COMAPLEX
MINERALS CORP

MELIADINE WEST GOLD PROJECT

2008 REPORT TO THE
KIVALLIQ INUIT ASSOCIATION,
NUNAVUT IMPACT REVIEW BOARD
AND THE
NUNAVUT WATER BOARD
FOR THE
MELIADINE WEST GOLD PROJECT

WATER LICENSE: 2BB – MEL0709

Rankin Inlet Miners Moses Aliyak, Robert Tatty, Paul Kanayok and Remi Nakkitok – Underground at Meliadine Lake – July 16, 2008

COMAPLEX MINERALS CORP.
CALGARY, AB
March – 2009

COMAPLEX

MINERALS CORP

TABLE OF CONTENTS **Page**

COMAPLEX
MINERALS CORP

COMAPLEX

MINERALS CORP

1.0 Project Status

This annual report was prepared as mandated by the Kivalliq Inuit Association (KIA File KVCL102J168), Nunavut Impact Review Board (File 07EN044), and the Nunavut Water Board (NWB, Water Use License 2BB-MEL0709) in fulfillment of the obligations of Comaplex Minerals Corp. with respect to its Meliadine West Gold Project. Additional relevant information was presented in the previous annual report (Comaplex, 2008).

The bulk sample program is complete and Figure 1 and Plate 1 illustrate the final configuration of surface infrastructure at the exploration site. The results of the bulk sample program including detailed maps of the underground workings, their gold content and excavated volumes are given in Thalenhorst et al (2009). This is a public document available via the internet through the Canadian securities public documents repository at www.sedar.com. A second public document, (Micon, 2009) has been released that investigates the financial viability of a mine development at Meliadine Lake. Comaplex continues to be encouraged by the results of the advanced exploration testing of the gold deposit.

In addition to the bulk sample program, Comaplex completed 23,537 meters of diamond drilling in 79 holes on the Meliadine West property in 2008. Drill meters were distributed between three targets as follows:

- Tiriganiaq Gold Deposit: 21,200 meters in 56 diamond drill holes
- F Gold Deposit: 2,014 meters in 19 diamond drill holes
- Noel Gold Occurrence: 313 meters in 4 diamond drill holes

The results of the drill program were reported in press releases available at www.sedar.com or www.comaplex.com dated July 9, 2008, August 25, 2008, November 10, 2008 and December 8, 2008. Copies of the public documents referenced above are included on the CD attached to this document.

The Meliadine West Gold Project is authorized under the following permits:

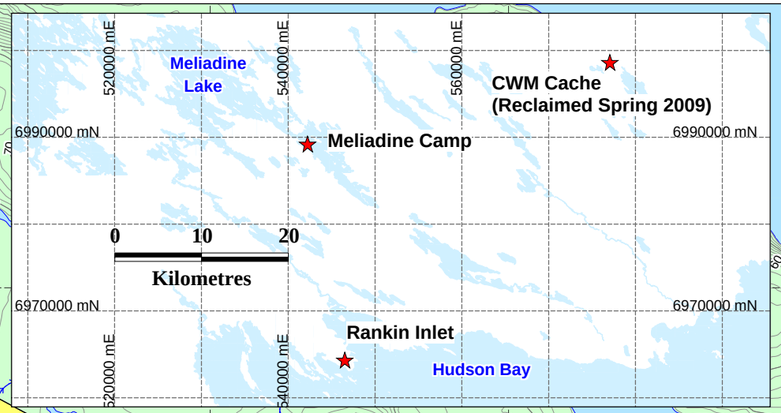
Table 1.1: Current Permits

Lic. Number	Explanation	Issued By	NIRB File	Expiry
KVL100B195	Meliadine Prospecting	KIA		Oct 31 2009
KVL302C268	NTI Parcel Drilling incl Tiriganiaq	KIA		July 1 2009
KVCL102J168	Commercial Lease	KIA	07EN44	June 30, 2011
KVRW98F149	Meliadine Lake Right of Way	KIA		April 30 2009
KVRW07F02	Overland Right of Way	KIA	07AN063	October 26 2009
KVCA07Q08	Mainland Esker Quarry Permit	KIA		September 15, 2010
N2007C0041	CWM Claims Drilling	INAC	05EN006	April 13 2010
N2006X0012	CWM Claims Winter Road	INAC	06RN050	June 27 2009
2008QP0038	QUARRYING MEL LAKE	INAC	08EN005	April 13 2009
N2007Q0040	Land Use Permit - Quarrying	INAC	05EN006	April 13 2009
	WCB Program Authorization	WCB		31-Dec-08
	Hamlet Disposal Authorization	Hamlet	issued May 07	
2BB-MEL0709	Water License	NWB		31-Jul-09

Legend

Stream - flow direction indicated

Drainage Basin Boundary



N

539500 m E

541500 m E

542500 m E

6989000 m N

6988000 m N

Quarries (Reclaimed Spring 2008)

Ice Airstrip

Bulk Fuel (P-50)

Camp Water Supply (Mel-1) 541909 mE, 6989204 mN

Meliadine Lake

Mel 3, Mel 4 Water Sampling Locations (Greywater)

CaCl Storage

Camp

Bulk Fuel (Jet A)

Drum Storage (Full JetB, JetA)

Operations Pad

Inset

Primary Containment

Services Pad

Overburden Storage

Portal

Commercial Lease (KVCL1021168)

Explosives Magazines

Peanut Lake

Bulk Fuel (P-50)

Road

Underground Workings

Exploration Drift 70 m below surface

Exploration Drift 120 m below surface

0 200 400

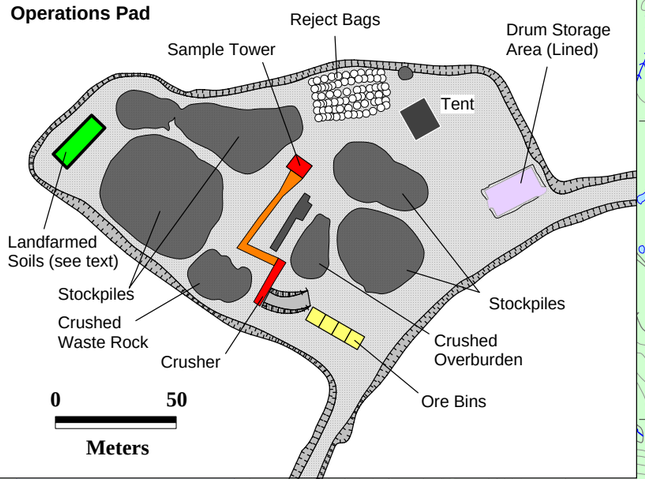
Meters

Scale: 1:10,000

Grid: NAD83 Z15 6988000 m N

C.I. = 1 m

Operations Pad



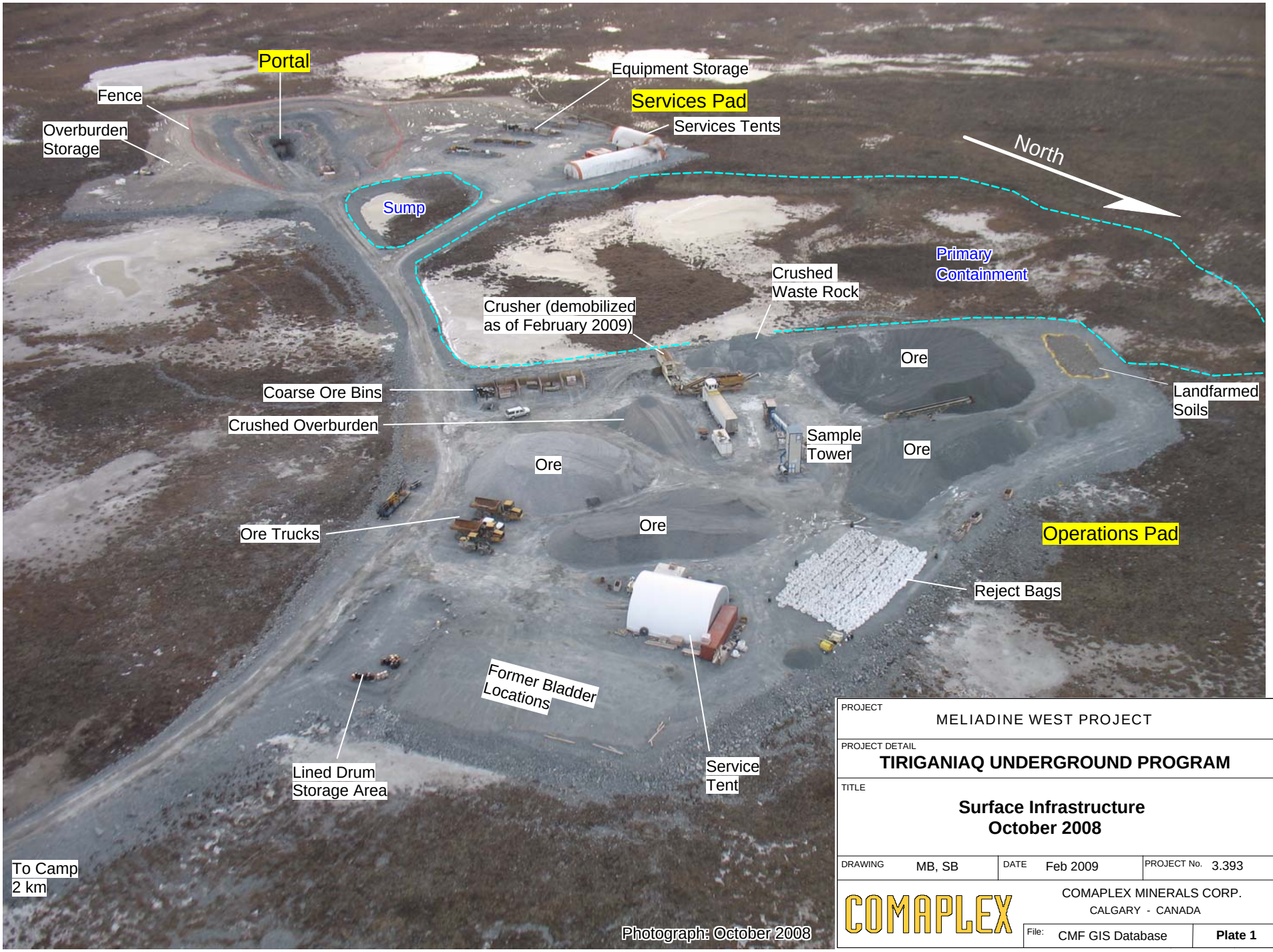
Pump

Pump Lake Water Supply (Mel-2) (Summer and thin ice) 539915 mE, 6987805 mN

Pump Lake

Pump Lake Water Supply (Winter) 539993 mE, 6987565 mN

PROJECT	MELIADINE WEST PROJECT
PROJECT DETAIL	TIRIGANIAQ UNDERGROUND PROGRAM
TITLE	2008 ANNUAL WATER REPORT SITE PLAN
DRAWING MB, SB	DATE Feb 2009 — PROJECT No. 3.393
COMAPLEX	COMAPLEX MINERALS CORP. CALGARY - CANADA
File: CMF GIS Database	Figure 1



PROJECT
MELIADINE WEST PROJECT

PROJECT DETAIL
TIRIGANIAQ UNDERGROUND PROGRAM

TITLE
Surface Infrastructure October 2008

DRAWING	DATE	PROJECT No.
MB, SB	Feb 2009	3.393

COMAPLEX

COMAPLEX MINERALS CORP.
CALGARY - CANADA

File: CMF GIS Database | **Plate 1**

The major milestones achieved in 2007-2008 for the project are as follows:

1. **Initiation of excavation for underground portal – August 8, 2007**
2. **Initiation of underground ramp excavation – October 2007**
3. **Initiation of bulk sampling – March 2008**
4. **End bulk sampling program – late August, 2008**

Plate 2 illustrates aspects of the underground program.

