



July 30, 2012

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Water Resources Officer, INAC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

RE: Water License 2BB-MRY1114 Monthly SNP Report – June 2012

The following is the monthly report for June 2012 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of June 2012, samples were collected at MRY-4, MRY-4b/MRY-4c, MRY-5a, MRY-6, MRY-7, MRY-10, MRY-11, MRY-13a, and MRY-13b as part of the SNP sampling program. Table 1 presents a list of samples/monitoring required under the Water License and the details concerning which water quality samples have, been collected along with sample date/lab identification number as appropriate. Analytical water quality testing results received as part of the SNP program, are presented in Table 2. Volumes consumed for domestic water purposes, as well as volumes of treated sewage effluent discharged at Mary River and Milne Inlet Camps are presented in attached Table 3.

SNP Results

A) Water Sampling and Analysis Results

Table 2 provides the analytical results related to SNP sampling requirements for June 2012.

B) Flow and Volume Measurements

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 9 of the water license for June 2012.

We hope that the information provided in this monthly report is acceptable and should you have any questions regarding this report please contact Jim Millard at 902-403-1337(cell) / 647-693-9447 (site) or by e-mail at jim.millard@baffinland.com.

Regards,

A handwritten signature in black ink, appearing to read "J. Millard", written over a horizontal line.

James Millard, M.Sc., P.Geo.
Senior Environmental Superintendent

Attach: Tables 1, 2 and 3

Cc: Andrew Keim and Melissa Joy (AANDC), Stephen Bathory and Salamonie Shoo (QIA)

Baffinland Iron Mines Corporation

Suite 1016 120 Adelaide Street West, Toronto, ON Canada M5H 1T1

Tel: +1 (416) 364-8820 • Fax: +1 (416) 364-0193

www.baffinland.com



Table 1: SNP Water Sampling Summary for June 2012

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Daily Volumes Reported
MRY-2	N/A	N/A	N/A – Water take location not active
MRY-3	N/A	N/A	Daily Volumes Reported
MRY-4	June 4 June 13 June 17 June 24	961752, 961863 964236, 96315 965427, 965492 967838, 967833	Volume reported daily
MRY-401 MRY-402 MRY-403	June 13	964237, 964316 964238, 964317 964239, 964318	
MRY-4b	June 3 June 15 June 19	961751, 961861 965425 966446	
MRY-4c	June 3 June 10 June 12 June 13	961748, 961862 963486 964915 964321	
MRY-401c MRY-402c MRY-403c	June 12	964916 964917 964918	
MRY-5	N/A	N/A	N/A RBC not operating
MRY-5a	June 3 June 11 June 12 June 15	961747, 961859 964242, 964319 964243, 964320 965424, 965491	
MRY-6	June 16 June 21 June 24 June 26 June 29	965289, 290, 291 966822 970829 967825 970031	
MRY-7	June 13 June 14 June 18 June 23 June 26	964247 962248, 962249 966533 967831 967824	
MRY-8/9	N/A	N/A	No flow observed
MRY-10	June 30	969378	
MRY-11	June 30	969374	
MRY-12	June 30	N/A	No flow observed
MRY-13a	June 30	969381	
MRY-13b	June 30	969382	

Notes:

MRY-4b corresponds to PWSP no. 2

MRY-4c corresponds to PWSP no. 3

MRY-401, MRY-402, and MRY-403 are QA/QC samples for MRY-4 (field duplicate, field blank, and travel blank, respectively).

MRY-401c, MRY-402c, and MRY-403c are QAQC samples for MRY-4c (field duplicate, field blank, and travel blank, respectively).



