

Dec. 10, 2007
3.393, G0-02

Attn. Dionne Filiatrault, Richard Dwyer, Phyllis Beaulieu
Nunavut Water Board
PO Box 119
Gjoa Haven, Nunavut
X0B 0J0
867 360-6338

Re: Monitoring Report: Meliadine West Project, Lic: 2BB-MEL0709

This letter is intended to update the NWB and fulfill the reporting requirements outlined in the **Site Water Management Plan (October, 2007)** for the Meliadine West Gold Project. A complete round of samples was collected in October 8, 2007 that includes the four sites mandated by the NWB. Details on the sample sites and some analytical results are given in the following table:

Table 1: Sample Locations: Field Data

FieldID	Sample	Lab Report	UTM E	UTM N	Sample Date	Sample Time	pH Field	Temp Field
1 CAMP-IN	MEL1	L533001	541934	6989173	18-Jul-07	09:00	7.41	13.2
CAMP IN (MEL-1)	MEL1	L563684	541934	6989173	08-Oct-07	09:45	7.4	0.7
6 A8	MEL2	L533001	540681	6986702	18-Jul-07	11:15	8.06	17.6
A8 (MEL-2)	MEL2	L563684	540681	6986702	08-Oct-07	12:15	7.81	0.5
MEL-3	MEL3	L542462	542083	6989004	13-Aug-07	09:39	7.63	9.2
CAMP GREY (MEL-3)	MEL3	L563684	542083	6989004	08-Oct-07	10:25	7.64	0.5
2 CAMP-GREY	MEL4	L533001	542092	6989012	18-Jul-07	09:15	7.36	9.3
MEL LAKE-GREY (MEL-4)	MEL4	L563684	542092	6989012	08-Oct-07	06:10	7.55	1

Note: Coordinates are NAD83, UTM Zone 15 – Handheld GPS

The sample locations are shown on Figure 1 attached. In Appendix 1, all of the analytical results are tabulated and the original laboratory sheets are attached. The results are also compared to CCME Protection of Aquatic Life criteria.

Table 2 summarizes results where the criteria are exceeded. Certain CCME criteria for the protection of aquatic life are exceeded in the camp greywater sample (MEL3) taken directly from the wetland environment (Figure 1). Arsenic (As), mercury (Hg), dissolved iron (Fe dissol) values exceed the criteria inconsistently. Generally high arsenic background values are common in the area and this issue is discussed in the **Site Water Management Plan (October, 2007)** for the Meliadine West Gold Project. This and the other inconsistent results for iron and mercury will be closely monitored. One other sample (MEL1) also registered 1 mercury result that exceeds the CCME criteria.

Table 2: Results that exceed CCME Protection of Aquatic Life criteria.

FieldID	Sample	Lab_Report	Sample_Date	As	Fe_dissol	Hg	Fecal Coliforms	Phos_tot
Units				mgL	mgL	mgL	CFU per 100 ml	mgL
1 CAMP-IN	MEL1	L533001	18-Jul-07	<0.0004	0.040	0.0004	n.d.	n.d.
CAMP IN (MEL-1)	MEL1	L563684	08-Oct-07	<0.0004	0.014	<0.0001	<1	<0.02
6 A8	MEL2	L533001	18-Jul-07	0.0024	0.160	<0.0002	n.d.	n.d.
A8 (MEL-2)	MEL2	L563684	08-Oct-07	0.0016	0.033	<0.0001	<1	<0.02
MEL-3	MEL3	L542462	13-Aug-07	0.0069	0.087	0.0002	n.d.	3.07
CAMP GREY (MEL-3)	MEL3	L563684	08-Oct-07	0.0034	0.336	<0.0001	76	3.19
2 CAMP-GREY	MEL4	L533001	18-Jul-07	<0.0004	0.039	<0.0002	n.d.	n.d.
MEL LAKE-GREY (MEL-4)	MEL4	L563684	08-Oct-07	0.0004	0.089	<0.0001	<1	<0.02
CCME Prot Aq				0.005	0.3	0.0001	0	0.03