A summary of the excavated volumes is given in Table 1 below:

Table 1.2: Summary of Volumes

	tonnes	cubic meters	*SG
Overburden Portal	25,890	12,945	2
Waste Rock Portal	17,609	6,289	2.8
Waste Rock Decline	82,328	29,403	2.8
Ore	25,521	8,710	2.93
Total Rock	125,458	44,402	

* - SG - specific gravity

Figure 1 and Plate 1 show the surface configuration and underground development that correspond to the volumes listed in Table 1.1.

Total rock volumes are similar to that anticipated in the Waste Rock and Ore Storage Management Plan (August, 2007). This document lists ore volumes of 12,860 tonnes. The actual ore volumes excavated are larger than the anticipated number. Some of this discrepancy can be explained by the fact that rock originally calculated as waste in the planning phase was processed through the bulk sample process as ore. As well, some of the drifts were wider than anticipated during the planning phase. Lastly, small additions to the planned drifts were excavated. Total volumes of ore plus waste are less than the 57,000 cubic meters authorized in water license 2BB-MEL0709.

Table 1.2 below summarizes expenses for the calendar year 2008. Comaplex spent more than $30 million dollars in 2008 completing the bulk sample and related work on the property. Of this, almost 10% ($2.8 million) was spent directly within the community of Rankin Inlet on local employees payroll (18 local employees in 2008) or with local businesses and consultants (goods and services from 14 local businesses and consultants). A further 10.9 percent of the total was spent with northern based companies, some of them Inuit owned. The total amount spent within Rankin Inlet and with northern companies is more than $6 million dollars or about 20% of the total 2008 expenditures. Comaplex also assisted 3 search and rescue operations in the Rankin Inlet area supplying considerable helicopter time.

2A: Overburden Removal - August 8, 2007
Camp in Background

2B: Airtrack Drilling - Portal Boxcut - October 2007

2C: Scoop Tram at Portal

2D: Travelling down decline, ventilation at left

2E: Loading a new face with explosives for blasting

2F: Visible Gold in Quartz Vein from underground

COMAPLEX MINERALS CORP

PLATE 2: 2008 NIRB
and Water Board Report
Site Photographs

Table 1.2 2008 Project Expenditures

Category	Total	Inuit and Rankin Inlet	Northern or Nunavut Partnership	Principal Beneficiary
SALARIES	$1,483,215	$391,436		Various
EXPEDITING, STORAGE	$137,095	$79,286		M and T Enterprises
CONSULTING	$1,996,643	$33,567	$50,336	Golder, Outcrop
GROCERIES/MEALS	$456,958		$452,913	Northwest Company
HELICOPTERS, AIRLINES	$2,026,469	$11,629	$248,642	Heli-Transport, Cdn North
ACCOMMODATION	$32,768	$15,000		Various
FUEL	$4,117,798	$731,472		NTCL, PPD
CAMP PURCHASES, RENTALS	$811,196	$60,402	$29,172	
FREIGHT	$2,101,529	$1,514,189	$221,699	Canadian North, M and T
MAINTENANCE GENERAL (CAMP)	$30,710	$29,575		Various Rankin Inlet
CAT/ROAD WORK	$2,504,496		$2,241,950	M and T/ Nuna
DIAMOND DRILLING	$4,086,164			Boart Longyear
GEOCHEMISTRY	$896,985			TSL, SGS Laboratories
TELECOMMUNICATIONS	$48,362		$1,750	Aurora Telnet
UNDERGROUND MINING	$9,245,457	$250	$29,172	JS Redpath
MISC	$6,793	$40		
LAND FEES	$107,634	$19,664		INAC, KIA, NTI
Totals	$30,090,272	$2,886,511	$3,275,634	
Percent of Total	100	9.6	10.9	
Percent Rankin + Northern	20.5			

The **Work Plan for 2009** is dependent on results that are being received at the present time and that are still being evaluated. The bulk sample program results confirmed important aspects of the concentration and continuity of gold at the site. A favourable Preliminary Assessment (Scoping Study, MICON, 2009) of the project is now available. The site will be on care and maintenance until the late spring or early summer 2009. We are currently finalizing the work plan for 2009 and have provided a provisional work plan in Appendix 5. The provisional 2009 work plan includes the following elements:

1. Completion of between 12,000 and 25,000 meters of diamond drilling.
2. Continued monitoring and reporting.
3. Commissioning of a waste water treatment system.
4. Continued environmental assessment with Golder Associates.
5. Continued ARD assessment including the establishment of field and kinetic tests.
6. Clean-up of the CWM cache site (Figure 1).

2.0 Water License, Monthly and Annual Water Use

The water license history is given below:

Feb. 23, 2007 – Water License 2BE-MEL0709 issued by NWB – Exploration – 80 cubic meters / day

Aug. 2, 2007 – License Amendment – 2BB-MEL0709 – Bulk Sample - additional 10 cubic meters / day requested

Dec. 2, 2008 – License Amendment – 2BB-MEL0709 – amendment to allow the construction of fuel retention berm for bladders at our fuel storage facility

Water use by the project from October 2007 through the end of December 2008, is summarized in Table 2.1. These numbers were derived by recording the number of times the water storage tanks at both the camp and the underground exploration site are filled. For diamond drills, consumption is based on the stated rate of pumping of the water pumps that provide water to the drills. These records show that average daily consumption in months when diamond drilling was not occurring was less than 10 cubic meters per day. With 3 drills operating, consumption approached but did not exceed the permitted limit of 90 cubic meters per day.

Table 2.1: Summary of Water Use 2008

	Water Use Totals (m3)				
Month	Camp	Portal	Drilling	Daily Avg	Notes
Oct-07	84	11		5.6	Initiate Bulk Sample Program
Nov-07	130	102		7.8	
Dec-07	115	53		5.6	
Jan-08	145	37		5.9	
Feb-08	146	102		8.5	
Mar-08	172	108		9.0	
Apr-08	191	149	725	34.4	1 drill Apr 6-27, then 2 drills
May-08	201	153	1550	61.4	2 drills for 31 days
Jun-08	205	136	2050	79.7	2 drills for 30 days, third drill for 20 days
Jul-08	216	96	2325	85.1	3 drills for 31 days
Aug-08	148	29	2325	80.7	3 drills for 31 days, end UG program
Sep-08	86		2025	68.1	1 drill 31 days, 1 drill 21 days, 1 drill 29 days
Oct-08	55.8		75	4.2	Drilling finished October 3
Nov-08	48			1.5	Maintenance
Dec-08	48			1.5	Maintenance
	1992	976	11075	m3	Program Totals
			14043	m3	Grand Total Oct 2007 - Dec 2008
	1662	810	11075	m3	2008 Totals
			13547	m3	Grand Total Jan 2008 - Dec 2008

3.0 Monitoring Data:

Water sample locations are shown on Figure 2. The results of regular sampling of these and other sites can be found in the monthly reports to the Water Board that are compiled in Appendix A along with the laboratory data sheets. Locations MEL 1 through MEL 4 are mandated by the terms and conditions of water license 2BB-MEL0709. An additional mandated site (MEL-5, not shown on Figure 2) was added through the water license amendment dated August 2, 2008 and was meant to monitor discharge from the area within the fuel retention berm at the bulk fuel facility. This facility has yet to be constructed and consequently no water monitoring results are available nor required at this time.

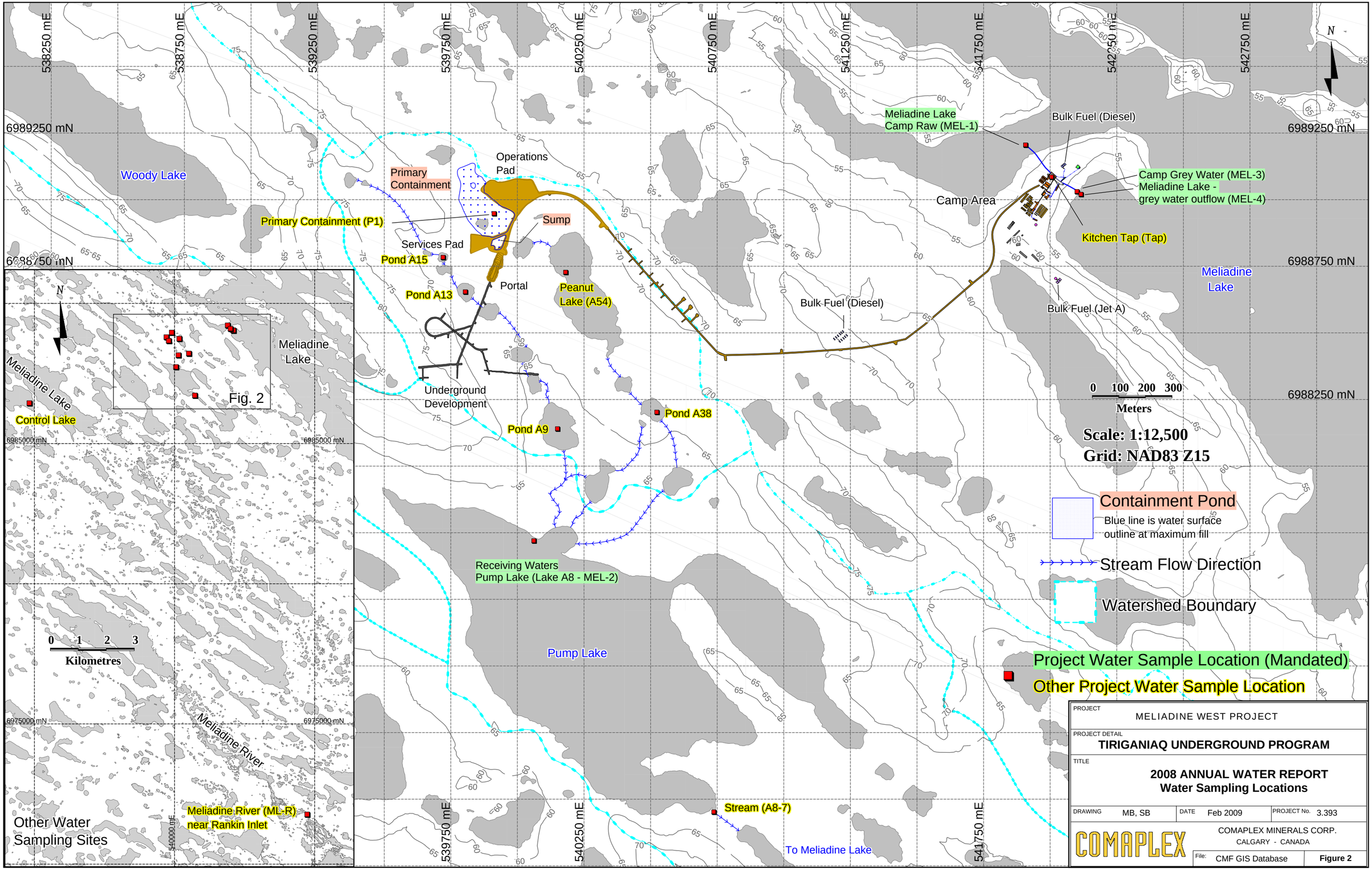
In Appendix 1, discharge criteria are supplied by **the "Metal Mining Effluent Regulations" SOR/202-222, June 6, 2002 (Amendment, Oct 18, 2006)**. The results are also compared to **Canadian Council of Ministers of the Environment (CCME) Water Quality Guidelines for the protection of aquatic life (1999, updated December 2007)**. All field and analytical results are tabulated in Appendix 1 along with the original laboratory sheets. Table 3.1 is a subset of the 2008 data from Appendix 1 showing results discussed below.

