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Miramar Con Mine Ltd.
P.O. Box 2000
Yellowknife, NT
X1A 2M1

MacKenzie Valley Land
& Water Board

File

JAN 14 2008

Attention: Mr. Ron Connell
Environmental Superintendent,
Yellowknife Operations

Application # N/L2-40
Copied To PLM/KG/JA/Reg

**RE: SUMMARY OF RESULTS FOR 2007 SOIL SAMPLING PROGRAM –
NEGUS POND, MIRAMAR CON MINE,
YELLOWKNIFE, NT**

Dear Mr. Connell:

Golder Associates Ltd. (Golder) is pleased to submit the following summary of the results of laboratory testing conducted on soil samples collected from Negus Pond, for Miramar Con Mine Ltd. (MCML). These samples were collected by a representative of Golder during a site visit conducted between September 6, 2007 and September 7, 2007.

1.0 BACKGROUND

Between 1948 and 1970, arsenic bearing gas emissions from the roaster at the Con Mine were collected in a baghouse-scrubber system. A by-product of the bag-house-scrubber system was an arsenic bearing sludge that was stored on the surface, in areas referred to as Con and Negus Ponds. Calcine, a residue from leaching the roasted gold bearing concentrate, was discharged with the tailings until 1963, following which it was stockpiled southwest of the mill for potential re-processing. The amount of arsenic sludge and calcine on site was initially estimated at ~30,000 metric tonnes and



~40,000 metric tonnes, respectively. However, a site investigation in 2004 identified an additional ~30,000 metric tonnes of calcine just south of the oxygen plant, which was excavated and treated through the mill between 2005 and 2006 in preparation for final processing through the autoclave.

Discovery of the additional calcine material pushed back the date of completion for treatment of the remaining sludge from 2003 to 2007. The calcine was milled and a portion stockpiled for mixing with the remaining arsenic sludge to provide the required source of iron and sulphur for arsenic sludge stabilization through the autoclave process (MCML, 2007). Treatment of the last of the sludge was completed in the third quarter of 2007.

It is understood that mixing of calcine with arsenic sludge in the Con Pond did not occur, however this may have occurred with arsenic sludge in the Negus Pond. The arsenic sludge, calcine, and the gravel and rocks contaminated by contact with the sludge and/or calcine in the storage ponds, are considered part of the overall mining and gold recovery process at Con Mine. These materials are also included in the final Closure and Reclamation Plan. When treated through the autoclave, the arsenic sludge is converted to scorodite ($\text{FeAsO}_4 \bullet 2\text{H}_2\text{O}$), an arsenic bearing mineral that is chemically and physically stable. The final stabilization of the remaining arsenic sludge was completed in 2007.

The arsenic contaminated gravel, soil and bedrock that cannot be practically treated in the autoclave are also considered a product of the process. These materials were high pressure washed prior to disposal in the secure hazardous waste disposal site. The wash water from this process was directed to the autoclave for final arsenic stabilization.

The Negus Pond area is to be closed as a former hazardous waste storage site, as proposed in the original Closure and Reclamation Plan, after removal of the sludge and pressure washing of the underlying rock (MCML, 2007). It was anticipated that a small amount of arsenic contaminated material (soil), with an arsenic content in excess of 1000 mg/kg, would remain following clean-up of the pond site.

Arsenic levels in the soil have been categorized, in the *Closure and Reclamation Plan*, according to the total arsenic content as follows (MCML, 2007):

- *Low concentrations* – Arsenic concentrations from 0 to 340 mg/kg (below the industrial limit);
- *Moderate concentrations* - arsenic concentrations between 340 and 1000 mg/kg (1000 mg/kg is the lower limit of arsenic levels typically found in tailing on the minesite); and

- *High concentrations* – arsenic concentrations above 1000 mg/kg.

The purpose of this soil sampling program is to quantify the concentration of arsenic in the soil found in Negus Pond after final sludge removal and pressure washing of the site.

2.0 METHODS

2.1 Sample Collection

A total of 22 samples were collected from 42 locations identified for the final sampling program. The sampling program was based upon a 10m x 10m grid superimposed on plan of Negus Pond. Each field grid point was located using a GPS system, the site was marked, photographed and described and where soil occurred it was sampled. A portion of the pond was not sampled due to access difficulties and safety concerns. On the date sampling occurred, the cleaning efforts to remove contaminated soils and power wash the underlying bedrock were still underway (not yet completed). The southern most end of Negus pond was not inspected as ongoing work and moving equipment did not allow for safe work conditions.