Note: n.d. – not determined

Table 3: Daily Water Consumption Statistics (cubic meters)

Oct	Camp	Portal	Nov	Camp	Portal
1			1	3.0	8.3
2			2	3.0	1.0
3			3	3.0	1.0
4			4	4.0	4.2
5			5	3.6	2.1
6			6	3.0	2.1
7			7	3.6	4.2
8			8	3.2	4.2
9			9	3.2	10.4
10	5.4		10	4.0	19.8
11	4.7		11	3.8	4.2
12	5.0		12	4.6	2.1
13	5.0		13	5.2	2.1
14	5.1		14	4.8	5.2
15	3.4		15	3.8	0.0
16	2.5		16	3.6	2.1
17	2.8		17	4.2	2.1
18	2.4		18	5.0	4.2
19	3.6		19	5.2	0.0
20	2.8		20	5.6	0.0
21	3.8		21	4.0	0.0
22	3.4		22	5.2	4.2
23	4.7		23	5.0	4.2
24	3.6		24	5.0	4.2
25	3.5		25	5.6	0.0
26	3.2		26	5.0	4.2
27	4.5		27	5.4	2.1
28	4.0	4.2	28	5.2	0.0
29	4.1	0.0	29	5.0	2.1
30	3.5	2.1	30	5.4	2.1
31	3.2	4.2			
Totals	84.2	10.5	Totals	130.2	102.4
Average	3.8	2.6	Average	4.3	3.4
Daily Avg	6.5		Daily Avg	7.8	



Phosphorus is high in the wetland greywater sample (MEL3) in both cases. This probably reflects loading of greywater with detergents from normal kitchen and dry activities. Comaplex will attempt to substitute low phosphorus products in its kitchen and dry applications to reduce the loading of this contaminant.

Fecal coliforms were detected in the greywater sample (MEL3) collected in October of 2007. There is no obvious human source for fecal coliforms as human wastes are bagged and incinerated. Birds and small mammals frequent the wetland area and are thought to be the source of this determination. Comaplex will continue to closely monitor fecal coliform determinations.

Table 3 shows water consumption statistics for the program for the months of October and November of 2007. The data for November is complete and shows that the camp and underground exploration (portal) site combined are averaging less than 8 cubic meters of water consumption per day. This is well within the guidelines established under water license 2BB-MEL0709.

Please call if you have any further questions or require any further information.