Much of the concern with regard to water quality revolves around the concentrations of the Nitrogen compounds ammonia, nitrates and nitrites in surface waters surrounding the development site. Ammonia, nitrates and nitrites were measured at elevated levels exceeding CCME protection of aquatic life criteria in pond A54 (Peanut Lake), pond A38 and within the primary containment area (P1). Ammonia is detailed in a fact sheet published by CCME (2000) that shows that acceptable levels are a strong function of pH and water temperature such that all samples collected in October 2008, with water temperatures approaching 0° C, meet the protection of aquatic life criteria (see Table 3.2). The elevated levels of nitrogen compounds probably reflect explosives residues from portal excavation operations and fertilizer used to rehabilitate drill sites and can be expected to diminish with time. There is no evidence that nitrogen compounds are impacting the “Receiving Environment (Lake A8, Pump Lake)”.

Table 3.2: Water Quality Guidelines for Total Ammonia as N in mg/L as a function of pH and Temperature (converted). Calculated from CCME (2000) – Ammonia as NH3 x 0.8 = Ammonia as N.

		pH							
		6	6.5	7.0	7.5	8.0	8.5	9.0	9.5
Temp Celsius	0	184.80	58.40	18.48	5.86	1.86	0.60	0.20	0.03
	5	122.40	38.64	12.24	3.87	1.23	0.40	0.14	0.03
	10	81.60	25.92	8.24	2.61	0.83	0.27	0.10	0.02
	15	55.76	17.60	5.58	1.78	0.57	0.19	0.07	0.02
	20	38.40	12.16	3.86	1.23	0.40	0.14	0.05	0.02
	25	26.80	8.48	2.70	0.86	0.28	0.10	0.04	0.02
	30	18.96	6.00	1.91	0.61	0.20	0.08	0.03	0.02

- values outside shaded area should be used with caution
- range of conditions observed Oct. 13 - 14 / 2008 (Table 1)
- spring and summer conditions (Appendix 1)



PROJECT
MELIADINE WEST PROJECT

PROJECT DETAIL
TIRIGANIAQ UNDERGROUND PROGRAM

TITLE
2008 ANNUAL WATER REPORT
Water Sampling Locations

DRAWING	DATE	PROJECT No.
MB, SB	Feb 2009	3.393

COMAPLEX

COMAPLEX MINERALS CORP.
CALGARY - CANADA

File: CMF GIS Database

Figure 2

COMAPLEX
MINERALS CORP

Table 3.1: Summary of some parameters reported in Appendix 1 (Page 1)

SampleID	Lab_Report	UTM_E	UTM_N	Sample_Date	Sample_Time	pH_Field	Temp_Field	Ammon_N_mgL	As_mgL	Chloride_mgL	Cu_mgL	Fe_dissol_mgL	Mn_mgL	Fecal_Col_CFU_100ml
CCME Prot Aq								see table	0.005		.002-.004	0.3		0
CCME Drinking									0.025	250	1	0.3	0.05	0
MMER						6.0-9.5			0.5		0.3			
A13	L650400	539828	6988676	30-Jun-08	16:50	8.04	9.4	<0.05	0.0036	191	0.002	0.303	0.012	
A13	L969317	539828	6988676	13-Oct-08	14:57	6.97	1.8	<0.05	0.0032	451	0.002	0.466	0.077	
A15	L650400	539732	6988798	30-Jun-08	17:04	6.94	9.8	<0.05	0.0012	98	<0.001	0.216	0.005	
A15	L969317	539732	6988798	13-Oct-08	14:50	6.81	1.2	<0.05	0.0033	498	0.002	1.07	0.084	
A38	L650400	540500	6988254	30-Jun-08	15:03	8.08	8.7	0.76	0.0028	165	0.002	0.083	0.008	
A38	L969317	540500	6988254	13-Oct-08	16:35	7.62	1	1.02	0.0031	325	0.002	0.029	0.005	
A54	L636726	540135	6988794	30-May-08	12:50	7.76	4.9	2.56	0.0023	88	0.001	0.011	0.002	
A54	L650400	540135	6988794	30-Jun-08	16:03	8.13	9.4	2.17	0.0026	191	0.001	0.028	0.003	
A54	L672351	540135	6988794	19-Aug-08	16:55	8.29	14.1	1.51	0.0031	309	0.001	0.040	0.004	
A54	L969317	540135	6988794	13-Oct-08	15:26	7.3	1.4	2.16	0.0039	422	0.002	0.076	0.018	
A8-7	L650400	540748	6986690	01-Jul-08	14:05	7.58	13.8	<0.05	0.0014	16	<0.001	0.080	0.006	
A8-7	L969317	540748	6986690	14-Oct-08	13:55	7.04	0.2	<0.05	0.0015	25	<0.001	0.026	0.002	
X8-7	L650400	540748	6986690	01-Jul-08	14:15	7.56	13.8	<0.05	0.0014	16	<0.001	0.073	0.005	
A9	L650400	540194	6988142	30-Jun-08	14:45	7.98	8.5	<0.05	0.0036	186	0.002	0.151	0.010	
A9	L969317	540194	6988142	13-Oct-08	16:21	7.83	0.8	<0.05	0.0036	370	0.002	0.120	0.009	
CONTROL	L650400	535001	6986333	01-Jul-08	13:55	7.19	8.4	<0.05	<0.0004	6	<0.001	0.017	0.002	
CONTROL	L969317	535001	6986333	14-Oct-08	14:05	6.79	0.3	<0.05	0.0004	8	0.001	0.020	0.002	
MEL1	L650400	541934	6989173	30-Jun-08	13:00	7.04	4.8	<0.05	<0.0004	7	<0.001	0.017	0.003	<1
MEL1	L672351	541934	6989173	19-Aug-08	14:50	7.27	14.4	<0.05	0.0004	7	0.003	0.046	0.008	1
MEL1	L969317	541934	6989173	14-Oct-08	11:10	6.3	-0.2	<0.05	<0.0004	7	<0.001	0.033	0.003	<1
MEL2	L650400	540681	6986702	30-Jun-08	14:30	7.3	8	<0.05	0.0013	17	<0.001	0.072	0.005	
MEL2	L672351	540681	6986702	19-Aug-08	18:25	7.83	14.5	<0.05	0.0024	19	<0.001	0.136	0.009	
MEL 2	L969317	540681	6986702	13-Oct-08	16:00	7.44	0.2	<0.05	0.0017	27	0.001	0.048	0.004	
MEL3	L650400	542083	6989004	30-Jun-08	11:10	7.4	5.8	1.34	0.0055	41	0.007	0.798	0.490	5000
MEL3	L672351	542083	6989004	19-Aug-08	15:30	7.55	14.7	3.22	0.0099	42	0.016	1.08	0.39	1600
MEL4	L650400	542092	6989012	30-Jun-08	11:01	7.24	2.4	<0.05	<0.0004	8	<0.001	0.029	0.004	<1
MEL4	L672351	542092	6989012	19-Aug-08	15:20	8.41	14.2	<0.05	0.0006	8	0.001	0.044	0.005	19
MEL 4	L969317	542092	6989012	14-Oct-08	11:45	6.7	0	<0.05	<0.0004	7	<0.001	0.021	0.002	1
ML-R	L650400	544778	6971712	01-Jul-08	13:15	7.01	6.3	<0.05	0.0004	10	0.001	0.260	0.007	
ML-R	L969317	544778	6971712	14-Oct-08	14:15	6.83	-0.1	<0.05	<0.0004	19	0.001	0.035	0.002	
KITCHEN - TAP	L650400	542006	6989084	30-Jun-08	12:40	7.18	11.4			6				<1
TAP	L672351	542006	6989084	19-Aug-08	20:45	7.01	17.5		<0.0004	7	0.007	0.150	0.001	<1
TAP	L969317	542006	6989084	14-Oct-08	11:27	6.9	11.1			7				<1
PRIMARY 1	L636726	539901	6988966	30-May-08	11:20	7.2	5.7	2.40	0.0039	69	0.001	0.028	0.004	
P1	L650400	539901	6988966	30-Jun-08	16:15	8.15	9.8	2.53	0.0117	114	0.002	0.062	0.044	
P1	L672351	539901	6988966	19-Aug-08	16:45	8.08	15.5	11.2	0.0288	434	0.002	0.168	0.076	
P1	L969317	539901	6988966	13-Oct-08	15:15	7.24	0.4	5.73	0.0036	172	0.003	0.089	0.039	
PRIMARY 2	L636726	539952	6988927	30-May-08	14:15	7.64	2.9	1.57	0.0055	72	0.002	0.021	0.081	

Field Duplicate (A8-7)

Ammonia — See table in text (CCME 2000), criteria strong function of pH and temperature