Table A-1 of Appendix A lists the locations of the 42 sites inspected as well as the material encountered. Appendix C photo-documents Negus Pond at the time of the visit. Figure 2-1 shows the limits of the pond and the sampled locations.

The 42 grid locations in the pond varied from a) bedrock outcrops with no soil, b) bedrock outcrops with pockets of soil, c) road-fill material, and d) areas of standing water. No samples were collected from the rock outcrops or areas of standing water, however, soil samples were collected from nearby sites (within 1m), where possible.

The soil samples were sent to the ALS Environmental laboratory in Vancouver, BC, for analysis of pH, % moisture, sulphate sulphur, and total metals, including arsenic and antimony. The following sections provide further details on the arsenic analyses.

2.2 Analysis of % Moisture, pH, Sulphate Sulphur, and Total Metals

Each of the soil samples was dried, sieved through a 2mm (#10) mesh sieve, and homogenized prior to analysis of pH, % moisture, sulphate sulphur, and total metals.

Percent (%) moisture analysis was carried out gravimetrically by drying each sample at 105 degrees Celsius for a minimum of six hours.

The pH of the soil samples was determined by mixing an air dried sample with distilled water (1:2 ratio of sediment to water) and measured using a standard pH probe.

Sulphate sulphur concentrations were determined by subjecting a sub-sample of each of the samples to a 1-hour, 10:1 liquid to solid water leach. The resulting leachates were analyzed for sulphate by ion chromatography.

Total metal concentrations were determined following an acid digestion of each of the samples. For these analyses, each sample was homogenized manually, dried at 60°C, and sieved through a 2 mm sieve. Selected sub-samples of the resulting dry material were weighed and digested at 90°C for 2 hours, using a 1:1 ratio of concentrated nitric and hydrochloric acids. The resulting solutions were analyzed using atomic absorption/fluorescence spectrophotometry.

It should be noted that strong acid digestion is not a total digestion but is intended to dissolve those metals that may be environmentally available, including arsenic and other trace metals. Major ions such as those elements bound in silicate structures are not normally dissolved by this procedure and are usually assumed not to be mobile in the environment.

3.0 RESULTS

3.1.1 Sample Description

A total of 22 soil samples were collected. Table A-1 of Appendix A provides sample descriptions for each sample taken. The arsenic contaminated soils consisted of sands, silts and gravel with some organics (e.g. twigs, roots) and were found in small pockets that developed in fractures and other depressions with in the bedrock floor of the pond. At one particular sample location (sample 2007-346) the soil consisted of a green sandy material in a pocket of soil approximately 2m x 3m. This material was found in the northern portion of the pond.

3.1.2 Laboratory Analyses

The following discussion summarizes the results of the arsenic analyses. Results of the laboratory analyses conducted on the samples collected in Negus Pond are presented in Table B-1 of Appendix B.

3.1.3 Total Arsenic

Arsenic concentrations in the soils remaining in Negus Pond after the cleaning efforts are categorized as High (above 1,000 mg/kg, refer to Section 1.0), with concentrations ranging from 2,540 mg/kg to 102,000 mg/kg. Table 3-1 summarizes arsenic

concentrations in the soil samples collected in Negus Pond. Figure 2-1 identifies the location of each sample and the arsenic concentration (red text).

TABLE 3-1: Arsenic Concentrations in Soil Samples Collected From Negus Pond

Site	Arsenic (mg/kg)	Site	Arsenic (mg/kg)
2007-341	14,900	2007-351	102,000
2007-342	54,600	2007-353	32,900
2007-343	89,300	2007-360	2,540
2007-344A	54,900	2007-364	49,300
2007-344B	23,400	2007-366	16,700
2007-345	36,700	2007-370	52,400
2007-346	51,200	2007-371	86,300
2007-347	38,500	2007-372	69,300
2007-348	85,100	2007-374	22,200
2007-349	31,200	2007-378	8,250
2007-350	94,600	2007-379	39,400

There does not appear to be any systematic variation in the arsenic concentrations found in the soils remaining in Negus Pond. However, all samples demonstrated High levels of arsenic.

