

ANNUAL REPORT

FOR THE HAMLET OF BAKER LAKE

YEAR BEING REPORTED: 2007

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence (NWB3BAK9904) issued to the Hamlet of Baker Lake.

- i)- iii) tabular summaries of all data generated under the "Monitoring Program"; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Water quantity results for monitoring station BAK-1 are not reported in the table below. The Hamlet of Baker Lake was unable to provide water quantity values as they have switched management programs (from *OnTap* to *Fluid Manager*) and are unable to access values before 2008 (R. Mautaritnaak, *pers. comm.*).

Samples for detailed chemical, physical and biological analyses were collected by Nunami Stantec Ltd. at the monitoring stations BAK-2, BAK-3 and BAK-4 in 2007 and results are attached.

Month Reported	Quantity of Water Obtained from all sources	Quantity of Sewage Waste Discharged
January	-	-
February	-	-
March	-	-
April	-	-
May	-	-
June	-	-
July	-	-
August	-	-
September	-	-
October	-	-
November	-	-
December	-	-
ANNUAL TOTAL	-	-

Please indicate volumes in cubic metres - 1 cubic meter equals 1000 litres.

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- iv. a summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;

NONE

- v. a list of unauthorized discharges and summary of follow-up action taken;

The following spills were reported to the GNWT/GN Spill Line and Database and were the responsibility of the Hamlet of Baker Lake:

2007488 – on October 17, 2001, approximately 205 L or less of fuel oil was spilled outside Unit 244 due to a leading cracked ¾" valve. The spill, including soil and snow, was dug up by a loader and the valve replaced. New gravel was put down and the file was closed.

- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

NONE

- vii. a summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;

NONE

- viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and

NONE

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- ix. updates or revisions to the approved Operation and Maintenance Plans.

NONE

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Nunami Jacques Whitford completed an Environmental Study and Evaluation of the Water and Sewage Systems in Baker Lake. The Study involved detailed sampling of the the wastewater effluent within the sewage treatment wetland as well as water quality sampling in Baker Lake within 2 km east and west of the drinking water intake.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

Table 1 **Water Quality Results from the Sewage Treatment Wetland (Nunami Jacques Whitford Ltd.)**
Baker Lake, NU
June 2007