Yours Truly

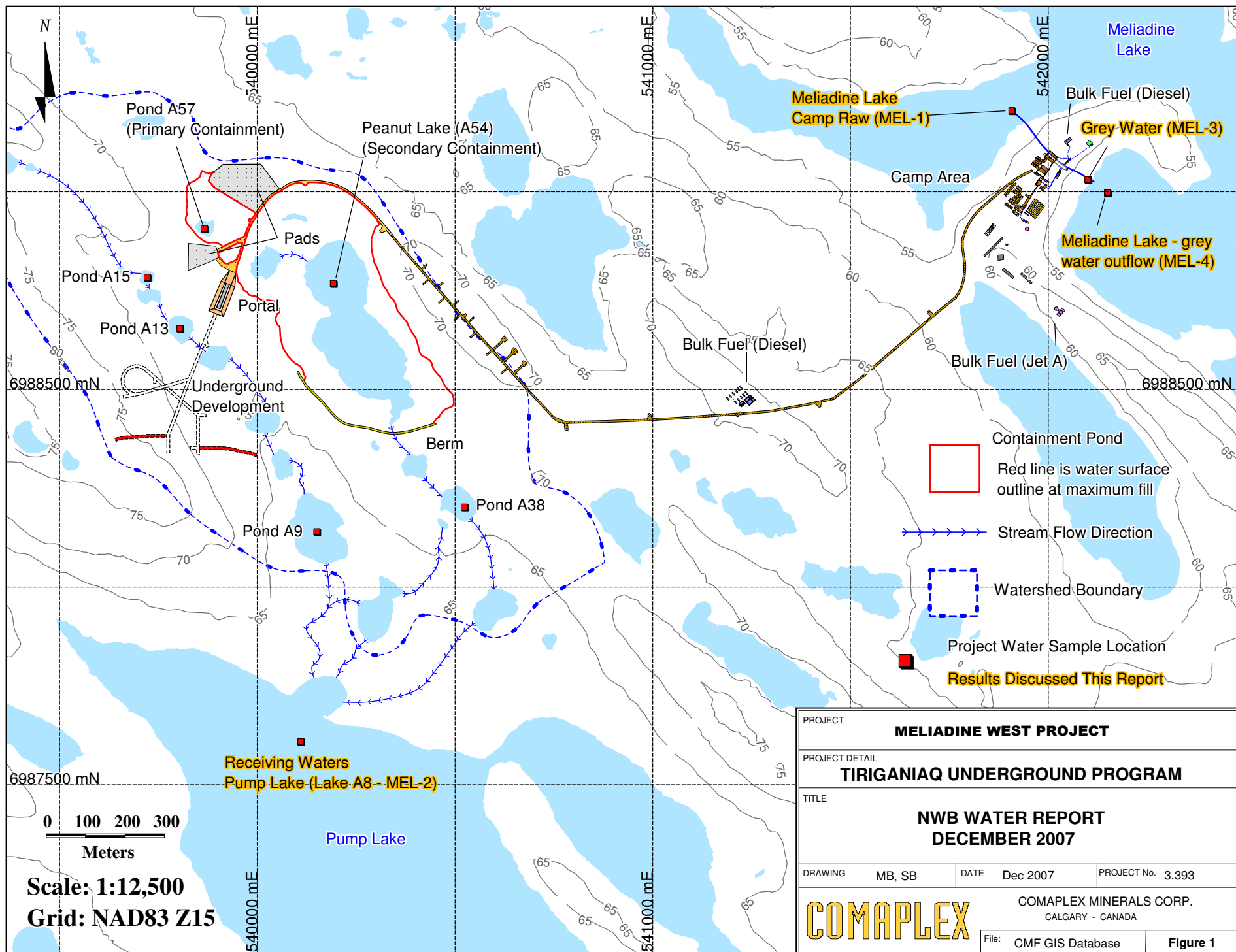
B. Sandy Barham
Comaplex Minerals Corp.

Attachements:

Figure 1

Appendix 1

cc. RCF - Attn. Russ Cranswick



Appendix 1: Analytical Results

FieldID	Sample	Lab_Report	UTM_E	UTM_N	Sample_Date	Sample_Time	pH_Field	Temp_Field	Alk_CaCO3_mgL	Al_mgL	Ammon_N_mgL	Sb_mgL	As_mgL	Ba_mgL
1 CAMP-IN	MEL1	L533001	541934	6989173	18-Jul-07	09:00	7.41	13.2	16	0.01		<0.0004	<0.0004	0.007
CAMP IN (MEL-1)	MEL1	L563684	541934	6989173	08-Oct-07	09:45	7.4	0.7	14	<0.01	<0.05	0.0017	<0.0004	0.006
6 A8	MEL2	L533001	540681	6986702	18-Jul-07	11:15	8.06	17.6	30	0.01		<0.0004	0.0024	0.014
A8 (MEL-2)	MEL2	L563684	540681	6986702	08-Oct-07	12:15	7.81	0.5	33	<0.01	<0.05	0.0017	0.0016	0.013
MEL-3	MEL3	L542462	542083	6989004	13-Aug-07	09:39	7.63	9.2	301	0.03	<0.05	0.0005	0.0069	0.032
CAMP GREY (MEL-3)	MEL3	L563684	542083	6989004	08-Oct-07	10:25	7.64	0.5	182	0.03	<0.05	0.0014	0.0034	0.021
2 CAMP-GREY	MEL4	L533001	542092	6989012	18-Jul-07	09:15	7.36	9.3	11	0.01		<0.0004	<0.0004	0.007
MEL LAKE-GREY (MEL-4)	MEL4	L563684	542092	6989012	08-Oct-07	06:10	7.55	1	13	0.03	<0.05	0.0015	0.0004	0.007
CCME Prot Aq										calc			0.005	
CCME Drinking										0.1			0.025	1