COMAPLEX MINERALS CORP

Table 3.1: Summary of some parameters reported in Appendix 1 (Page 2)

SampleID	Lab_Report	UTM_E	UTM_N	Sample_Date	Sample_Time	pH_Field	Temp_Field	Nitra_N_mgL	Nitri_N_mgL	O_and_G_mgL	Phos_tot_mgL	TDS_calc_mgL	TSS_mgL	Turb_NTU	Zn_mgL
CCME Prot Aq								2.9	0.06		0.03		29		0.03
CCME Drinking								10	3.2			500		1	5
MMER						6.0-9.5							15		0.5
A13	L650400	539828	6988676	30-Jun-08	16:50	8.04	9.4	<0.1	<0.05		<0.02	380	<3	1.3	0.029
A13	L969317	539828	6988676	13-Oct-08	14:57	6.97	1.8	<0.1	<0.05		<0.02	757	<3	2.4	0.026
A15	L650400	539732	6988798	30-Jun-08	17:04	6.94	9.8	<0.1	<0.05		<0.02	179	<3	0.40	<0.002
A15	L969317	539732	6988798	13-Oct-08	14:50	6.81	1.2	<0.1	<0.05		<0.02	846	5	5.3	0.036
A38	L650400	540500	6988254	30-Jun-08	15:03	8.08	8.7	4.0	0.07		<0.02	386	<3	0.50	0.032
A38	L969317	540500	6988254	13-Oct-08	16:35	7.62	1	5.2	0.08		<0.02	682	<3	0.55	0.046
A54	L636726	540135	6988794	30-May-08	12:50	7.76	4.9	4.0	0.09		<0.02	219	<3	2.0	0.014
A54	L650400	540135	6988794	30-Jun-08	16:03	8.13	9.4	6.1	0.17		<0.02	439	<3	<0.1	0.031
A54	L672351	540135	6988794	19-Aug-08	16:55	8.29	14.1	7.4	0.16		<0.02	622	<3	0.55	0.030
A54	L969317	540135	6988794	13-Oct-08	15:26	7.3	1.4	9.2	0.23		<0.02	865	15	1.3	0.059
A8-7	L650400	540748	6986690	01-Jul-08	14:05	7.58	13.8	<0.1	<0.05		<0.02	54	<3	<0.1	0.029
A8-7	L969317	540748	6986690	14-Oct-08	13:55	7.04	0.2	<0.1	<0.05		<0.02	81	<3	0.35	0.070
X8-7	L650400	540748	6986690	01-Jul-08	14:15	7.56	13.8	<0.1	<0.05		<0.02	54	4	<0.1	0.029
A9	L650400	540194	6988142	30-Jun-08	14:45	7.98	8.5	<0.1	<0.05		<0.02	366	<3	0.45	<0.002
A9	L969317	540194	6988142	13-Oct-08	16:21	7.83	0.8	<0.1	<0.05		<0.02	646	4	1.3	0.053
CONTROL	L650400	535001	6986333	01-Jul-08	13:55	7.19	8.4	<0.1	<0.05		<0.02	30	<3	<0.1	0.030
CONTROL	L969317	535001	6986333	14-Oct-08	14:05	6.79	0.3	<0.1	<0.05		<0.02	41	<3	0.35	0.044
MEL1	L650400	541934	6989173	30-Jun-08	13:00	7.04	4.8	<0.1	<0.05	<1	<0.02	31	<3	<0.1	0.033
MEL1	L672351	541934	6989173	19-Aug-08	14:50	7.27	14.4	<0.1	<0.05	<1	<0.02	32	<3	0.25	0.025
MEL1	L969317	541934	6989173	14-Oct-08	11:10	6.3	-0.2	<0.1	<0.05	<1	<0.02	30	<3	0.60	0.029
MEL2	L650400	540681	6986702	30-Jun-08	14:30	7.3	8	<0.1	<0.05	<1	<0.02	53	<3	0.15	<0.002
MEL2	L672351	540681	6986702	19-Aug-08	18:25	7.83	14.5	<0.1	<0.05	<1	<0.02	64	<3	0.70	<0.004
MEL 2	L969317	540681	6986702	13-Oct-08	16:00	7.44	0.2	<0.1	<0.05	<1	<0.02	82	<3	0.65	0.123
MEL3	L650400	542083	6989004	30-Jun-08	11:10	7.4	5.8	<0.1	<0.05	7	4.19	381	10	2.8	0.077
MEL3	L672351	542083	6989004	19-Aug-08	15:30	7.55	14.7	0.3	<0.05	2	2.87	390	39	19	0.079
MEL4	L650400	542092	6989012	30-Jun-08	11:01	7.24	2.4	<0.1	<0.05	<1	0.02	33	3	<0.1	0.026
MEL4	L672351	542092	6989012	19-Aug-08	15:20	8.41	14.2	<0.1	<0.05	<1	0.02	34	<3	0.65	0.020
MEL 4	L969317	542092	6989012	14-Oct-08	11:45	6.7	0	<0.1	<0.05	<1	<0.02	31	3	0.35	0.024
ML-R	L650400	544778	6971712	01-Jul-08	13:15	7.01	6.3	<0.1	<0.05		<0.02	43	22	2.4	0.035
ML-R	L969317	544778	6971712	14-Oct-08	14:15	6.83	-0.1	<0.1	<0.05		<0.02	68	<3	0.95	0.070
KITCHEN - TAP	L650400	542006	6989084	30-Jun-08	12:40	7.18	11.4	<0.1	<0.05			27		0.30	
TAP	L672351	542006	6989084	19-Aug-08	20:45	7.01	17.5	<0.1	<0.05			30	<3	0.65	0.011
TAP	L969317	542006	6989084	14-Oct-08	11:27	6.9	11.1	<0.1	<0.05			37	<3	0.60	
PRIMARY 1	L636726	539901	6988966	30-May-08	11:20	7.2	5.7	2.0	0.09		0.02	185	<3	2.2	0.008
P1	L650400	539901	6988966	30-Jun-08	16:15	8.15	9.8	2.6	0.21	<1	<0.02	344	5	1.0	0.029
P1	L672351	539901	6988966	19-Aug-08	16:45	8.08	15.5	5.9	0.30	<1	<0.02	898	4	1.8	0.004
P1	L969317	539901	6988966	13-Oct-08	15:15	7.24	0.4	7.6	0.22	<1	<0.02	486	<3	1.2	0.036
PRIMARY 2	L636726	539952	6988927	30-May-08	14:15	7.64	2.9	2.1	0.09		0.06	203	44	40	0.004

Field Duplicate (A8-7)

Ammonia — See table in text (CCME 2000), criteria strong function of pH and temperature

The camp grey water sampling location (MEL-3) in a wetland environment environment shows persistent elevated concentrations of ammonia, fecal coli forms, phosphorus, the metals copper, zinc and arsenic as well as elevated total suspended solids, total dissolved solids and turbidity values. The waste water management systems in place at the Meliadine Camp (incineration of black water, wetland treatment of greywater) have been in place for a number of years. Comaplex will be replacing these systems during the summer of 2009. A wash car with flush toilets and a Biodisk wastewater treatment system has been purchased and has been moved to camp (see schematic drawings Appendix 2). The new system will become operational during the summer months. Installation is expected to be as per Figure 3. Design effluent criteria for the Biodisk water treatment plant are:

- Biological Oxygen Demand (BOD) – 15 mg/L
- Total Suspended Solids (TSS) – 15 mg/L
- Phosphorus – 1 mg/L
- Fecal Coli forms – 200 per 100 ml
- Temperature of effluent – 10 °C

Chloride, total dissolved solid and turbidity analyses are high in the October 2008 dataset near the Tiriganiaq gold deposit. This reflects impacts from salty drill waters during late season drilling near the ponds sampled, and is typical for this time of year.

4.0 Water Supply and Waste Disposal Systems.

Comaplex operated two water supply pumps (Figure 2), one on Meliadine Lake servicing the camp site (site MEL 1, see also Figure 3) and one on Pump Lake that provides water for activities in the vicinity of the portal for the underground exploration program (site MEL 2). Details on withdrawal rates from these sites are provided in Table 2.1.

The pump at MEL-1 (Figure 3) is electric and operates off the main camp power supply. An insulated pipe carries water to four storage tanks with a combined capacity of about 5 cubic meters. Water is distributed through the kitchen and dry facility via a pressurized system of plastic piping. The waste water streams from the kitchen, dry and wash cars will be directed to the Biodisk treatment system before exiting to an upgraded sump and wetland. This system should be operational in the summer of 2009.

The pump at MEL-2 is gasoline powered and connected to the portal area with a flexible hose system. During the Bulk Sample Program, tanks at the portal facility were periodically filled using this pump. The pump at MEL-2 can also serve diamond drills during the spring when the smaller ponds are frozen. During summer months, it is more convenient to use the smaller ponds as a water source for the diamond drills.

Comaplex has initiated a **Waste Management Plan (June 2007)** that incorporates the following objectives;

- Minimization of the creation of dioxin and furan compounds through the separation of plastic wastes and their elimination from the incinerated wastes.
- Elimination of potential mercury sources from the incinerated wastes.
- Separation and elimination of waste oils and oil stained materials from the incinerated wastes.
- Segregation and elimination of industrial and household hazardous wastes from the incinerated wastes.

The **Waste Management Plan (June 2007)** will be updated to reflect the new wastewater treatment system.

Table 4.1 lists the barrels of drummed waste oil delivered to Oomilik Enterprises, Rankin Inlet, Nunavut as well as hazardous products drummed for delivery to Enviro West Inc. of Winnipeg, Manitoba. The hazardous products will be shipped during the summer of 2009. About 5 drums of waste antifreeze and waste rags and oil filters have been collected. Twenty four drums of waste oil have been delivered to Oomilik Enterprises. Table 4.2 lists waste products delivered to the landfill in Rankin Inlet. About 630 drums (129,121 litres) of waste materials were delivered in 2008. Table 4.2 breaks down the waste products into individual categories.