Parameter	Unit	D.L. ^a	NWB ^b	CCME PAL ^c	Garbage Creek outlet at Baker Lake (STN-1)	Garbage Creek mouth at Airplane Lake (STN-2 / BAK-3)	Stream prior to Airplane Lake (STN-7 / BAK-2)		South shore of Finger Lake (STN-4)	Stream outlet at Finger Lake (STN-5 / BAK-5)	South shore of Lagoon Lake (STN-6)
							Sample	Replicate			
Physicals											
Conductivity	µmhos/cm	0.4	-	-	46.0	45.7	43.4	43.6	74.0	107.0	643.0
Hardness (as CaCO3)	mg/L	0.2	-	-	11.7	11.3	12.4	11.8	14.8	12.0	32.3
pH	-	0.01	6 - 9	-	7.24	6.93	6.90	6.93	6.83	6.89	7.28
Total Suspended Solids	mg/L	5	100	-	<5	<5	<5	<5	5	8	77
Major Ions											
Sulphate (SO4)	mg/L	9	-	-	<9	<9	<9	<9	9	10	45
Nutrients & Organics											
Ammonia (NH3)	mg/L	0.003	-	0.0152 ^d	0.78	0.911	0.753	0.702	2.14	5.37	45
Nitrate+Nitrite-N	mg/L	0.005	-	-	0.147	0.097	0.084	0.084	0.517	0.038	0.044
Total Kjeldahl Nitrogen	mg/L	0.2	-	-	1.1	1.3	1.1	1.1	2.9	6.6	65.7
Total Phosphorus	mg/L	0.001	-	-	0.101	0.131	0.132	0.128	0.262	0.813	7.01
Phenols (4AAP)	mg/L	0.001	-	4.0	0.006	0.007	0.007	0.006	0.011	0.010	0.147
Total Oil and Grease	mg/L	1	NVS ^a	-	<1	-	<1	<1	<1	2	48
Biological											
Biochemical Oxygen Demand	mg/L	1	80	-	<6	<6	<6	<6	<6	11	160
Chemical Oxygen Demand	mg/L	8	-	-	20	22	22	20	30	51	470
Faecal Coliforms	CFU/100 mL	10	10,000	-	110	40	20	10	550	>2000	>2000
Total Metals											
Aluminum (Al)	mg/L	0.005	-	0.1 ^f	0.128	0.121	0.125	0.123	0.151	0.179	3.000
Cadmium (Cd)	mg/L	0.00002	-	0.0067 ^g	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Iron (Fe)	mg/L	0.02	-	0.30	0.11	0.12	0.12	0.17	0.17	0.16	1.25
Mercury (Hg)	mg/L	0.0001	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic (As)	mg/L	0.0005	-	0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Boron (B)	mg/L	0.03	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.14
Barium (Ba)	mg/L	0.0003	-	-	0.0202	0.015	0.0114	0.0117	0.0151	0.0107	0.0289
Beryllium (Be)	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bismuth (Bi)	mg/L	0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.002
Calcium (Ca)	mg/L	0.1	-	-	3.4	3.4	3.8	3.6	4.4	3.6	8.3
Cobalt (Co)	mg/L	0.0002	-	-	<0.0002	<0.0002	0.0002	<0.0002	0.0002	0.0002	0.002
Chromium (Cr)	mg/L	0.001	-	0.0089	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cesium (Cs)	mg/L	0.0001	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002
Copper (Cu)	mg/L	0.001	-	0.002 ^h	0.002	0.002	0.003	0.002	0.004	0.01	0.124
Potassium (K)	mg/L	0.1	-	-	1	1	0.9	0.9	1.6	2	13.9
Magnesium (Mg)	mg/L	0.01	-	-	0.76	0.69	0.72	0.69	0.91	0.75	2.82
Manganese (Mn)	mg/L	0.0003	-	-	0.0207	0.0297	0.0422	0.0464	0.0475	0.0305	0.0694
Molybdenum (Mo)	mg/L	0.0002	-	0.073	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0018
Sodium (Na)	mg/L	0.03	-	-	2.27	2.18	1.95	1.9	3.95	5.04	46.4
Nickel (Ni)	mg/L	0.002	-	0.025 ⁱ	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.006
Phosphorus (P)	mg/L	0.05	-	-	0.15	0.12	0.15	0.11	0.3	0.68	7.88
Lead (Pb)	mg/L	0.0005	-	0.001 ^j	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0036
Rubidium (Rb)	mg/L	0.0002	-	-	0.001	0.001	0.001	0.001	0.0017	0.0024	0.0184
Antimony (Sb)	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Selenium (Se)	mg/L	0.001	-	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tin (Sn)	mg/L	0.0006	-	-	<0.0006	<0.0006	<0.0006	<0.0006	0.0013	0.0007	0.0188
Strontium (Sr)	mg/L	0.0001	-	-	0.0126	0.0123	0.0134	0.0136	0.0173	0.0129	0.0204
Tellurium (Te)	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanium (Ti)	mg/L	0.0009	-	-	0.002	0.0019	0.0024	0.0024	0.005	0.0053	0.0757
Thallium (Tl)	mg/L	0.0001	-	0.0008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Uranium (U)	mg/L	0.0001	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Vanadium (V)	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Tungsten (W)	mg/L	0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003
Zinc (Zn)	mg/L	0.01	-	0.03	<0.0004	<0.0004	<0.0004	0.0005	<0.0004	0.0007	0.01

