Nanisivik Mine
Summary of Contaminated Soil Remediation Progress -

September 10, 2008

Prepared for

CanZinco Ltd.

Prepared by

SRK Consulting
Engineers and Scientists

Project Reference Number
SRK 1CB002.001

January 2009

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January 20, 2009

1CB002.001

Mr Robert Carreau
Corporate Manager, Environmental Affairs
Breakwater Resources Ltd.
Suite 950, 95 Wellington Street East
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Dear Mr Carreau

Re: Nanisivik Mine Summary of Contaminated Soil Remediation Progress, September 10, 2008

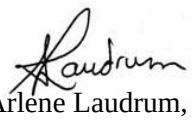
On behalf of SRK Canada, I am pleased to submit the Nanisivik Mine Summary of Contaminated Soil Remediation Progress – September 10, 2008. This report serves to document the remedial activities that were undertaken, and the sample results obtained, that verify those activities at the Nanisivik Mine.

Areas of contaminated soil requiring remediation were identified by Gartner Lee Limited ("GLL") in *2003 Phase 3 Environmental Site Assessment, Nanisivik Mine, Nunavut*. This report presents remedial confirmation results for those areas remaining to be remediated as of December 31, 2007. The remediation of the areas completed previously are reported by GLL in *GLL 50338 - Nanisivik Mine Summary of Contaminated Soil Remediation Interim Close Out Report: Dock Area*, dated April 9, 2008 and by GLL doing business as AECOM *Nanisivik Mine Summary of Contaminated Soil Remediation Progress – December 31, 2007*, dated November 17, 2008.

It has been a pleasure to provide support during your successful closure and reclamation of the Nanisivik Mine.

Yours truly,

SRK Consulting (Canada) Inc.



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Nanisivik Mine

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1 Introduction

The Nanisivik Mine, located on the south shore of Strathcona Sound near the community of Arctic Bay in the North Baffin region, produced lead and zinc mineral concentrates from 1976 to 2002. The mine was most recently owned and operated by CanZinco Ltd., a wholly owned subsidiary of Breakwater Resources Ltd.

An Environmental Site Assessment ("ESA") conducted in 2002 and 2003 identified petroleum hydrocarbon and metal contaminated soil, *2003 Phase 3 Environmental Site Assessment, Nanisivik Mine, Nunavut* (Gartner Lee Limited ("GLL") 2004a). Based on the results of these investigations, areas of contaminated soil were identified for remediation during mine closure and site reclamation.

This report presents soil remediation confirmation results, as of September 10, 2008, at the following areas identified:

- the residual contamination at dock tank farm;
- the former townsite;
- the East Adit Treatment Facility;
- the warehouse yard;
- the road to the dock; and
- the industrial complex.

The data was compiled from investigations and surveys conducted by CanZinco Ltd. and GLL. The majority of remediation at the dock site is reported in a separate letter report, *GLL 50338 - Nanisivik Mine Summary of Contaminated Soil Remediation Interim Close Out Report: Dock Area, dated April 9, 2008* (GLL 2008). Remediation at the following areas is reported in *Nanisivik Mine Summary of Contaminated Soil Remediation Progress – December 31, 2007* (GLL doing business as AECOM 2008):

- the former carpenter shop;
- the landfarm cell at the landfill site;
- the former ANFO plant area;
- the former maintenance shop area at K-Baseline;
- the airstrip apron and a former fuel drum storage area on the STOL port; and
- above ground fuel storage tanks ("ASTs") at K-Baseline, Oceanview, the main 00 Portal, Area 14, the East Open Pit and at 17N Portal.

The areas remediated are shown on Figure 1: Contaminated Soil Remediation Progress, September 10, 2008.

The overall objective of the Nanisivik Reclamation and Closure Plan is to minimize the environmental and human risks from any residual contamination of the site resulting from the operation of the mine. This is achieved through the general practice of ensuring that soil in excess of the established risk objectives for the site is treated and/or isolated from the receiving environment.

2 Background

ESA investigations conducted by GLL in 2002 and 2003, and remediation activities at the dock area (GLL 2008) identified the following about the areas remediated and reported herein:

Dock Area

- Residual petroleum hydrocarbon contaminated soils which remained in the vicinity of the fuel pump building at the tank farm at the end of 2007.

Townsite

- Hydrocarbon impacted soils adjacent to ASTs.
- Isolated areas of elevated metal concentrations in surficial soils.

East Adit Treatment Facility

- Localized surficial contamination in drainage path below retention pond.