Table 4.1: Summary of Waste Oil and Drummed Hazardous Materials - 2008

General Description	Source	Date	Transport	*BBLs
Drummed Waste Oil	Redpath	16-Mar	Sled to Rankin	8
Drummed Waste Oil	Nuna	22-Jun	Sling to Rankin	3
Drummed Waste Oil	Nuna / Redpath	16-Jul	Sling to Rankin	7
Drummed Waste Oil	Nuna	23-Jul	Sling to Rankin	4
Drummed Waste Oil	Nuna / Redpath	02-Oct	Sling to Rankin	2
			****Total Waste Oil**	**24**
Drummed Waste Antifreeze	Nuna / Redpath	02-Oct	Sling to Rankin	1
Drummed Used Oil Filters	Nuna	16-Jul	Sling to Rankin	3
Drummed Used Oil Filters	Nuna / Redpath	02-Oct	Sling to Rankin	1
			*****Total Other Drummed Waste**	**5**

* - Barrel or estimated barrel equivalent

** - shipped to Rick Strickland - Oomilik Enterprises Ltd., Rankin Inlet, NU

*** - awaiting backhaul to Enviro West Inc. Winnipeg - summer 2009

WASTE OIL PROCESSOR
Oomilik Enterprises, Rankin Inlet, Nunavut
Rankin Inlet, Nunauvt
X0C 0G0
Phone: 867-645-2272

HAZARDOUS WASTE PROCESSOR
Enviro West Inc. Winnipeg
1090 Kenaston Blvd.
Winnipeg, MB
R3E 0R7
Phone: (204) 987-9600
Toll - Free: 1-888-ENV-WEST
Fax: (204) 987-9601
See **www.environwestinc.com**

PROJECT
MELIADINE WEST PROJECT

PROJECT DETAIL
TIRIGANIAQ UNDERGROUND PROGRAM

TITLE
2008 ANNUAL WATER REPORT
Camp Infrastructure - Planned Upgrades

DRAWING	MB, SB	DATE	Feb 2009	PROJECT No.	3.393

COMAPLEX
COMAPLEX MINERALS CORP.
CALGARY - CANADA

File: CMF GIS Database | **Figure 3**

541900 m E
542000 m E
Camp Water Supply (MEL-1)
Pump Location
Sampling Location
Heating Fuel
Incinerator
Inset
6989100 m N
Sleeping Tents
Generators
Patterned Area: Commercial Lease
Greywater (MEL-3)
Greywater Outfall (MEL-4)
Office
Road to Portal
Workshops
6989000 m N
Logging Facility
0 50 100
Meters
Core Racks
Scale: 1:2,500
Grid NAD83 Z15
Elev: MASL
General Storage
Helicopter Pad
6988900 m N
Drill Equipment
Jet A Tanks
Wastewater Treatment (Biodisk)
Wash Car
Positioned February 2009

Inset
Showers/Laundry
Electrical
Kitchen
Pre-treatment Wastewater Collection Well
Generators
Fresh Water Overflow
Wastewater Treatment (Biodisk)
Upgraded Sump
Wetland
Wash Car
Gravel Walkway

COMAPLEX
MINERALS CORP

Table 4.2: Summary of Shipments to Rankin Inlet Landfill (Page 1)

No.	General Description	Source	Type	%	Date	*BBLs	Barrel / Barrel Equivalent Total							
							Metal	Wood	Paper	Plastics	Household	Ashes	Cuttings	Other
2	Sea-cans from Redpath service pad (~176 b/beq) (container dim 2.4x2.4x6.1m = 35.136m3 (~35,136L))		Estimated Total Barrels - 176											
		Redpath	metal	20%	28-Jan	BE	35.2							
	(approx 1/2 full each)	Redpath	wood	30%	28-Jan	BE		52.8						
		Redpath	paper / cardboard	25%	28-Jan	BE			44.0					
	**info from Redpath*	Redpath	plastics / rubber	25%	28-Jan	BE				44.0				
1	Sea-can from Redpath service pad (~88 b/beq)		Estimated Total Barrels - 88											
	(approx 1/2 full) - packed and ready Feb 5	Redpath	metal	20%	06-Feb	BE	17.6							
		Redpath	wood	30%	06-Feb	BE		26.4						
		Redpath	paper / cardboard	25%	06-Feb	BE			22.0					
	**info from Redpath*	Redpath	plastics / rubber	25%	06-Feb	BE				22.0				
1	Sea-can from Redpath service pad (~88 b/beq)		Estimated Total Barrels - 88											
	(approx 1/2 full) - packed and ready Feb 5	Redpath	metal	20%	28-Feb	BE	17.6							
		Redpath	wood	30%	28-Feb	BE		26.4						
		Redpath	paper / cardboard	25%	28-Feb	BE			22.0					
	**info from Redpath*	Redpath	plastics / rubber	25%	28-Feb	BE				22.0				
4	garbage bags	Comaplex	plastics	100%	30-Jan	BE				1.0				
1	garbage bags	Comaplex	metal cans	100%	30-Jan	BE	0.3							
3	garbage bags	Comaplex	metal cans	100%	13-Feb	BE	0.8							
3	garbage bags	Comaplex	metal cans	100%	14-Mar	BE	0.8							
6	garbage bags	Comaplex	plastics	100%	15-Mar	BE				1.5				
1	garbage bags	Comaplex	metal cans (kitchen)	100%	15-Mar	BE	0.3							
1	crate (4'x4'x8') - 3.6m3 (~3600L)	Redpath	plastic	100%	16-Mar	BE				17.6				
2	crates (4'x4'x8') - 3.6m3 (~3600L)	Redpath	metal strapping	100%	16-Mar	BE	17.6							
2	crates (3'x3'x14') - 3.6m3 (~3600L)	Redpath	plastic pipe, poly, vent tube	100%	16-Mar	BE				17.6				
12	garbage bags	Comaplex	household garbage	100%	21-Mar	BE					3.0			
15	garbage bags	Comaplex	household garbage	100%	28-Mar	BE					3.8			
4	garbage bags	Comaplex	plastics	100%	08-Apr	BE				1.0				

COMAPLEX MINERALS CORP

Table 4.2: Summary of shipments to Rankin Inlet Landfill (Page 2)

No.	General Description	Source	Type	%	Date	*BBLs	Barrel / Barrel Equivalent Total							
							Metal	Wood	Paper	Plastics	Household	Ashes	Cuttings	Other
4	wooden shipping crates	Nuna	plastics	33%	15-Apr	BE				6.7				
	(total 20 barrel equiv est)	Nuna	metal	33%	15-Apr	BE	6.7							
		Nuna	wood	33%	15-Apr	BE		6.7						
5	garbage bags	Comaplex	plastic bags	100%	07-May	BE				1.3				
4	garbage bags	Comaplex	plastic bags	100%	09-May	BE				1.0				
2	drums	Comaplex	ashes	100%	19-May							2.0		
4	drums	Comaplex	ashes	100%	21-May							4.0		
4	drums	Comaplex	ashes	100%	23-May							4.0		
8	drums	Comaplex	ashes	100%	27-May							8.0		
2	drums	Comaplex	ashes	100%	28-May							2.0		
4	drums	Boart	scrap metal	100%	30-May		4.0							
2	washer / dryer, 2 flattened drums, bag of plastics	Comaplex	washer / dryer, steel	100%	18-Jun	BE	3.0							
	(by sling and net)		bag of plastics	100%	18-Jun	BE				0.3				
2	drums	Comaplex	ashes	100%	18-Jun							2.0		
1	crate (4'x4'x8') - 3.6m3 (~3600L)	Comaplex	plastics	100%	19-Jun	BE				17.6				
1	crate (2'x4'x12') - 2.7m3 (~2700L)	Comaplex	bulky metals	100%	24-Jun	BE	13.2							
2	drums	Comaplex	rock cuttings	100%	28-Jun								2.0	
10	garbage bags	Comaplex	household garbage	100%	07-Jul	BE					2.5			
10	garbage bags	Comaplex	household garbage	100%	08-Jul	BE					2.5			
2	drums	Comaplex	ashes	100%	10-Jul							2.0		
20	garbage bags (net load)	Comaplex	household garbage	100%	13-Jul	BE					5.0			
8	barrel equivalents	Boart	metal	100%	11-Jul	BE	8.0							
2	barrel equivalents	Boart	metal	100%	13-Jul	BE	2.0							
2	barrel equivalents	Comaplex	ashes	100%	30-Jul	BE						2.0		
2	drums	Comaplex	ashes	100%	20-Jul							2.0		
1	drum	Comaplex	ashes	100%	06-Aug							1.0		
20	garbage bags	Comaplex	household garbage (17)	85%	07-Aug	BE					4.3			
			metal (3)	15%	07-Aug	BE	0.8							

COMAPLEX
MINERALS CORP

Table 4.2: Summary of shipments to Rankin Inlet Landfill (Page 3)

No.	General Description	Source	Type	%	Date	*BBLs	Barrel / Barrel Equivalent Total							
							Metal	Wood	Paper	Plastics	Household	Ashes	Cuttings	Other
12	garbage bags and small crate with plastics	Comaplex	household garbage	60%	10-Aug	BE					3.0			
	(total 5 barrel equiv est)	Comaplex	plastics	40%	10-Aug	BE				2.0				
1	drum	Comaplex	ashes	100%	10-Aug							1.0		
12	bags of old salt	Comaplex	salt	100%	11-Aug	BE								1.0
1	crate (2'x4'x12') - 2.7m3 (~2700L)	Comaplex	plastics	100%	15-Aug	BE				13.2				
10	garbage bags	Comaplex	household garbage	100%	18-Aug	BE					2.5			
1	crate (est - 4'x4'x4') - 1.8m3 (~1800L)	Comaplex	metal	100%	20-Aug	BE	8.8							
2	drums	Comaplex	ashes	100%	22-Aug							2.0		
2	drums	Comaplex	rock cuttings	100%	23-Aug								2.0	
1	drum	Comaplex	ashes	100%	29-Aug							1.0		
2	drums	Comaplex	ashes	100%	Sept							2.0		
2	drums	Comaplex	rock cuttings	100%	Sept								2.0	
1	crate (4'x4'x12') - 5.4m3 (~5400L)	Comaplex	plastics	100%	Sept	BE				26.3				
4	drums	Boart	scrap metal	100%	Sept		4.0							
1	crate (est - 4'x4'x4') - 1.8m3 (~1800L)	Redpath	metal	40%	26-Sep	BE	3.5							
			plastics	40%	26-Sep	BE				3.5				
			household garbage	20%	26-Sep	BE					1.8			
1	old canvas insulated tent	Comaplex	canvas material	100%	26-Sep	BE								1.0
2	drums	Comaplex	ashes	100%	02-Oct							2.0		
2	drums	Comaplex	scrap metal	100%	02-Oct		2.0							
2	drums	Comaplex	rock cuttings	100%	04-Oct								2.0	
4	drums	Boart	scrap metal	100%	08-Oct		4.0							
2	drums	Comaplex	rock cuttings	100%	11-Oct								2.0	
1	blue water tub	Comaplex	scrap metal	100%	Oct	BE	2.0							
2	drums	Comaplex	scrap metal	100%	14-Oct		2.0							
				Total BBLs			153.9	112.3	88.0	198.5	28.3	37.0	10.0	2.0
							Metal	Wood	Paper	Plastics	Household	Ashes	Cuttings	Other
										Grand Total BBLs 2008				**630**
										Grand Total Litres 2008				**129121**

* - BE - Estimated Barrel Equivalent

5.0 Unauthorized Discharges

Comaplex notes that in the terms and conditions of Water License 2BB-MEL709, Part D(7), Conditions Applying to Waste Disposal, a request is made to provide a sump for greywater at least 30 m from the normal high water mark of any water body unless another plan is approved by the Water Board. Comaplex had proposed in the **Water Management Plan (October, 2007)** that the greywater wetland area be allowed to function as per previous practice. This wetland is greater than 30 meters from the lake and at no time was greywater discharged directly into the lake.