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June 2007

Parameter	Unit	D.L. ^a	NWB ^b	CCME PAL ^c	Garbage Creek outlet at Baker Lake (STN-1)	Garbage Creek mouth at Airplane Lake (STN-2 / BAK-3)	Stream prior to Airplane Lake (STN-7 / BAK-2)		South shore of Finger Lake (STN-4)	Stream outlet at Finger Lake (STN-5 / BAK-5)	South shore of Lagoon Lake (STN-6)
							Sample	Replicate			
Zirconium (Zr)	mg/L	0.0004	-	-	<0.0001	<0.0001	<0.0001	0.0009	<0.0001	<0.0001	0.0013
Silver (Ag)	mg/L	0.0001	-	0.0001	<0.01	0.02	0.03	<0.01	0.01	0.02	0.47

NOTES:

- a. D.L. = laboratory detection limit
- b. Nunavut Water Board License 3BM-BAK1015 Water Quality Criteria (no criteria listed in NWB3BAK9904)
- c. CCME PAL - Canadian Council of Ministers of the Environment Guidelines for Protection of Aquatic Life (Freshwater)
- d. CCME PAL Ammonia Guideline provided as a reference. Actual Guideline is temperature and pH dependent; see Ammonia factsheet for more information
- e. NVS = No Visible Sheen (qualitative)
- f. CCME PAL Total Aluminum guideline is 100 µg/L when pH > 6.5
- g. CCME PAL Total Cadmium guideline = $10^{[0.86[\log(\text{hardness})] - 3.2]}$
 Average hardness = 15.7
 Cadmium Guideline = 0.0067
- h. CCME PAL Total Copper guideline:
 0.002 mg/L when [CaCO₃] is 0 - 120 mg/L
- i. CCME PAL Total Nickel guideline:
 0.025 mg/L when [CaCO₃] is 0 - 60 mg/L
- j. CCME PAL Total Lead guideline:
 0.001 mg/L when [CaCO₃] is 0 - 60 mg/L
- k. **Bolded** result implies a guideline exceedance

Table 2
Water Quality Results from Baker Lake (Nunami Jacques Whitford Ltd.)
Baker Lake, NU
June 2007