Warehouse Yard

- Hydrocarbon contamination present in surficial soils with patchy visible staining.
- Hydrocarbon contamination at an area of heavy staining extended into the fractured bedrock to at least 0.8m depth.

Road to Dock

- Metal contamination present on the surface of the road but not detected in soils adjacent to the road, or at depth.

Industrial Complex

- Soils downgradient of the fuel day tanks contaminated with hydrocarbons.
- Hydrocarbon contamination present at the waste oil tank and the oil water separator.
- Metal contamination present in the soil surrounding the industrial complex.

3 Remediation Objectives

3.1 Soil Quality Objectives

A three-tiered approach for the assessment and remediation of contaminated sites has been established by the Canadian Council of Ministers of the Environment ("CCME"). Generic guidelines represent the first tier, while a second tier allows limited modification of the guidelines to establish site-specific remedial objectives. The third tier uses risk assessment procedures to establish remediation objectives at contaminated sites on a site-specific basis. The first tier guidelines represent generic recommendations that are based on a conservative application of the most current scientific information without consideration of possible site-specific, special considerations. The first tier objectives for remediation have been used for the sites reported here for petroleum hydrocarbons contamination. Site specific remediation objectives have been approved for this site for relevant metals. The application of these objectives is considered below.

3.1.1 Site-Specific Remediation Objectives for Metals

The Nunavut Water Board ("NWB") approved a Human Health and Ecological Risk Assessment ("HHERA") for the Nanisivik Mine prepared by Jacques Whitford Environment Limited ("JWEL"), *Human Health and Ecological Risk Assessment, Nanisivik Mine, Nunavut* (JWEL 2003). The study determined concentrations of potential contaminants of concern (cadmium, copper, lead, silver and zinc) in surface soil below which no adverse health effects would be expected based on land use. The mine site was divided into three areas for the HHERA based on current and likely future uses:

- the town area – assumed to continue as residential land use;
- the dock area – assumed to continue as commercial/light industrial land use; and
- the general mine area – assumed to be used for recreational and hunting purposes.

Site-specific Soil Quality Remediation Objectives ("SQRO's") were determined for the potential contaminants of concern as identified on Table 1.

Table 1: Site Specific SQRO's for Metals

Objectives	Cadmium mg/kg	Copper mg/kg	Lead mg/kg	Silver mg/kg	Zinc mg/kg
Town Area	35	5,900	700	NA	10,800
Dock Area	2,800	5,900	4,500	NA	44,000
General Mine Area	50	5,900	1,050	18,000	23,400

NA Maximum silver surface soil concentrations obtained in the Phase 2 ESA Investigations at the town area and dock area were less than the generic CCME guidelines and therefore site-specific SQRO's were not developed.

3.1.2 Generic Federal CCME Guidelines for Petroleum Hydrocarbons

First tier generic Residential Land ("RL") and Commercial Land ("CL") use standards and guidelines for petroleum hydrocarbons as set out in the following references were approved by the NWB for the remediation program:

- *Canada Wide Standards for Petroleum Hydrocarbons in Soil* ("PHC CWS"), CCME April 2001 (CCME 2001); and
- *Canadian Environmental Quality Guidelines* ("CEQG"), CCME 2007 (CCME 2007).

The PHC CWS is a CCME remedial guideline for petroleum hydrocarbon impacted soil and has been used to assess soil quality for hydrocarbons at the Nanisivik mine. In this guideline, petroleum hydrocarbons are subdivided according to specified ranges of equivalent carbon number:

- PHC CWS fraction F1 encompasses the range of equivalent carbon number from C6 to C10. Constituents of fraction F1 include the volatile fraction of most hydrocarbons mixtures (including gasoline) such as benzene, ethylbenzene, toluene and xylene ("BETX"). The aromatic compounds BETX are assessed and managed under the CCME CEQG (CCME 2007) and therefore should be subtracted from this fraction;
- PHC CWS fraction F2 encompasses the range of equivalent carbon number from C11 through C16. Constituents of fraction F2 are semi-volatile petroleum hydrocarbons and include constituents of gasoline and diesel fuels;
- PHC CWS fraction F3 encompasses the range of equivalent carbon number from C17 through C34. Constituents of fraction F3 include typical lubricating oils and greases, heavy fuel oils, road oils and asphalts; and
- PHC CWS fraction F4 encompasses ranges of equivalent carbon number from C35 through C50+. PHC within this fraction often make up a significant proportion of crude oils.

