

EF42 - PIEZOMETER TESTING RESULTS - 2023

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	0.00052	0.0005	0.00073	0.0005	0.0016	0.0014	0.0005	0.0005	0.0005	0.0005	0.00076	0.0016	0.0016	0.0016	0.0005	0.0
Electrical Conductivity - µS/m	5080	5080	17500	8800	9560	17900	11800	4220	7900	10300	9020	21900	20200	21900	4220	11481.5
Nitrogen Total - mg/L	91	2.2	1.4	97	5.5	18	2.2	7.4	0.079	1.2	4.7	2.8	1.4	97	0.079	18.1
pH - pH units	6.65	7.38	7.22	7.13	7.11	7.27	7.21	7.51	7.29	7.59	7.26	7.2	7.22	7.59	6.65	7.2
Phosphorus Total - mg/L	0.16	0.024	0.14	0.042	0.061	0.71	0.054	0.024	0.027	0.087	0.026	0.056	0.14	0.71	0.024	0.1
Redox Potential	120	63	160	64	56	30	37	31	36	24	34	36	40	160	24	56.2
Standing Water Level - m	3.09	5.05	2.91	3.17	2.16	2.05	2.38	2.61	1.59	1.78	2.13	1.67	1.45	5.05	1.45	2.5
Sulphide - mg/L	0.02	0.02	0.02	0.02	0.02	0.65	0.02	0.02	0.02	0.4	0.02	0.02	0.02	0.65	0.02	0.1
BOD - mg/L	7	2	2	2	2	87	2	7	7	2	2	2	2	87	2	9.7
Total Kjeldahl Nitrogen as N- mg/L	42	0.3	1.3	1	0.05	18	0.05	0.05	0.07	1.2	0.4	0.7	0.1	42	0.05	5.0
Nitrate N - mg/L	48	1.8	0.14	96	5.5	0.005	2.4	7.6	0.005	0.005	4.3	2.1	1.2	96	0.005	13.0
Nitrite N - mg/L	0.009	0.005	0.005	0.005	0.005	0.12	0.008	0.007	0.018	0.019	0.005	0.005	0.063	0.12	0.005	0.0
Total Suspended Solids @103-105°C -mg/L	95	5	26	9.5	68	64	4	1400	23	15	6	18	19	1400	4	134.8
Total Dissolved Solids - mg/L	4300	3600	13900	7800	7700	12500	9900	2700	6400	7700	7000	15600	16600	16600	2700	8900.0
Ammonia as N in water - mg/L	0.006	0.009	1.2	0.006	0.067	19	0.041	0.005	0.051	1.1	0.007	0.005	0.1	19	0.005	1.7
Sulphate, SO4 - mg/L	1400	840	1190	1370	960	1130	1480	300	430	540	960	1730	1640	1730	300	1074.6
Sulphite - mg/L	0.5	0.5	0.5	0.5	0.5	19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	19	0.5	1.9
Hexavalent Chromium, Cr ₆₊ - mg/L	0.002	0.005	0.006	0.01	0.015	0.009	0.008	0.015	0.012	0.009	0.02	0.014	0.008	0.02	0.002	0.0
COD - mgO ₂ /L	25	15	420	25	30	50	25	10	10	130	10	60	40	420	10	65.4
Chloride - mg/L	980	1300	6100	2600	3400	6000	4200	1100	2900	4300	3200	7600	8200	8200	980	3990.8
Sodium - mg/L	510	730	2140	1150	1410	2390	1690	600	1050	1640	1500	3300	2660	3300	510	1597.7
Potassium mg/L	5.6	5.2	14	8.5	10	18	15	3.4	8.7	16	15	37	28	37	3.4	14.2
Calcium - mg/L	340	170	860	550	430	730	550	150	430	320	370	750	1040	1040	150	514.6
Magnesium - mg/L	280	140	680	420	350	720	480	130	270	230	320	740	850	850	130	431.5
Manganese - mg/L	0.03	0.01	0.08	0.01	0.01	0.74	0.41	0.07	1.9	1.7	0.01	0.03	1.5	1.9	0.01	0.5
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	5	10	13.2	9	12.2	15	12.7	8.7	9.8	17.1	13.8	20.5	14.8	20.5	5	12.4
Total Sulfur - mg/L	440	280	440	460	320	370	460	100	160	200	340	680	710	710	100	381.5
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	10	2	2	2	2	3	2	2	10	2	2.7
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	0.11	0.11	0.15	0.09	0.09	0.14	0.07	0.14	0.15	0.18	0.16	0.08	0.14	0.18	0.07	0.1

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