

EF42 - PIEZOMETER TESTING RESULTS - 2022

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*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	0.002	0.002	0.005	0.004	0.005	0.007	0.005	0.002	0.002	0.002	0.002	0.006	0.002	0.007	0.002	0.0
Electrical Conductivity - µS/m	4830	5450	17800	8320	8850	19300	10800	3540	7000	9730	7980	17900	19800	19800	3540	10869.2
Nitrogen Total - mg/L	120	2.3	1.5	7.9	6.7	5.3	2.6	10	0.18	1.1	4.7	0.85	0.29	120	0.18	12.6
pH - pH units	6.6	7.21	7.14	7.03	7.11	7.2	7	7.47	6.89	7.29	7.35	7.37	7.45	7.47	6.6	7.2
Phosphorus Total - mg/L	0.061	0.011	0.22	0.042	0.033	1.3	0.094	0.034	0.024	0.2	0.014	0.024	0.034	1.3	0.011	0.2
Redox Potential	320	300	440	340	270	110	290	260	260	260	290	270	290	440	110	284.6
Standing Water Level - m	4.61	7.06	4.57	5.18	3.61	2.81	3.11	4.67	1.7	2.34	2.49	1.75	1.45	7.06	1.45	3.5
Sulphide - mg/L	0.02	0.02	0.02	0.02	0.02	0.36	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.36	0.02	0.0
BOD - mg/L	2	2	2	2	2	420	2	2	2	2	2	2	2	420	2	34.2
Total Kjeldahl Nitrogen as N - mg/L	20	0.1	1.5	0.05	0.1	5.3	0.6	0.05	0.17	1.1	0.05	0.06	0.05	20	0.05	2.2
Nitrate N - mg/L	100	2.2	0.008	7.9	6.6	0.005	2	10	0.006	0.005	4.7	0.79	0.58	100	0.005	10.4
Nitrite N - mg/L	0.023	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.13	0.13	0.005	0.0
Total Suspended Solids @103-105°C - mg/L	7.5	3.4	5	1	1	11	1	5	24	9.7	1	1	13	24	1	6.4
Total Dissolved Solids - mg/L	4300	4300	12400	6900	7100	12100	9500	2500	5800	7500	6500	12500	14700	14700	2500	8161.5
Ammonia as N in water - mg/L	0.013	0.005	1.1	0.005	0.008	5.2	0.005	0.018	0.005	0.71	0.005	0.005	0.007	5.2	0.005	0.5
Sulphate, SO4 - mg/L	1460	920	1310	860	930	1300	1450	310	440	700	930	1480	1760	1760	310	1065.4
Sulphite - mg/L	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5
Hexavalent Chromium, Cr6+ - mg/L	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.001	0.004	0.004	0.001	0.0
COD - mgO ₂ /L	25	25	470	35	20	420	70	10	40	25	5	380	310	470	5	141.2
Chloride - mg/L	970	1500	6400	2800	3100	5600	4100	950	2700	4000	2900	5300	6300	6400	950	3586.2
Sodium - mg/L	450	860	1960	1080	1330	2330	1670	520	960	1760	1220	2540	2380	2540	450	1466.2
Potassium mg/L	7.3	5.1	12	7	8.4	12	13	2.8	7.9	14	9.8	19	21	21	2.8	10.7
Calcium - mg/L	290	170	660	400	320	570	420	91	330	250	240	390	740	740	91	374.7
Magnesium - mg/L	230	180	600	340	320	700	460	110	240	250	270	530	750	750	110	383.1
Manganese - mg/L	0.01	0.03	0.03	0.01	0.01	0.6	0.13	0.01	2.4	2	0.01	0.08	3.1	3.1	0.01	0.6
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	4.8	11	13.3	9.6	12.6	15.4	13.4	8.7	9.8	18.8	12.8	19.7	14.7	19.7	4.8	12.7
Total Sulfur - mg/L	400	260	380	230	260	370	390	83	130	250	260	400	510	510	83	301.8
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	10	10	10	11	12	20	13	14	14	11	12	10	14	20	10	12.4
Lead - mg/L	0.03	0.02	0.02	0.04	0.03	0.02	0.02	0.02	0.04	0.02	0.02	0.02	0.02	0.04	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	0.01	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	0.08	0.02	0.03	0.29	0.29	0.02	0.0

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