Appendix 1: Analytical Results

FieldID	Sample	Be_mgL	Bicarb_HCO3_mgL	BOD_mgL	B_mgL	Cd_mgL	Ca_mgL	Carb_CO3_mgL	Chloride_mgL	Cr_mgL	Co_mgL	Cond_ED_uScm	Cu_mgL
1 CAMP-IN	MEL1	<0.001	19		<0.05	<0.0002	5.3	<5	7	<0.005	<0.002	56.8	0.002
CAMP IN (MEL-1)	MEL1	<0.001	17	<2	<0.05	<0.0001	5.9	<5	6	<0.005	<0.002	63.2	<0.001
6 A8	MEL2	<0.001	37		<0.05	<0.0002	13.7	<5	12	<0.005	<0.002	106	0.002
A8 (MEL-2)	MEL2	<0.001	40	<2	<0.05	<0.0001	16.9	<5	17	<0.005	<0.002	134	<0.001
MEL-3	MEL3	<0.001	367		<0.05	<0.0001	49.0	<5	40	<0.005	0.006	715	0.003
CAMP GREY (MEL-3)	MEL3	<0.001	222	22	<0.05	<0.0001	34.2	<5	29	<0.005	0.012	503	0.002
2 CAMP-GREY	MEL4	<0.001	13		<0.05	<0.0002	5.3	<5	7	<0.005	<0.002	57.6	0.002
MEL LAKE-GREY (MEL-4)	MEL4	<0.001	15	<2	<0.05	<0.0001	5.6	<5	6	<0.005	<0.002	61.6	0.001
CCME Prot Aq										0.0089			.002-.004
CCME Drinking						0.005			250	0.05			1

Appendix 1: Analytical Results

FieldID	Sample	Hard_CaCO3_mgL	OH_mgL	Ion_Bal_%	Fe_dissol_mgL	Pb_mgL	Li_mgL	Mg_mgL	Mn_mgL	Hg_mgL	Fecal_Col_CFU_100ml	Mo_mgL	Ni_mgL
1 CAMP-IN	MEL1	16	<5	Low EC	0.040	<0.0001	<0.01	0.9	0.009	0.0004		<0.005	<0.002
CAMP IN (MEL-1)	MEL1	18	<5	Low EC	0.014	<0.0001	<0.003	0.9	0.003	<0.0001	<1	<0.005	<0.002
6 A8	MEL2	41	<5	91.2	0.160	0.0007	<0.01	1.7	0.012	<0.0002		<0.005	<0.002
A8 (MEL-2)	MEL2	51	<5	96.7	0.033	<0.0001	0.004	2.2	0.003	<0.0001	<1	<0.005	<0.002
MEL-3	MEL3	133	<5	107	0.087	0.0019	<0.003	2.5	0.017	0.0002		<0.005	0.023
CAMP GREY (MEL-3)	MEL3	97	<5	100	0.336	0.0034	0.003	2.9	0.380	<0.0001	76	<0.005	0.024
2 CAMP-GREY	MEL4	17	<5	Low EC	0.039	<0.0001	<0.01	0.9	0.013	<0.0002		<0.005	<0.002
MEL LAKE-GREY (MEL-4)	MEL4	18	<5	Low EC	0.089	<0.0001	<0.003	0.9	0.005	<0.0001	<1	<0.005	<0.002
CCME Prot Aq					0.3	.001-.007				0.0001	0	0.073	.025-.15
CCME Drinking					0.3	0.01			0.05	0.001	0		

