0.02	0.01	0.01	0.39	0.33	0.01	3.6	2.1	0.02	0.08	6.1	6.1	0.01	1.0
Arsenic - mg/L	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
Cadmium - mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0
Copper - mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0
SAR - SAR Units	4.9	10.6	13.9	8	12.2	13.9	13.6	8.7	9.2	19.1	12.4	20.9	14.8	20.9	4.9	12.5
Total Sulfur - mg/L	440	270	410	660	290	430	440	100	150	240	280	570	580	660	100	373.8
Iron - mg/L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0	0	#DIV/0!
DEM (Oil and Grease) - mg/L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0
Lead - mg/L	0.02	0.02	0.02	0.04	0.02	0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.09	0.1	0.02	0.0
Mercury - mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nickel - mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.0
Zinc - mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0