

EF42 - PIEZOMETER TESTING RESULTS - 2024

Approved By: General Manager

Version: 2

Issue Date: 04 April 2024

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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	0.002	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
Electrical Conductivity - µS/m	5160	4050	17200	7980	9470	16900	11900	3870	7690	11200	9160	21200	20000	21200	3870	11213.8
Nitrogen Total - mg/L	110	1.8	1.1	190	5.2	23	2.5	8.2	0.2	0.53	4	2.5	1.2	190	0.2	26.9
pH - pH units	6.85	7.51	7.3	7.4	7.54	7.4	7.32	7.6	7.44	7.85	7.5	7.41	7.38	7.85	6.85	7.4
Phosphorus Total - mg/L	0.047	0.016	0.034	0.01	0.017	1.2	0.017	0.01	0.01	0.048	0.015	0.027	0.026	1.2	0.01	0.1
Redox Potential	110	270	270	120	91	45	77	78	82	72	80	82	84	270	45	112.4
Standing Water Level - m	3.42	5.20	3.51	3.59	2.97	3.20	3.12	3.94	2.45	2.71	2.91	2.72	2.20	5.196	2.203	3.2
Sulphide - mg/L	0.02	0.02	0.37	0.02	0.02	47.7	0.02	0.02	0.02	0.02	0.02	0.002	0.02	47.7	0.002	3.7
BOD - mg/L	2	2	2	2	2	43	2	2	2	2	2	2	2	43	2	5.2
Total Kjeldahl Nitrogen as N - mg/L	0.05	0.5	1	0.05	0.1	23	0.05	0.2	0.16	0.38	0.2	0.5	0.2	23	0.05	2.0
Nitrate N - mg/L	110	1.3	0.078	190	5.1	0.19	2.5	8	0.044	0.1	3.8	2	1	190	0.044	24.9
Nitrite N - mg/L	0.005	0.005	0.005	0.006	0.007	0.005	0.01	0.005	0.005	0.047	0.005	0.005	0.005	0.047	0.005	0.0
Total Suspended Solids @103-105°C - mg/L	39	1	11	1	1	13	43	410	15	1	6	25	8	410	1	44.2
Total Dissolved Solids - mg/L	4500	2600	13500	7100	7600	12500	9700	2500	6000	7600	6900	16200	17100	17100	2500	8753.8
Ammonia as N in water - mg/L	0.02	0.011	0.74	0.005	0.013	24	0.023	0.021	0.033	0.27	0.034	0.005	0.034	24	0.005	1.9
Sulphate, SO4 - mg/L	1650	630	1350	1840	1000	1000	1730	300	510	610	1070	1650	1710	1840	300	1157.7
Sulphite - mg/L	0.5	0.5	0.5	0.5	0.7	4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	4	0.5	0.8
Hexavalent Chromium, Cr6+ - 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	31	36	380	72	100	460	51	41	31	41	100	310	530	530	31	167.9
Chloride - mg/L	940	820	7400	1600	3400	5800	4700	960	2600	3400	3500	8800	7400	8800	820	3947.7
Sodium - mg/L	490	570	2140	1030	1430	2190	1830	570	1040	1810	1260	3200	2070	3200	490	1510.0
Potassium mg/L	6.8	6.1	28	12	15	26	21	3.7	9.8	17	14	36	29	36	3.7	17.3
Calcium - mg/L	310	97	800	470	420	660	550	120	390	320	280	660	850	850	97	455.9
Magnesium - mg/L	260	98	640	390	340	660	490	100	250	240	240	670	720	720	98	392.2
Manganese - mg/L	0.06	0.03	0.18	0.01	0.01	0.83	0.22	0.04	1.2	1.1	0.01	0.02	0.62	1.2	0.01	0.3
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	0.0
SAR - SAR Units	5	9.8	13.7	8.5	12.6	14.4	13.7	9.3	10.1	18.6	13.3	21	12.6	21	5	12.5
Total Sulfur - mg/L	410	130	390	590	290	360	430	89	140	180	300	590	590	590	89	345.3
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	3	2	2	2	2	2	2	2	3	2	2.1
Lead - 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
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	0.01	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	0.05	0.02	0.43	0.02	0.43	0.02	0.1

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