

**NEW GOLD RAINY RIVER MINE
APPENDIX P
OFF-SITE GROUNDWATER
MONITORING RESULTS**



2021 Offsite Groundwater Monitoring Report

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Introduction

New Gold Inc. (New Gold) is currently operating and will eventually reclaim an open pit and underground gold mine, the Rainy River Mine (RRM). Through the Environmental Assessment process for construction and operation of the RRM, New Gold committed to an offsite well water quality program. The condition states:

A groundwater level (flow) and quality monitoring program of regular sampling and dipping of dedicated monitoring wells will be implemented to confirm that no area wells are affected by the mine. Furthermore, local well owners will be asked to participate in a well water quality program to monitor water quality in their wells.

The 2021 offsite groundwater sampling program was completed by the New Gold Environment Team in late October and early November with 13 local well owners participating.

Water Level Measurement

To date, water level data has not been gathered as a part of the offsite groundwater monitoring program. When the program started in 2017, New Gold asked the monitoring program participants if they would consent to New Gold measuring the water level in their wells. The general response was to decline, due to concern of well contamination. New Gold Rainy River has since invested in a sonic water level meter that uses sound waves to measure well water level, which does not require any equipment to be placed in the well to record the water level. Access to the well will be necessary to complete a water level measurement. New Gold will contact you to obtain your consent for a well water level measurement in 2022.

Water Chemistry Summary

The 13 local wells were sampled and analyzed for the same parameters that New Gold Rainy River Mine analyzes for their Regulatory site groundwater monitoring network. Where possible, samples were collected at a location representative of the water quality directly in the local well (pre-treatment) after 20 liters of water (one pail) was purged from each well/tap.

The 2021 offsite groundwater sample results are compared against 2017, 2018, 2019 and 2020 sample results, where available. The results are also compared to the Ontario Provincial Water Quality Objectives (PWQO) and Ontario Drinking Water Standards (ODWS), where a limit exists for the parameters tested. The Ontario PWQO were established to protect aquatic life, water resources, and recreational water users. For more information about the Ontario PWQO, call or visit the website for the Ontario Ministry of Environment, Conservation and Parks (MECP). The ODWS, under Ontario Regulation 169/03, are a set of standards to ensure the safety of drinking water. For more information about the ODWS, call or visit the website for the Ontario MECP.

All groundwater results were within the Ontario PWQO standards apart from elevated results for arsenic (4), cobalt (3), copper (10), iron (10), lead (3), phosphorus (3), uranium (3) and zinc (4). Results highlighted in yellow exceeded the PWQO. All groundwater results were within the ODWS.

Table 1 presents the offsite groundwater well water chemistry results for 2021. Where the dissolved metals value is higher than the total metals value, the value was confirmed by re-analysis. Figures 1 through 8 show each parameter where total metal measured higher than the PWQO. Individual well result summaries are available in Table 2.

Table 1: Off Site Groundwater 2021 Water Chemistry Sample Results

Sample ID					OF02	OF03	OF04	OF06	OF07	OF08	OF09	OF10	OF11	OF12	OF13	OF14	OF100	OF32	OFFB
Date Sampled					10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/27/2021	10/27/2021	10/27/2021	10/27/2021	10/27/2021	11/5/2021	10/27/2021
Time Sampled					11:10:00 AM	9:30:00 AM	10:40:00 AM	10:55:00 AM	10:20:00 AM	9:10:00 AM	1:00:00 PM	12:45:00 PM	1:05:00 PM	2:00:00 PM	1:30:00 PM	1:20:00 PM	12:00:00 PM	2:45:00 PM	2:00:00 PM
Date Received					29-Oct-2021	11-Nov-2021	29-Oct-2021												
ALS Sample ID					L2656950-1	L2656950-2	L2656950-3	L2656950-4	L2656950-5	L2656950-6	L2656950-7	L2656950-8	L2656950-9	L2656950-10	L2656950-11	L2656950-12	L2656950-13	L2661665-1	L2656950-14
Parameter	Lowest Detection Limit	Units	PWQO	ODWS															
Anions and Nutrients																			
Chloride (Cl)	0.1	mg/L			4.91	11	71.9	75.6	9.05	76.4	1.64	15.9	8.87	2.99	1.12	5.24	2.96	0.2	0.1
Total Kjeldahl Nitrogen	0.05	mg/L			0.73	0.297	0.458	0.356	0.392	0.107	0.352	0.633	0.302	0.337	0.24	0.052	0.372	0.587	0.05
Physical Tests																			
Conductivity (EC)	1	uS/cm			908	835	1160	1120	1030	965	988	769	932	702	893	822	698	973	0.4
Hardness (as CaCO3)	0.51	mg/L			441	409	548	1.37	427	448	498	334	502	322	460	0.81	326	467	0.51
pH	0.1	pH	6.5-8.5	6.5-8.5	7.92	7.59	7.67	7.7	7.87	7.58	7.79	7.76	7.63	8.06	7.74	8.41	8.08	7.75	5.45
Total Dissolved Solids	10	mg/L			504	458	648	648	554	580	526	412	486	384	462	460	402	534	2
Anions and Nutrients																			
Alkalinity, Total (as CaCO3)	2	mg/L			517	469	557	503	548	428	576	416	546	387	526	390	385	562	0.4
Ammonia, Total (as N)	0.005	mg/L			0.372	0.094	0.05	0.004	0.282	0.056	0.242	0.242	0.046	0.268	0.014	0.01	0.272	0.044	0.002
Nitrate (as N)	0.02	mg/L		10	0.002	0.042	1.32	0.176	0.038	0.01	0.002	0.322	0.026	0.002	0.63	0.002	0.002	0.61	0.002
Nitrite (as N)	0.01	mg/L		1	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Sulfate (SO4)	0.3	mg/L			34.1	16.7	24.2	13.4	78.5	11.6	37.3	10.3	7.45	29.3	18.9	62.2	28.8	11.5	0.05
Cyanides																			
Cyanide, Weak Acid Diss	0.002	mg/L			0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001
Cyanide, Total	0.002	mg/L	0.005	0.2	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0002	0.0002	0.0002	0.0008	0.0002	0.0002
Cyanide, Free	0.002	mg/L		0.2	0.0004	0.0003	0.0002	0.0002	0.0001	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Total Metals																			
Aluminum (Al)-Total	0.005	mg/L	0.075		0.0012	0.0052	0.0002	0.0182	0.003	0.0002	0.0042	0.01	0.0056	0.0006	0.0022	0.0012	0.0006	0.0018	0.0002
Antimony (Sb)-Total	0.0006	mg/L	0.02		0.00005	0.0001	0.00035	0.00007	0.00002	0.00002	0.00003	0.00025	0.00049	0.00001	0.00008	0.00002	0.00002	0.00005	0.00001
Arsenic (As)-Total	0.001	mg/L	0.005		0.0051	0.0016	0.0006	0.0006	0.0006	0.0003	0.004	0.0007	0.0016	0.0133	0.0002	0.0066	0.0133	0.0016	0.00004
Barium (Ba)-Total	0.01	mg/L			0.077	0.078	0.103	0.0006	0.013	0.104	0.112	0.081	0.103	0.085	0.134	0.00026	0.085	0.035	0.00006
Beryllium (Be)-Total	0.001	mg/L	0.0011		0.000012	0.0000049	0.0000069	0.0000019	0.0000001	0.0000001	0.0000028	0.0000008	0.0000423	0.0000001	0.0000001	0.0000143	0.0000082	0.0000001	0.000002
Bismuth (Bi)-Total	0.001	mg/L			0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Boron (B)-Total	0.05	mg/L	0.2		0.145	0.034	0.112	0.048	0.079	0.029	0.062	0.048	0.043	0.089	0.016	0.075	0.091	0.118	0.004
Cadmium (Cd)-Total	0.000017	mg/L	0.0001		0.000004	0.000004	0.000006	0.000002	0.000019	0.000024	0.000003	0.000062	0.000027	0.000003	0.000007	0.000001	0.000004	0.000005	0.000001
Calcium (Ca)-Total	0.2	mg/L			94.2	103	124	0.38	68.1	126	106	81.1	103	83.3	97.1	0.26	85.7	102	0.05
Cesium (Cs)-Total	0.00001	mg/L			0.000007	0.0000095	0.00016	0.000008	0.000098	0.00006	0.000014	0.000004	0.000025	0.0000095	0.000016	0.000009	0.000011	0.000103	0.000002
Chromium (Cr)-Total	0.001	mg/L	0.001		0.00004	0.00006	0.00004	0.0001	0.00004	0.00002	0.00006	0.0003	0.0001	0.0001	0.0002	0.0001	0.0001	0.00006	0.00004
Cobalt (Co)-Total	0.0005	mg/L	0.0009		0.00007	0.0002	0.00027	0.00006	0.00216	0.00264	0.00007	0.00052	0.00127	0.00013	0.00011	0.00002	0.00013	0.00004	0.000005
Copper (Cu)-Total	0.001	mg/L	0.005		0.0167	0.0136	0.0141	0.294	0.0041	0.002	0.0228	0.0957	0.0307	0.0091	0.0214	0.0006	0.0047	0.0176	0.00002
Iron (Fe)-Total	0.02	mg/L	0.3		3.83	0.733	0.021	0.061	0.304	1.78	1.9	0.388	1.22	1.2	0.618	0.031	1.22	0.01	0.002
Lead (Pb)-Total	0.00005	mg/L	0.001		0.00048	0.00002	0.00015	0.00249	0.00024	0.00008	0.00124	0.00245	0.00043	0.00025	0.00004	0.00001	0.00026	0.00051	0.00001
Lithium (Li)-Total	0.05	mg/L			0.047	0.023	0.015	0.002	0.055	0.01	0.05	0.013	0.023	0.036	0.029	0.046	0.036	0.027	0.0004
Magnesium (Mg)-Total	0.02	mg/L			55.5	41	66.6	0.124	67.7	38.3	66.2	36.6	64.6	32.9	61.4	0.068	33.3	50.8	0.013
Manganese (Mn)-Total	0.001	mg/L			0.16	0.146	0.0498	0.0012	0.871	0.404	0.405	0.104	0.177	0.418	0.0148	0.0018	0.407	0.0594	0.0002
Mercury (Hg)-Total	0.00003	mg/L	0.0002		0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Molybdenum (Mo)-Total	0.001	mg/L	0.04		0.002	0.0026	0.0029	0.0039	0.0013	0.001	0.0054	0.0026	0.0054	0.004	0.0059	0.0022	0.0041	0.0037	0.000005
Nickel (Ni)-Total	0.002	mg/L	0.025		0.0013	0.0015	0.0047	0.00098	0.0005	0.0023	0.0051	0.0041	0.0065	0.0005	0.0013	0.0001	0.0005	0.0002	0.00002
Phosphorus (P)-Total	0.05	mg/L	0.03		0.045	0.02	0.005	0.03	0.005	0.015	0.025	0.065	0.01	0.025	0.01	0.015	0.025	0.005	0.01
Potassium (K)-Total	0.5	mg/L			4.74	2.64	3	0.99	6.01	3.27	5.68	3.79	1.3	4.49	4.17	0.35	4.46	3.85	0.01
Rubidium (Rb)-Total	0.0002	mg/L			0.00141	0.00098	0.00114	0.00097	0.00207	0.00304	0.00142	0.00068	0.00143	0.00138	0.00431	0.00018	0.00137	0.00628	0.000006
Selenium (Se)-Total	0.00005	mg/L	0.1		0.000155	0.00022	0.00241	0.00044	0.00002	0.000055	0.00004	0.00125	0.000395	0.00006	0.00313	0.00006	0.000035	0.00032	0.000025
Silicon (Si)-Total	0.1	mg/L			11.1	12.2	9.95	10.6	10.8	9.72	13.2	11.2	11.8	12	11.7	11.5	12.3	12.4	0.06
Silver (Ag)-Total	0.0001	mg/L	0.0001		0.000005	0.000003	0.000004	0.00005	0.000001	0.000001	0.000003	0.00001	0.00003	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Sodium (Na)-Total	0.1	mg/L			24	11.8	31.9	274	67.7	16.4	15.5	34	6.45	20.1	9.63	215	20.7	42.1	0.07
Strontium (Sr)-Total	0.001	mg/L			0.662	0.294	0.824	0.0011	0.341	0.246	0.552	0.156	0.238	0.58	0.169	0.00099	0.59	0.683	0.0003
Sulfur (S)-Total	0.5	mg/L			13	5.6	10.2	5	29	4.2	14.2	3.6	3	10.2	7	22.6	10.6	4.4	0.2

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Time Sampled					11:10:00 AM	9:30:00 AM	10:40:00 AM	10:55:00 AM	10:20:00 AM	9:10:00 AM	1:00:00 PM	12:45:00 PM	1:05:00 PM	2:00:00 PM	1:30:00 PM	1:20:00 PM	12:00:00 PM	2:45:00 PM	2:00:00 PM
Date Received					29-Oct-2021	11-Nov-2021	29-Oct-2021												
ALS Sample ID					L2656950-1	L2656950-2	L2656950-3	L2656950-4	L2656950-5	L2656950-6	L2656950-7	L2656950-8	L2656950-9	L2656950-10	L2656950-11	L2656950-12	L2656950-13	L2661665-1	L2656950-14
Parameter	Lowest Detection Limit	Units	PWQO	ODWS															
Tellurium (Te)-Total	0.001	mg/L			0.00006	0.00004	0.00006	0.00002	0.00004	0.00002	0.00004	0.00002	0.00004	0.00004	0.00002	0.00002	0.00006	0.00006	0.00002
Thallium (Tl)-Total	0.0003	mg/L	0.0003		0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.00015	0.000005	0.000005	0.000005	0.000005	0.00002	0.000005
Thorium (Th)-Total	0.0001	mg/L			0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00005	0.00001	0.00001	0.00001	0.00001	0.00002	0.00001
Tin (Sn)-Total	0.001	mg/L			0.0004	0.00003	0.00005	0.0017	0.00003	0.00003	0.0002	0.0003	0.0001	0.00001	0.00001	0.00002	0.00004	0.00003	0.00005
Titanium (Ti)-Total	0.002	mg/L			0.0001	0.0003	0.00003	0.0008	0.00008	0.00002	0.0002	0.0004	0.0002	0.00006	0.0001	0.00006	0.00008	0.0002	0.00001
Tungsten (W)-Total	0.01	mg/L			0.00005	0.00002	0.00008	0.00001	0.00001	0.00002	0.00008	0.00001	0.00007	0.00006	0.00001	0.00008	0.00007	0.00009	0.00001
Uranium (U)-Total	0.005	mg/L	0.005		0.0032	0.0035	0.0021	0.0044	0.0045	0.001	0.0018	0.0015	0.0025	0.0135	0.003	0.0015	0.0136	0.0084	0.000006
Vanadium (V)-Total	0.001	mg/L	0.006		0.0002	0.0003	0.0004	0.0005	0.00005	0.0001	0.0001	0.0008	0.0003	0.0002	0.0004	0.0003	0.0003	0.0009	0.00005
Zinc (Zn)-Total	0.003	mg/L	0.02		0.007	0.0165	0.0075	0.0145	0.0035	0.0055	0.022	0.032	0.138	0.013	0.036	0.0085	0.0115	0.007	0.0005
Zirconium (Zr)-Total	0.001	mg/L	0.004		0.0002	0.0002	0.0003	0.0002	0.000036	0.00002	0.0002	0.0001	0.0005	0.00009	0.0001	0.00009	0.0001	0.0005	0.000004
Dissolved Metals																			
Aluminum (Al)-Dissolved	0.005	mg/L		0.1	0.0002	0.0002	0.0004	0.0044	0.0002	0.0002	0.0002	0.0014	0.0002	0.0002	0.0002	0.001	0.0002	0.0018	0.0002
Antimony (Sb)-Dissolved	0.0006	mg/L		0.006	0.00003	0.00011	0.00031	0.00006	0.000005	0.000005	0.00001	0.00022	0.00032	0.000005	0.00007	0.000005	0.000005	0.00005	0.00002
Arsenic (As)-Dissolved	0.001	mg/L		0.01	0.0008	0.0006	0.0007	0.0006	0.0005	0.0002	0.0012	0.0004	0.0005	0.0065	0.0001	0.007	0.0064	0.0016	0.000001
Barium (Ba)-Dissolved	0.01	mg/L		1	0.067	0.075	0.099	0.0005	0.012	0.103	0.102	0.075	0.094	0.082	0.133	0.00023	0.083	0.034	0.00001
Beryllium (Be)-Dissolved	0.001	mg/L			0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000004
Bismuth (Bi)-Dissolved	0.001	mg/L			0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000008
Boron (B)-Dissolved	0.05	mg/L		5	0.136	0.034	0.097	0.044	0.075	0.029	0.059	0.051	0.044	0.085	0.016	0.074	0.084	0.115	0.002
Cadmium (Cd)-Dissolved	0.000017	mg/L		0.005	0.0000005	0.0000005	0.000001	0.0000005	0.000013	0.000018	0.0000005	0.000055	0.000015	0.000001	0.000008	0.0000005	0.000002	0.000005	0.0000005
Calcium (Ca)-Dissolved	0.2	mg/L			91.1	101	116	0.35	64.8	121	97.1	77.3	103	79.4	94.5	0.24	81.1	101	0.04
Cesium (Cs)-Dissolved	0.00001	mg/L			0.000005	0.000007	0.000141	0.000008	0.000098	0.000054	0.000013	0.000004	0.000004	0.000009	0.000017	0.000001	0.000008	0.000104	0.000002
Chromium (Cr)-Dissolved	0.001	mg/L		0.05	0.00001	0.00001	0.00001	0.00003	0.00001	0.00001	0.00001	0.00006	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Cobalt (Co)-Dissolved	0.0005	mg/L			0.00006	0.00014	0.00022	0.00005	0.00213	0.00257	0.00006	0.00032	0.00105	0.00012	0.00009	0.000008	0.00013	0.00003	0.000002
Copper (Cu)-Dissolved	0.001	mg/L		1	0.007	0.0106	0.0123	0.279	0.0028	0.0016	0.0008	0.0726	0.0159	0.0027	0.0138	0.0005	0.0034	0.0098	0.00002
Iron (Fe)-Dissolved	0.02	mg/L			0.002	0.004	0.001	0.011	0.0005	0.0005	0.001	0.005	0.002	0.001	0.0005	0.023	0.002	0.0005	0.0005
Lead (Pb)-Dissolved	0.00005	mg/L		0.01	0.00001	0.00001	0.00001	0.00138	0.00001	0.00001	0.00001	0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.0001	0.00001
Lithium (Li)-Dissolved	0.05	mg/L			0.052	0.025	0.017	0.002	0.06	0.011	0.054	0.015	0.023	0.037	0.03	0.047	0.037	0.03	0.0002
Magnesium (Mg)-Dissolved	0.02	mg/L			51.8	37.9	62.7	0.117	64.3	35.4	62.2	34.3	59.2	29.9	54.3	0.05	29.9	52	0.0005
Manganese (Mn)-Dissolved	0.001	mg/L			0.164	0.122	0.0417	0.0005	0.907	0.435	0.397	0.0725	0.171	0.399	0.0129	0.0016	0.39	0.0498	0.00002
Mercury (Hg)-Dissolved	0.00003	mg/L		0.001	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
Molybdenum (Mo)-Dissolved	0.001	mg/L			0.002	0.0027	0.0026	0.0038	0.0013	0.000994	0.0052	0.0027	0.0053	0.0041	0.0058	0.0023	0.0041	0.0036	0.000008
Nickel (Ni)-Dissolved	0.002	mg/L			0.0013	0.0012	0.0047	0.00098	0.0004	0.0023	0.0002	0.0041	0.0059	0.0005	0.0013	0.0001	0.0005	0.0004	0.00002
Phosphorus (P)-Dissolved	0.05	mg/L			0.005	0.005	0.005	0.03	0.005	0.005	0.005	0.03	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Potassium (K)-Dissolved	0.5	mg/L			4.83	2.48	2.82	0.99	5.95	3.14	5.63	3.79	1.28	4.48	4.22	0.33	4.64	4.03	0.01
Rubidium (Rb)-Dissolved	0.0002	mg/L			0.00148	0.00092	0.00116	0.00097	0.00216	0.00335	0.00149	0.00072	0.00154	0.00141	0.00454	0.00015	0.00143	0.00631	0.000002
Selenium (Se)-Dissolved	0.00005	mg/L		0.05	0.00012	0.000295	0.00308	0.000495	0.000015	0.00006	0.000035	0.00131	0.00024	0.000015	0.00361	0.00002	0.000015	0.00034	0.000005
Silicon (Si)-Dissolved	0.05	mg/L			10.7	11.9	9.75	10.4	10.5	9.42	12.7	11	11.6	11.8	11.2	11.3	11.9	12.1	0.05
Silver (Ag)-Dissolved	0.0001	mg/L			0.0000005	0.0000005	0.000001	0.00003	0.0000005	0.0000005	0.0000005	0.0000005	0.0000005	0.0000005	0.0000005	0.0000005	0.0000005	0.000001	0.000002
Sodium (Na)-Dissolved	0.1	mg/L			24.1	11.7	30.7	277	68.6	16	15.9	34.3	6.37	20.1	9.4	206	20	41.9	0.05
Strontium (Sr)-Dissolved	0.001	mg/L			0.643	0.299	0.763	0.0012	0.327	0.248	0.522	0.159	0.244	0.578	0.165	0.001	0.579	0.667	0.0002
Sulfur (S)-Dissolved	0.5	mg/L			12.2	5	9.2	4.8	27.6	4.2	12.8	3.6	2.8	9.8	6.4	21.6	10	3.8	0.2
Tellurium (Te)-Dissolved	0.001	mg/L			0.00002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Thallium (Tl)-Dissolved	0.0003	mg/L			0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000004	0.000002	0.000002	0.000004	0.000002	0.000002	0.00002	0.00001
Thorium (Th)-Dissolved	0.0001	mg/L			0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00004	0.00001
Tin (Sn)-Dissolved	0.001	mg/L			0.000005	0.000005	0.000005	0.0005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000025
Titanium (Ti)-Dissolved	0.002	mg/L			0.00006	0.00002	0.00004	0.0003	0.00002	0.00002	0.00004	0.00002	0.00004	0.00004	0.00002	0.00002	0.00002	0.00002	0.00002
Tungsten (W)-Dissolved	0.01	mg/L			0.000044	0.000014	0.000064	0.000008	0.000008	0.000012	0.000068	0.000008	0.000004	0.000058	0.000002	0.000046	0.000064	0.000128	0.000002
Uranium (U)-Dissolved	0.005	mg/L		0.02	0.003														