4.0 SUMMARY

Negus Pond has been used historically for the storage of arsenic sludges. The final Closure and Reclamation Plan called for removal and treatment of the arsenic sludge, along with soil and gravel contaminated by contact with the sludge, followed by high pressure washing of the underlying bedrock. This was completed in 2007. As anticipated, some arsenic contaminated material remained in the pond after the clean-up was completed. As such, the Negus Pond Area will now be closed as a former hazardous waste storage site, as per the final Closure and Reclamation Plan (MCML, 2007).

The Negus Pond soil sampling program was designed to quantify the levels of arsenic in the soils remaining in Negus Pond after the cleaning efforts were completed. Golder personnel visited the site and collected soil samples in Negus Pond during a visit in between September 6th and September 7th, 2007. A total of 42 sites, within the pond (based upon a 10m x 10m grid), were inspected and 22 samples were collected from the sites where soil was observed. In general, soils were found in small pockets within the bedrock floor of Negus Pond.

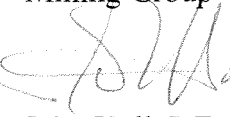
The analyses conducted on the samples show that high concentrations of arsenic (>1,000 mg/kg) are present in the soils that remain in Negus Pond. The concentrations range from 2,540 mg/kg to 102,000 mg/kg. There does not appear to be any systematic variations in the concentrations of arsenic in soils found in the pond.

We trust the information contained in this document meets your requirements at this time. Should you have any questions relating to the above, please do not hesitate to contact the undersigned.

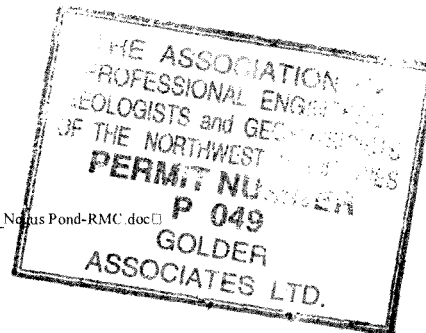
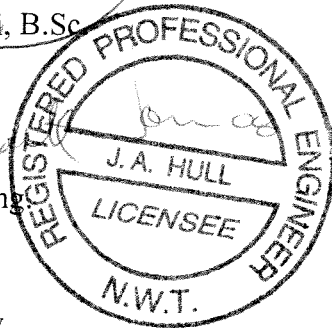
Yours very truly,

GOLDER ASSOCIATES LTD.