Susbsequent to this correspondence, Comaplex purchased a waste water treatment system designed to meet the effluent criteria established in Water License 2BB-MEL0709. These systems are described elsewhere in this document. The effluent stream from the waste water treatment system will continue to use the wetland environment as all systems do. An upgraded and expanded sump will be included in the new infrastructure (see Figure 3).

6.0 Updates and Revisions to Submitted Plans

6.1 Abandonment and Restoration Plan (April 2008): A revised "stand-alone" abandonment and restoration plan was submitted in April 2008. The plan provides a step by step decommissioning and restoration plan and provides estimates for the completion of the work consistent with the existing bond held by the KIA.

6.2 Water Management Plan (June 2008): An updated Water Management Plan was submitted in June of 2008. The principle revision within the plan was to abandon plans to construct a containment berm to the south of Peanut Lake. The water board accepted Comaplex's argument that the primary containment area was sufficient to contain anticipated runoff.

6.3 Spill Contingency Plan (June 2008): Revisions to the Fuel Management and Spill Contingency Plan were submitted in June 2008. The principle revisions contained in the submission were:

- Product information regarding fuel bladders and the planned deployment of the bladders
- Details on the construction of the lined fueling area at the main bulk fuel facility
- Details on the construction of bermed areas on the operations pad and the deployment of 2 fuel bladders on the operations pad (these sites decommissioned later 2008)
- Details on the removal of petroleum impacted soils from the fueling area and their placement within a temporary land farming facility on the operations pad (see Figure 1)
- Presentation of a procedure for the management of large fuel spills

6.4 KIA Commercial Lease Amendment (September 2008): Comaplex requested in a letter dated September 3, 2008, that KIA Commercial Lease KVCL102J168 be expanded

to better reflect anticipated land use activities. Approval for the expanded commercial lease area was received via an email letter from the KIA on September 16, 2008. The expanded lease area of 217.1 Ha is shown on Figure 1.

6.5 KIA Work Plan Amendment (September 2008): Comaplex consulted with the KIA throughout the summer of 2008 regarding the deployment of fuel bladders and in August, Comaplex agreed to construct an engineered fuel retention berm for them (Figure 4). Comaplex submitted an amended work plan to the KIA and authorization to proceed with the proposed fuel retention berm construction was received in a letter dated January 23, 2009. The facility has yet to be constructed.

6.6 Water License Amendment 2 (December 2008): The agreement with the KIA regarding the proposed fuel retention berm construction (Figure 4) required an amendment to water license 2BB-MEL0709. The activity was authorized in a letter received from the water board on December 2, 2008. As part of the revised water license, mandated water sampling site MEL-5 was added the general conditions (Figure 4). Updated plans reflecting the new construction were also requested to be included in this annual report. The facility is unlikely to be constructed until the summer months and consequently Comaplex will submit updated plans after construction of the facility.

7.0 Inspections and Response

7.1 KIA Inspections and Response

KIA Inspection May 5, 2008: Mr Jackson Lindell and Mr Stephen Hartman completed a Petroleum Storage and Handling Site Inspection of the site on May 5, 2008. The purpose of the visit was to inspect fuel handling procedures and infrastructure in general and bladder installations in particular. The following observations were highlighted in the subsequent inspection report:

Jet A and Jet B Fuel Storage

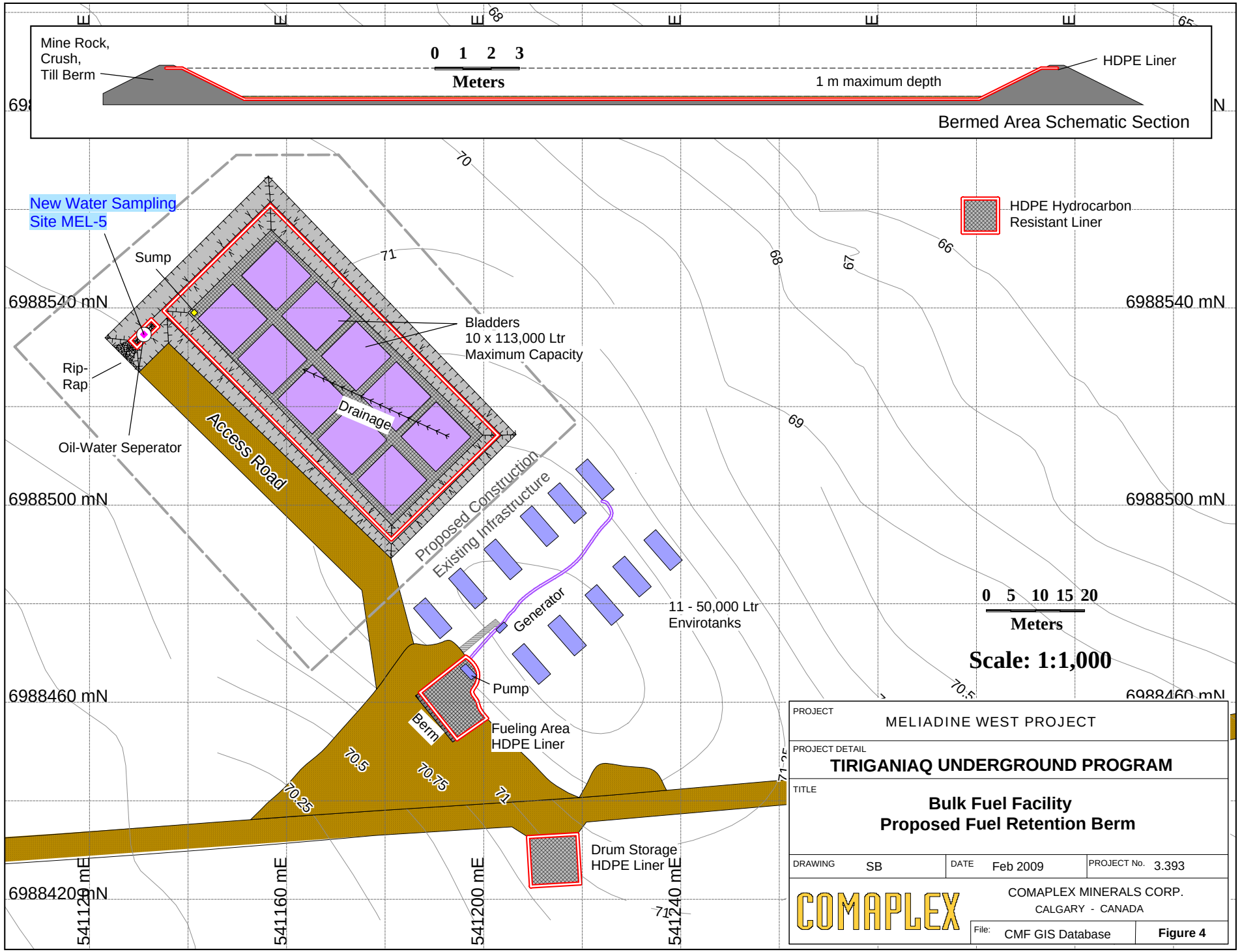
- An Enviro-tank cover was observed to be open and filled with ice
- Fuel spill-kit not in obvious location
- A drum near the drill equipment storage area was observed to be leaking

Bulk Fuel Storage Area on Esker

- Strong odours and visible sheen noted in refueling area, visible stain on tundra
- Soil in front of pump house appeared to be contaminated with fuel
- Fuel stains on walls of pump house and in snow
- Evidence of minor leaks and petroleum odours in area used as refueling station for Enviro-tanks

The following recommendations were made for the Bulk Fuel area

- Maintain appropriate secondary containment or curbing to contain accidental spills during refueling for all dispensing areas.



PROJECT	MELIADINE WEST PROJECT
PROJECT DETAIL	TIRIGANIAQ UNDERGROUND PROGRAM
TITLE	Bulk Fuel Facility Proposed Fuel Retention Berm
DRAWING	SB
DATE	Feb 2009
PROJECT No.	3.393
	COMAPLEX MINERALS CORP. CALGARY - CANADA
File:	CMF GIS Database
	Figure 4

- Covers for Enviro-tanks were open and exposed to the elements – regular inspections recommended
- Place fuel spill kits for easy access and flag for deep snow conditions
- Develop better handling procedures for bulk fuel resupply

Fuel Storage ad Portal/Staging Area

- Area prepared for bladder installation deemed acceptable

KIA Recommendations

- Conduct soils investigation in Bulk Fuel Storage area and develop remedial action plan
- Address leaking drum in drill equipment storage area

CMF Response to May 5, 2008 KIA Inspection:

Comaplex responded immediately to most of the inspectors comments regarding environtank covers, spill kits, and observed drips at fuel drums. In May of 2008, Comaplex installed a liner at its bulk fuel refueling station and excavated some hydrocarbon impacted soils at that time. Details of this work were reported in the addendum to the **Spill Response Plan** submitted in **June of 2008** including photographs of the undertaking. In addition, Comaplex placed the excavated soils on an impermeable liner on its nearby Operations Pad (Figure 1). This activity was conducted in consultation with the KIA and is discussed further below (see also photographs in Spill Response Plan, updated June 2008). Over the summer and in response to ongoing discussions, including the inspection of July 16, 2008 described below, the following specific actions were taken:

1. Comaplex has abandoned all fuel bladder sites and has received authorization from the KIA and the Nunavut Water Board to proceed with the construction of a fuel retention berm at its bulk fuel site as shown on Figure 4. Construction of this facility is expected during the summer of 2009.
2. Comaplex has purchased secondary containment for all of its heating fuel tanks that supply heating fuel to the camp tents. These units are in camp and will be installed in the spring and early summer of 2009.
3. Comaplex has purchased spill decks for the fueling stations where heating fuel is transferred to drums for distribution around camp and for the helicopter fueling station.
4. A Bulk Fuel Facility fueling procedure was included in the Spill Response Plan updated in June of 2008.