Table 1: Off Site Groundwater 2021 Water Chemistry Sample Results

Sample ID					OF02	OF03	OF04	OF06	OF07	OF08	OF09	OF10	OF11	OF12	OF13	OF14	OF100	OF32	OFFB
Date Sampled					10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/27/2021	10/27/2021	10/27/2021	10/27/2021	10/27/2021	11/5/2021	10/27/2021
Time Sampled					11:10:00 AM	9:30:00 AM	10:40:00 AM	10:55:00 AM	10:20:00 AM	9:10:00 AM	1:00:00 PM	12:45:00 PM	1:05:00 PM	2:00:00 PM	1:30:00 PM	1:20:00 PM	12:00:00 PM	2:45:00 PM	2:00:00 PM
Date Received					29-Oct-2021	11-Nov-2021	29-Oct-2021												
ALS Sample ID					L2656950-1	L2656950-2	L2656950-3	L2656950-4	L2656950-5	L2656950-6	L2656950-7	L2656950-8	L2656950-9	L2656950-10	L2656950-11	L2656950-12	L2656950-13	L2661665-1	L2656950-14
Parameter	Lowest Detection Limit	Units	PWQO	ODWS															
Zinc (Zn)-Dissolved	0.003	mg/L			0.0014	0.0152	0.0058	0.0198	0.0018	0.0082	0.0026	0.0294	0.101	0.0042	0.0302	0.0084	0.0054	0.004	0.0002
Zirconium (Zr)-Dissolved	0.001	mg/L			0.0001	0.0001	0.0003	0.0002	0.00003	0.00001	0.0001	0.00009	0.0002	0.000036	0.000048	0.00006	0.000042	0.0005	0.000006