Laura Laurenzi, B.Sc.
Mining Group


John Hull, P.Eng.
Principal

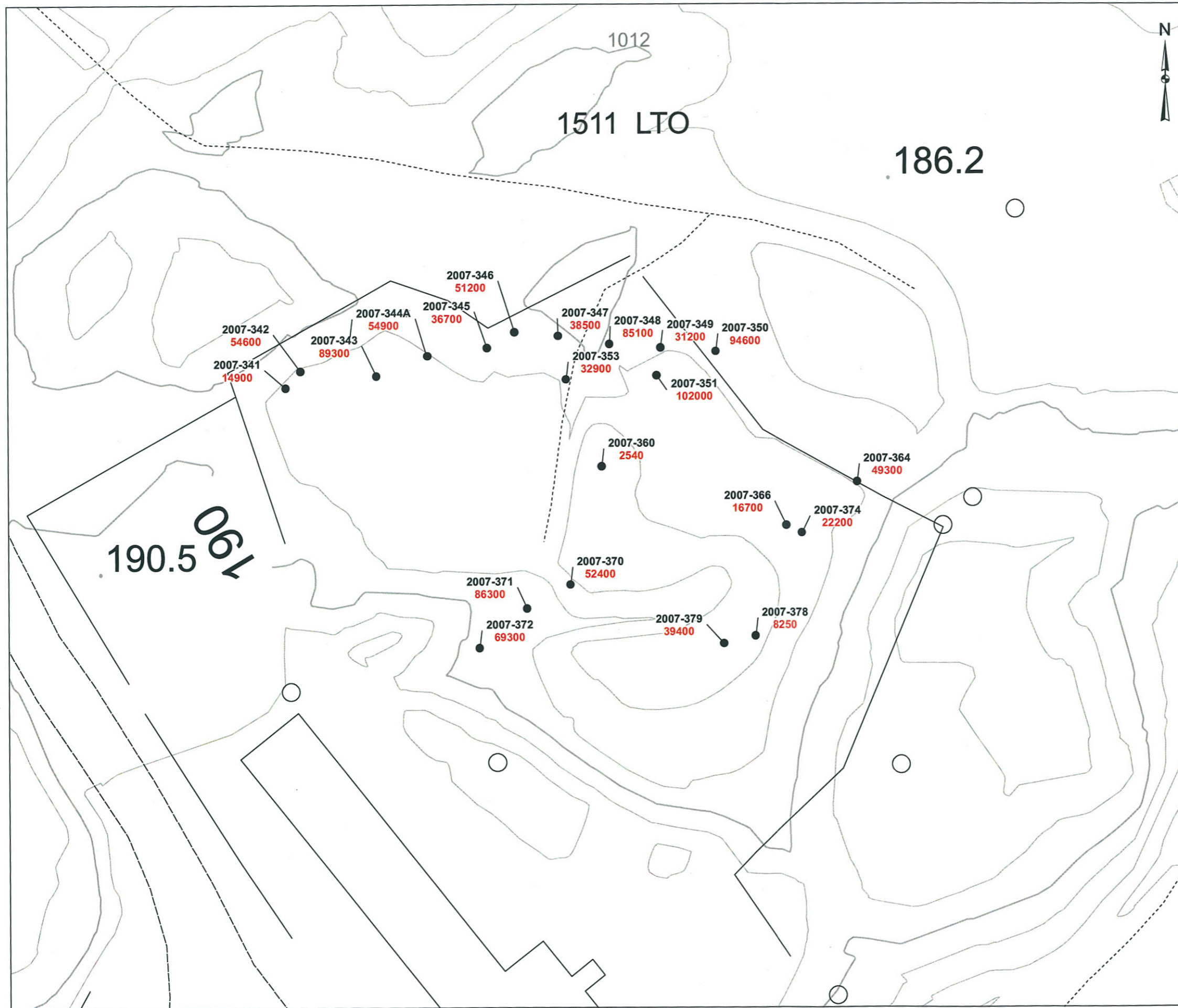
PA/JAH/cm/lw



REFERENCES

- American Public Health Association (APHA), January 2001. Standard Methods for the Examination of Water and Wastewater. 2001 Supplement to the 20th Edition: Section 4110, Determination of Anions by Ion Chromatography.
- Government of Northwest Territories (GNWT), November 2003. Environmental Guideline for Contaminated Site Remediation.
- Miramar Mining Corporation (MCML), January 2007. Final Closure and Reclamation Plan.
- Northwest Territories Water Board. July, 2000. License Number N1L2-0040, License Type A, Northwest Territories Water Act.
- U.S. Environmental Protection Agency (EPA) 600/R-93-100, August 1993. Method 300.0, The Determination of Inorganic Anions in Water by Ion Chromatography.

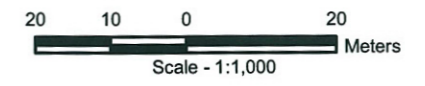
ur-Graphics/Projects/2007/1314/07-1314-0006/GIS/projects/figure-2-1_negus_arsenic.mxd




LEGEND

- Soil Sample/
Arsenic Concentration (mg/kg)
- Negus Pond Constructed Boundary

REFERENCE
Datum: NAD83 Projection: UTM Zone 11



PROJECT	MIRAMAR CON MINE, LTD. YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE	ARSENIC CONCENTRATION (mg/kg) IN SOIL SAMPLES - NEGUS POND		
	PROJECT No.	07-1314-0006	SCALE AS SHOWN
	DESIGN	LL 15 Oct. 2007	REV. 0
	GIS	MCM 15 Oct. 2007	FIGURE 2-1
	CHECK		
	REVIEW		