Table 2. Water Chemistry Results - June 2012

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Units	Lab
961752	MRY-4	4-Jun-12	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
961752	MRY-4	4-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
961752	MRY-4	4-Jun-12	pH	7.69	pH units	Exova Accutest
961752	MRY-4	4-Jun-12	Total Suspended Solids	9	mg/L	Exova Accutest
964236	MRY-4	13-Jun-12	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
964315	MRY-4	13-Jun-12	Faecal Coliforms	420	CFU/100mL	Exova Accutest
964236	MRY-4	13-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964236	MRY-4	13-Jun-12	pH	7.8	pH units	Exova Accutest
964236	MRY-4	13-Jun-12	Total Suspended Solids	31	mg/L	Exova Accutest
965427	MRY-4	17-Jun-12	Biochemical Oxygen Demand	24	mg/L	Exova Accutest
965492	MRY-4	17-Jun-12	Faecal Coliforms	50	CFU/100mL	Exova Accutest
965427	MRY-4	17-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
965427	MRY-4	17-Jun-12	pH	7.6	pH units	Exova Accutest
965427	MRY-4	17-Jun-12	Total Suspended Solids	31	mg/L	Exova Accutest
967838	MRY-4	24-Jun-12	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
967833	MRY-4	24-Jun-12	Faecal Coliforms	3	CFU/100mL	Exova Accutest
967838	MRY-4	24-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
967838	MRY-4	24-Jun-12	pH	7.63	pH units	Exova Accutest
967838	MRY-4	24-Jun-12	Total Suspended Solids	5	mg/L	Exova Accutest
964237	MRY-401	13-Jun-12	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
964316	MRY-401	13-Jun-12	Faecal Coliforms	440	CFU/100mL	Exova Accutest
964237	MRY-401	13-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964237	MRY-401	13-Jun-12	pH	7.79	pH units	Exova Accutest
964237	MRY-401	13-Jun-12	Total Suspended Solids	31	mg/L	Exova Accutest
964238	MRY-402	13-Jun-12	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
964317	MRY-402	13-Jun-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
964238	MRY-402	13-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964238	MRY-402	13-Jun-12	pH	6.39	pH units	Exova Accutest
964238	MRY-402	13-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
964239	MRY-403	13-Jun-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
964318	MRY-403	13-Jun-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
964239	MRY-403	13-Jun-12	Oil & Grease - Total	13	mg/L	Exova Accutest
964239	MRY-403	13-Jun-12	pH	5.93	pH units	Exova Accutest
964239	MRY-403	13-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
961751	MRY-4B	3-Jun-12	Biochemical Oxygen Demand	4	mg/L	Exova Accutest
961751	MRY-4B	3-Jun-12	Oil & Grease - Total	3	mg/L	Exova Accutest
961751	MRY-4B	3-Jun-12	pH	7.33	pH units	Exova Accutest
961751	MRY-4B	3-Jun-12	Total Suspended Solids	13	mg/L	Exova Accutest
965425	MRY-4B	15-Jun-12	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
965425	MRY-4B	15-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
965425	MRY-4B	15-Jun-12	pH	7.14	pH units	Exova Accutest
965425	MRY-4B	15-Jun-12	Total Suspended Solids	17	mg/L	Exova Accutest
966446	MRY-4B	19-Jun-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
961748	MRY-4C	3-Jun-12	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
961862	MRY-4C	3-Jun-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
961748	MRY-4C	3-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
961748	MRY-4C	3-Jun-12	pH	8.13	pH units	Exova Accutest
961748	MRY-4C	3-Jun-12	Total Suspended Solids	4	mg/L	Exova Accutest
961692	MRY-4C	3-Jun-12	Toxicity*	Non-lethal	-	Exova