The PHC CWS also includes consideration of fine-grained versus coarse-grained soils in the determination of guideline values. The soils at Nanisivik are predominantly coarse-grained. The median grain size is greater than 75 micrometres (μm). The soil quality objectives for PHC CWS fractions F1 to F4 are as follows for the remedial work reported:

Table 2: SQRO's for Petroleum Hydrocarbon

Objectives for Coarse-Grained Soils		F1 mg/kg	F2 mg/kg	F3 mg/kg	F4 mg/kg
Residential Land Use	Surface (0 to 1.5m depth)	130	450	400	2,800
	Subsoil (>1.5m depth)	350	1,500	2,500	10,000
Commercial Land Use	Surface (0 to 1.5m depth)	330	760	1,700	3,300
	Subsoil (>1.5m depth)	700	2,000	3,500	10,000

3.2 Confirmatory Sampling Objectives

The objectives of the Nanisivik Reclamation and Closure Plan are to ensure that concentrations of potential contaminants of concern in surface soil are below levels at which no adverse human or ecological effects are expected.

The soil sampling plan to confirm the success of contaminated soil remediation was described in the NWB approved *Nanisivik Mine 2004 Reclamation and Closure Plan* (CanZinco Ltd. 2004), and the *Nanisivik Mine Reclamation and Closure Monitoring Plan* (GLL 2004b). The plan calls for the capture at least 95% of soil containing contaminants in excess of the SQRO's in each remediation area and any residual contaminant concentrations in soils should not exceed twice the SQRO's (GLL 2004b). Remediation confirmation samples are to be collected in a 25m grid-based pattern and analyzed at a laboratory accredited by the Canadian Association for Environmental Analytical Laboratories.

4 Methodology

4.1 Delineation

The preliminary boundaries of the areas to be remediated were identified based on results of the ESA conducted in 2002 and 2003. The extent of the areas requiring remediation was further delineated during site remediation activities based on field screening measurements and analytical laboratory results.

4.1.1 Dock Area

The area remaining at the end of 2007 to be remediated at the dock tank farm was delineated for excavation on the basis of on-site screening and laboratory results from soil samples obtained from test pits excavated in 2007.

4.1.2 Road to Dock

In July 2006, sixty-six test pits were excavated at 25m intervals to delineate areas for excavation along the section of the road that was determined to have elevated metal concentrations during the ESA investigations. The distance from the right edge of the road where the test pits were excavated was selected using the random number generating function in MS Excel®. Soil samples were collected at regular intervals in each test pit, from surface to 5cm, 5cm to 10cm, 10cm to 20cm and 20cm to 30cm below ground level.

Samples were selected for analysis and submitted to the off-site analytical laboratory for analysis of cadmium, lead and zinc to:

- infill gaps in the data obtained in the ESA investigations, or
- isolate areas of elevated metal concentrations.

4.1.3 Other Areas

On-site screening of soil from surface and test pits, along with visual indications of contamination at former location of ASTs, were used to define the areas of petroleum hydrocarbon and metal impacts to be remediated at the townsite, warehouse yard and industrial complex.

4.2 Field Screening

On-site field screening of samples was completed by either GLL, or CanZinco Ltd. employees trained by GLL in sampling procedures and protocols.

The concentration of organic vapour in soil impacted by hydrocarbons was measured on-site using a bag-headspace method. This method involves placing soil in a sealable polyethylene bag, sealing the bag, disaggregating the soil in the bag and allowing organic vapours to accumulate in the bag's headspace. The concentration of organic vapour was then measured using a portable photo-ionization detector ("PID"). The results of the PID measurements were combined with the visual appearance of the soil and olfactory indicators to determine if site remediation objectives had been met.

Concentrations of lead and zinc were assessed on-site using a XMET portable X-Ray Fluorescence elemental analyzer. On site field screening duplicates were also analysed. The XMET was not calibrated during the remediation activities, thus the readings were not used to represent precise measurements of concentrations. Based on a comparison of field screening results to laboratory analyses of the duplicate soil samples it was determined that results within the ranges indicated in Table 3 either required further excavation or not. Results between the upper and lower values were indeterminate as to whether or not further excavation was required and therefore final determinations were based on laboratory results.