APPENDIX A

TABLE A-1

TABLE A-1

**Station Location Descriptions and Sample Descriptions for Negus Pond
Miramar Con Mine
Yellowknife, NT**

Site	Easting	Northing	Material Encountered	Sample Description
2007-341	636472	6925741	Bedrock with 5x0.5m pocket of soil	Light Rusty Brown, SAND, SILT and GRAVEL, with organics
2007-342	636483	6925740	Bedrock with 2x2m pocket of soil	Brown, SAND, SILT and GRAVEL, with a lot of organics
2007-343	636495	6925744	Bedrock with small pocket of soil	Light Rusty Brown, SAND, SILT and GRAVEL, with organics
2007-344A	636508	6925749	Bedrock with 7x3m pocket of soil (sample taken between 0-10cm)	Light Brown, SAND, SILT some gravel, with organics
2007-344B	636508	6925749	Bedrock with 7x3m pocket of soil (sample taken at depth >10cm)	Light Grey, SAND and SILT with little gravel
2007-345	636523	6925751	Bedrock with 7x2m pocket of soil	Light Grey, SAND, GRAVEL and SILT, with little organics
2007-346	636530	6925755	Bedrock with 2x3m pocket of soil	Green, SAND
2007-347	636541	6925754	Bedrock with 7x1m pocket of soil	Light Red Brown, SAND and GRAVEL
2007-348	636554	6925752	Highly fractured Bedrock	Light Red Brown, SAND and SILT with some gravel, with organics
2007-349	636567	6925751	Bedrock with 10x1m pocket of soil	Light Brown, SAND and SILT with some gravel, with organics
2007-350	636581	6925750	Highly fractured Bedrock with small pocket of soil	Light Red Brown, SAND and GRAVEL
2007-351	636566	6925744	Bedrock with 2x2m pocket of soil (50cm deep)	Light Brown, SAND and SILT with some gravel, with organics
2007-352	636554	6925745	Bedrock with no soil nearby	n/a
2007-353	636543	6925743	Bedrock with 2x2m pocket of soil	Grey Brown, SAND and SILT with some gravel, with organics
2007-354	636533	6925741	Bedrock with no soil nearby	n/a
2007-355	636233	6925739	Bedrock with no soil nearby	n/a
2007-356	636512	6925735	Bedrock with no soil nearby	n/a
2007-357	636511	6925723	Ramp material in negus	n/a
2007-358	636524	6925724	Ramp material in negus	n/a

TABLE A-1

**Station Location Descriptions and Sample Descriptions for Negus Pond
Miramar Con Mine
Yellowknife, NT**

2007-359	636538	6925722	Ramp material in negus	n/a
2007-360	636552	6925721	Bedrock with small pocket of soil	Ligth Grey, SAND and SILT with some gravel
2007-361	636565	6925718	Bedrock with no soil nearby	n/a
2007-362	636579	6925714	Bedrock with no soil nearby	n/a
2007-363	636595	6925714	Bedrock with no soil nearby	n/a
2007-364	636617	6925717	Bedrock with thick pocket of soil (east wall)	Ligth Brown, SAND and SILT with some gravel
2007-365	636613	6925704	Bedrock with no soil nearby	n/a
2007-366	636599	6925706	Bedrock with 1x1m pocket of soil	Light grey, SAND and SILT with some gravel
2007-367	636586	6925707	Bedrock with no soil nearby	n/a
2007-368	636571	6925707	Bedrock with no soil nearby	n/a
2007-369	636556	6925700	Ramp material in negus	n/a
2007-370	636544	6925691	Bedrock with small pocket of soil	Light Brown, SAND and SILT with some gravel
2007-371	636533	6925685	Small 1x0.5m pocket of soil	SAND and SILT with some gravel, with organics
2007-372	636521	6925675	Bedrock with 10x1m pocket of soil	Ligth Brown, SAND and SILT with organics
2007-373	636590	6925693	Bedrock with no soil nearby	n/a
2007-374	636603	6925704	Bedrock with 1x2m pocket of soil	Light Grey, SAND and SILT with some gravel, with some organics
2007-375	636616	6925701	Bedrock with no soil nearby	n/a
2007-376	636612	6925689	Bedrock with no soil nearby	n/a
2007-377	636606	6925673	Bedrock with no soil nearby	n/a
2007-378	636591	6925678	Bedrock, ponded area	Pink Brown, CLAY, SILT and SAND with some gravel, with organics
2007-379	636583	6925676	Bedrock area still undergoing cleaning	Light Brown, SAND and SILT, with some organics
2007-380	636578	6925670	Bedrock area still undergoing cleaning	n/a
2007-381	636568	6925657	Bedrock very little soil (adjacent to steep waste rock pile-unsafe)	n/a