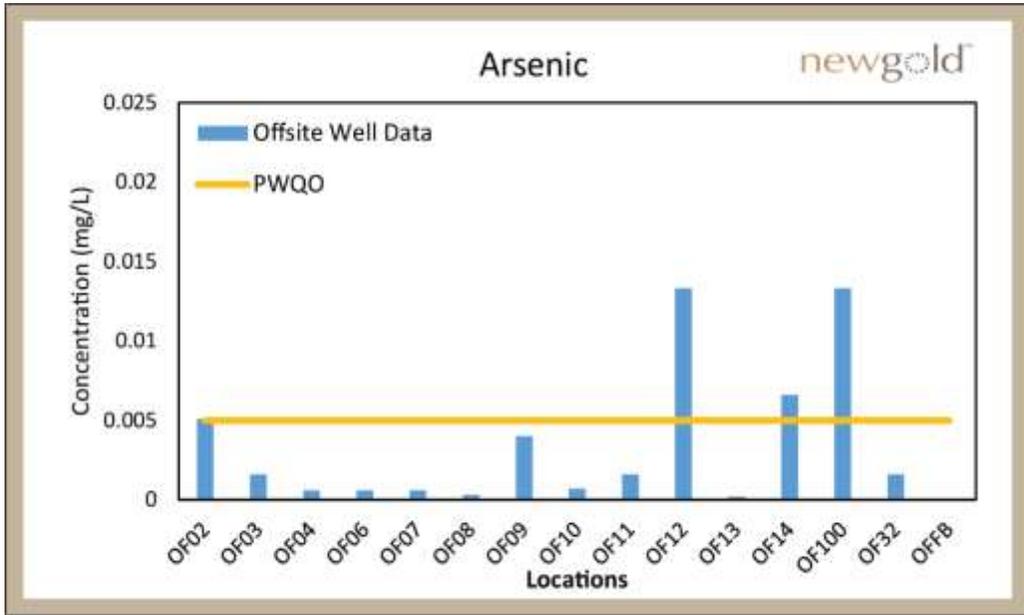


Figure 1: Arsenic Concentration in Offsite Wells

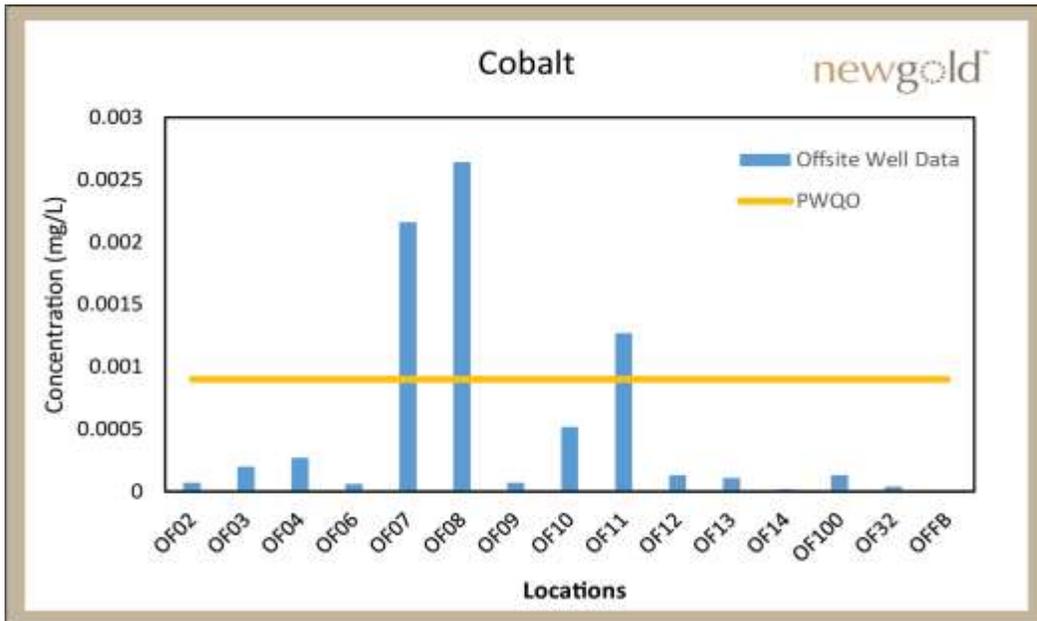


Figure 2: Cobalt Concentration in Offsite Wells

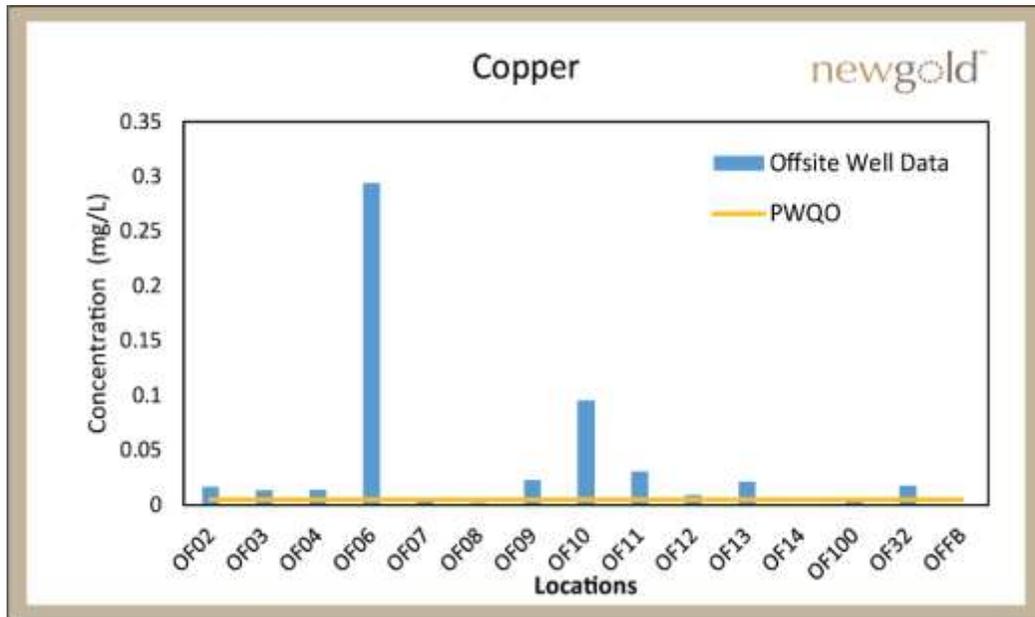


Figure 3: Copper Concentration in Offsite Wells

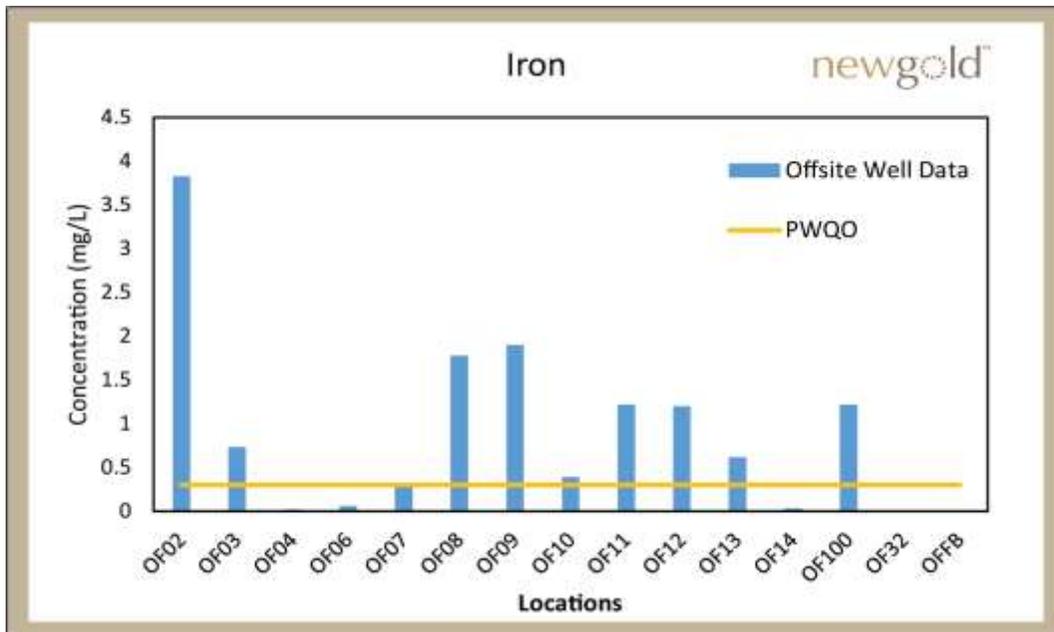


Figure 4: Iron Concentration in Offsite Wells

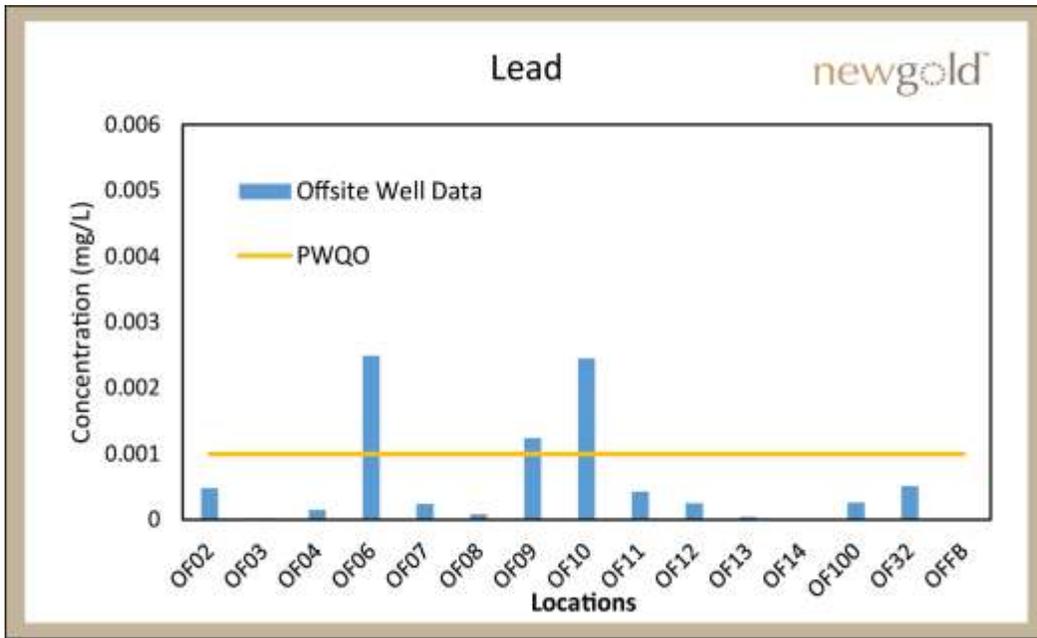


Figure 5: Lead Concentration in Offsite Wells

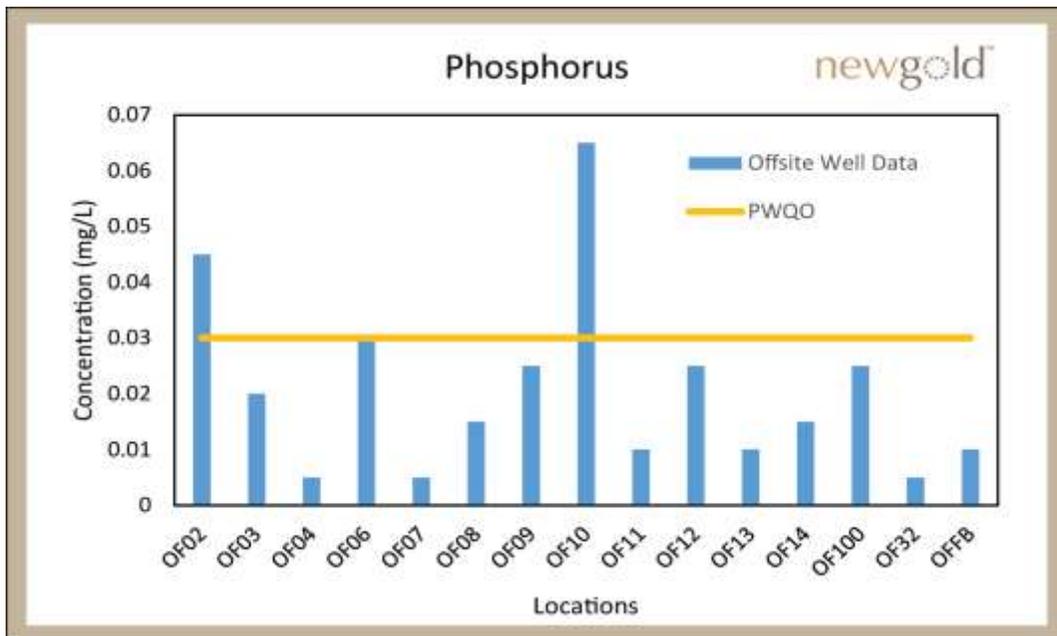


Figure 6: Phosphorus Concentration in Offsite Wells

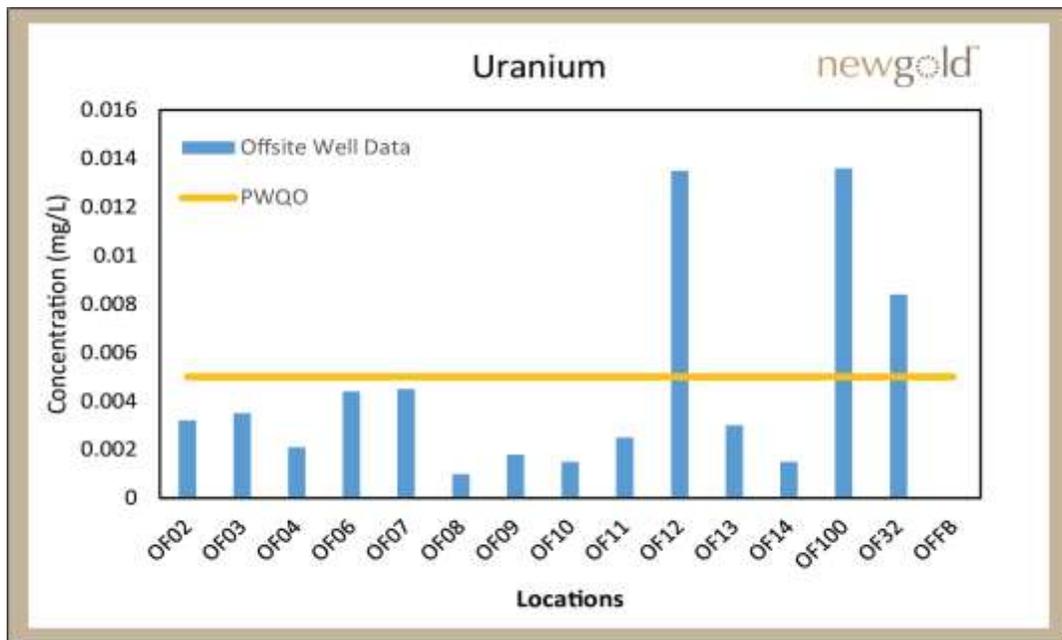


Figure 7: Uranium Concentration in Offsite Wells

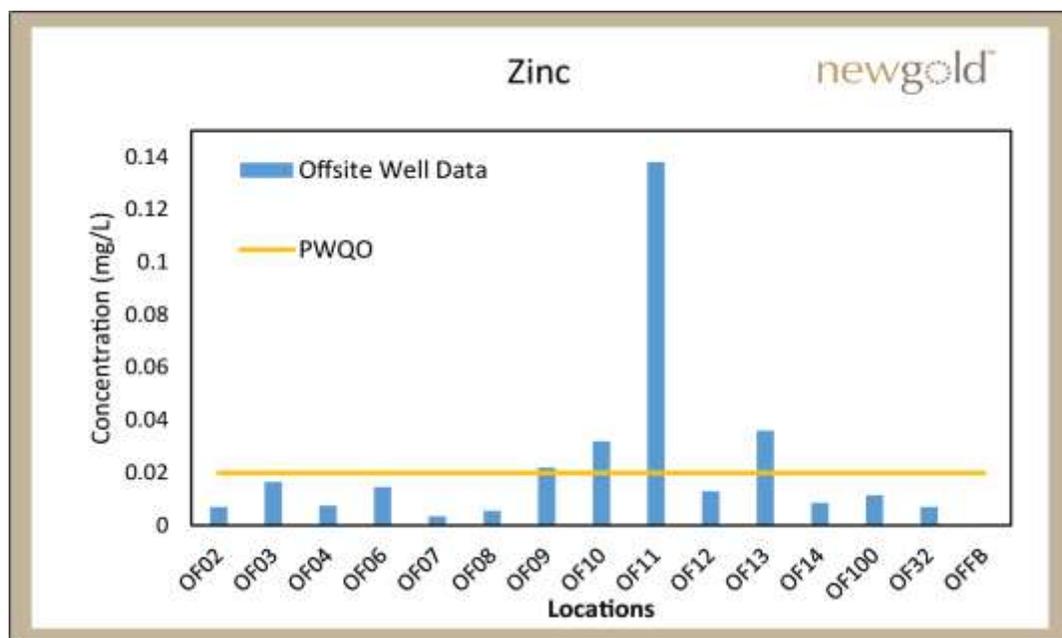


Figure 8: Zinc Concentration in Offsite Wells

Table 2a: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF01 to OF07)

Client Sample ID	Date Sampled	Alkalinity, Total (as CaCO3)	Ammonia, Total (as N)	Chloride (Cl)	Conductivity (EC)	Cyanide, Free	Cyanide, Total	Cyanide, Weak Acid Dissolved	Hardness (as CaCO3)	Nitrate (as N)	Nitrite (as N)	pH	Sulfate (SO4)	Total Dissolved Solids	Aluminum (Al)-Dissolved	Aluminum (Al)-Total	Antimony (Sb)-Dissolved	Antimony (Sb)-Total	Arsenic (As)-Dissolved	Arsenic (As)-Total	Barium (Ba)-Dissolved
Unit		mg/L	mg/L	mg/L	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO						0.0050					6.5-8.5				0.0750		0.020		0.005	
	ODWG					0.20	0.20			10	1.00	6.5-8.5			0.100		0.006		0.01		1.00
OF01(-01)	11-Oct-2017	506	0.658	9.37	958	0.0001	0.0002	0.0001	476	0.005		7.87	70.4	555	0.001	0.0010	0.00001	0.00001	0.0188	0.0192	0.050
OF01(-01)	26-Sep-2018	476	0.022	9.43	1060	0.0002	0.0002	0.0001	11.6	0.015	0.002	7.94	72.1	666	0.0018	0.0012	0.00064	0.00078	0.0107	0.0099	0.004
OF01-01	3-Oct-2019	473	0.496	8.18	950	0.0001	0.0006	0.0001	478	0.001	0.002	7.66	62.6	552	0.0006	0.0002	0.00001	0.00002	0.0186	0.0182	0.051
OF01-01	3-Nov-2020	491	0.474	10.2	962	0.0003	0.0002	0.0001	457	0.014	0.001	8.03	79.3	572	0.0008	0.0014	0.000005	0.000005	0.0186	0.0189	0.051
OF01-01	Average	487	0.413	9.30	983	0.0002	0.0003	0.0001	356	0.009	0.002	7.88	71.1	586	0.0011	0.0010	0.00017	0.00020	0.0167	0.0166	0.039
OF01-2	3-Oct-2019	470	0.482	9.79	921	0.0001	0.0002	0.0001	451	0.001	0.001	7.60	47.9	526	0.0004	0.001	0.00001	0.00002	0.0211	0.0217	0.088
OF01-2	3-Nov-2020	476	0.4	12.9	922	0.0003	0.0002	0.0001	439	0.02	0.001	8.1	60.4	546	0.0002	0.0006	0.000005	0.000005	0.0186	0.0233	0.087
OF01-02	Average	473	0.441	11.35	922	0.0002	0.0002	0.0001	445	0.011	0.0010	7.85	54.2	536	0.0003	0.00080	0.00001	0.00001	0.0199	0.0225	0.088
OF01-3	3-Oct-2019	470	0.482	9.79	921	0.0001	0.0002	0.0001	451	0.001	0.001	7.60	47.9	526	0.0004	0.001	0.00001	0.00002	0.0211	0.0217	0.088
OF01-3	3-Nov-2020	553	0.128	1.14	936	0.0003	0.0002	0.0001	498	0.02	0.001	8.02	18	530	0.0004	0.0234	0.000005	0.00002	0.0108	0.0117	0.105
OF01-03	Average	512	0.305	5.47	929	0.0002	0.0002	0.0001	475	0.011	0.0010	7.81	33.0	528	0.0004	0.01220	0.00001	0.00002	0.0160	0.0167	0.097
OF02	11-Oct-2017	526	0.674	3.77	905	0.0001	0.0002	0.0001	474	0.005		8.10	35.7	525	0.001	0.0015	0.00001	0.00002	0.00490	0.0052	0.071
OF02	25-Sep-2018	481	0.762	4.27	909	0.0002	0.0002	0.0001	450	0.020	0.004	7.62	39.3	524	0.0006	0.0008	0.000005	0.00006	0.0076	0.0072	0.067
OF02	4-Oct-2019	537	0.090	3.65	917	0.0001	0.0006	0.0001	498	0.024	0.009	8.05	18.1	498	0.001	0.005	0.00013	0.00012	0.0011	0.0018	0.074
OF02	28-Oct-2020	490	0.728	4.66	894	0.0003	0.0002	0.0001	444	0.016	0.001	8.01	40.4	542	0.0002	0.0034	0.000005	0.00002	0.0073	0.0077	0.068
OF02	26-Oct-2021	517	0.372	4.91	908	0.0004	0.0002	0.0001	441	0.002	0.001	7.92	34.1	504	0.0002	0.0012	0.00003	0.00005	0.0008	0.0051	0.067
OF02	Average	510	0.525	4.25	907	0.0002	0.0003	0.0001	461	0.013	0.004	7.94	33.5	519	0.0006	0.0024	0.00004	0.00005	0.0043	0.0054	0.069
OF03	11-Oct-2017	460	0.256	7.67	796	0.0002	0.0002	0.0001	424	0.005		7.85	17.3	455	0.001	0.0020	0.00005	0.00006	0.00190	0.0024	0.077
OF03	27-Sep-2018	318	0.086	18.9	615	0.0003	0.0002	0.0001	320	0.045	0.003	7.78	6.12	346	0.0014	0.0362	0.0002	0.00026	0.0007	0.0014	0.054
OF03	3-Oct-2019	464	0.06	7.63	832	0.0001	0.0006	0.0002	445	0.049	0.001	7.43	14.3	470	0.002	0.0074	0.00011	0.0001	0.0009	0.0019	0.075
OF03	29-Oct-2020	480	0.056	11.3	860	0.0003	0.0002	0.0001	447	0.082	0.0002	7.99	18.1	506	0.0004	0.001	0.00003	0.00003	0.0009	0.0022	0.071
OF03	26-Oct-2021	469	0.094	11	835	0.0003	0.0004	0.0001	409	0.042	0.001	7.59	16.7	458	0.0002	0.0052	0.00011	0.0001	0.0006	0.0016	0.075
OF03	Average	438	0.110	11.30	788	0.0002	0.0003	0.0001	409	0.045	0.001	7.73	14.5	447	0.0010	0.0104	0.00010	0.00011	0.0010	0.0019	0.070
OF04	11-Oct-2017	541	0.054	103	1270	0.0001	0.0002	0.0001	612	0.760		7.42	36.6	825	0.001	0.0015	0.00043	0.00049	0.00070	0.0009	0.116
OF04	26-Sep-2018	521	0.234	107	1310	0.0001	0.0002	0.0001	617	0.65	0.004	7.80	37.7	754	0.0014	0.0002	0.00038	0.00042	0.0007	0.0007	0.12
OF04	3-Oct-2019	515	0.06	55.9	1100	0.0004	0.001	0.0009	530	0.515	0.003	7.46	19.9	602	0.001	0.001	0.00072	0.0007	0.001	0.0024	0.086
OF04	28-Oct-2020	549	0.096	101	1260	0.0004	0.0002	0.0001	594	0.774	0.001	7.91	29.2	748	0.001	0.0034	0.00042	0.00041	0.0007	0.00098	0.11
OF04	26-Oct-2021	557	0.05	71.9	1160	0.0002	0.0002	0.0001	548	1.320	0.002	7.67	24.2	648	0.0004	0.0002	0.00031	0.00035	0.0007	0.0006	0.099
OF04	Average	537	0.099	87.76	1220	0.0002	0.0004	0.0003	580	0.804	0.002	7.65	29.5	715	0.0010	0.0013	0.00045	0.00047	0.0008	0.0011	0.106
OF05	12-Oct-2017	498	0.086	5.74	865	0.0002	0.0002	0.0001	484	0.005		7.65	23.4	490	0.0030	0.0010	0.00001	0.00003	0.00190	0.0019	0.096
OF05	27-Sep-2018	466	0.098	3.62	883	0.0003	0.0002	0.0001	479	0.015	0.003	7.70	22.9	492	0.0008	0.0012	0.00002	0.00006	0.0027	0.0023	0.092
OF05	3-Oct-2019	484	0.064	4.03	862	0.0006	0.001	0.0005	467	0.001	0.004	7.38	21.7	474	0.0002	0.0032	0.00009	0.00002	0.001	0.002	0.087
OF05	28-Oct-2020	488	0.082	4.21	860	0.0002	0.0002	0.0001	449	0.013	0.000	7.93	24	498	0.0002	0.0016	0.00005	0.00003	0.0019	0.0022	0.093
OF05	Average	484	0.083	4.40	868	0.0003	0.0004	0.0002	470	0.009	0.002	7.67	23.0	489	0.0011	0.0018	0.00004	0.00004	0.0019	0.0021	0.092
OF06	12-Oct-2017	598	0.116	3.47	977	0.0001	0.0002	0.0001	549	0.155		7.33	19.0	565	0.0020	0.0020	0.00007	0.0001	0.00098	0.0009	0.085
OF06	2018																				
OF06	3-Oct-2019	383	0.012	84.1	1000	0.0001	0.0002	0.0001	1.48	1.810	0.009	7.39	9.0	604	0.0060	0.0096	0.00019	0.0002	0.0007	0.0007	0.0006
OF06	28-Oct-2020	590	0.048	13.7	1100	0.0001	0.0002	0.0001	3.26	0.079	0.004	8.04	15.9	694	0.0010	0.0076	0.00004	0.00008	0.0007	0.0008	0.0007
OF06	26-Oct-2021	503	0.004	75.6	1120	0.0002	0.0002	0.0001	1.37	0.176	0.001	7.7	13.4	648	0.0044	0.0182	0.00006	0.00007	0.0006	0.0006	0.0005
OF06	Average	519	0.045	44.2	1049	0.0001	0.0002	0.0001	138.8	0.555	0.005	7.6	14.3	628	0.0034	0.0094	0.00009	0.0001	0.0007	0.0008	0.0217
OF07	12-Oct-2017	552	0.332	8.74	1040	0.0001	0.0002	0.0001	549	0.005		7.32	77.0	630	0.001	0.0010	0.00001	0.00002	0.00060	0.0005	0.022
OF07	19-Oct-2018	523	0.282	8.36	1060	0.0001	0.0002	0.0002	594	0.01	0.008	7.36	76.7	600	0.0006	0.0016	0.000005	0.00002	0.0005	0.0005	0.024
OF07	2-Oct-2019	533	0.036	8.73	1110	0.0006	0.001	0.001	528	0.001	0.002	7.59	72.3	682	0.0080	0.017	0.00002	0.00002	0.0004	0.0005	0.00038
OF07	29-Oct-2020	514	0.2	9.27	992	0.0001	0.0006	0.0002	540	0.019	0.002	8.01	77.3	618	0.0004	0.0022	0.00001	0.00001	0.0005	0.0007	0.02
OF07																					

Table 2a: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF01 to OF07)