Table 2

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Units	Lab
963484	MRY-4C	8-Jun-12	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
963484	MRY-4C	8-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
963484	MRY-4C	8-Jun-12	pH	8.11	pH units	Exova Accutest
963484	MRY-4C	8-Jun-12	Total Suspended Solids	9	mg/L	Exova Accutest
963486	MRY-4C	10-Jun-12	Biochemical Oxygen Demand	3	mg/L	Exova Accutest
963486	MRY-4C	10-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
963486	MRY-4C	10-Jun-12	pH	7.98	pH units	Exova Accutest
963486	MRY-4C	10-Jun-12	Total Suspended Solids	9	mg/L	Exova Accutest
964915	MRY-4C	12-Jun-12	Biochemical Oxygen Demand	3	mg/L	Exova Accutest
964915	MRY-4C	12-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964915	MRY-4C	12-Jun-12	pH	7.84	pH units	Exova Accutest
964915	MRY-4C	12-Jun-12	Total Suspended Solids	9	mg/L	Exova Accutest
964916	MRY-401C	12-Jun-12	Biochemical Oxygen Demand	3	mg/L	Exova Accutest
964916	MRY-401C	12-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964916	MRY-401C	12-Jun-12	pH	7.89	pH units	Exova Accutest
964916	MRY-401C	12-Jun-12	Total Suspended Solids	9	mg/L	Exova Accutest
964917	MRY-402C	12-Jun-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
964917	MRY-402C	12-Jun-12	pH	7.56	pH units	Exova Accutest
964917	MRY-402C	12-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
964918	MRY-403C	12-Jun-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
964918	MRY-403C	12-Jun-12	pH	6.02	pH units	Exova Accutest
964918	MRY-403C	12-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
964244	MRY-4C	13-Jun-12	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
964321	MRY-4C	13-Jun-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
964244	MRY-4C	13-Jun-12	Oil & Grease - Total	2	mg/L	Exova Accutest
964244	MRY-4C	13-Jun-12	pH	7.93	pH units	Exova Accutest
964244	MRY-4C	13-Jun-12	Total Suspended Solids	25	mg/L	Exova Accutest
961747	MRY-5A	3-Jun-12	Biochemical Oxygen Demand	37	mg/L	Exova Accutest
961859	MRY-5A	3-Jun-12	Faecal Coliforms	127	CFU/100mL	Exova Accutest
961747	MRY-5A	3-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
961747	MRY-5A	3-Jun-12	pH	7.4	pH units	Exova Accutest
961747	MRY-5A	3-Jun-12	Total Suspended Solids	32	mg/L	Exova Accutest
961693	MRY-5A	3-Jun-12	Toxicity*	Non-lethal	-	Exova
964242	MRY-5A	11-Jun-12	Biochemical Oxygen Demand	14	mg/L	Exova Accutest
964319	MRY-5A	11-Jun-12	Faecal Coliforms	1120	CFU/100mL	Exova Accutest
964242	MRY-5A	11-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964242	MRY-5A	11-Jun-12	pH	7.12	pH units	Exova Accutest
964242	MRY-5A	11-Jun-12	Total Suspended Solids	22	mg/L	Exova Accutest
964243	MRY-5A	12-Jun-12	Biochemical Oxygen Demand	15	mg/L	Exova Accutest
964320	MRY-5A	12-Jun-12	Faecal Coliforms	370	CFU/100mL	Exova Accutest
964243	MRY-5A	12-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
964243	MRY-5A	12-Jun-12	pH	7.22	pH units	Exova Accutest
964243	MRY-5A	12-Jun-12	Total Suspended Solids	16	mg/L	Exova Accutest
965424	MRY-5A	15-Jun-12	Biochemical Oxygen Demand	13	mg/L	Exova Accutest
965491	MRY-5A	15-Jun-12	Faecal Coliforms	10	CFU/100mL	Exova Accutest
965424	MRY-5A	15-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
965424	MRY-5A	15-Jun-12	pH	7.37	pH units	Exova Accutest
965424	MRY-5A	15-Jun-12	Total Suspended Solids	19	mg/L	Exova Accutest
965291	MRY-6	16-Jun-12	Benzene	<1	ug/L	Exova Accutest
965291	MRY-6	16-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
965291	MRY-6	16-Jun-12	Lead	<0.001	mg/L	Exova Accutest
965291	MRY-6	16-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
965291	MRY-6	16-Jun-12	Toluene	<1	ug/L	Exova Accutest