APPENDIX B

TABLE B-1

Appendix B
TABLE B-1

Analytical Results for Soil Samples Collected in Negus Pond
Miramar Con Mine
Yellowknife, NT

Sample ID Date Sampled ALS Sample ID Matrix	2007-341 07-SEP-07 636472 6925741	2007-342 07-SEP-07 636483 6925740	2007-343 07-SEP-07 636495 6925744	2007-344A 07-SEP-07 636508 6925749	2007-344B 07-SEP-07 636508 6925749	2007-345 07-SEP-07 636523 6925751	2007-346 07-SEP-07 636530 6925755	2007-347 07-SEP-07 636541 6925754
Physical Tests								
% Moisture	19.3	32.1	25.8	46.7	15.0	26.3	22.9	15.5
pH	4.14	4.83	2.85	3.44	5.26	4.44	5.87	5.59
Leachable Anions & Nutrients								
Sulfate (SO4)	74.4	1050	224	1070	263	1430	13800	1800
Metals								
Aluminum (Al)	21300	24200	13600	11700	18900	17700	13300	35300
Antimony (Sb)	19	680	2110	1350	274	336	174	107
Arsenic (As)	14900	54600	89300	54900	23400	36700	51200	36500
Barium (Ba)	45.9	46.7	39.5	57.7	80.6	90.2	10.3	24.7
Beryllium (Be)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bismuth (Bi)	<20	<20	<20	<20	<20	<20	<20	<20
Cadmium (Cd)	1.09	10.1	15.8	10.2	2.17	10.6	14.7	14
Calcium (Ca)	1980	21400	1210	7860	9260	9480	40500	12600
Chromium (Cr)	58.8	39.8	37.5	27.7	47.2	37.7	33	57.9
Cobalt (Co)	13.4	94.2	18.7	33.2	21.5	43.7	106	46.1
Copper (Cu)	149	420	332	356	99.2	417	444	622
Iron (Fe)	39000	48500	56500	38000	33400	38000	60900	89500
Lead (Pb)	<30	284	589	450	92	196	250	152
Lithium (Li)	30.2	23.2	16.4	14.3	27.1	23.4	21.3	71.1
Magnesium (Mg)	7860	9440	3230	4590	12600	8540	17100	27800
Manganese (Mn)	245	855	150	244	430	339	1170	805
Mercury (Hg)	<0.050	0.584	1.09	0.986	0.191	0.386	0.36	0.765
Molybdenum (Mo)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nickel (Ni)	38.7	190	27.8	68.4	50	85.3	191	77.8
Phosphorus (P)	122	620	211	464	459	490	265	403
Potassium (K)	770	490	670	1150	1420	1870	360	450
Selenium (Se)	6.5	14.9	23.4	17.3	8.7	12	13.4	12.2
Silver (Ag)	<2.0	3.8	6.7	5.2	<2.0	2.4	2.1	<2.0
Sodium (Na)	240	<200	<200	<200	480	290	<200	<200
Strontium (Sr)	9.87	35.4	8.53	16.5	17.4	22.7	28.8	16.3
Thallium (Tl)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tin (Sn)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Titanium (Ti)	905	268	378	285	367	359	81.6	104
Vanadium (V)	173	69.3	59.8	42.2	59	55	47.8	135
Zinc (Zn)	75.4	2970	716	1020	332	1130	2520	787