Parameter	Unit	D.L. ^a	CCME PAL ^b	GCDWQ ^c	BL-12 (550 m E of intake, onshore)	BL-13 (670 m E of intake, onshore)	BL-14 (500 m W of intake, onshore)	BL-15 (water intake, onshore)	BL-16 (1000 m E of intake, onshore)	Stream 1 (250 m E of intake, onshore)	Stream 2 (380 m W of intake, onshore)	Stream 3 (910 m W of intake, onshore)	Stream 4 (1290 m W of intake, onshore)	Stream 5 (1320 m W of intake, onshore)
Physicals														
Conductivity	µmhos/cm	0.4	-	-	47	43.3	31.4	32.9	67.2	49.8	108	75.6	30.5	30.9
Hardness (as CaCO3)	mg/L	0.2	-	-	17.6	17.6	11.2	12.9	27.9	22.1	45.4	31.6	11.9	12.9
pH	-	0.01	-	6.5 - 8.5 ^d	7.22	7.12	7.12	7.17	7.57	7.42	7.76	7.47	7.03	7.14
Total Suspended Solids	mg/L	5	-	-	-	-	<5	<5	<5	-	-	-	-	-
Total Dissolved Solids	mg/L	5	-	≤500 ^d	19	17	12	28	36	23	63	50	22	23
Turbidity	mg/L	0.05	-	-	2.1	1.5	1.4	2.2	3.7	3.8	24	10	0.3	1.1
Major Ions														
Total Alkalinity (as CaCO3)	mg/L	1	-	-	14	13	10	11	34	20	45	37	10	13
Bicarbonate (HCO3)	mg/L	2	-	-	17	16	13	14	41	25	55	45	13	16
Carbonate (CO3)	mg/L	0.6	-	-	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Hydroxide (OH)	mg/L	0.4	-	-	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Chloride (Cl)	mg/L	9	-	-	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
Fluoride (F)	mg/L	0.1	-	1.5 ^d	0.1	0.1	<0.1	0.1	<0.1	<0.1	0.1	<0.1	0.1	<0.1
Sulphate (SO4)	mg/L	9	-	≤500 ^d	<9	<9	<9	<9	<9	<9	12	12	10	10
Nutritents & Organics														
Ammonia (NH3)	mg/L	0.003	0.0152 ^o	-	0.213	0.084				0.007	0.146	0.056	0.006	0.005
Nitrate+Nitrite-N	mg/L	0.005	-	-	0.458	0.192	0.083	0.073	0.073	0.017	0.529	0.288	0.02	0.013
Biologicals														
<i>Escherichia coli</i> (<i>E. coli</i>)	CFU/100 mL	1	-	0	<1	<1	<1	2	<1	<1	10	12	<1	<1
Total Coliforms	CFU/100 mL	1	-	0	1	<1	<1	2	6	3	32	73	<1	<1
Total Metals														
Aluminum (Al)-Total	mg/L	0.005	0.1 ^f	0.1 ^d	0.225	0.108	0.108	0.124	0.167	0.394	1.75	0.665	0.077	0.117
Cadmium (Cd)-Total	mg/L	0.00002	0.0074 ^g	0.005 ^h	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	0.00003	<0.00002	<0.00002
Iron (Fe)-Total	mg/L	0.02	0.30	≤0.30 ^d	0.12	0.07	0.07	0.07	0.08	0.15	0.73	0.38	0.04	0.10
Mercury (Hg)-Total	mg/L	0.0001	-	0.001 ^h	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Arsenic (As)-Total	mg/L	0.0005	0.005	0.01 ⁱⁱ	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.0006	<0.0005	<0.0005
Boron (B)-Total	mg/L	0.03	-	5.0 ⁱ	0.04	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Barium (Ba)-Total	mg/L	0.0003	-	1.0 ⁱⁱ	0.0343	0.0283	0.0194	0.0237	0.0428	0.0423	0.103	0.0742	0.0308	0.0373
Beryllium (Be)-Total	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bismuth (Bi)-Total	mg/L	0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Calcium (Ca)-Total	mg/L	0.1	-	-	5	4.9	2.8	3.5	8.8	7	16	11.1	4	4.5
Cobalt (Co)-Total	mg/L	0.0002	-	-	0.0003	0.0002	<0.0002	<0.0002	<0.0002	0.0002	0.0005	0.0003	<0.0002	<0.0002
Chromium (Cr)-Total	mg/L	0.001	0.0089	0.05 ⁱⁱ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Cesium (Cs)-Total	mg/L	0.0001	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0004	0.0001	<0.0001	<0.0001
Copper (Cu)-Total	mg/L	0.001	0.002 ⁱ	≤1.0 ^u	0.001	0.001	<0.001	<0.001	<0.001	0.002	0.004	0.003	0.002	0.001
Potassium (K)-Total	mg/L	0.1		-	0.8	0.7	0.5	0.8	0.9	0.9	2.8	1.9	0.6	0.6
Magnesium (Mg)-Total	mg/L	0.01		-	1.26	1.29	1.07	1.14	1.53	1.12	2.16	1.62	0.63	0.75
Manganese (Mn)-Total	mg/L	0.0003		≤0.05 ^u	0.0168	0.0111	0.0058	0.006	0.0051	0.0035	0.0277	0.0134	0.0005	0.004
Molybdenum (Mo)-Total	mg/L	0.0002	0.073	-	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0002	0.0005	0.0003	<0.0002	<0.0002
Sodium (Na)-Total	mg/L	0.03		≤200 ^u	1.23	1.29	0.97	0.98	1.51	1.34	1.97	1.54	0.78	0.75
Nickel (Ni)-Total	mg/L	0.002	0.025 ^k	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phosphorus (P)-Total	mg/L	0.05		-	<0.05	0.08	<0.05	<0.05	<0.05	0.08	0.16	0.25	0.07	<0.05
Lead (Pb)-Total	mg/L	0.0005	0.001 ⁱ	0.01 ⁱⁱ	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0005
Rubidium (Rb)-Total	mg/L	0.0002	-	-	0.0013	0.0011	0.0009	0.0009	0.0009	0.001	0.0045	0.0018	0.0006	0.0007
Antimony (Sb)-Total	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium (Se)-Total	mg/L	0.001	0.001	0.01 ^u	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tin (Sn)-Total	mg/L	0.0006	-	-	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
Strontium (Sr)-Total	mg/L	0.0001	-	-	0.0225	0.0233	0.0167	0.0179	0.0299	0.0227	0.049	0.0347	0.0142	0.0159