Table 2

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Units	Lab
965290	MRY-6	16-Jun-12	Benzene	<1	ug/L	Exova Accutest
965290	MRY-6	16-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
965290	MRY-6	16-Jun-12	Lead	0.001	mg/L	Exova Accutest
965290	MRY-6	16-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
965290	MRY-6	16-Jun-12	Toluene	<1	ug/L	Exova Accutest
965289	MRY-6	16-Jun-12	Benzene	<1	ug/L	Exova Accutest
965289	MRY-6	16-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
965289	MRY-6	16-Jun-12	Lead	<0.001	mg/L	Exova Accutest
965289	MRY-6	16-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
965289	MRY-6	16-Jun-12	Toluene	<1	ug/L	Exova Accutest
966822	MRY-6	21-Jun-12	Benzene	<0.5	ug/L	Exova Accutest
966822	MRY-6	21-Jun-12	Ethylbenzene	<0.5	ug/L	Exova Accutest
966822	MRY-6	21-Jun-12	Lead	<0.001	mg/L	Exova Accutest
966822	MRY-6	21-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
966822	MRY-6	21-Jun-12	Toluene	<0.5	ug/L	Exova Accutest
967829	MRY-6	24-Jun-12	Benzene	<1	ug/L	Exova Accutest
967829	MRY-6	24-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
967829	MRY-6	24-Jun-12	Lead	<0.001	mg/L	Exova Accutest
967829	MRY-6	24-Jun-12	Oil & Grease	2	mg/L	Exova Accutest
967829	MRY-6	24-Jun-12	Toluene	<1	ug/L	Exova Accutest
967825	MRY-6	26-Jun-12	Benzene	<1	ug/L	Exova Accutest
967825	MRY-6	26-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
967825	MRY-6	26-Jun-12	Lead	<0.001	mg/L	Exova Accutest
967825	MRY-6	26-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
967825	MRY-6	26-Jun-12	Toluene	<1	ug/L	Exova Accutest

Table 2

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Units	Lab
970031	MRY-6	29-Jun-12	Benzene	<0.5	ug/L	Exova Accutest
970031	MRY-6	29-Jun-12	Ethylbenzene	<0.5	ug/L	Exova Accutest
970031	MRY-6	29-Jun-12	Lead	<0.001	mg/L	Exova Accutest
970031	MRY-6	29-Jun-12	Oil & Grease	3	mg/L	Exova Accutest
970031	MRY-6	29-Jun-12	Toluene	<0.5	ug/L	Exova Accutest
964247	MRY-7	13-Jun-12	Benzene	<0.5	ug/L	Exova Accutest
964247	MRY-7	13-Jun-12	Ethylbenzene	<0.5	ug/L	Exova Accutest
964247	MRY-7	13-Jun-12	Lead	<0.001	mg/L	Exova Accutest
964247	MRY-7	13-Jun-12	Oil & Grease	2	mg/L	Exova Accutest
964247	MRY-7	13-Jun-12	Toluene	<0.5	ug/L	Exova Accutest
964248	MRY-7	14-Jun-12	Benzene	<0.5	ug/L	Exova Accutest
964248	MRY-7	14-Jun-12	Ethylbenzene	<0.5	ug/L	Exova Accutest
964248	MRY-7	14-Jun-12	Lead	<0.001	mg/L	Exova Accutest
964248	MRY-7	14-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
964248	MRY-7	14-Jun-12	Toluene	<0.5	ug/L	Exova Accutest
964249	MRY-7	14-Jun-12	Benzene	<0.5	ug/L	Exova Accutest
964249	MRY-7	14-Jun-12	Ethylbenzene	<0.5	ug/L	Exova Accutest
964249	MRY-7	14-Jun-12	Lead	<0.001	mg/L	Exova Accutest
964249	MRY-7	14-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
964249	MRY-7	14-Jun-12	Toluene	<0.5	ug/L	Exova Accutest
966533	MRY-7	18-Jun-12	Benzene	<1	ug/L	Exova Accutest
966533	MRY-7	18-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
966533	MRY-7	18-Jun-12	Lead	<0.001	mg/L	Exova Accutest
966533	MRY-7	18-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
966533	MRY-7	18-Jun-12	Toluene	<1	ug/L	Exova Accutest
967831	MRY-7	23-Jun-12	Benzene	<1	ug/L	Exova Accutest
967831	MRY-7	23-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
967831	MRY-7	23-Jun-12	Lead	<0.001	mg/L	Exova Accutest
967831	MRY-7	23-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
967831	MRY-7	23-Jun-12	Toluene	<1	ug/L	Exova Accutest