**Appendix B
TABLE B-1
Analytical Results for Soil Samples Collected in Negus Pond
Miramar Con Mine
Yellowknife, NT**

Sample ID Date Sampled ALS Sample ID Matrix	2007-348 07-SEP-07 636554 6925752	2007-349 07-SEP-07 636567 6925751	2007-350 07-SEP-07 636581 6925750	2007-351 07-SEP-07 636566 6925744	2007-353 07-SEP-07 636543 6925743	2007-360 07-SEP-07 636552 6925721	2007-364 07-SEP-07 636617 6925717
Physical Tests							
% Moisture	25.1	16.9	26.9	42.9	43.6	9.75	26.3
pH	5.20	6.32	5.04	4.82	3.39	7.28	5.19
Leachable Anions & Nutrients							
Sulfate (SO4)	1470	3570	4040	13400	1300	153	10000
Metals							
Aluminum (Al)	24600	17200	23300	15200	10600	17700	16500
Antimony (Sb)	2000	269	519	1280	834	12	1080
Arsenic (As)	85100	31200	94600	102000	32900	2540	49300
Barium (Ba)	38.8	51.4	28.6	57.7	43.4	53.8	71.3
Beryllium (Be)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bismuth (Bi)	<20	<20	<20	<20	<20	<20	<20
Cadmium (Cd)	18	7.27	20.3	24.3	11.3	<0.50	17.8
Calcium (Ca)	11300	13400	15900	23600	3590	11500	20300
Chromium (Cr)	42.7	40.8	39.3	34.2	25.8	43.2	40.2
Cobalt (Co)	83.4	31.1	86.3	49.1	29.7	16.6	50.6
Copper (Cu)	664	226	742	757	212	42.3	706
Iron (Fe)	114000	42600	108000	54800	29700	33100	62400
Lead (Pb)	1210	380	495	767	333	<30	1320
Lithium (Li)	32.7	27.4	21.7	19.9	17.3	28.9	26.6
Magnesium (Mg)	13700	11600	10800	6950	5900	16100	10800
Manganese (Mn)	901	534	1190	453	236	491	476
Mercury (Hg)	2.19	0.281	0.441	1.69	0.753	<0.050	1.55
Molybdenum (Mo)	4.6	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nickel (Ni)	126	57.6	135	88.6	62.7	36.9	86
Phosphorus (P)	508	385	488	399	321	484	425
Potassium (K)	710	960	610	500	1310	1580	1950
Selenium (Se)	23.4	10.5	25.7	30.3	9.4	<2.0	15.4
Silver (Ag)	12.3	2.9	2.7	7.7	4.5	<2.0	9
Sodium (Na)	270	290	<200	<200	200	270	240
Strontium (Sr)	29.4	17.6	20.6	30.7	12.3	14.7	23.1
Thallium (Tl)	<50	<50	<50	<50	<50	<50	<50
Tin (Sn)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Titanium (Ti)	279	301	254	249	258	379	344
Vanadium (V)	108	57.8	105	62.1	35.7	54.4	52
Zinc (Zn)	1760	620	1250	1340	1080	54.9	1210

**Appendix B
TABLE B-1
Analytical Results for Soil Samples Collected in Negus Pond
Miramar Con Mine
Yellowknife, NT**

Sample ID Date Sampled ALS Sample ID Matrix	2007-366 07-SEP-07 636599 6925706	2007-370 07-SEP-07 636544 6925691	2007-371 07-SEP-07 636533 6925685	2007-372 07-SEP-07 636521 6925675	2007-374 07-SEP-07 636603 6925704	2007-378 07-SEP-07 636591 6925678	2007-379 07-SEP-07 636583 6925676
Physical Tests							
% Moisture	17.2	12.7	17.6	25.5	22.1	36.0	25.1
pH	5.97	6.34	4.22	4.09	5.71	6.35	5.53
Leachable Anions & Nutrients							
Sulfate (SO4)	832	3470	4900	2830	1680	676	9570
Metals							
Aluminum (Al)	17500	12800	14200	18400	16900	16100	18100
Antimony (Sb)	313	1270	1890	1580	432	83	877
Arsenic (As)	16700	52400	86300	69300	22200	8250	39400
Barium (Ba)	78.3	64.3	51.9	91.3	94.6	155	149
Beryllium (Be)	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	0.51
Bismuth (Bi)	<20	<20	<20	<20	<20	<20	<20
Cadmium (Cd)	2.43	7.47	13.2	10.8	4.24	<0.50	7.28
Calcium (Ca)	7560	13100	8010	7650	9310	8660	17200
Chromium (Cr)	53.6	33.4	44.5	36.6	47.1	30.7	37
Cobalt (Co)	21.4	25.4	33.5	29.9	24.8	12.1	31.2
Copper (Cu)	116	202	325	326	173	30.5	189
Iron (Fe)	35100	40200	45700	46500	37400	23000	41000
Lead (Pb)	256	709	1130	652	409	45	548
Lithium (Li)	30.5	24.4	20.9	23.2	30.3	29.6	31.9
Magnesium (Mg)	12300	10600	7920	7300	11100	9390	10500
Manganese (Mn)	370	337	286	278	372	316	428
Mercury (Hg)	0.264	0.934	<0.050	1.16	0.353	0.053	1.09
Molybdenum (Mo)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Nickel (Ni)	48	46.1	71.4	64	50.5	26.2	59.8
Phosphorus (P)	486	444	329	483	477	543	473
Potassium (K)	2210	1740	1200	1760	2450	3250	3460
Selenium (Se)	6.2	16	23.3	21.1	7.7	<4.0	12.3
Silver (Ag)	2.1	6.9	8.3	7.1	2.6	<2.0	7.7
Sodium (Na)	350	220	220	250	350	460	420
Strontium (Sr)	16.8	17.6	17.6	21.1	19.7	42.3	40.5
Thallium (Tl)	<50	<50	<50	<50	<50	<50	<50
Tin (Sn)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Titanium (Ti)	407	252	274	390	431	514	483
Vanadium (V)	53.8	49.9	50.3	53.3	52.9	41.1	48.2
Zinc (Zn)	240	604	909	850	355	113	725