KIA Inspection July 16, 2008: Mr Jackson Lindell and Mr Stephen Hartman completed a site inspection on July 16, 2008 and their report includes a general description of site practices. In a general comment the inspectors expressed concern that in areas of multiple drill holes, better practices for the control of drill cuttings will be required. Specific recommendations listed in the inspection report are:

- Proper secondary containment required in Fueling and Re-Fueling areas (see response above)

- Drums used for refueling around camp must be on proper secondary containment (see response above)
- KIA and Comaplex to develop proper drill cuttings management practices (these discussions are ongoing)
- Comaplex to ensure to cut all casing and anchor rods to ground level at old drill sites (acknowledged)
- Comaplex to provide Acid Rock Drainage information to KIA (new data to be reported in March of 2009)
- Comaplex to report on status of planned upgrades to grey water/waste water treatment procedures and provide report on steps taken to alleviate problems (see discussion this document).

CMF Response to July 16, 2008 KIA Inspection:

Comaplex responded to the July 16, 2008 inspection comments in a letter dated September 18, 2008. Over the summer, concerns regarding fuel handling and secondary containment have been addressed and these responses are detailed above and in correspondence with both the water board and the KIA. We have kept the regulatory agencies regularly apprised of our planned upgrades to our waste water management system and look forward to the commissioning of our new system. Other concerns are discussed below.

Drill Cuttings Management: Comaplex's drill cuttings management practices continue to be discussed with the KIA. Comaplex does not allow cuttings to impact local water bodies. Comaplex is of the opinion, developed over 30 years of drilling experience in Arctic conditions, that the least destructive methodology involves allowing cuttings to fill natural depressions between tundra hummocks without interference. Attempts to direct or trap cuttings are possible locally but aggressive methods typically result in unsightly concentrations of cuttings in sinkholes with degraded permafrost and with low remediation potential. Over years, drill sites allowed to re-vegetate naturally and without intrusive cuttings management practices are difficult to distinguish from the undisturbed environment. This is principally an aesthetic issue when the drill sites are on land and away from water bodies. Comaplex will continue to deploy aquadams around drill sites to protect local water bodies and to prevent the unnecessary spread of cuttings away from drill sites. We will also continue to discuss the issue with the KIA to develop a mutually acceptable protocol.

Acid-Rock Drainage Information: Comaplex has retained Golder Associates Ltd. to conduct a thorough Acid Rock and Metal Leaching characterization of all materials associated with the potential development of the site. In the fall of 2008, 93 intervals of core were sampled to fully characterize the ARD properties of rock materials associated with the existing and potential future development. A report on this work is expected shortly but was not available at the time of writing. A program of field bench scale test and kinetic testing will be developed based on the results of this initial program.

Comaplex received a letter dated January 14, 2009 from the Water Board acknowledging the receipt of our **Waste Rock and Ore Storage Management Plan (August 2007)** and requesting revisions due March 15, 2009 (within 60 days) paraphrased as follows:

- An explanation of ARD testing results, testing methods and who performed the tests
- An explanation of Metal Leaching testing results, testing methods and who performed the tests
- Identification of the limits used to decide what rocks are considered safe for road construction
- Explanation of why waste rock was considered to be a modest risk for acid generation
- A schedule for waste rock pad inspection, who will perform the inspection and what the inspection involves
- Submission of as built design drawings for the ore and waste rock storage plans including a cross section….

Comaplex intends to provide a comprehensive update to the Waste Rock and Ore Storage Management Plan based on the requests listed in the Water Board letter of January 14, 2009 and the results of the major ongoing study being managed by Golder Associates Ltd. We do not expect to be able to furnish this update by the March 15, 2009 deadline as the report with arrive around the deadline date. We will keep the Water Board, the KIA and other regulators apprised of the progress of the Golder study.

7.2 INAC Inspections and Response

INAC Inspection August 6, 2008: Mr. Andrew Kiem conducted a site inspection on August 2, 2008 reporting in a letter dated August 13, 2008. Comaplex had requested that a field report be furnished to the company on the day of the inspection and a discussion of findings be undertaken immediately after the inspection. Mr. Kiem declined to furnish a field report or discuss findings claiming he did not have the adequate forms. A paraphrased summary of specific directives listed in the August 13, 2008 letter are:

- Within 30 days, cease urinating outdoors, provide plan to address this issue
- Within 30 days, install flow meters on the intake for all domestic and drilling uses of water
- Within 30 days, discontinue grey water discharge at current location and install means by which grey water will not be deposited directly into Meliadine Lake
- Within 30 days, provide report stamped by engineer detailing structural integrity of installed secondary containment currently in use…..
- Within 30 days, provide report detailing the capacity of secondary containment currently in use….
- Cease using 2 bladders currently in use until such time as the reports are submitted, reviewed and accepted by inspector.
- Install barrier devices and other adequate means to prevent accidental damage from mechanized vehicles prior to using bladders.

- Within 30 days, apply to the Nunavut Water Board for an amendment to allow for land farming activites or remove soils from site within same period.
- Provide results of all baseline sampling conducted in accordance with the issued Bulk Sampling license as per the Inspectors request during the period of inspection.

The inspector indicates that failure to comply constitutes an offence entailing upon conviction a fine of $100,000 and / or imprisonment for a term of one year.

Response to August 6, 2008 INAC Inspection:

Comaplex letter to the Minister – September 8, 2008

Comaplex addressed a letter to the office of the Honourable Chuck Strahl, Minister of Indian and Northern Development, dated September 8, 2008, requesting his office review the INAC inspectors directive of August 13, 2008. In Attachment A of this letter, reproduced in Appendix 3, all of the line items identified in the Inspectors Directive of are addressed. Specifically, points addressed in the attachment in Appendix 3 are:

1. **Urination** – Urination products are incinerated along with other allowable combustible wastes and will be part of the waste water stream directed to the treatment system mentioned in Section 3 and in point 1 above.
2. **Water Meters** – Comaplex has adopted alternative procedures as authorized by Water License 2BB-MEL0709.
3. **Sump/Wetlands Area** –Comaplex has purchased a wash car with flush toilets and a waste water treatment plant (see Figure 3, discussion section 3.0) to handle grey and black water from the camp. Installation and commissioning of the system will be a focus of activity during the summer of 2009. These plans have been in place since the spring of 2008. The winter of 2009 was the first opportunity to bring these units to camp.
4. **Instaberm Secondary Containment for Fuel Bladders –** All previous fuel bladder sites have been decommissioned. Comaplex is permitted to construct a fuel retention berm at its bulk fuel facility by water license 2BB-MEL0709 (see Figure 4). This is expected to be constructed during the summer of 2009.
5. See 4 above
6. See 4 above
7. **Barrier** – this facility has been decommissioned
8. **Contaminated Soil Land Farm** - An area of the Operations Pad (Figure 1) was set aside to accommodate the informal land farming of a small volume of hydrocarbon impacted soils identified by KIA inspectors during their inspection of May 5, 2008 and subsequently excavated during the construction of the lined and bermed refueling station at this facility (Figure 4). The soils were placed on an impermeable liner and turned weekly between June 15 and about July 31, 2008. In August of 2008, two samples of the soils were collected to test for hydrocarbon contaminants. The results (Table 7.1, Appendix 4 – Laboratory Report) for MELSOIL1 meet Residential/Parkland criteria established by the **Environmental Guideline for Site Remediation (2002)** and **Canada – Wide**

Standards for Petroleum Hydrocarbons (PHC) in Soil (CCME, 2001) and the second sample (MELSOIL2) indicates concentrations of some parameters near but still outside the limit of Residential / Parkland criteria. Because MELSOIL2 does not yet meet the criteria specifically, the soils were left in place and will be re-sampled in the summer of 2009 to confirm compliance before being used as construction fill. The site is adjacent to and drains into our primary containment area (Figure 1, Plate 1) and consequently regular monitoring of primary containment waters (P1 – Oil and Grease -Table 3.1) effectively monitors potential contaminant impacts from the land farm.

Table 7.1: Analyses of Land Farmed Soils

			Criteria		
ANALYTE	MELSOIL1	MELSOIL2	Residential/Parkland	Commercial	Guideline
Benzene	<0.005	<0.005	0.5	5	1
Toluene	<0.01	<0.01	0.8	0.8	1
Ethylbenzene	<0.01	<0.01	1.2	20	1
Xylenes	<0.02	<0.02	1	17	1
2-Bromobenzotrifluoride	97	103			
Hexatriacontane	84	83			
F1 (C6-C10)	<5	<5	30	320	2
F1-BTEX	<5	<5			
F2 (C10-C16)	100	220	150	260	2
F3 (C16-C34)	260	290	300	1700	2
F4 (C34-C50)	60	50	2800	3300	2
Total Hydrocarbons (C6-C50)	420	560	500	2500	1
Chromatogram to baseline at nC50	YES	YES			
% Moisture	14	15			
Lead (Pb)	10	9	140	260	1

Guideline 1 - Environmental Guideline for Site Remediation - Dept of Sust. Development Environmental Protection Service, Jan. 2002

Guideline 2 - Canada - Wide Standards for Petroleum Hydrocarbons (PHC) in Soil, CCME May 2001, rev Jan 2008 (fine grained soils)

This activity was discussed informally with the KIA during its implementation and it was recognized as a cost-effective mitigation strategy by both parties at that time. Nevertheless, land farming operations are not covered by the current water license and this has been brought to the attention of Comaplex Minerals Corp. An amendment was requested to allow for land farming these soils in September, 2008, however, the Water Board can only sanction such activities within an engineered facility. We will resample the soils and continue to consult the NWB, KIA and INAC regarding their final disposal.

9. **Sampling Reports:** Comaplex supports the principle of a central repository for project related reports. The sampling reports are produced in fulfillment of the Nunavut Water Boards terms and conditions and we regard the ftp service provided by the water board as the logical destination for reporting. This ensures all interested parties have equal access and also that all copies of relevant reports are the same.

Comaplex's has additional concerns regarding procedure with respect to INAC inspections. Initiatives known by the inspector to have been undertaken by Comaplex at the time of the inspection were not considered in his directive. A further concern was the

tone and tenor of the Inspectors correspondence. Lastly, some of the compliance categories such as the measuring of water volumes are left open to the application of alternative methods in the water license general conditions but the directive favours one method only and threatens Comaplex with fines and imprisonment for non-compliance.

The deputy minister's response (also included in Appendix 3) notes that many of the items included in the directive are to be mitigated by planned camp upgrades and procedures. The minister recommends informing the inspector of these compliance improvements and requesting changes through the water license amendment process.