Table 2

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Units	Lab
967824	MRY-7	26-Jun-12	Benzene	<1	ug/L	Exova Accutest
967824	MRY-7	26-Jun-12	Ethylbenzene	<1	ug/L	Exova Accutest
967824	MRY-7	26-Jun-12	Lead	<0.001	mg/L	Exova Accutest
967824	MRY-7	26-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
967824	MRY-7	26-Jun-12	Toluene	<1	ug/L	Exova Accutest
969378	MRY-10	30-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
969378	MRY-10	30-Jun-12	pH	7.07	pH units	Exova Accutest
969378	MRY-10	30-Jun-12	Total Suspended Solids	10	mg/L	Exova Accutest
969378	MRY-10	30-Jun-12	Arsenic (Total)	0.25	ug/L	Exova Accutest
969378	MRY-10	30-Jun-12	Copper (Total)	3.07	ug/L	Exova Accutest
969378	MRY-10	30-Jun-12	Lead (Total)	1.19	ug/L	Exova Accutest
969378	MRY-10	30-Jun-12	Nickel (Total)	4.04	ug/L	Exova Accutest
969378	MRY-10	30-Jun-12	Zinc (Total)	3.5	ug/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Oil & Grease	<1	mg/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	pH	8.04	pH units	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Total Suspended Solids	2	mg/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Arsenic (Total)	0.12	ug/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Copper (Total)	1.02	ug/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Lead (Total)	0.33	ug/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Nickel (Total)	1.65	ug/L	Exova Accutest
969374	MRY-11-TP1	30-Jun-12	Zinc (Total)	<3	ug/L	Exova Accutest

Table 2

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Units	Lab
969381	MRY-13A	30-Jun-12	pH, Laboratory	7.76	pH units	Exova Accutest
969381	MRY-13A	30-Jun-12	Alkalinity, Total as mg CaCO3 equiv.	59	mg/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Conductivity in Laboratory	134	uS/cm	Exova Accutest
969381	MRY-13A	30-Jun-12	Total Dissolved Solids	87	mg/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Aluminum (Al) Total	3	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Antimony (Sb) Total	<0.1	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Barium (Ba) Total	6.97	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Cadmium (Cd) Total	<0.01	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Chromium (Cr) Total	0.4	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Cobalt (Co) Total	<0.1	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Copper (Cu) Total	1.47	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Iron (Fe) Total	<10	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Lead (Pb) Total	<0.05	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Lithium (Li) Total	1.07	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Manganese (Mn) Total	0.222	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Molybdenum (Mo) Total	0.209	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Nickel (Ni) Total	7.07	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Selenium (Se) Total	<0.1	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Tin (Sn) Total	<0.1	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Strontium (Sr) Total	0.2	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Thallium (Tl) Total	<0.01	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Titanium (Ti) Total	<10	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Uranium (U) Total	0.286	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Vanadium (V) Total	<1	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Zinc (Zn) Total	<3	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Arsenic (As) Total	0.13	ug/L	Exova Accutest
969381	MRY-13A	30-Jun-12	Mercury (Hg) Total	<0.01	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	pH, Laboratory	7.9	pH units	Exova Accutest
969382	MRY-13B	30-Jun-12	Alkalinity, Total as mg CaCO3 equiv.	76	mg/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Conductivity in Laboratory	178	uS/cm	Exova Accutest
969382	MRY-13B	30-Jun-12	Total Dissolved Solids	116	mg/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Aluminum (Al) Total	7.7	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Antimony (Sb) Total	<0.1	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Barium (Ba) Total	9.44	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Cadmium (Cd) Total	<0.01	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Chromium (Cr) Total	0.33	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Cobalt (Co) Total	<0.1	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Copper (Cu) Total	1.28	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Iron (Fe) Total	10	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Lead (Pb) Total	<0.05	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Lithium (Li) Total	0.89	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Manganese (Mn) Total	3.88	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Molybdenum (Mo) Total	0.221	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Nickel (Ni) Total	5.86	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Selenium (Se) Total	<0.1	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Tin (Sn) Total	<0.1	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Strontium (Sr) Total	8.8	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Thallium (Tl) Total	<0.01	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Titanium (Ti) Total	<10	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Uranium (U) Total	0.245	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Vanadium (V) Total	<1	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Zinc (Zn) Total	<3	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Arsenic (As) Total	<0.1	ug/L	Exova Accutest
969382	MRY-13B	30-Jun-12	Mercury (Hg) Total	<0.01	ug/L	Exova Accutest