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Tellurium (Te)-Total	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanium (Ti)-Total	mg/L	0.0009	-	-	0.0024	0.0011	0.0027	0.0014	0.0024	0.0029	0.0321	0.0095	<0.0009	0.003
Thallium (Tl)-Total	mg/L	0.0001	0.0008	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Uranium (U)-Total	mg/L	0.0001	-	0.02 ^j	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0001	<0.0001	<0.0001
Vanadium (V)-Total	mg/L	0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Tungsten (W)-Total	mg/L	0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Zirconium (Zr)-Total	mg/L	0.0004	-	-	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.0015	0.0007	<0.0004	<0.0004
Silver (Ag)-Total	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
Zinc (Zn)-Total	mg/L	0.01	0.03	≤5.0 ^u	<0.01	0.04	<0.01	<0.01	0.01	0.01	0.04	0.03	<0.01	<0.01
Hydrocarbons														
Benzene	µg/L	0.5	0.37	0.005g	<0.50	<0.50	-	-	-	-	-	-	-	-
Ethyl Benzene	µg/L	0.5	0.002	≤0.0024 ^d	<0.50	<0.50	-	-	-	-	-	-	-	-
m+p-Xylenes	µg/L	1	0.09	-	<1.0	<1.0	-	-	-	-	-	-	-	-
o-Xylene	µg/L	0.5	-	-	<0.50	<0.50	-	-	-	-	-	-	-	-
Toluene	µg/L	0.5	-	≤0.024 ^d	<0.50	<0.50	-	-	-	-	-	-	-	-
Xylene, (total)	µg/L	1.5	-	≤0.3 ^d	<1.5	<1.5	-	-	-	-	-	-	-	-
F1 (C6-C10)	µg/L	100	-	-	<100	<100	-	-	-	-	-	-	-	-
F1-BTEX	µg/L	100	-	-	<100	<100	-	-	-	-	-	-	-	-
F2 (C10-C16)	µg/L	100	-	-	<100	<100	-	-	-	-	-	-	-	-
F3 (C16-C34)	µg/L	250	-	-	<250	<250	-	-	-	-	-	-	-	-
F4 (C34-C50)	µg/L	250	-	-	<250	<250	-	-	-	-	-	-	-	-
Total Hydrocarbons (C6-C50)	µg/L	250	-	-	<250	<250	-	-	-	-	-	-	-	-

- NOTES:
- a. D.L. = laboratory detection limit
 - b. CCME PAL - Canadian Council of Ministers of the Environment Guidelines for Protection of Aquatic Life (Freshwater)
 - c. GCDWQ = Health Canada Federal-Provincial-Territorial Committee on Drinking Water Guidelines for Canadian Drinking Water Quality (December 2010)
 - d. GCDWQ Aesthetic Objective
 - e. CCME PAL Ammonia Guideline provided as a reference. Actual Guideline is temperature and pH dependent; see Ammonia factsheet for more information
 - f. CCME PAL Total Aluminum guideline is 100 µg/L when pH > 6.5
 - g. CCME PAL Total Cadmium guideline = $10^{(0.86[\text{Log(hardness)}] - 3.2)}$

Average hardness = 17.4 (Baker Lake onshore sites only)

Cadmium Guideline = 0.0074
 - h. GCDWQ Maximum Acceptable Concentration
 - i. GCDWQ Interim Maximum Acceptable Concentration
 - j. CCME PAL Total Copper guideline:

0.002 mg/L when [CaCO3] is 0 - 120 mg/L
 - k. CCME PAL Total Nickel guideline:

0.025 mg/L when [CaCO3] is 0 - 60 mg/L
 - l. CCME PAL Total Lead guideline:

0.001 mg/L when [CaCO3] is 0 - 60 mg/L
 - m. **Bolded** result implies a guideline exceedance