APPENDIX C
PHOTOGRAPHS



Negus Pond looking North West

Q:\Active\2007\1413\07-1413-0006 Negus Tailings Ponds\Negus POND


PROJECT		MIRAMAR CON MINE, LTD. YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE				
Negus Pond				
PROJECT No. 07-1413-0006		FILE No. ---		
DESIGN	LL	25OCT07	SCALE NTS	REV.
CADD	--	25OCT07	FIGURE C-1	
CHECK	--	25OCT07		
REVIEW				





Negus Pond looking North


Q:\Active\ 2007\1413\07-1413-0006 Negus Tailings Ponds\Negus POND

PROJECT		MIRAMAR CON MINE, LTD. YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE				
Negus Pond				
PROJECT No. 07-1413-0006		FILE No. ---		
DESIGN	LL	25OCT07	SCALE NTS	REV.
CADD	--	25OCT07		
CHECK	--	25OCT07		
REVIEW				
			FIGURE C-2	



Negus Pond looking North East


O:\Active\2007\1413\07-1413-0006 Negus Tailines Ponds\Negus POND

PROJECT		MIRAMAR CON MINE, LTD.			FILE No. ----
		YELLOWKNIFE, NORTHWEST TERRITORIES			
TITLE					
Negus Pond					
		PROJECT No. 07-1413-0006		FILE No. ----	
DESIGN	LL	25OCT07	SCALE	NTS	REV.
CADD	--	25OCT07			
CHECK	--	25OCT07			
REVIEW					
			FIGURE C-3		



Negus Pond looking East


O:\Active\2007\1413\07-1413-0006 Negus Tailings Ponds\Negus POND

PROJECT		MIRAMAR CON MINE, LTD. YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE				
Negus Pond				
PROJECT No. 07-1413-0006		FILE No. ----		
DESIGN	LL	25OCT07	SCALE NTS	REV.
CADD	--	25OCT07		
CHECK	--	25OCT07		
REVIEW				
		FIGURE C-4		



Negus Pond looking South East


O:\Active\2007\1413\07-1413-0006 Negus Tailines Ponds\Negus POND

PROJECT		MIRAMAR CON MINE, LTD. YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE				
Negus Pond				
PROJECT No. 07-1413-0006		FILE No. ----		
DESIGN	LL	25OCT07	SCALE NTS	REV.
CADD	--	25OCT07		
CHECK	--	25OCT07		
REVIEW				
		FIGURE C-5		



Negus Pond looking South West


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PROJECT		MIRAMAR CON MINE, LTD. YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE				
Negus Pond				
PROJECT No. 07-1413-0006		FILE No. ----		
DESIGN	LL	25OCT07	SCALE NTS	REV.
CADD	--	25OCT07		
CHECK	--	25OCT07		
REVIEW				
		FIGURE C-6		



Negus Pond looking West

Q:\Active\2007\1413\07-1413-0006 Negus Tailines Ponds\Negus POND

PROJECT		MIRAMAR CON MINE, LTD.		
		YELLOWKNIFE, NORTHWEST TERRITORIES		
TITLE				
Negus Pond				
		PROJECT No. 07-1413-0006	FILE No. ----	
DESIGN	LL	25OCT07	SCALE NTS	REV.
CADD	--	25OCT07		
CHECK	--	25OCT07		
REVIEW				
		FIGURE C-7		