Client Sample ID	Date Sampled	Barium (Ba)- Total	Beryllium (Be)- Dissolved	Beryllium (Be)- Total	Bismuth (Bi)- Dissolved	Bismuth (Bi)- Total	Boron (B)- Dissolved	Boron (B)- Total	Cadmium (Cd)- Dissolved	Cadmium (Cd)- Total	Calcium (Ca)- Dissolved	Calcium (Ca)- Total	Cesium (Cs)- Dissolved	Cesium (Cs)- Total	Chromium (Cr)- Dissolved	Chromium (Cr)- Total	Cobalt (Co)- Dissolved	Cobalt (Co)- Total	Copper (Cu)- Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO			0.0011				0.20		0.0001						0.0010		0.0009	
	ODWG						5.00		0.0050						0.050				1.00
OF01(-01)	11-Oct-2017	0.052	0.00001	0.00001	0.00002	0.00002	0.171	0.202	0.000005	0.000005	113	111			0.0001	0.0001	0.00007	0.00007	0.0001
OF01(-01)	26-Sep-2018	0.004	0.000002	0.000001	0.000002	0.000004	0.213	0.187	0.000103	0.000122	3.88	3.92	0.000002	0.000002	0.0001	0.00008	0.00002	0.00002	0.0289
OF01-01	3-Oct-2019	0.05	0.000002	0.000001	0.000002	0.000002	0.142	0.165	0.0000005	0.000001	113	111	0.000018	0.000015	0.00002	0.0002	0.00007	0.00007	0.0003
OF01-01	3-Nov-2020	0.053	0.000002	0.0000001	0.000002	0.00001	0.166	0.17	0.000002	0.000001	107	110	0.000021	0.00002	0.00003	0.0001	0.00006	0.00007	0.0006
OF01-01	Average	0.040	0.000004	0.000003	0.000007	0.000009	0.173	0.181	0.000028	0.000032	84	84	0.000014	0.000012	0.00006	0.00012	0.00006	0.00006	0.0075
OF01-2	3-Oct-2019	0.087	0.000002	0.000001	0.000002	0.000002	0.136	0.154	0.0000005	0.000001	109	109	0.000016	0.000015	0.0001	0.0006	0.00004	0.00004	0.0001
OF01-2	3-Nov-2020	0.092	0.000002	0.0000078	0.000002	0.00001	0.161	0.163	0.0000005	0.000002	103	107	0.000015	0.000016	0.00003	0.00008	0.00004	0.00005	0.0011
OF01-02	Average	0.089500	0.000002	0.000004	0.000002	0.000006	0.149	0.159	0.000001	0.000002	106	108	0.000016	0.00002	0.00007	0.00034	0.00004	0.00005	0.0006
OF01-3	3-Oct-2019	0.087	0.000002	0.000001	0.000002	0.000002	0.136	0.154	0.0000005	0.000001	109	109	0.000016	0.000015	0.0001	0.0006	0.00004	0.00004	0.0001
OF01-3	3-Nov-2020	0.112	0.000002	0.000003	0.000002	0.00001	0.055	0.042	0.000002	0.000004	99.2	100	0.000008	0.000014	0.00007	0.0004	0.00005	0.00008	0.00006
OF01-03	Average	0.099500	0.000002	0.000002	0.000002	0.000006	0.096	0.098	0.000001	0.000003	104	105	0.000012	0.00001	0.00009	0.00050	0.00005	0.00006	0.0001
OF02	11-Oct-2017	0.070	0.00001	0.00001	0.00002	0.00002	0.192	0.210	0.000005	0.000005	98.9	97.3			0.0003	0.0006	0.00004	0.00004	0.0001
OF02	25-Sep-2018	0.068	0.000002	0.000002	0.000002	0.00003	0.174	0.159	0.0000005	0.000002	101	101	0.000004	0.000007	0.00002	0.00006	0.00003	0.00003	0.00002
OF02	4-Oct-2019	0.077	0.000002	0.000001	0.000002	0.000002	0.113	0.127	0.000004	0.000004	92.3	91.4	0.000009	0.00001	0.00006	0.0001	0.00011	0.00012	0.005
OF02	28-Oct-2020	0.072	0.000002	0.0000001	0.000002	0.00001	0.173	0.162	0.000002	0.000004	97.8	101.0	0.000006	0.000006	0.00004	0.0001	0.00004	0.00005	0.0004
OF02	26-Oct-2021	0.077	0.000002	0.000012	0.000002	0.00001	0.136	0.145	0.0000005	0.000004	91.1	94.2	0.000005	0.000007	0.00001	0.00004	0.00006	0.00007	0.007
OF02	Average	0.073	0.000004	0.000005	0.000006	0.000014	0.158	0.161	0.000002	0.000004	96.22	96.98	0.000006	0.000008	0.0001	0.0002	0.00006	0.00006	0.003
OF03	11-Oct-2017	0.081	0.00001	0.00001	0.00002	0.00002	0.049	0.047	0.000005	0.000005	102	102			0.0001	0.0001	0.00024	0.00024	0.0063
OF03	27-Sep-2018	0.053	0.000002	0.000001	0.000002	0.000002	0.033	0.030	0.000002	0.000007	75.2	74.7	0.000002	0.000005	0.0001	0.0002	0.00009	0.00014	0.0191
OF03	3-Oct-2019	0.076	0.000002	0.000001	0.000002	0.000002	0.034	0.038	0.000004	0.000001	107	105	0.000005	0.000007	0.00006	0.0002	0.00011	0.00012	0.037
OF03	29-Oct-2020	0.071	0.000002	0.0000001	0.000002	0.00001	0.042	0.041	0.0000005	0.000001	106	108	0.000006	0.000006	0.00003	0.0001	0.00018	0.00021	0.0007
OF03	26-Oct-2021	0.078	0.000002	0.0000049	0.000002	0.00001	0.034	0.034	0.0000005	0.000004	101	103	0.000007	0.0000095	0.00001	0.0006	0.00014	0.00020	0.0106
OF03	Average	0.072	0.000004	0.000003	0.000006	0.000009	0.038	0.038	0.000002	0.000004	98.24	98.54	0.000005	0.000007	0.0001	0.0002	0.00015	0.00018	0.015
OF04	11-Oct-2017	0.120	0.00001	0.00001	0.00002	0.00002	0.167	0.197	0.000005	0.000010	131	136			0.0001	0.0002	0.00036	0.00044	0.0257
OF04	26-Sep-2018	0.118	0.000002	0.000001	0.000006	0.000002	0.162	0.151	0.000006	0.000008	129	133	0.000156	0.000166	0.0001	0.0002	0.00033	0.00037	0.0446
OF04	3-Oct-2019	0.088	0.000002	0.000001	0.000004	0.000002	0.12	0.14	0.000006	0.000011	112	116	0.000157	0.000155	0.0001	0.0002	0.00014	0.00035	0.0325
OF04	28-Oct-2020	0.11	0.000002	0.0000001	0.000002	0.00001	0.139	0.141	0.000004	0.000008	124	127	0.00022	0.000223	0.00004	0.0001	0.00025	0.00028	0.0273
OF04	26-Oct-2021	0.103	0.000002	0.0000069	0.000002	0.00001	0.097	0.112	0.000001	0.000006	116	124	0.000141	0.00016	0.00001	0.00004	0.00022	0.00027	0.0123
OF04	Average	0.108	0.000004	0.000004	0.000007	0.000009	0.137	0.148	0.000004	0.000009	122.40	127.20	0.000169	0.000176	0.0001	0.0001	0.00026	0.00034	0.028
OF05	12-Oct-2017	0.098	0.00001	0.00001	0.00002	0.00002	0.046	0.056	0.000005	0.000005	111	108			0.0001	0.0002	0.00047	0.00049	0.0003
OF05	27-Sep-2018	0.095	0.000002	0.000001	0.000002	0.00002	0.049	0.043	0.000005	0.000008	107	109	0.000019	0.00002	0.0001	0.0003	0.00049	0.00052	0.0117
OF05	3-Oct-2019	0.086	0.000002	0.000001	0.000006	0.000002	0.036	0.044	0.000003	0.000005	109	104	0.000021	0.000017	0.00004	0.00006	0.00043	0.00047	0.0057
OF05	28-Oct-2020	0.095	0.000002	0.0000001	0.000006	0.00001	0.043	0.043	0.000005	0.000006	102	104	0.000023	0.000023	0.00004	0.0001	0.00047	0.0005	0.0046
OF05	Average	0.094	0.000004	0.000003	0.000009	0.000013	0.044	0.047	0.000005	0.000006	107.25	106.25	0.000021	0.000020	0.0001	0.0002	0.00047	0.00050	0.006
OF06	12-Oct-2017	0.087	0.00001	0.00001	0.00002	0.00002	0.055	0.069	0.000010	0.000010	114	117			0.0001	0.0001	0.00003	0.00003	0.350
OF06	2018																		
OF06	3-Oct-2019	0.00044	0.000002	0.000001	0.000008	0.00005	0.032	0.037	0.000003	0.000005	0.44	0.43	0.000003	0.000003	0.0001	0.0002	0.00008	0.00008	0.309
OF06	28-Oct-2020	0.0008	0.000002	0.0000001	0.000002	0.00002	0.056	0.046	0.000003	0.000005	0.85	0.84	0.000006	0.000007	0.00007	0.0002	0.00004	0.00005	0.131
OF06	26-Oct-2021	0.0006	0.000002	0.0000019	0.000002	0.00001	0.044	0.048	0.000001	0.000002	0.35	0.38	0.000008	0.000008	0.00003	0.0001	0.00005	0.00006	0.279
OF06	Average	0.0222	0.000004	0.000003	0.00001	0.00003	0.047	0.050	0.000004	0.000006	28.91	29.66	0.000006	0.000006	0.00008	0.0002	0.00005	0.00006	0.267
OF07	12-Oct-2017	0.022	0.00001	0.00001	0.00002	0.00002	0.072	0.080	0.000035	0.000035	124	128			0.0001	0.0001	0.00199	0.00206	0.0010
OF07	19-Oct-2018	0.023	0.000002	0.000001	0.000002	0.000002	0.085	0.079	0.000045	0.000046	131	133	0.000056	0.000057	0.00002	0.0001	0.00219	0.00232	0.0035
OF07	2-Oct-2019	0.00049	0.000002	0.000001	0.000002	0.000002	0.066	0.075	0.0000005	0.000003	1.66	1.66	0.00001	0.0000095	0.00006	0.00006	0.00004	0.00007	0.0044
OF07	29-Oct-2020	0.021	0.000002	0.0000001	0.000002	0.00001	0.079	0.082	0.000054	0.000045	110	121	0.000081	0.00					

Table 2a: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF01 to OF07)

Client Sample ID	Date Sampled	Copper (Cu)-Total	Iron (Fe)-Dissolved	Iron (Fe)-Total	Lead (Pb)-Dissolved	Lead (Pb)-Total	Lithium (Li)-Dissolved	Lithium (Li)-Total	Magnesium (Mg)-Dissolved	Magnesium (Mg)-Total	Manganese (Mn)-Dissolved	Manganese (Mn)-Total	Mercury (Hg)-Dissolved	Mercury (Hg)-Total	Molybdenum (Mo)-Dissolved	Molybdenum (Mo)-Total	Nickel (Ni)-Dissolved	Nickel (Ni)-Total	Phosphorus (P)-Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO	0.0050		0.30		0.0010								0.00020		0.040		0.025	
	ODWG				0.010								0.0010						
OF01(-01)	11-Oct-2017	0.0001	1.54	1.79	0.00001	0.00001	0.051	0.059	47.2	46.9	0.337	0.357	0.000002	0.000002	0.0029	0.0032	0.0002	0.0003	
OF01(-01)	26-Sep-2018	0.0441	0.047	0.065	0.0314	0.0365	0.015	0.015	0.5	0.4	0.0116	0.0115	0.000001	0.000001	0.0031	0.0028	0.0005	0.0005	
OF01-01	3-Oct-2019	0.00002	1.62	1.64	0.000005	0.000005	0.053	0.05	47.3	47	0.341	0.324	0.000005	0.000005	0.0028	0.0031	0.0002	0.0002	0.004
OF01-01	3-Nov-2020	0.00002	1.57	1.64	0.00001	0.00001	0.05	0.053	46.2	48.7	0.335	0.347	0.000005	0.000005	0.0033	0.0034	0.0003	0.0002	0.005
OF01-01	Average	0.0111	1.19	1.28	0.00786	0.0091	0.042	0.044	35.3	35.8	0.256	0.260	0.000003	0.000003	0.0030	0.0031	0.0003	0.0003	0.0045
OF01-2	3-Oct-2019	0.0011	1.51	1.54	0.000005	0.000005	0.045	0.045	43.8	42.3	0.366	0.351	0.000005	0.000005	0.0027	0.0028	0.0002	0.0003	0.014
OF01-2	3-Nov-2020	0.0021	2.06	2.51	0.00001	0.00003	0.044	0.046	43.9	44.5	0.376	0.39	0.000005	0.000005	0.0028	0.003	0.0004	0.0002	0.01
OF01-02	Average	0.002	1.79	2.03	0.00001	0.00002	0.045	0.05	43.9	43.4	0.37	0.37	0.000005	0.000005	0.0028	0.0029	0.0003	0.0003	0.0120
OF01-3	3-Oct-2019	0.0011	1.51	1.54	0.000005	0.000005	0.045	0.045	43.8	42.3	0.366	0.351	0.000005	0.000005	0.0027	0.0028	0.0002	0.0003	0.014
OF01-3	3-Nov-2020	0.0012	3.03	3.79	0.00001	0.00005	0.038	0.038	60.9	61.6	0.365	0.377	0.000005	0.000005	0.0033	0.0035	0.0002	0.0004	0.035
OF01-03	Average	0.001	2.27	2.67	0.00001	0.00003	0.042	0.04	52.4	52.0	0.37	0.36	0.000005	0.000005	0.0030	0.0032	0.0002	0.0004	0.0245
OF02	11-Oct-2017	0.0035	2.81	3.35	0.00001	0.00001	0.051	0.053	55.1	51.4	0.193	0.192	0.000002	0.000002	0.0023	0.0023	0.0004	0.0004	
OF02	25-Sep-2018	0.0047	4.27	4.37	0.000005	0.00020	0.036	0.041	48.2	47.2	0.231	0.224	0.000001	0.000001	0.0018	0.0017	0.0002	0.0002	
OF02	4-Oct-2019	0.01	0.303	1.17	0.000005	0.000105	0.049	0.048	64.9	62.9	0.0892	0.0842	0.000005	0.000005	0.0024	0.0027	0.0014	0.0015	0.002
OF02	28-Oct-2020	0.0086	3.7	4	0.00001	0.00011	0.038	0.041	48.6	49.5	0.219	0.223	0.000005	0.000005	0.0019	0.002	0.0002	0.0003	0.035
OF02	26-Oct-2021	0.0167	0.002	3.83	0.00001	0.00048	0.052	0.047	51.8	55.5	0.164	0.16	0.000005	0.000005	0.0020	0.002	0.0013	0.0013	0.005
OF02	Average	0.0087	2.22	3.34	0.00001	0.00018	0.045	0.046	53.7	53.3	0.179	0.177	0.000004	0.000004	0.0021	0.0021	0.0007	0.0007	0.014
OF03	11-Oct-2017	0.0212	2.04	2.72	0.00001	0.00006	0.025	0.024	40.9	39.2	0.349	0.350	0.000002	0.000002	0.0022	0.0024	0.0008	0.0008	
OF03	27-Sep-2018	0.0565	0.363	0.93	0.00001	0.00010	0.017	0.016	32.0	31.4	0.0583	0.0639	0.000001	0.000002	0.0038	0.0035	0.0016	0.0019	
OF03	3-Oct-2019	0.0426	0.459	1.06	0.000005	0.00003	0.026	0.025	43.1	42.2	0.105	0.102	0.000005	0.000005	0.002	0.0021	0.0012	0.001	0.002
OF03	29-Oct-2020	0.0034	1.37	1.26	0.00001	0.00002	0.026	0.028	44.3	45.6	0.231	0.238	0.000005	0.000005	0.0025	0.0026	0.0008	0.0008	0.005
OF03	26-Oct-2021	0.0136	0.004	0.733	0.00001	0.00002	0.025	0.023	37.9	41	0.122	0.146	0.000005	0.000005	0.0027	0.0026	0.0012	0.0015	0.005
OF03	Average	0.0275	0.85	1.34	0.00001	0.00005	0.024	0.023	39.6	39.9	0.173	0.180	0.000004	0.000004	0.0026	0.0026	0.0011	0.0012	0.004
OF04	11-Oct-2017	0.0297	0.020	0.080	0.0002	0.0004	0.013	0.016	69.3	69.4	0.0451	0.0619	0.000002	0.000002	0.0034	0.0039	0.0052	0.0058	
OF04	26-Sep-2018	0.0448	0.024	0.037	0.00096	0.0011	0.013	0.015	71.7	71.1	0.046	0.0477	0.000001	0.000001	0.0035	0.0035	0.0055	0.0059	
OF04	3-Oct-2019	0.0453	0.005	0.304	0.000175	0.00079	0.013	0.013	60.6	60.5	0.0288	0.0693	0.000005	0.000005	0.0028	0.0027	0.0046	0.0059	0.002
OF04	28-Oct-2020	0.0314	0.04	0.121	0.00016	0.00077	0.014	0.015	69	69.8	0.0586	0.0664	0.000005	0.000005	0.003	0.0031	0.0039	0.0043	0.005
OF04	26-Oct-2021	0.0141	0.001	0.021	0.00001	0.00015	0.017	0.015	62.7	66.6	0.0417	0.0498	0.000005	0.000005	0.0026	0.0029	0.0047	0.0047	0.005
OF04	Average	0.0331	0.02	0.11	0.00030	0.00064	0.014	0.015	66.7	67.5	0.044	0.059	0.000004	0.000004	0.0031	0.0032	0.0048	0.0053	0.004
OF05	12-Oct-2017	0.0024	0.680	0.72	0.00001	0.00003	0.030	0.032	50.0	49.3	0.226	0.235	0.000002	0.000002	0.0029	0.0033	0.0010	0.0011	
OF05	27-Sep-2018	0.0613	0.785	0.743	0.0002	0.0027	0.029	0.031	51.3	48.7	0.22	0.217	0.000001	0.000001	0.0034	0.0032	0.0012	0.0015	
OF05	3-Oct-2019	0.0154	0.166	0.723	0.000005	0.00039	0.032	0.029	47.4	47.5	0.198	0.194	0.000005	0.000005	0.0034	0.0032	0.00096	0.0011	0.002
OF05	28-Oct-2020	0.0082	0.731	0.833	0.00002	0.00010	0.029	0.032	47.2	49.9	0.196	0.2	0.000005	0.000005	0.0035	0.0037	0.00096	0.0011	0.005
OF05	Average	0.0218	0.59	0.75	0.00006	0.00080	0.030	0.031	49.0	48.9	0.210	0.212	0.000003	0.000003	0.0033	0.0034	0.0010	0.0012	0.004
OF06	12-Oct-2017	0.364	0.010	0.010	0.0017	0.00180	0.043	0.045	64.6	64.7	0.0084	0.0087	0.000004	0.000006	0.0047	0.0052	0.0032	0.0033	
OF06	2018																		
OF06	3-Oct-2019	0.354	0.019	0.040	0.00316	0.00484	0.0006	0.001	0.094	0.084	0.0004	0.0008	0.000005	0.000005	0.0041	0.0042	0.0045	0.0037	0.036
OF06	28-Oct-2020	0.152	0.011	0.076	0.00112	0.00306	0.001	0.002	0.274	0.268	0.0011	0.0022	0.000005	0.000005	0.0042	0.0045	0.0205	0.0213	0.02
OF06	26-Oct-2021	0.294	0.011	0.061	0.00138	0.00249	0.002	0.002	0.117	0.124	0.0005	0.0012	0.000005	0.000005	0.0038	0.0039	0.0010	0.0010	0.03
OF06	Average	0.291	0.013	0.047	0.00184	0.00305	0.012	0.013	16.27	16.29	0.0026	0.0032	0.000005	0.000005	0.0042	0.0045	0.0073	0.0073	0.03
OF07	12-Oct-2017	0.0039	0.350	0.41	0.00001	0.00004	0.057	0.058	58.4	59.0	0.898	0.914	0.000002	0.000002	0.0011	0.0013	0.0004	0.0004	
OF07	19-Oct-2018	0.0037	0.393	0.43	0.0002	0.0002	0.06	0.059	64.9	70.1	1	1.02	0.000001	0.000001	0.0012	0.0014	0.0004	0.0004	
OF07	2-Oct-2019	0.0162	0.014	0.234	0.00007	0.0024	0.008	0.008	0.274	0.263	0.0044	0.0057	0.000005	0.000005	0.0012	0.0012	0.0002	0.0003	0.002
OF07	29-Oct-2020	0.009	0.273	0.379	0.00016	0.0056	0.051	0.057	64.6	65.6	0.981	1	0.000005	0.000005	0.0013	0.0015	0.0005	0.0005	0.005
OF07	26-Oct-2021	0.0041	0.001	0.304	0.00001	0.0002	0.06	0.055	64.3	67.7	0.907	0.871	0.000005	0.000005	0.0013	0.0013	0.0004	0.0005	0.005
OF07	Average	0.0074	0.206	0.351	0.00009	0.0017	0.047	0.047	50.5	52.5	0.758	0.762	0.000004	0.000004	0.0012	0.0013	0.0004	0.0004	0.004