Appendix 1: Analytical Results

FieldID	Sample	Nitra_Nitri_N_mgL	Nitra_N_mgL	Nitri_N_mgL	O_and_G_mgL	PO4_P_mgL	pH_lab	Phos_tot_mgL	Phos_tot_diss_mgL	K_mgL	Se_mgL	Si_reac_solu_mgL
1 CAMP-IN	MEL1	<0.1	<0.1	<0.05			7.4			0.8	0.0006	
CAMP IN (MEL-1)	MEL1	<0.1	<0.1	<0.05	<1	<0.01	7.3	<0.02	<0.02	0.9	<0.0004	0.5
6 A8	MEL2	<0.1	<0.1	<0.05			7.8			0.8	0.0008	
A8 (MEL-2)	MEL2	<0.1	<0.1	<0.05	<1	<0.01	7.7	<0.02	<0.02	1.0	<0.0004	1.3
MEL-3	MEL3	0.2	0.2	<0.05		3.19	8.1	3.07		2.7	<0.0004	
CAMP GREY (MEL-3)	MEL3	<0.1	<0.1	<0.05	2	3.01	7.7	3.19	3.07	4.9	0.0004	17.7
2 CAMP-GREY	MEL4	<0.1	<0.1	<0.05			7.3			0.7	0.0005	
MEL LAKE-GREY (MEL-4)	MEL4	<0.1	<0.1	<0.05	<1	<0.01	7.3	<0.02	<0.02	0.9	<0.0004	0.5
CCME Prot Aq			2.9	0.06			6.5-9	0.03			0.001	
CCME Drinking			10	3.2			6.5-8.5				0.01	

Appendix 1: Analytical Results

FieldID	Sample	Ag_mgL	Na_mgL	Sr_mgL	SO4_mgL	TDS_calc_mgL	Tl_mgL	Sn_mgL	Ti_mgL	C_tot_mgL	TDS_mgL	C_tot_inorg_mgL	N_tot_Kjeld_mgL	C_tot_org_mgL
1 CAMP-IN	MEL1	<0.0004	3		6.7	33	0.0001	<0.05	<0.001					
CAMP IN (MEL-1)	MEL1	<0.0001	4		4.0	30	<0.0001	<0.05	<0.001	7		3	<0.2	
6 A8	MEL2	<0.0004	2		3.2	51	<0.0001	<0.05	<0.001					
A8 (MEL-2)	MEL2	<0.0001	3		4.1	64	<0.0001	<0.05	<0.001	11		7	0.2	
MEL-3	MEL3	<0.0001	123	0.262	18.6	417	0.0002	<0.05	<0.001	89	456	73	1.6	24
CAMP GREY (MEL-3)	MEL3	<0.0001	70		31.6	282	<0.0001	<0.05	0.010	70		45	2.4	
2 CAMP-GREY	MEL4	<0.0004	3		3.6	27	<0.0001	<0.05	<0.001					
MEL LAKE-GREY (MEL-4)	MEL4	<0.0001	4		3.6	29	<0.0001	<0.05	0.003	6		3	<0.2	
CCME Prot Aq														
CCME Drinking			200		500	500					500			

Appendix 1: Analytical Results

FieldID	Sample	TSS_mgL	Turb_NTU	U_mgL	V_mgL	Zn_mgL
1 CAMP-IN	MEL1			<0.0001	<0.001	0.008
CAMP IN (MEL-1)	MEL1	3	0.55	<0.0001	<0.001	0.003
6 A8	MEL2			<0.0001	<0.001	0.009
A8 (MEL-2)	MEL2	<3	0.50	<0.0001	<0.001	<0.002
MEL-3	MEL3	<3	0.40	0.0002	0.005	0.026
CAMP GREY (MEL-3)	MEL3	9	6.2	<0.0001	<0.001	0.028
2 CAMP-GREY	MEL4			<0.0001	<0.001	0.011
MEL LAKE-GREY (MEL-4)	MEL4	<3	0.55	<0.0001	<0.001	0.005
CCME Prot Aq		29				0.03
CCME Drinking			1			5