Other INAC Inspections

INAC Inspector Mr Henry Kablalik visited both the Meliadine Lake Campsite and various other points on the property on July 24, 2008 producing Environmental Inspection Reports dated August 6, 2008 for the following Land Use Permits:

- **Permit N2005Q001 (expired)** – expiring Meliadine Lake Quarries permit (expired), this permit superseded by N2007Q0040; no unacceptable conditions noted, contouring and overburden concerns mentioned in 2007 were addressed to the satisfaction of the inspector. This constitutes closure of Permit N2005Q0001.
- **Permit N2007Q0040 (expiry Apr 13, 2009)** – Meliadine Lake Quarries permit (active), this permit supersedes N2005Q001 above, no unacceptable conditions noted.
- **Permit N2006X0012 (expiry June 27, 2009)** – CWM Claims Winter Road Permit (see inset map Figure 1). Mr Kablalik inspected the winter road route covered by this permit and no unacceptable conditions were noted.
- **Permit N2007C0041 (expiry Apr 13, 2010)** – CWM Claims Drilling and Cache Permit (see inset map, Figure 1). This permits authorizes diamond drilling on claims north of the Meliadine Lake area on NTS sheets 55O/3,4. A permitted cache of equipment has been maintained at Lat 63° 06' 23", Long -91° 32' 24" since 2006. During the spring of 2008 most of the drill equipment and all of the remaining fuel was removed from this location. The remaining materials (mostly spare drill parts) at the cache location will be completely removed during the spring of 2009. The site will be visited during the summer months to ensure all items are removed from the site. The Environmental Inspection Report dated July 24, 2008 indicates conditions acceptable to the inspector.

8.0 2008 Drill Activities and Reclamation

Comaplex completed 23,537 meters of diamond drilling in 79 holes on the Meliadine West property in 2008. Drill meters were distributed between three targets as follows:

- Tiriganiaq Gold Deposit: 21,200 meters in 56 diamond drill holes
- F Gold Deposit: 2,014 meters in 19 diamond drill holes
- Noel Gold Occurrence: 313 meters in 4 diamond drill holes

The results of the drill program were reported in press releases available at www.sedar.com or www.comaplex.com dated July 25, 208, August 25, 2008, November 10, 2008 and December 8, 2008.

Comaplex and its contractors adopt procedures for deep drill holes that avoid common problems encountered when penetrating permafrost affected rocks. Without due care, deep drill holes can freeze quickly and the drill string can be lost. In 2008, about 26 of the 79 drill holes finished at depths below permafrost (more than 400 meters below surface). In all cases, the drill holes froze immediately once the drill equipment was extracted from the drill holes.

Comaplex reclaims all of its drill sites on an ongoing basis. Many sites do not require attention after site cleanup. In some cases, peat moss and nitrogen based fertilizer is applied to help reestablish indigenous plant growth. On some sloped drill sites, berms are used to contain the spread of drill cuttings. Drill holes are not located within 30 meters of the high water mark of ponds and lakes. Spent drill materials are routinely backhauled from camp and are incinerated, recycled, or land-filled in Rankin Inlet, as per our agreement with the Hamlet. Experience shows that most drill sites vegetate naturally within five years. After 10 years, it is difficult to find the old drill collars.

9.0 Restoration Liability

Comaplex presently has a $950,000 Letter of Credit (Security Deposit) with the Kivalliq Inuit Association to cover all potential liability issues with the present exploration program on the Commercial Lease covering the Tiriganiaq gold deposit and exploration portal. Based on two independent consultant reports, the existing security deposit is $200,000 to $400,000 in excess of expected costs to clean, restore, and monitor the camp and decline sites to acceptable standards. Details of this work are available in the Site Liability Security Deposit Review document forwarded to the NWB on October 5, 2008.

No significant modifications to the site have been made that would affect the adequacy of the security deposit in place.

10.0 Review of Waste Rock and Ore Rock Stockpiles

A final plan showing the distribution of pads, ore piles and waste rock piles, is presented on Figure 1 and is generally as proposed in the Waste Rock Management Plan submitted to the NWB in August, 2007. Comaplex received a letter dated January 14, 2009 from the Water Board acknowledging the receipt of our **Waste Rock and Ore Storage Management Plan (August 2007)** and requesting revisions due March 15, 2009 (within 60 days) paraphrased as follows:

- An explanation of ARD testing results, testing methods and who performed the tests
- An explanation of Metal Leaching testing results, testing methods and who performed the tests
- Identification of the limits used to decide what rocks are considered safe for road construction
- Explanation of why waste rock was considered to be a modest risk for acid generation
- A schedule for waste rock pad inspection, who will perform the inspection and what the inspection involves

- Submission of as built design drawings for the ore and waste rock storage plans including a cross section….

Comaplex intends to provide a comprehensive update to the Waste Rock and Ore Storage Management Plan based on the requests listed in the Water Board letter of January 14, 2009 and the results of the major ongoing study being managed by Golder Associates Ltd. We expect to be receive the Golder report around the deadline date of March 15, 2009 and have requested additional time to furnish the updared report.

11.0 Public Consultation / Participation Report
Ongoing Community Consultations for 2008

March 26	Rankin Inlet	presentation to the KIA personnel and the Rankin Inlet CLARC on progress at Meliadine West.
March 27	Rankin Inlet	presentation of the Meliadine West project progress to the Kivalliq Chamber of Commerce at their AGM.
April 8	Iqaluit	Nunavut Mining Symposium; presentation to industry and all regulatory boards with project update.
April 10	camp	Kivalliq Outreach Program (Kevin Sanquine); 8 kids, 3 elders into camp by snowmobile for a visit.
July 8	Rankin Inlet	Presentation to the KIA on the project and discussion of KIA thinking on environmental and regulatory issues.
July 16	Camp	Elders tour to the Meliadine West project site. People who attended were Moses Aliyak, Robert Tatty, Remi Nakokti, Paul Kanuyak, John Hickes. All were taken underground for a full tour (see Frontpiece).
August 25	Rankin	Meeting with KIA
August 26	Camp	Underground tour for L. Manzo (KIA director), L. Kusugak (Rankin Inlet mayor), T. Manernaluk, H. Tatty.
August 28	Rankin	Town hall update meeting.
Sept 11	Rankin	meeting with the KIA

12.0 Abandonment and Restoration Work

Comaplex has removed the old drill core from the racks that were located to the west of the present exploration camp on the Commercial Lease. This core was consolidated with the drill core at the present camp site. The old core racks were removed and the site has been reclaimed. The area has been removed from the current commercial lease shown on Figure 1.

Comaplex conducted contouring restoration work in response to an inspection of the Meliadine Lake island quarries authorized under **Permit N2005Q001 (expired).** The contouring work was inspected on July 24 by INAC inspector Mr Henry Kablalik. His report of August 6, 2008 indicates the restoration work was acceptable.

Comaplex initiated restoration work on its CWM claim group cache (Figure 1) in the spring of 2008 removing the drill and remaining drummed fuel from the site. Remaining materials will be removed during the spring of 2009. Final cleanup will be conducted during a visit during the summer of 2009.

13.0 Summary of New Studies Completed for the Project

Comaplex has completed a number of studies that enhance the understanding of the project from both the technical geological and engineering perspective as well as the natural environment. Additional studies are pending. A listing of the most significant studies that have been completed follows:

Golder Associates November 2008a: Final Report: Meliadine West Gold Project: Water Quality Baseline Studies 2008

Golder Associates November 2008b: Final Report: Meliadine Project: Hydrology Baseline Studies 2008

Golder Associates November 2008c: Meliadine West Gold Project: Fisheries Baseline Studies 2008

Golder Associates December 2008a: Meliadine West Gold Project: Wildlife Baseline Studies 2008

Golder Associates December 30, 2008: Summary of Laboratory Testing of Rock Cores for the Meliadine West Project.

Thalenhorst, H., Dumka, D and Balog, M. January 2009: Technical Report on the Underground Development and Bulk Sample Program, Tiriganiaq Gold Deposit, Meliadine West Property, Nunavut, Canada for Comaplex Minerals Corp., dated January 23, 2009.

MICON 2009, Independent Technical Report on the Preliminary Assessment of the Meliadine Project, Nunavut, Canada, 43-101 compliant report prepared for Comaplex Minerals Corp., J. Leader, Micon International Ltd, principal author

COMAPLEX
MINERALS CORP

14.0 Summary of Studies or Reports Requested by Water Board

The following updates were submitted to the Water Board during 2008:

- **Assessment of Liability** (October 5, 2008)
- **Water License Amendment** (amendment 2 received Dec. 2, 2008)
- **Annual Water Report** (March 2008, this document 2009)
- **Monthly Water Reports** (submitted May 2008, June 2008, July-August 2008, October 2008)
- **Water Management Plan** (submitted June, 2008)
- **Waste Rock and Ore Storage Management Plan** (revision due March 15, 2009)
- **Revised Spill Contingency Plan** (submitted June, 2008)
- **Abandonment and Restoration Plan** (May, 2008)

Comaplex has fulfilled the requests of the Nunavut Water Board to provide timely documents. An amended **Waste Rock and Ore Storage Management Plan** is due March 15, 2009. Comaplex awaits the results of an important ARD study being directed by Golder Associates. The amended plan will incorporate the findings of this study.

Comaplex Minerals Corp.
Geologist
B. Barham, PGeol

Bibliography

Comaplex Minerals Corp (2008): 2007 Report to the Nunavut Water Board for the Meladine West Gold Project – Water License 2BB-MEL0709, March 2008.

Thalenhorst, H., Dumka, D and Balog, M. (2009): Technical Report on the Underground Development and Bulk Sample Program, Tiriganiaq Gold Deposit, Meliadine West Property, Nunavut, Canada for Comaplex Minerals Corp., dated January 23, 2009.

MICON (2009): Independent Technical Report on the Preliminary Assessment of the Meliadine Project, Nunavut, Canada, 43-101 compliant report prepared for Comaplex Minerals Corp., J. Leader, Micon International Ltd., February 20, 2009.

Metal Mining Effluent Regulations (2006): Regulations Amending the Metal Mining Effluent Regulations, SOR/2006-239, amendment of regulations published June 6, 2002 (Amendment, Oct 18, 2006).

Canadian Council of Ministers of the Environment (1999): Canadian Council of Ministers of the Environment (CCME) Water Quality Guidelines for the protection of aquatic life, summary table, (1999, updated December 2007).

Canadian Council of Ministers of the Environment (2000): Canadian water quality quidelines for the protection of aquatic life: Ammonia. In: Canadian environmental quality guidelines, 2000, Canadian Council of Ministers of the Environment, Winnipeg

Environmental Guideline for Site Remediation (2002): Department of Sustainable Development, Environmental Protection Service, Nunavut.

Canadian Council of Ministers of the Environment (2001): Canada – Wide Standards for Petroleum Hydrocarbons (PHC) in Soil, Endorsed by CCME Council of Ministers, Winnipeg 2001, Table 1 revised January 2008

APPENDIX 1: WATER ANALYSES – ANALYTICAL DATA

APPENDIX 2: Wash Car and Biodisk Wastewater Treatment Plant Drawings

APPENDIX 3: Letter to Minister C. Strahl and response

APPENDIX 4: Analytical Results – Land Farmed Soils

APPENDIX 5:
2009 Work Plan
Meliadine West Gold Project
(Preliminary)