Table 2a: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF01 to OF07)

Client Sample ID	Date Sampled	Phosphorus (P)-Total	Potassium (K)-Dissolved	Potassium (K)-Total	Rubidium (Rb)-Dissolved	Rubidium (Rb)-Total	Selenium (Se)-Dissolved	Selenium (Se)-Total	Silicon (Si)-Dissolved	Silicon (Si)-Total	Silver (Ag)-Dissolved	Silver (Ag)-Total	Sodium (Na)-Dissolved	Sodium (Na)-Total	Strontium (Sr)-Dissolved	Strontium (Sr)-Total	Sulfur (S)-Dissolved	Sulfur (S)-Total	Tellurium (Te)-Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO	0.03						0.10				0.00010							
	ODWG						0.050												
OF01(-01)	11-Oct-2017	0.0083	5.26	5.25			0.0002	0.0002			0.00001	0.00001	29.5	28.6	0.972	1.05			0.00003
OF01(-01)	26-Sep-2018	0.139	1.73	1.67	0.00051	0.00048	0.000025	0.00004	10.3	10.3	0.0000005	0.000007	252	260	0.0162	0.0144	23.3	25.3	0.000005
OF01-01	3-Oct-2019	0.005	5.49	5.31	0.00145	0.0015	0.00007	0.000015	10.5	10.4	0.0000005	0.000001	31.3	30.7	1.01	1	24	23.3	0.000045
OF01-01	3-Nov-2020	0.02	5.51	5.63	0.00146	0.00146	0.000015	0.00003	10.8	11.5	0.00001	0.000007	29.9	31.8	1.03	1.06	23.6	24	0.00002
OF01-01	Average	0.043	4.50	4.47	0.00114	0.00115	0.00008	0.00007	10.53	10.73	0.000005	0.000006	85.7	87.8	0.757	0.781	23.6	24.2	0.00003
OF01-2	3-Oct-2019	0.01	5.35	5.17	0.00123	0.0013	0.00021	0.00004	11	11	0.0000005	0.000001	28.8	29.1	0.959	0.962	17.9	17.4	0.00007
OF01-2	3-Nov-2020	0.03	5.2	5.33	0.00128	0.00129	0.00001	0.000035	11.3	11.7	0.000001	0.000001	28.4	29.8	0.975	1.02	19	18.2	0.00003
OF01-02	Average	0.020	5.28	5.25	0.00126	0.00130	0.00011	0.00004	11.15	11.35	0.000001	0.000001	28.6	29.5	0.967	0.991	18.5	17.80	0.00005
OF01-3	3-Oct-2019	0.01	5.35	5.17	0.00123	0.0013	0.00021	0.00004	11	11	0.0000005	0.000001	28.8	29.1	0.959	0.962	17.9	17.4	0.00007
OF01-3	3-Nov-2020	0.08	4.92	5.13	0.00176	0.00181	0.00003	0.000015	13.1	13	0.000004	0.000005	11.7	12.2	0.435	0.447	6	6	0.00001
OF01-03	Average	0.045	5.14	5.15	0.00150	0.00156	0.00012	0.00003	12.05	12.00	0.000002	0.000003	20.3	20.7	0.697	0.705	12.0	11.70	0.00004
OF02	11-Oct-2017	0.03	5.52	5.28			0.0002	0.0002			0.00001	0.00001	30.9	26.6	0.713	0.701			0.00002
OF02	25-Sep-2018	0.0645	6.05	5.7	0.00113	0.00111	0.00003	0.00006	10.7	10.6	0.0000005	0.000003	30.5	31.9	0.821	0.752	12.4	13.7	0.00004
OF02	4-Oct-2019	0.01	4.64	4.33	0.00288	0.00268	0.000385	0.00031	9.91	9.82	0.000001	0.000001	20.3	19.8	0.543	0.536	7.1	6.9	0.000005
OF02	28-Oct-2020	0.06	5.86	6.28	0.00133	0.00136	0.000005	0.000025	10.4	11.7	0.000003	0.000002	30.5	32	0.791	0.797	13	14.4	0.00001
OF02	26-Oct-2021	0.045	4.83	4.74	0.00148	0.00141	0.00012	0.000155	10.7	11.1	0.0000005	0.000005	24.1	24	0.643	0.662	12.2	13	0.00002
OF02	Average	0.042	5.38	5.27	0.00171	0.00164	0.00015	0.00015	10.43	10.81	0.000003	0.000004	27.3	26.9	0.702	0.690	11.2	12.0	0.000019
OF03	11-Oct-2017	0.0081	3.15	3.18			0.0002	0.0002			0.00001	0.00001	13.7	12.3	0.276	0.306			0.00001
OF03	27-Sep-2018	0.009	1.57	1.54	0.00057	0.0006	0.0003	0.0003	8.92	8.85	0.0000005	0.000001	7.74	8.25	0.233	0.22	2.1	2.1	0.000005
OF03	3-Oct-2019	0.005	3.06	2.89	0.00099	0.00103	0.000135	0.00012	11.6	11.6	0.0000005	0.000001	13.4	13.2	0.307	0.308	5.5	5.5	0.00002
OF03	29-Oct-2020	0.01	3.25	3.38	0.0011	0.00119	0.00023	0.00029	12.1	12.9	0.0000005	0.000001	13.7	14.3	0.31	0.313	5.8	6.6	0.00005
OF03	26-Oct-2021	0.02	2.48	2.64	0.00092	0.00098	0.000295	0.00022	11.9	12.2	0.0000005	0.000003	11.7	11.8	0.299	0.294	5	5.6	0.00001
OF03	Average	0.010	2.70	2.73	0.00090	0.00095	0.00023	0.00023	11.13	11.39	0.000002	0.000003	12.0	12.0	0.285	0.288	4.6	5.0	0.000019
OF04	11-Oct-2017	0.0018	3.33	3.40			0.0018	0.0016			0.00001	0.00001	48.3	45.9	0.934	1.05			0.00002
OF04	26-Sep-2018	0.0030	3.53	3.44	0.00121	0.00115	0.0018	0.0017	8.45	8.81	0.0000015	0.000003	46.6	48.3	0.983	0.959	12.3	13.7	0.00003
OF04	3-Oct-2019	0.005	2.82	2.6	0.00122	0.00115	0.00244	0.00197	8.6	8.61	0.0000005	0.000001	37.8	37.2	0.866	0.879	8.5	8.3	0.000035
OF04	28-Oct-2020	0.015	3.29	3.28	0.00128	0.0014	0.00163	0.00151	9	9.86	0.000005	0.00001	40.7	42.7	1.07	1.09	10.6	10.8	0.00001
OF04	26-Oct-2021	0.005	2.82	3	0.00116	0.00114	0.00308	0.00241	9.75	9.95	0.000001	0.000004	30.7	31.9	0.763	0.824	9.2	10.2	0.00001
OF04	Average	0.006	3.16	3.14	0.00122	0.00121	0.00215	0.00184	8.95	9.31	0.000004	0.000006	40.8	41.2	0.923	0.960	10.2	10.8	0.000021
OF05	12-Oct-2017	0.0085	4.52	4.66			0.0002	0.0002			0.00001	0.00001	13.6	12.7	0.345	0.368			0.00001
OF05	27-Sep-2018	0.0035	4.48	4.28	0.00631	0.00612	0.00005	0.000045	9.71	9.82	0.0000005	0.00002	11.4	11.5	0.364	0.341	7.5	8.5	0.000025
OF05	3-Oct-2019	0.005	4.32	4.26	0.00642	0.00631	0.00008	0.00007	9.39	9.16	0.0000015	0.000004	12	11.5	0.347	0.332	8.1	7.9	0.00001
OF05	28-Oct-2020	0.01	4.45	4.69	0.0064	0.00666	0.00005	0.00008	9.45	10.2	0.000002	0.000003	11.1	11.5	0.334	0.344	8	8.4	0.00001
OF05	Average	0.007	4.44	4.47	0.00638	0.00636	0.00010	0.00010	9.52	9.73	0.000004	0.000009	12.0	11.8	0.348	0.346	7.9	8.3	0.000014
OF06	12-Oct-2017	0.0458	4.70	4.88			0.0002	0.0002			0.00008	0.00027	12.0	12.1	0.384	0.393			0.00002
OF06	2018																		
OF06	3-Oct-2019	0.025	0.63	0.59	0.00078	0.00071	0.0011	0.00106	7.75	7.78	0.000006	0.00011	243	242	0.0011	0.0009	3.4	3.5	0.000005
OF06	28-Oct-2020	0.0450	3.69	3.83	0.00128	0.00124	0.00022	0.00023	10.3	10.8	0.00008	0.00022	263	273	0.0027	0.0026	5.6	5.8	0.00001
OF06	26-Oct-2021	0.0300	0.99	0.99	0.00097	0.00097	0.000495	0.00044	10.4	10.6	0.00003	0.00005	277	274	0.0012	0.0011	4.8	5	0.00001
OF06	Average	0.0365	2.50	2.57	0.00101	0.00097	0.00050	0.00048	9.5	9.7	0.00005	0.00016	199	200	0.0973	0.0994	4.6	4.8	0.00001
OF07	12-Oct-2017	0.0001	4.33	4.34			0.0002	0.0002			0.00001	0.00001	16.5	16.7	0.687	0.719			0.00003
OF07	19-Oct-2018	0.0005	4.38	4.53	0.00154	0.00156	0.00003	0.000035	10.4	10.5	0.0000005	0.000001	17.5	18.4	0.667	0.705	28.6	29.7	0.00003
OF07	2-Oct-2019	0.005	0.83	0.77	0.00025	0.00026	0.00002	0.000025	9.47	9.45	0.0000005	0.000001	293	290	0.0035	0.0033	25.6	25.4	0.000005
OF07	29-Oct-2020	0.005	4.94	5.11	0.00172	0.00172	0.00001	0.00003	9.94	10.9	0.000001	0.000005	18.6	19.2	0.659	0.718	26.8	26	0.00002
OF07	26-Oct-2021	0.005	5.95	6.01	0.00216	0.00207	0.000015	0.00002	10.5	10.8	0.0000005	0.000001	68.6	67.7	0.327	0.341	27.6	29	0.00001
OF07	Average	0.003	4.09	4.15	0.00142	0.00140	0.00006	0.00006	10.1	10.4	0.000003	0.000004	82.8	82.4	0.469	0.497	27.2	27.5	0.00002

Table 2a: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF01 to OF07)

Client Sample ID	Date Sampled	Tellurium (Te)-Total	Thallium (Tl)-Dissolved	Thallium (Tl)-Total	Thorium (Th)-Dissolved	Thorium (Th)-Total	Tin (Sn)-Dissolved	Tin (Sn)-Total	Titanium (Ti)-Dissolved	Titanium (Ti)-Total	Tungsten (W)-Dissolved	Tungsten (W)-Total	Uranium (U)-Dissolved	Uranium (U)-Total	Vanadium (V)-Dissolved	Vanadium (V)-Total	Zinc (Zn)-Dissolved	Zinc (Zn)-Total	Zirconium (Zr)-Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO			0.00030										0.0050		0.0060		0.020	
	ODWG												0.020						
OF01(-01)	11-Oct-2017	0.0001	0.000002	0.000002			0.00002	0.00002	0.00005	0.0001	0.00006000	0.00007	0.0019	0.0021	0.00005	0.00005	0.0005	0.0005	0.0002
OF01(-01)	26-Sep-2018	0.00002	0.0000001	0.0000002	0.000002	0.000002	0.0054	0.0038	0.00002	0.00006	0.000022	0.000032	0.0021	0.002	0.0001	0.0001	0.134	0.130	0.00009
OF01-01	3-Oct-2019	0.0001	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.00001	0.00002	0.00002	0.000064	0.000064	0.0014	0.0019	0.00004	0.00005	0.0172	0.0004	0.0002
OF01-01	3-Nov-2020	0.00006	0.000002	0.000005	0.00001	0.00001	0.000005	0.00002	0.00002	0.0002	0.000072	0.00007	0.002	0.0021	0.00002	0.00005	0.0036	0.0005	0.0002
OF01-01	Average	0.00007	0.0000011	0.0000019	0.000005	0.000004	0.00136	0.00096	0.00003	0.00010	0.00005	0.00006	0.0019	0.0020	0.00005	0.00006	0.0388	0.033	0.00017
OF01-2	3-Oct-2019	0.00004	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.00001	0.00002	0.00008	0.000068	0.000064	0.0015	0.0016	0.00004	0.00005	0.0106	0.0104	0.0002
OF01-2	3-Nov-2020	0.00008	0.000002	0.000005	0.00001	0.00001	0.000015	0.00003	0.00002	0.00006	0.000046	0.00005	0.0017	0.0017	0.00002	0.00005	0.0126	0.009	0.00007
OF01-02	Average	0.0000600	0.0000011	0.0000026	0.000006	0.000006	0.000010	0.00002	0.00002	0.00007	0.00006	0.0001	0.0016	0.00165	0.00003	0.0001	0.0116	0.0097	0.00014
OF01-3	3-Oct-2019	0.00004	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.00001	0.00002	0.00008	0.000068	0.000064	0.0015	0.0016	0.00004	0.00005	0.0106	0.0104	0.0002
OF01-3	3-Nov-2020	0.00002	0.000002	0.000005	0.00001	0.00001	0.000005	0.00005	0.00008	0.0012	0.000054	0.00006	0.0011	0.0012	0.00002	0.0002	0.0008	0.0025	0.0006
OF01-03	Average	0.0000300	0.0000011	0.0000026	0.000006	0.000006	0.000005	0.00003	0.00005	0.00064	0.00006	0.0001	0.0013	0.00140	0.00003	0.0001	0.0057	0.0065	0.00040
OF02	11-Oct-2017	0.00007	0.000002	0.000002			0.00002	0.00002	0.00005	0.0001	0.00006000	0.000060	0.0024	0.0023	0.00005	0.0002	0.0035	0.0055	0.00006
OF02	25-Sep-2018	0.00008	0.0000001	0.000003	0.000002	0.00002	0.000005	0.00009	0.00002	0.00008	0.00007	0.000072	0.0012	0.0011	0.0001	0.0002	0.0024	0.0044	0.00006
OF02	4-Oct-2019	0.00002	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.0022	0.00002	0.0002	0.00002	0.000014	0.0043	0.0049	0.0003	0.0003	0.177	0.017	0.0002
OF02	28-Oct-2020	0.00004	0.000002	0.000005	0.00001	0.00001	0.000005	0.00005	0.00002	0.0002	0.000066	0.00008	0.0016	0.0016	0.00004	0.00005	0.0032	0.0035	0.00006
OF02	26-Oct-2021	0.00006	0.000002	0.000005	0.00001	0.00001	0.000005	0.0004	0.00006	0.0001	0.000044	0.00005	0.003	0.0032	0.00002	0.0002	0.0014	0.007	0.0001
OF02	Average	0.000054	0.000001	0.000008	0.00001	0.00001	0.00001	0.0006	0.00003	0.0001	0.000052	0.00006	0.0025	0.0026	0.0001	0.0002	0.038	0.007	0.0001
OF03	11-Oct-2017	0.00003	0.000002	0.000002			0.00002	0.00002	0.00005	0.0002	0.00002000	0.00003	0.0025	0.0027	0.0001	0.0002	0.0220	0.02	0.00008
OF03	27-Sep-2018	0.00006	0.0000002	0.0000014	0.000002	0.00001	0.00002	0.0002	0.0003	0.0015	0.000012	0.000014	0.0034	0.0036	0.0003	0.0005	0.0364	0.143	0.0002
OF03	3-Oct-2019	0.00001	0.0000001	0.0000002	0.000002	0.000001	0.00001	0.00001	0.00002	0.0003	0.000018	0.000012	0.0031	0.0034	0.0015	0.0003	0.904	0.0586	0.0001
OF03	29-Oct-2020	0.00002	0.000002	0.000005	0.00001	0.00001	0.00001	0.00002	0.00002	0.0002	0.000024	0.00002	0.0031	0.0033	0.00008	0.0002	0.0084	0.009	0.00009
OF03	26-Oct-2021	0.00004	0.000002	0.000005	0.00001	0.00001	0.00001	0.00003	0.00002	0.0003	0.000014	0.00002	0.0037	0.0035	0.0001	0.0003	0.0152	0.017	0.0001
OF03	Average	0.000032	0.000001	0.000003	0.00001	0.00001	0.00001	0.0001	0.00008	0.0005	0.000018	0.00002	0.0032	0.0033	0.0004	0.0003	0.197	0.049	0.0001
OF04	11-Oct-2017	0.0001	0.000002	0.000002			0.00002	0.00004	0.00005	0.0001	0.00009000	0.0001200	0.0026	0.0028	0.0003	0.0004	0.0200	0.019	0.0003
OF04	26-Sep-2018	0.0001	0.0000013	0.0000016	0.000002	0.000001	0.00008	0.00004	0.00002	0.0001	0.00009	0.000088	0.0024	0.0023	0.0003	0.0005	0.0314	0.03	0.0004
OF04	3-Oct-2019	0.00005	0.0000001	0.0000002	0.000006	0.000001	0.000015	0.00003	0.00004	0.00002	0.000286	0.000112	0.0017	0.0019	0.0003	0.0006	0.0312	0.049	0.0005
OF04	28-Oct-2020	0.00008	0.000002	0.000005	0.00001	0.00001	0.00006	0.0003	0.00002	0.0002	0.000114	0.00013	0.0021	0.0022	0.0002	0.0003	0.0416	0.062	0.0005
OF04	26-Oct-2021	0.00006	0.000002	0.000005	0.00001	0.00001	0.000005	0.00005	0.00004	0.00003	0.000064	0.00008	0.0021	0.0021	0.0003	0.0004	0.0058	0.008	0.0003
OF04	Average	0.000078	0.000001	0.000003	0.00002	0.00001	0.00004	0.0001	0.00003	0.0001	0.000129	0.00011	0.0022	0.0023	0.0003	0.0004	0.026	0.033	0.0004
OF05	12-Oct-2017	0.00004	0.000002	0.000008			0.00002	0.00002	0.00005	0.0001	0.00001000	0.00002	0.0041	0.0044	0.00005	0.00005	0.0030	0.0025	0.0002
OF05	27-Sep-2018	0.00004	0.0000043	0.0000036	0.000002	0.000001	0.000015	0.00009	0.00002	0.00004	0.000016	0.000012	0.0043	0.004	0.0001	0.0003	0.0138	0.0198	0.0002
OF05	3-Oct-2019	0.00001	0.0000025	0.0000002	0.000008	0.000001	0.000005	0.0002	0.00002	0.00002	0.000122	0.00001	0.004	0.004	0.00004	0.0001	0.0066	0.0066	0.0002
OF05	28-Oct-2020	0.00004	0.00001	0.000005	0.00001	0.00001	0.000005	0.0001	0.00002	0.0001	0.000014	0.00001	0.0044	0.0046	0.00006	0.00005	0.0018	0.0020	0.0002
OF05	Average	0.000033	0.000005	0.000004	0.00001	0.00000	0.00001	0.0003	0.00003	0.0001	0.000041	0.00001	0.0042	0.0043	0.0001	0.0001	0.006	0.008	0.0002
OF06	12-Oct-2017	0.00004	0.000006	0.000008			0.00002	0.00002	0.0001	0.0002	0.00001	0.00001	0.0058	0.0060	0.0005	0.0005	0.0790	0.08	0.0002
OF06	2018																		
OF06	3-Oct-2019	0.00001	0.0000001	0.0000002	0.000002	0.000001	0.0002	0.0022	0.0002	0.0005	0.000008	0.000002	0.0064	0.0070	0.0013	0.0007	0.3970	0.107	0.0003
OF06	28-Oct-2020	0.00002	0.000002	0.00001	0.00001	0.00001	0.000025	0.0009	0.00004	0.0003	0.00001	0.00002	0.0064	0.0067	0.0004	0.0007	0.0642	0.0685	0.0002
OF06	26-Oct-2021	0.00002	0.000002	0.000005	0.00001	0.00001	0.0005	0.0017	0.0003	0.0008	0.000008	0.00001	0.0043	0.0044	0.0005	0.0005	0.0198	0.0145	0.0002
OF06	Average	0.00002	0.000003	0.000006	0.00001	0.00001	0.0002	0.0012	0.0002	0.0005	0.00001	0.00001	0.0057	0.0060	0.001	0.0006	0.1400	0.0675	0.0002
OF07	12-Oct-2017	0.0001	0.000002	0.000002			0.00002	0.00002	0.0001	0.0001	0.00001	0.00001	0.0047	0.0049	0.0001	0.0001	0.0040	0.0050	0.00004
OF07	19-Oct-2018	0.00007	0.0000002	0.000001	0.000002	0.000001	0.000005	0.00001	0.00002	0.0001	0.00001	0.00001	0.0047	0.0050	0.0001	0.0003	0.0206	0.0224	0.00003
OF07	2-Oct-2019	0.00001	0.0000001	0.0000002	0.000002	0.000001	0.0001	0.0004	0.00002	0.0002	0.00001	0.00001	0.0039	0.0044	0.00008	0.0001	0.0068	0.0126	0.00004
OF07	29-Oct-2020																		