Note: Acute lethality to Rainbow trout, *Oncorhynchus mykiss* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)
 Acute lethality to *Daphnia magna* (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/14).

Table 3: Flow and Volume Measurements-Part I Item 7 - June 2012

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m³) - MRY-1	Camp Lake Daily Freshwater Use for Other Purposes - (m³) - MRY-1	Camp Lake Daily Freshwater Use for Milne Inlet - (m³) - MRY-1	Three Km Lake Steensby Inlet Daily Potable Water (m³)	Km 32 Lake Milne Inlet Camp Daily Potable Water (m³)	Camp Lake Daily Drill Use (m3) - Geochemical	Treated Sewage Effluent (m³) from WWTF to PWSP at Mary River Camp - MRY-4	Sewage Sludge Removed (m³) from Mary River WWTP	Treated Sewage Effluent (m³) from PWSP to Sheardown Lake (MRY-4b,4c)	Treated Sewage Effluent (m³) from PWSP to Milne Inlet (MRY-5a)
1-Jun	12.9	8.3	0.0	0.0	0.0	0.0	12.9	0.0	0	0
2-Jun	11.4	10.2	0.0	0.0	0.0	0.0	11.4	0.0	0	0
3-Jun	9.1	8.7	0.0	0.0	0.0	0.0	9.1	0.0	0	0
4-Jun	20.8	0.0	0.0	0.0	0.0	0.0	20.8	0.0	0	0
5-Jun	18.2	11.0	0.0	0.0	0.0	0.0	18.2	0.0	0	0
6-Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
7-Jun	22.7	3.4	0.0	0.0	0.0	0.0	22.7	0.0	67	0
8-Jun	7.6	5.3	0.0	0.0	0.0	0.0	7.6	0.0	74	0
9-Jun	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	168	0
10-Jun	18.9	0.0	0.0	0.0	0.0	0.0	18.9	0.0	179	0
11-Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	0
12-Jun	18.5	0.0	0.0	0.0	0.0	0.0	18.5	0.0	52	170
13-Jun	0.0	0.0	10.6	0.0	0.0	24.2	0.0	0.0	0	0
14-Jun	29.1	0.0	0.0	0.0	0.0	0.0	29.1	0.0	175	0
15-Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	124
16-Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
17-Jun	29.5	0.0	0.0	0.0	0.0	0.0	29.5	0.0	158	0
18-Jun	0.0	0.0	0.0	0.0	0.0	14.8	0.0	0.0	0	0
19-Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
20-Jun	32.6	0.0	0.0	9.3	0.0	29.1	32.6	0.0	0	0
21-Jun	0.0	0.0	0.0	0.0	0.0	14.8	0.0	0.0	0	0
22-Jun	24.6	0.0	0.0	0.0	0.0	18.5	24.6	0.0	0	0
23-Jun	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0	0
24-Jun	0.0	0.0	0.0	0.0	8.0	7.6	0.0	0.0	0	0
25-Jun	0.0	0.0	0.0	0.0	8.0	4.9	0.0	0.0	0	0
26-Jun	29.9	0.0	0.0	5.9	0.0	11.0	29.9	0.0	0	0
27-Jun	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0	0
28-Jun	26.5	0.0	0.0	0.0	0.0	13.6	26.5	0.0	0	0
29-Jun	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0	0
30-Jun	25.4	0.0	0.0	7.8	0.0	75.0	25.4	0.0	0	0
Total	337.7	57.2	10.6	23.1	16.0	262.0	337.7	0.0	1128	294

Notes:

WWTP - Waste Water Treatment Plant
PWSP - Polishing Waste Stabilization Pond