Table 2a: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF01 to OF07)

Client Sample ID	Date Sampled	Zirconium (Zr)-Total
Unit		mg/L
	PWQO	
	ODWG	
OF01(-01)	11-Oct-2017	0.0002
OF01(-01)	26-Sep-2018	0.00006
OF01-01	3-Oct-2019	0.0002
OF01-01	3-Nov-2020	0.0002
OF01-01	Average	0.00017
OF01-2	3-Oct-2019	0.0002
OF01-2	3-Nov-2020	0.0001
OF01-02	Average	0.00015
OF01-3	3-Oct-2019	0.0002
OF01-3	3-Nov-2020	0.0007
OF01-03	Average	0.00045
OF02	11-Oct-2017	0.00006
OF02	25-Sep-2018	0.00008
OF02	4-Oct-2019	0.0002
OF02	28-Oct-2020	0.00008
OF02	26-Oct-2021	0.0002
OF02	Average	0.0001
OF03	11-Oct-2017	0.0001
OF03	27-Sep-2018	0.0002
OF03	3-Oct-2019	0.0002
OF03	29-Oct-2020	0.0001
OF03	26-Oct-2021	0.0002
OF03	Average	0.0002
OF04	11-Oct-2017	0.0005
OF04	26-Sep-2018	0.0004
OF04	3-Oct-2019	0.0004
OF04	28-Oct-2020	0.0006
OF04	26-Oct-2021	0.0003
OF04	Average	0.0004
OF05	12-Oct-2017	0.0002
OF05	27-Sep-2018	0.0002
OF05	3-Oct-2019	0.0002
OF05	28-Oct-2020	0.0002
OF05	Average	0.0002
OF06	12-Oct-2017	0.0002
OF06	2018	
OF06	3-Oct-2019	0.0002
OF06	28-Oct-2020	0.0002
OF06	26-Oct-2021	0.0002
OF06	Average	0.0002
OF07	12-Oct-2017	0.00004
OF07	19-Oct-2018	0.000038
OF07	2-Oct-2019	0.00005
OF07	29-Oct-2020	0.00004
OF07	26-Oct-2021	0.00004
OF07	Average	0.00004

Table 2b: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF08 to OFFB)

Client Sample ID	Date Sampled	Alkalinity, Total (as CaCO3) mg/L	Ammonia, Total (as N) mg/L	Chloride (Cl) mg/L	Conductivity (EC) uS/cm	Cyanide, Free mg/L	Cyanide, Total mg/L	Cyanide, Weak Acid Dissolved mg/L	Hardness (as CaCO3) mg/L	Nitrate (as N) mg/L	Nitrite (as N) mg/L	pH	Sulfate (SO4) mg/L	Total Dissolved Solids mg/L	Aluminum (Al)-Dissolved mg/L	Aluminum (Al)-Total mg/L	Antimony (Sb)-Dissolved mg/L	Antimony (Sb)-Total mg/L	Arsenic (As)-Dissolved mg/L	Arsenic (As)-Total mg/L	Barium (Ba)-Dissolved mg/L
Unit		mg/L	mg/L	mg/L	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO					0.0050						6.5-8.5				0.0750		0.020		0.005	
	ODWG					0.20	0.20			10	1.00	6.5-8.5			0.100		0.006		0.01		1.00
OF08	13-Oct-2017	429	0.076	19.9	790	0.0001	0.0002	0.0001	405	0.005		7.28	9.44	475	0.0020	0.0035	0.00004	0.00001	0.00040	0.0005	0.092
OF08	19-Oct-2018	425	0.12	25.5	836	0.0001	0.0002	0.0003	445	0.015	0.004	7.29	9.68	440	0.0024	0.0002	0.000005	0.00002	0.0004	0.0005	0.092
OF08	2-Oct-2019	421	0.09	29.7	859	0.0001	0.0002	0.0002	10.3	0.001	0.002	7.28	10.4	516	0.0024	0.0002	0.00003	0.00002	0.0003	0.0003	0.002
OF08	29-Oct-2020	422	0.042	46.1	883	0.0004	0.0006	0.001	425	0.708	0.001	7.96	11.0	516	0.0004	0.0008	0.00002	0.00002	0.0003	0.0004	0.095
OF08	26-Oct-2021	428	0.056	76.4	965	0.0003	0.0002	0.0001	448	0.010	0.001	7.58	11.6	580	0.0002	0.0002	0.000005	0.00002	0.0002	0.0003	0.103
OF08	Average	425	0.077	39.52	867	0.000	0.000	0.000	347	0.148	0.002	7.48	10.4	505	0.001	0.001	0.000020	0.000018	0.0003	0.000	0.077
OF09	13-Oct-2017	546	0.256	1.02	948	0.0001	0.0002	0.0001	508	0.005		7.42	33.7	555	0.0010	0.0100	0.00003	0.00003	0.00620	0.0087	0.106
OF09	26-Sep-2018	524	0.356	1.08	997	0.0005	0.0002	0.0001	536	0.015	0.003	7.80	36.7	554	0.0006	0.0028	0.000005	0.00002	0.0069	0.0071	0.114
OF09	4-Oct-2019	558	0.196	1.12	958	0.0001	0.0004	0.0001	523	0.001	0.002	8.04	30.5	536	0.0004	0.003	0.00008	0.00008	0.0039	0.0043	0.102
OF09	28-Oct-2020	552	0.21	1.07	953	0.0005	0.0002	0.0001	524	0.036	0.001	7.99	35.4	558	0.0004	0.0042	0.00001	0.00002	0.0056	0.0074	0.104
OF09	26-Oct-2021	576	0.242	1.64	988	0.0002	0.0002	0.0001	498	0.002	0.001	7.79	37.3	526	0.0002	0.0042	0.00001	0.00003	0.0012	0.004	0.102
OF09	Average	551	0.252	1.19	969	0.000	0.000	0.000	518	0.012	0.002	7.81	34.7	546	0.001	0.005	0.000027	0.000036	0.0048	0.006	0.106
OF10	14-Oct-2017	489	0.118	38.5	947	0.0001	0.0002	0.0001	406	0.790		7.11	18.0	545	0.0010	0.0090	0.00015	0.00015	0.00050	0.0005	0.097
OF10	2018																				
OF10	4-Oct-2019	458	0.006	16.5	838	0.0001	0.0006	0.0001	390	0.425	0.004	7.81	7.8	468	0.0018	0.009	0.00021	0.00022	0.0005	0.0005	0.084
OF10	28-Oct-2020	441	0.054	42.8	924	0.0003	0.0002	0.0001	370	2.120	0.001	7.98	21.3	532	0.0014	0.0052	0.0001	0.00012	0.0004	0.0004	0.086
OF10	26-Oct-2021	416	0.242	15.9	769	0.0001	0.0002	0.0001	334	0.322	0.002	7.76	10.3	412	0.0014	0.01	0.00022	0.00025	0.0004	0.0007	0.075
OF10	Average	451	0.105	28.4	870	0.0002	0.0003	0.0001	375.0	0.914	0.002	7.7	14.3	489	0.0014	0.0083	0.00017	0.0002	0.0005	0.0005	0.0855
OF11	4-Oct-2018	470	0.118	6.21	837	0.0004	0.0002	0.0001	459	0.050	0.001	7.69	6.3	458	0.0026	0.0072	0.00036	0.0004	0.0006	0.0006	0.068
OF11	2-Oct-2019	327	0.01	3.48	725	0.0001	0.0008	0.0004	405	0.015	0.001	7.5	1.9	412	0.0022	0.011	0.00033	0.00034	0.0005	0.0006	0.067
OF11	29-Oct-2020	574	0.066	8.44	982	0.0003	0.0006	0.0007	552	0.077	0.002	7.98	7.3	540	0.0002	0.0024	0.00015	0.00015	0.0014	0.0017	0.11
OF11	27-Oct-2021	546	0.046	8.87	932	0.0001	0.0004	0.0001	502	0.026	0.001	7.63	7.5	486	0.0002	0.0056	0.00032	0.00049	0.0005	0.0016	0.094
OF11	Average	479	0.060	6.75	869	0.000	0.001	0.000	480	0.042	0.001	7.70	5.7	474	0.001	0.007	0.000290	0.000345	0.0008	0.001	0.085
OF12	28-Oct-2020	400	0.24	3.38	728	0.0002	0.0002	0.0001	356	0.041	0.000	8.21	23.2	436	0.0006	0.0016	0.00002	0.00003	0.0111	0.011	0.093
OF12	27-Oct-2021	387	0.268	2.99	702	0.0001	0.0002	0.0001	322	0.002	0.001	8.06	29.3	384	0.0002	0.0006	0.000005	0.00001	0.0065	0.013	0.082
OF12	Average	394	0.254	3.19	715	0.0002	0.0002	0.0001	339	0.022	0.001	8.14	26.3	410	0.0004	0.0011	0.0000	0.0000	0.0088	0.0122	0.0875
OF13	2-Nov-2020	575	0.044	7.14	977	0.0006	0.0002	0.0003	523	0.096	0.014	7.63	19.8	548	0.0004	0.0002	0.00004	0.00004	0.0002	0.0004	0.127
OF13	27-Oct-2021	526	0.014	1.12	893	0.0001	0.0002	0.0001	460	0.630	0.001	7.74	18.9	462	0.0002	0.0022	0.00007	0.00008	0.0001	0.0002	0.133
OF13	Average	551	0.029	4.13	935	0.0004	0.0002	0.0002	492	0.363	0.0075	7.69	19.4	505	0.0003	0.00120	0.00006	0.00006	0.00015	0.0003	0.130
OF14	27-Oct-2021	390	0.01	5.24	822	0.0001	0.0002	0.0001	0.81	0.002	0.001	8.41	62.2	460	0.001	0.0012	0.000005	0.00002	0.007	0.0066	0.00023
OF14	Average	390	0.010	5.24	822	0.0001	0.0002	0.0001	0.81	0.002	0.0010	8.41	62.2	460	0.0010	0.00120	0.00001	0.00002	0.0070	0.0066	0.000
OF100	27-Oct-2021	385	0.272	2.96	698	0.0001	0.0008	0.0002	326	0.002	0.001	8.08	28.8	402	0.0002	0.0006	0.000005	0.00002	0.0064	0.0133	0.083
OF100	Average	385	0.272	2.96	698	0.0001	0.0008	0.0002	326	0.002	0.0010	8.08	28.8	402	0.0002	0.00060	0.00001	0.00002	0.0064	0.0133	0.083
OF32	5-Nov-2021	562	0.044	0.2	973	0.0001	0.0002	0.0001	467	0.61	0.001	7.75	11.5	534	0.0018	0.0018	0.00005	0.00005	0.0016	0.0016	0.034
OF32	Average	562	0.044	0.20	973	0.0001	0.0002	0.0001	467	0.610	0.0010	7.75	11.5	534	0.0018	0.00180	0.00005	0.00005	0.0016	0.0016	0.034
OFFB	27-Oct-2021	0.4	0.002	0.1	0.4	0.0001	0.0002	0.0001	0.51	0.002	0.001	5.45	0.05	2	0.0002	0.0002	0.00002	0.00001	0.000001	0.00004	0.00001
OFFB	Average	0	0.002	0.10	0	0.0001	0.0002	0.0001	0.51	0.002	0.0010	5.45	0.1	2	0.0002	0.00020	0.00002	0.00001	0.000001	0.00004	0.000
Overall Average		500	0.189	20.73	952	0.0002	0.0003	0.0002	429	0.241	0.003	7.71	31.2	547.8	0.0012	0.0049	0.00010	0.00011	0.00396	0.0044	0.076

Table 2b: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF08 to OFFB)

Client Sample ID	Date Sampled	Barium (Ba)- Total	Beryllium (Be)- Dissolved	Beryllium (Be)- Total	Bismuth (Bi)- Dissolved	Bismuth (Bi)- Total	Boron (B)- Dissolved	Boron (B)- Total	Cadmium (Cd)- Dissolved	Cadmium (Cd)- Total	Calcium (Ca)- Dissolved	Calcium (Ca)- Total	Cesium (Cs)- Dissolved	Cesium (Cs)- Total	Chromium (Cr)- Dissolved	Chromium (Cr)- Total	Cobalt (Co)- Dissolved	Cobalt (Co)- Total	Copper (Cu)- Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO			0.0011				0.20		0.0001						0.0010		0.0009	
	ODWG						5.00		0.0050						0.050				1.00
OF08	13-Oct-2017	0.091	0.00001	0.00001	0.00002	0.00002	0.027	0.026	0.000005	0.000005	108	110			0.0001	0.0001	0.00285	0.00289	0.0001
OF08	19-Oct-2018	0.089	0.000002	0.000001	0.000002	0.000002	0.034	0.031	0.000004	0.000001	118	122	0.000046	0.000047	0.00006	0.00006	0.00281	0.0030	0.0008
OF08	2-Oct-2019	0.002	0.000002	0.000001	0.000002	0.000024	0.025	0.026	0.0000005	0.000001	1.97	1.97	0.000021	0.00002	0.0001	0.0003	0.00012	0.00012	0.0036
OF08	29-Oct-2020	0.098	0.000002	0.0000001	0.000002	0.00001	0.031	0.029	0.000008	0.000025	112	116	0.000056	0.000055	0.00004	0.0001	0.00256	0.00267	0.0009
OF08	26-Oct-2021	0.104	0.000002	0.0000001	0.000002	0.00001	0.029	0.029	0.000018	0.000024	121	126	0.000054	0.00006	0.00001	0.00002	0.00257	0.00264	0.0016
OF08	Average	0.077	0.000004	0.000002	0.000006	0.00001	0.029	0.028	0.000007	0.000013	92.2	95.2	0.000044	0.000046	0.00006	0.00012	0.00218	0.00226	0.001
OF09	13-Oct-2017	0.108	0.00001	0.00001	0.00002	0.00002	0.059	0.070	0.000005	0.000005	99	108			0.0001	0.0001	0.00006	0.00007	0.0002
OF09	26-Sep-2018	0.114	0.000002	0.000001	0.000002	0.000002	0.07	0.063	0.000001	0.000002	102	103	0.0000095	0.0000095	0.0001	0.00004	0.00005	0.00006	0.0022
OF09	4-Oct-2019	0.106	0.000002	0.000001	0.000002	0.000002	0.055	0.062	0.0000005	0.000003	101	101	0.000012	0.000011	0.00008	0.0001	0.00009	0.00012	0.0026
OF09	28-Oct-2020	0.11	0.000002	0.0000001	0.000002	0.00001	0.068	0.061	0.000004	0.000004	98.4	102	0.000013	0.000011	0.00004	0.00006	0.00006	0.00006	0.00096
OF09	26-Oct-2021	0.112	0.000002	0.0000028	0.000002	0.00001	0.059	0.062	0.0000005	0.000003	97.1	106	0.000013	0.000014	0.00001	0.00006	0.00006	0.00007	0.0008
OF09	Average	0.110	0.000004	0.000003	0.000006	0.00001	0.062	0.064	0.000002	0.000003	99.6	104.0	0.000012	0.000011	0.00007	0.00007	0.00006	0.00008	0.001
OF10	14-Oct-2017	0.098	0.00001	0.00001	0.00002	0.00002	0.059	0.066	0.000030	0.000030	91.7	95.5			0.0003	0.0004	0.00037	0.00042	0.0755
OF10	2018																		
OF10	4-Oct-2019	0.085	0.000002	0.000001	0.000002	0.000002	0.046	0.052	0.000037	0.000039	86.3	84.5	0.000002	0.0000005	0.0003	0.0004	0.00043	0.00043	0.245
OF10	28-Oct-2020	0.085	0.000002	0.0000001	0.000002	0.00001	0.082	0.074	0.00004	0.000042	81.1	82.8	0.000004	0.000002	0.0004	0.0005	0.00065	0.00067	0.111
OF10	26-Oct-2021	0.081	0.000002	0.0000008	0.000002	0.00001	0.051	0.048	0.000055	0.000062	77.3	81.1	0.000004	0.000004	0.00006	0.0003	0.00032	0.00052	0.0726
OF10	Average	0.0873	0.000004	0.000003	0.00001	0.00001	0.060	0.060	0.000041	0.000043	84.10	85.98	0.000003	0.000002	0.00027	0.0004	0.00044	0.00051	0.126
OF11	4-Oct-2018	0.060	0.000002	0.000002	0.000008	0.000014	0.08	0.099	0.00011	0.000092	99	101	0.000002	0.000002	0.0001	0.0001	0.00086	0.00062	0.0554
OF11	2-Oct-2019	0.075	0.000002	0.000001	0.000004	0.000014	0.066	0.073	0.00007	0.000088	94.8	96.6	0.000002	0.000004	0.0001	0.0002	0.00031	0.0006	0.0578
OF11	29-Oct-2020	0.11	0.000002	0.0000001	0.000002	0.00001	0.032	0.029	0.00002	0.000027	107	108	0.000006	0.000007	0.00006	0.0001	0.0011	0.00116	0.0086
OF11	27-Oct-2021	0.103	0.000002	0.0000423	0.000002	0.00002	0.044	0.043	0.000015	0.000027	103	103	0.000004	0.000025	0.00001	0.0001	0.00105	0.00127	0.0159
OF11	Average	0.087	0.000002	0.000011	0.000004	0.00006	0.056	0.061	0.000054	0.000059	101.0	102.2	0.000004	0.000010	0.00007	0.00013	0.00083	0.00091	0.034
OF12	28-Oct-2020	0.097	0.000002	0.0000001	0.000002	0.00001	0.095	0.09	0.000015	0.000014	85.4	86.6	0.000012	0.000012	0.00005	0.0001	0.00013	0.00014	0.0011
OF12	27-Oct-2021	0.085	0.000002	0.0000001	0.000002	0.00001	0.085	0.089	0.000001	0.000003	79.4	83.3	0.000009	0.0000095	0.00001	0.0001	0.00012	0.00013	0.0027
OF12	Average	0.0910	0.0000	0.0000	0.0000	0.0000	0.0900	0.0895	0.0000	0.0000	82.4000	84.9500	0.0000	0.0000	0.00003	0.0001	0.0001	0.0001	0.0019
OF13	2-Nov-2020	0.136	0.000002	0.0000001	0.000002	0.00001	0.018	0.014	0.000047	0.000063	104	108	0.000013	0.000012	0.00004	0.0001	0.00064	0.00064	0.0021
OF13	27-Oct-2021	0.134	0.000002	0.0000001	0.000002	0.00001	0.016	0.016	0.000008	0.000007	94.5	97.1	0.000017	0.000016	0.00001	0.0002	0.00009	0.00011	0.0138
OF13	Average	0.135000	0.000002	0.000000	0.000002	0.000010	0.017	0.015	0.000028	0.000035	99	103	0.000015	0.00001	0.00003	0.00015	0.00037	0.00038	0.0080
OF14	27-Oct-2021	0.00026	0.000002	0.0000143	0.000002	0.00001	0.074	0.075	0.0000005	0.000001	0.24	0.26	0.000001	0.000009	0.00001	0.0001	0.000008	0.00002	0.0005
OF14	Average	0.000260	0.000002	0.000014	0.000002	0.000010	0.074	0.075	0.000001	0.000001	0	0	0.000001	0.00001	0.00001	0.00010	0.00001	0.00002	0.0005
OF100	27-Oct-2021	0.085	0.000002	0.0000082	0.000002	0.00001	0.084	0.091	0.000002	0.000004	81.1	85.7	0.000008	0.000011	0.00001	0.0001	0.00013	0.00013	0.0034
OF100	Average	0.085000	0.000002	0.000008	0.000002	0.000010	0.084	0.091	0.000002	0.000004	81	86	0.000008	0.00001	0.00001	0.00010	0.00013	0.00013	0.0034
OF32	5-Nov-2021	0.035	0.000002	0.0000001	0.000002	0.00001	0.115	0.118	0.000005	0.000005	101	102	0.000104	0.000103	0.00001	0.00006	0.00003	0.00004	0.0098
OF32	Average	0.035000	0.000002	0.000000	0.000002	0.000010	0.115	0.118	0.000005	0.000005	101	102	0.000104	0.00010	0.00001	0.00006	0.00003	0.00004	0.0098
OFFB	27-Oct-2021	0.00006	0.000004	0.000002	0.000008	0.00001	0.002	0.004	0.0000005	0.000001	0.04	0.05	0.000002	0.000002	0.00001	0.00004	0.000002	0.000005	0.00002
OFFB	Average	0.000060	0.000004	0.000002	0.000008	0.000010	0.002	0.004	0.000001	0.000001	0	0	0.000002	0.00000	0.00001	0.00004	0.00000	0.00001	0.0000
Overall Average		0.078	0.000003	0.000003	0.000006	0.000011	0.078	0.081	0.000013	0.000016	91.90	93.77	0.000031	0.000032	0.00008	0.00020	0.00049	0.00052	0.0388

Table 2b: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF08 to OFFB)

Client Sample ID	Date Sampled	Copper (Cu)-Total	Iron (Fe)-Dissolved	Iron (Fe)-Total	Lead (Pb)-Dissolved	Lead (Pb)-Total	Lithium (Li)-Dissolved	Lithium (Li)-Total	Magnesium (Mg)-Dissolved	Magnesium (Mg)-Total	Manganese (Mn)-Dissolved	Manganese (Mn)-Total	Mercury (Hg)-Dissolved	Mercury (Hg)-Total	Molybdenum (Mo)-Dissolved	Molybdenum (Mo)-Total	Nickel (Ni)-Dissolved	Nickel (Ni)-Total	Phosphorus (P)-Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO	0.0050		0.30		0.0010								0.00020		0.040		0.025	
	ODWG				0.010								0.0010						
OF08	13-Oct-2017	0.0005	2.03	2.09	0.00009	0.0002	0.009	0.009	32.9	32.2	0.465	0.454	0.000002	0.000002	0.0009	0.00098000	0.0022	0.0022	
OF08	19-Oct-2018	0.0029	1.82	2.04	0.0001	0.0003	0.01	0.009	36.3	38.3	0.501	0.519	0.000001	0.000001	0.001	0.0011	0.0022	0.0022	
OF08	2-Oct-2019	0.0116	0.048	0.056	0.000225	0.0016	0.012	0.012	1.3	1.23	0.0132	0.0131	0.000005	0.000005	0.0014	0.0014	0.0014	0.0019	0.002
OF08	29-Oct-2020	0.0033	1.62	1.61	0.00009	0.0002	0.01	0.011	35.5	37.2	0.411	0.422	0.000005	0.000005	0.00098	0.0011	0.0019	0.002	0.005
OF08	26-Oct-2021	0.002	0.0005	1.78	0.00001	0.0001	0.011	0.01	35.4	38.3	0.435	0.404	0.000005	0.000005	0.000994	0.001	0.0023	0.0023	0.005
OF08	Average	0.0041	1.104	1.515	0.00010	0.0005	0.010	0.010	28.3	29.4	0.365	0.362	0.000004	0.000004	0.0011	0.0011	0.0020	0.0021	0.004
OF09	13-Oct-2017	0.0013	2.09	2.75	0.00001	0.00003	0.053	0.052	63.0	66.0	0.381	0.393	0.000002	0.000002	0.0050	0.0057	0.0003	0.0004	
OF09	26-Sep-2018	0.0042	2.4	2.57	0.00002	0.00001	0.047	0.053	68.4	68.9	0.449	0.417	0.000001	0.000001	0.0055	0.0052	0.0002	0.0003	
OF09	4-Oct-2019	0.0029	0.837	0.98	0.000005	0.000005	0.052	0.05	65.6	64.6	0.317	0.302	0.000005	0.000005	0.0054	0.0054	0.0006	0.0008	0.002
OF09	28-Oct-2020	0.0034	2.39	2.87	0.00001	0.00006	0.049	0.051	67.5	68.6	0.408	0.421	0.000005	0.000005	0.0053	0.0056	0.0002	0.0003	0.005
OF09	26-Oct-2021	0.0228	0.001	1.90	0.00001	0.00124	0.054	0.05	62.2	66.2	0.397	0.405	0.000005	0.000005	0.0052	0.0054	0.0002	0.0051	0.005
OF09	Average	0.0069	1.544	2.214	0.00001	0.0003	0.051	0.051	65.3	66.9	0.390	0.388	0.000004	0.000004	0.0053	0.0055	0.0003	0.0014	0.004
OF10	14-Oct-2017	0.0805	0.01	0.070	0.0004	0.0008	0.018	0.018	42.9	44.7	0.0027	0.0051	0.000006	0.000008	0.0027	0.0030	0.0067	0.0070	
OF10	2018																		
OF10	4-Oct-2019	0.25	0.008	0.038	0.00123	0.0016	0.015	0.015	42.5	41.8	0.0021	0.0024	0.000005	0.000005	0.0031	0.0031	0.0055	0.0056	0.002
OF10	28-Oct-2020	0.12	0.003	0.034	0.00122	0.0017	0.017	0.018	40.5	41.3	0.0046	0.0064	0.000005	0.000005	0.003	0.0031	0.0059	0.006	0.005
OF10	26-Oct-2021	0.0957	0.005	0.388	0.00002	0.0025	0.015	0.013	34.3	36.6	0.0725	0.104	0.000005	0.000005	0.0027	0.0026	0.0041	0.0041	0.03
OF10	Average	0.137	0.007	0.133	0.00072	0.00162	0.016	0.016	40.05	41.10	0.0205	0.0295	0.000005	0.000006	0.0029	0.0030	0.0056	0.0057	0.01
OF11	4-Oct-2018	0.0588	0.157	0.152	0.0008	0.0006	0.016	0.014	51.3	49.9	0.054	0.0374	0.000005	0.000001	0.0031	0.003	0.0061	0.0057	
OF11	2-Oct-2019	0.127	0.04	0.190	0.000625	0.0019	0.014	0.015	40.8	43.3	0.0182	0.0358	0.000005	0.000005	0.0018	0.0022	0.0057	0.0082	0.008
OF11	29-Oct-2020	0.0147	0.854	1.10	0.0001	0.0008	0.024	0.025	68.8	70.2	0.199	0.201	0.000005	0.000005	0.0047	0.0049	0.0029	0.0031	0.005
OF11	27-Oct-2021	0.0307	0.002	1.22	0.00001	0.0004	0.023	0.023	59.2	64.6	0.171	0.177	0.000005	0.000005	0.0053	0.0054	0.0059	0.0065	0.005
OF11	Average	0.0578	0.263	0.666	0.00038	0.0009	0.019	0.019	55.0	57.0	0.111	0.113	0.000005	0.000004	0.0037	0.0039	0.0052	0.0059	0.006
OF12	28-Oct-2020	0.0099	0.582	0.644	0.00001	0.0002	0.034	0.036	34.6	35.1	0.342	0.358	0.000005	0.000005	0.0042	0.0045	0.0021	0.0022	0.125
OF12	27-Oct-2021	0.0091	0.001	1.200	0.00001	0.0003	0.037	0.036	29.9	32.9	0.399	0.418	0.000005	0.000005	0.0041	0.004	0.0005	0.0005	0.005
OF12	Average	0.0095	0.2915	0.922	0.0000	0.0002	0.0355	0.0360	32.2500	34.0000	0.3705	0.3880	0.0000	0.0000	0.0042	0.0043	0.0013	0.0014	0.0650
OF13	2-Nov-2020	0.0039	0.587	1.48	0.00001	0.00004	0.026	0.028	64.1	67.1	0.449	0.468	0.000005	0.000005	0.0071	0.0075	0.0059	0.0062	0.005
OF13	27-Oct-2021	0.0214	0.0005	0.62	0.00001	0.00004	0.03	0.029	54.3	61.4	0.0129	0.0148	0.000005	0.000005	0.0058	0.0059	0.0013	0.0013	0.005
OF13	Average	0.013	0.29	1.05	0.00001	0.00004	0.028	0.03	59.2	64.3	0.23	0.24	0.000005	0.000005	0.0065	0.0067	0.0036	0.0038	0.0050
OF14	27-Oct-2021	0.0006	0.023	0.031	0.00001	0.00001	0.047	0.046	0.05	0.068	0.0016	0.0018	0.000005	0.000005	0.0023	0.0022	0.0001	0.0001	0.005
OF14	Average	0.001	0.02	0.03	0.00001	0.00001	0.047	0.05	0.1	0.1	0.00	0.00	0.000005	0.000005	0.0023	0.0022	0.0001	0.0001	0.0050
OF100	27-Oct-2021	0.0047	0.002	1.22	0.00001	0.00026	0.037	0.036	29.9	33.3	0.39	0.407	0.000005	0.000005	0.0041	0.0041	0.0005	0.0005	0.005
OF100	Average	0.005	0.00	1.22	0.00001	0.00026	0.037	0.04	29.9	33.3	0.39	0.41	0.000005	0.000005	0.0041	0.0041	0.0005	0.0005	0.0050
OF32	5-Nov-2021	0.0176	0.0005	0.01	0.0001	0.00051	0.03	0.027	52	50.8	0.0498	0.0594	0.000005	0.000005	0.0036	0.0037	0.0004	0.0002	0.005
OF32	Average	0.018	0.00	0.01	0.00010	0.00051	0.030	0.03	52.0	50.8	0.05	0.06	0.000005	0.000005	0.0036	0.0037	0.0004	0.0002	0.0050
OFFB	27-Oct-2021	0.00002	0.0005	0.002	0.00001	0.00001	0.0002	0.0004	0.0005	0.013	0.00002	0.0002	0.000005	0.000005	0.000008	0.000005	0.00002	0.00002	0.005
OFFB	Average	0.000	0.00	0.00	0.00001	0.00001	0.000	0.00	0.0	0.0	0.00	0.00	0.000005	0.000005	0.0000	0.0000	0.0000	0.0000	0.0050
Overall Average		0.0468	0.859	1.2341	0.00092	0.0015	0.030	0.031	46.36	47.31	0.250	0.253	0.000004	0.000004	0.0032	0.0033	0.0023	0.0025	0.0094

Table 2b: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF08 to OFFB)

Client Sample ID	Date Sampled	Phosphorus (P)-Total	Potassium (K)-Dissolved	Potassium (K)-Total	Rubidium (Rb)-Dissolved	Rubidium (Rb)-Total	Selenium (Se)-Dissolved	Selenium (Se)-Total	Silicon (Si)-Dissolved	Silicon (Si)-Total	Silver (Ag)-Dissolved	Silver (Ag)-Total	Sodium (Na)-Dissolved	Sodium (Na)-Total	Strontium (Sr)-Dissolved	Strontium (Sr)-Total	Sulfur (S)-Dissolved	Sulfur (S)-Total	Tellurium (Te)-Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO	0.03						0.10				0.00010							
	ODWG						0.050												
OF08	13-Oct-2017	0.0029	2.74	2.74			0.0002	0.0002			0.00001	0.00001	10.7	10.4	0.207	0.219			0.00003
OF08	19-Oct-2018	0.0005	2.81	2.89	0.00295	0.00323	0.000035	0.00007	9.98	10	0.0000005	0.000001	11	11.8	0.213	0.223	3.5	3.8	0.000015
OF08	2-Oct-2019	0.005	7.78	7.54	0.00247	0.00256	0.00008	0.000075	8.75	8.74	0.0000005	0.000001	214	207	0.0035	0.0033	3.3	3.5	0.000005
OF08	29-Oct-2020	0.01	3.12	3.34	0.00314	0.00327	0.00011	0.000085	9.39	10.2	0.000009	0.00001	12.6	12.9	0.231	0.235	3.6	3.6	0.00001
OF08	26-Oct-2021	0.015	3.14	3.27	0.00335	0.00304	0.00006	0.000055	9.42	9.72	0.0000005	0.000001	16	16.4	0.248	0.246	4.2	4.2	0.00001
OF08	Average	0.007	3.92	3.96	0.00298	0.00303	0.00010	0.00010	9.4	9.7	0.000004	0.000005	52.9	51.7	0.181	0.185	3.7	3.8	0.00001
OF09	13-Oct-2017	0.0168	5.39	5.50			0.0002	0.0002			0.00001	0.00001	15.1	15.6	0.512	0.574			0.00002
OF09	26-Sep-2018	0.014	5.49	5.63	0.00135	0.00153	0.000025	0.000035	12.3	12.8	0.0000005	0.000001	15.1	16.2	0.558	0.529	11.6	13	0.000025
OF09	4-Oct-2019	0.005	5.13	5.02	0.00148	0.00148	0.000055	0.00006	11.6	11.6	0.0000005	0.000001	15.1	15.4	0.504	0.514	11.3	10.7	0.00001
OF09	28-Oct-2020	0.030	5.67	5.75	0.00151	0.00147	0.000025	0.00004	12.1	13.2	0.000001	0.000024	15.2	15.9	0.542	0.547	11.8	11.4	0.00004
OF09	26-Oct-2021	0.025	5.63	5.68	0.00149	0.00142	0.000035	0.00004	12.7	13.2	0.0000005	0.000003	15.9	15.5	0.522	0.552	12.8	14.2	0.00001
OF09	Average	0.018	5.46	5.52	0.00146	0.00148	0.00007	0.00008	12.2	12.7	0.000003	0.000051	15.3	15.7	0.528	0.543	11.9	12.3	0.00002
OF10	14-Oct-2017	0.0076	3.39	3.49			0.0016	0.0016			0.00001	0.00001	49.1	50.6	0.145	0.162			0.00001
OF10	2018																		
OF10	4-Oct-2019	0.005	3.23	3.07	0.00063	0.00053	0.00125	0.00119	10.9	10.6	0.0000005	0.000005	38.1	37.8	0.139	0.14	3	2.9	0.00001
OF10	28-Oct-2020	0.015	3.85	3.91	0.00042	0.00039	0.002	0.00166	11.6	12.7	0.000002	0.000008	51.3	54.3	0.138	0.143	7	7.2	0.00001
OF10	26-Oct-2021	0.065	3.79	3.79	0.00072	0.00068	0.00131	0.00125	11	11.2	0.0000005	0.00001	34.3	34	0.159	0.156	3.6	3.6	0.00001
OF10	Average	0.0232	3.57	3.57	0.00059	0.00053	0.00154	0.00143	11.2	11.5	0.00000	0.00001	43	44	0.1453	0.1503	4.5	4.6	0.00001
OF11	4-Oct-2018	0.0065	0.79	0.67	0.0008	0.00066	0.0004	0.0005	9.01	8.98	0.0000005	0.000002	4.85	4.5	0.178	0.173	2.2	2.1	0.000005
OF11	2-Oct-2019	0.005	0.96	1.01	0.00063	0.00077	0.00034	0.00044	8.76	9	0.000001	0.000002	4.22	4.44	0.169	0.176	0.8	0.8	0.000005
OF11	29-Oct-2020	0.015	1.59	1.64	0.00188	0.00193	0.0003	0.0003	11.6	12.7	0.000002	0.000005	6.68	6.98	0.258	0.264	2.2	2.8	0.00002
OF11	27-Oct-2021	0.01	1.28	1.3	0.00154	0.00143	0.00024	0.000395	11.6	11.8	0.0000005	0.000003	6.37	6.45	0.244	0.238	2.8	3	0.00001
OF11	Average	0.009	1.16	1.16	0.00121	0.00120	0.00032	0.00041	10.2	10.6	0.000001	0.000010	5.5	5.6	0.212	0.213	2.0	2.2	0.00001
OF12	28-Oct-2020	0.080	5.19	5.21	0.0015	0.00158	0.000015	0.000025	11.1	12	0.00002	0.00001	18.4	19.8	0.606	0.642	7.6	7.4	0.00001
OF12	27-Oct-2021	0.025	4.48	4.49	0.00141	0.00138	0.000015	0.00006	11.8	12	0.0000005	0.000001	20.1	20.1	0.578	0.58	9.8	10.2	0.00001
OF12	Average	0.0525	4.8350	4.8500	0.0015	0.0015	0.0000	0.0000	11.4500	12.0000	0.0000	0.0000	19.2500	19.9500	0.5920	0.6110	8.7000	8.8000	0.0000
OF13	2-Nov-2020	0.015	3.52	3.76	0.00372	0.00389	0.00022	0.000175	11.3	12	0.000001	0.000001	11	11.4	0.184	0.189	6	6	0.00001
OF13	27-Oct-2021	0.01	4.22	4.17	0.00454	0.00431	0.00361	0.00313	11.2	11.7	0.0000005	0.000001	9.4	9.63	0.165	0.169	6.4	7	0.00001
OF13	Average	0.013	3.87	3.97	0.00413	0.00410	0.00192	0.00165	11.25	11.85	0.000001	0.000001	10.2	10.5	0.175	0.179	6.2	6.50	0.00001
OF14	27-Oct-2021	0.015	0.33	0.35	0.00015	0.00018	0.00002	0.00006	11.3	11.5	0.0000005	0.000001	206	215	0.001	0.00099	21.6	22.6	0.00001
OF14	Average	0.015	0.33	0.35	0.00015	0.00018	0.00002	0.00006	11.30	11.50	0.000001	0.000001	206.0	215.0	0.001	0.001	21.6	22.60	0.00001
OF100	27-Oct-2021	0.025	4.64	4.46	0.00143	0.00137	0.000015	0.000035	11.9	12.3	0.0000005	0.000001	20	20.7	0.579	0.59	10	10.6	0.00001
OF100	Average	0.025	4.64	4.46	0.00143	0.00137	0.00002	0.00004	11.90	12.30	0.000001	0.000001	20.0	20.7	0.579	0.590	10.0	10.60	0.00001
OF32	5-Nov-2021	0.005	4.03	3.85	0.00631	0.00628	0.00034	0.00032	12.1	12.4	0.000001	0.000001	41.9	42.1	0.667	0.683	3.8	4.4	0.00001
OF32	Average	0.005	4.03	3.85	0.00631	0.00628	0.00034	0.00032	12.10	12.40	0.000001	0.000001	41.9	42.1	0.667	0.683	3.8	4.40	0.00001
OFFB	27-Oct-2021	0.01	0.01	0.01	0.000002	0.000006	0.000005	0.000025	0.05	0.06	0.000002	0.000001	0.05	0.07	0.0002	0.0003	0.2	0.2	0.00001
OFFB	Average	0.010	0.01	0.01	0.00000	0.00001	0.00001	0.00003	0.05	0.06	0.000002	0.000001	0.1	0.1	0.000	0.000	0.2	0.20	0.00001
Overall Average		0.0211	4.06	4.08	0.00203	0.00203	0.00058	0.00052	10.51	10.82	0.000007	0.000022	50.1	50.4	0.442	0.452	10.6	10.9	0.00002

Table 2b: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF08 to OFFB)

Client Sample ID	Date Sampled	Tellurium (Te)-Total	Thallium (Tl)-Dissolved	Thallium (Tl)-Total	Thorium (Th)-Dissolved	Thorium (Th)-Total	Tin (Sn)-Dissolved	Tin (Sn)-Total	Titanium (Ti)-Dissolved	Titanium (Ti)-Total	Tungsten (W)-Dissolved	Tungsten (W)-Total	Uranium (U)-Dissolved	Uranium (U)-Total	Vanadium (V)-Dissolved	Vanadium (V)-Total	Zinc (Zn)-Dissolved	Zinc (Zn)-Total	Zirconium (Zr)-Dissolved
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO			0.00030										0.0050		0.0060		0.020	
	ODWG												0.020						
OF08	13-Oct-2017	0.00003	0.000002	0.000002			0.00002	0.00002	0.00005	0.00005	0.00002000	0.00003	0.0009	0.00099	0.0001	0.00005	0.0350	0.0355	0.00002
OF08	19-Oct-2018	0.00004	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.00001	0.00002	0.00006	0.000026	0.000034	0.001	0.001	0.0002	0.0002	0.06	0.0386	0.000014
OF08	2-Oct-2019	0.00001	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.0001	0.00002	0.00002	0.000028	0.0000	0.0008	0.0009	0.00008	0.0001	0.0114	0.0134	0.00001
OF08	29-Oct-2020	0.00002	0.000004	0.000005	0.00001	0.00001	0.000005	0.00005	0.00002	0.00006	0.00002	0.0000	0.0011	0.0012	0.0001	0.0001	0.0224	0.0275	0.00001
OF08	26-Oct-2021	0.00002	0.000002	0.000005	0.00001	0.00001	0.000005	0.00003	0.00002	0.00002	0.000012	0.0000	0.0010	0.0010	0.00002	0.0001	0.0082	0.0055	0.00001
OF08	Average	0.00002	0.000002	0.000002	0.00001	0.00001	0.00001	0.00004	0.00003	0.0000	0.00002	0.00002	0.001	0.0010	0.00010	0.00010	0.0274	0.0241	0.00001
OF09	13-Oct-2017	0.0001	0.000002	0.000002			0.00002	0.00002	0.00005	0.0009	0.00006000	0.00009	0.0021	0.0023	0.00005	0.00005	0.0055	0.0060	0.0002
OF09	26-Sep-2018	0.00008	0.0000001	0.0000012	0.000002	0.000004	0.000005	0.00001	0.00002	0.0002	0.000076	0.00007	0.0015	0.0014	0.00008	0.0003	0.0076	0.0074	0.0002
OF09	4-Oct-2019	0.00004	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.0002	0.00002	0.0001	0.000066	0.0001	0.0043	0.0047	0.0001	0.0002	0.0138	0.0138	0.00020
OF09	28-Oct-2020	0.00004	0.000002	0.000005	0.00001	0.00001	0.000005	0.00009	0.00002	0.0003	0.000068	0.0001	0.0018	0.0018	0.00002	0.0001	0.0106	0.0105	0.00020
OF09	26-Oct-2021	0.00004	0.000002	0.000005	0.00001	0.00001	0.000005	0.0002	0.00004	0.0002	0.000068	0.0001	0.0018	0.0018	0.00002	0.0001	0.0026	0.0220	0.00010
OF09	Average	0.00006	0.000001	0.000003	0.00001	0.00001	0.00001	0.00010	0.00003	0.0003	0.00007	0.00008	0.002	0.0024	0.00005	0.00015	0.0080	0.0119	0.00018
OF10	14-Oct-2017	0.00003	0.000002	0.000004			0.00002	0.00004	0.00005	0.0005	0.00001	0.00001	0.0019	0.0021	0.0007	0.0008	0.0335	0.0335	0.0001
OF10	2018																		
OF10	4-Oct-2019	0.00001	0.0000001	0.0000002	0.000002	0.000001	0.000005	0.00007	0.00002	0.0003	0.000006	0.0000	0.0016	0.0017	0.0007	0.0008	0.0614	0.0616	0.00010
OF10	28-Oct-2020	0.00004	0.000006	0.000005	0.00001	0.00001	0.00001	0.0001	0.00002	0.0003	0.000002	0.0000	0.0019	0.0020	0.0005	0.0006	0.0440	0.052	0.00009
OF10	26-Oct-2021	0.00002	0.000004	0.000005	0.00001	0.00001	0.000005	0.0003	0.00002	0.0004	0.000008	0.0000	0.0016	0.0015	0.0005	0.0008	0.0294	0.032	0.00009
OF10	Average	0.00003	0.000003	0.000004	0.00001	0.00001	0.0000	0.0001	0.0000	0.0004	0.00001	0.00001	0.0018	0.0018	0.001	0.0008	0.0421	0.0448	0.0001
OF11	4-Oct-2018	0.00001	0.000005	0.0000038	0.000002	0.000005	0.00001	0.00002	0.00006	0.0003	0.000002	0.000002	0.0025	0.0025	0.0004	0.0005	0.414	0.22	0.0002
OF11	2-Oct-2019	0.00001	0.0000001	0.0000034	0.000002	0.000001	0.000005	0.00004	0.00006	0.0004	0.000002	0.0000	0.0019	0.0021	0.0005	0.0005	0.2440	0.336	0.00030
OF11	29-Oct-2020	0.00004	0.000004	0.000005	0.00001	0.00001	0.00001	0.0002	0.00002	0.0002	0.000002	0.0000	0.0027	0.0028	0.0002	0.0003	0.0682	0.0685	0.00020
OF11	27-Oct-2021	0.00004	0.000002	0.000015	0.00001	0.00005	0.000005	0.0001	0.00004	0.0002	0.000004	0.00007	0.0026	0.0025	0.00008	0.0003	0.1010	0.138	0.00020
OF11	Average	0.00003	0.000003	0.000041	0.00001	0.00002	0.00001	0.00009	0.00005	0.0003	0.00000	0.00002	0.002	0.0025	0.00030	0.00040	0.2068	0.1906	0.00023
OF12	28-Oct-2020	0.00006	0.000002	0.000005	0.00001	0.00001	0.00001	0.00006	0.00002	0.0001	0.00007	0.0001	0.0125	0.0131	0.0002	0.0002	0.0236	0.027	0.00009
OF12	27-Oct-2021	0.00004	0.000002	0.000005	0.00001	0.00001	0.000005	0.00001	0.00004	0.00006	0.000058	0.0001	0.0139	0.0135	0.00008	0.0002	0.0042	0.013	0.00004
OF12	Average	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0132	0.0133	0.0001	0.0002	0.0139	0.0200	0.0001
OF13	2-Nov-2020	0.00002	0.00001	0.00002	0.00001	0.00001	0.000005	0.00002	0.00002	0.00007	0.00001	0.0000	0.0031	0.0033	0.00008	0.0003	0.0604	0.064	0.00007
OF13	27-Oct-2021	0.00002	0.000004	0.000005	0.00001	0.00001	0.000005	0.00001	0.00002	0.0001	0.000002	0.0000	0.0030	0.0030	0.0002	0.0004	0.0302	0.036	0.00005
OF13	Average	0.0000200	0.0000070	0.0000125	0.000010	0.000010	0.000005	0.00002	0.00002	0.00009	0.00001	0.0000	0.0031	0.00315	0.00014	0.0004	0.0453	0.0500	0.00006
OF14	27-Oct-2021	0.00002	0.000002	0.000005	0.00001	0.00001	0.000005	0.00002	0.00002	0.00006	0.000046	0.00008	0.0015	0.0015	0.00008	0.0003	0.0084	0.0085	0.00006
OF14	Average	0.0000200	0.0000020	0.0000050	0.000010	0.000010	0.000005	0.00002	0.00002	0.00006	0.00005	0.0001	0.0015	0.00150	0.00008	0.0003	0.0084	0.0085	0.00006
OF100	27-Oct-2021	0.00006	0.000002	0.000005	0.00001	0.00001	0.000005	0.00004	0.00002	0.00008	0.000064	0.00007	0.0138	0.0136	0.0001	0.0003	0.0054	0.0115	0.000042
OF100	Average	0.0000600	0.0000020	0.0000050	0.000010	0.000010	0.000005	0.00004	0.00002	0.00008	0.00006	0.0001	0.0138	0.01360	0.00010	0.0003	0.0054	0.0115	0.00004
OF32	5-Nov-2021	0.00006	0.00002	0.00002	0.00004	0.00002	0.000005	0.00003	0.00002	0.0002	0.000128	0.00009	0.0088	0.0084	0.0009	0.0009	0.004	0.007	0.0005
OF32	Average	0.0000600	0.0000200	0.0000200	0.000040	0.000020	0.000005	0.00003	0.00002	0.00020	0.00013	0.0001	0.0088	0.00840	0.00090	0.0009	0.0040	0.0070	0.00050
OFFB	27-Oct-2021	0.00002	0.00001	0.000005	0.00001	0.00001	0.000025	0.00005	0.00002	0.00001	0.000002	0.00001	0.000001	0.000006	0.00002	0.00005	0.0002	0.0005	0.000006
OFFB	Average	0.0000200	0.0000100	0.0000050	0.000010	0.000010	0.000025	0.00005	0.00002	0.00001	0.00000	0.0000	0.0000	0.00001	0.00002	0.0001	0.0002	0.0005	0.00001
Overall Average		0.00004	0.0000023	0.0000044	0.000008	0.000007	0.00014	0.00030	0.00005	0.00024	0.00004	0.00004	0.0028	0.0029	0.00021	0.00028	0.048	0.029	0.00017

Table 2b: Off Site Groundwater Water Chemistry Sample Results Summary by Well (OF08 to OFFB)

Client Sample ID	Date Sampled	Zirconium (Zr)-Total
Unit		mg/L
	PWQO	
	ODWG	
OF08	13-Oct-2017	0.00002
OF08	19-Oct-2018	0.000016
OF08	2-Oct-2019	0.00003
OF08	29-Oct-2020	0.00001
OF08	26-Oct-2021	0.00002
OF08	Average	0.00002
OF09	13-Oct-2017	0.0002
OF09	26-Sep-2018	0.0002
OF09	4-Oct-2019	0.00020
OF09	28-Oct-2020	0.00020
OF09	26-Oct-2021	0.00020
OF09	Average	0.00020
OF10	14-Oct-2017	0.0001
OF10	2018	
OF10	4-Oct-2019	0.00010
OF10	28-Oct-2020	0.00010
OF10	26-Oct-2021	0.00010
OF10	Average	0.0001
OF11	4-Oct-2018	0.0002
OF11	2-Oct-2019	0.00030
OF11	29-Oct-2020	0.00020
OF11	27-Oct-2021	0.00050
OF11	Average	0.00030
OF12	28-Oct-2020	0.00008
OF12	27-Oct-2021	0.00009
OF12	Average	0.0001
OF13	2-Nov-2020	0.00010
OF13	27-Oct-2021	0.00010
OF13	Average	0.00010
OF14	27-Oct-2021	0.00009
OF14	Average	0.00009
OF100	27-Oct-2021	0.0001
OF100	Average	0.00010
OF32	5-Nov-2021	0.0005
OF32	Average	0.00050
OFFB	27-Oct-2021	0.000004
OFFB	Average	0.00000
Overall Average		0.00018