Table 3: XMET Results Interpretation, April 30, 2005

Area	Further Excavation Required		No Further Excavation Required (Pending Laboratory Results)	
	% lead	% zinc	% lead	% zinc
Town Area	>0.10%	>1%	<0.05%	<1%
Dock Area	>0.45%	>4%	<0.05%	<3.5%
General Mine Area	>0.10%	>2%	<0.40%	<2%

4.3 Excavation

Soil reclamation began in April 2005. Contaminated soils were removed with an excavator or bulldozer then loaded into trucks for disposal. Petroleum hydrocarbon contaminated soils were disposed of in the underground mine. Whereas, soils from metal contaminated areas were disposed of in either the underground mine, or placed inside the concrete footing of the industrial complex and encapsulated under an engineered geothermal soil cover. Soils contaminated with both petroleum hydrocarbons and metals were disposed of underground.

Due to the presence of permafrost the soil often had to be loosened to allow for excavation. This was accomplished through various techniques including: excavator mounted ripping tooth; bulldozer mounted ripper; and drilling and blasting.

To direct the excavation activities visual and olfactory observations were made and soil samples were collected across the floor and walls of the excavation. The soil samples were field screened for hydrocarbons as discussed above. Excavation of contaminated soils proceeded until the on-site screening procedures indicated that the excavation objectives had been achieved. The limits of the excavations in the areas reported herein are shown on Figures: 3 to 11. Table 4 provides the approximate area excavated and volume of contaminated soil disposed from each area remediated since reclamation activities commenced in 2005.

Table 4: Summary of Volume of Contaminated Soil Removed

Area	Total Area (m2)	Volume (m3)
Dock area	38,000	30,165
Townsite	1,500	1,465
East Adit Treatment Facility	0	0
Warehouse Yard	15,000	7,150
Road to Dock	7,500	3,490
Industrial Complex	28,500	45,440
Carpenter Shop	4,400	6,410
Landfarm cell	1,150	1,710
ANFO Plant	1,750	5,160
AST Main Portal	225	20
K-Baseline	3,085	5,355
Oceanview	1,007	50
Area 14	225	20
East Open Pit	600	60
17 North portal	225	20
STOL Airstrip	1,585	2,770
Total	104,752	109,285

4.4 Confirmation Sampling

Once field screening results indicated that the material remaining in the excavation would meet the SQRO's, then confirmation samples for laboratory analysis were collected in accordance with accepted sampling procedures and protocols by either GLL or CanZinco Ltd. employees trained by GLL.

Each excavation area was subdivided into individual composite sampling areas of approximately 25m by 25m (or less) as required to cover the floor of the excavation. Wall samples were composited over a length of 25m on the wall of the excavation. Combining four or five evenly spaced aliquots of soil within the individual composite sample area created composite samples. A single aliquot of soil from a specific point is a discrete Quality Assurance and Quality Control ("QA/QC") sample and these samples were collected randomly to test the homogeneity of composite sample areas.

Additional QA/QC samples were obtained by collecting field duplicates. The field duplicates are the same sample blended and split into two separate samples in the field. These samples were submitted in separate containers with different sample identifiers and analysed at the laboratory as a blind duplicate.

The soil samples were submitted to Accutest Laboratories Ltd., of Ottawa, for analysis of PHC and metals, as appropriate based on the contaminants of concern for a given area. Further excavation was undertaken in areas where the laboratory analytical results did not meet the SQROs and additional confirmatory samples were taken upon completion of the excavation.

In addition to collecting samples from the areas excavated, samples were also collected to confirm the character of the areas between excavations at the townsite and warehouse yard, where isolated areas of elevated metal and/or petroleum hydrocarbons had been identified prior to the area being scarified and contoured.

In two areas confirmation samples were not collected following the final excavation and backfilling of a location. In both instances it is understood that excavation was completed in accordance with instruction and based on diminishing results from sampling, no residual contamination was expected. These include a 50m by 25m area at the former AST adjacent to the Dome in the townsite and at $25m^2$ area at the former compressor shed at the industrial complex.

5 Results

5.1 Delineation Results

Analytical results from the test pits excavated and the area delineated for further excavation as of the end of 2007 were reported in *GLL 50338 - Nanisivik Mine Summary of Contaminated Soil Remediation Interim Close Out Report: Dock Area, dated April 9, 2008* (GLL 2008).

One hundred and two (102) samples of the two hundred and fifty four (254) samples collected from the test pits excavated in the road to the dock in 2006 were submitted to the off-site analytical laboratory for analysis of cadmium, lead and zinc. Eight (8) surface samples were also collected and analyzed. Analytical results from the test pits and additional surface soil samples are reported in Table 7 (back of report). Concentrate was observed in the upper 5cm of test pit TP6060, the site was therefore considered contaminated and no samples from this test pit were analyzed. Concentrations of lead greater than the SQRO's for the dock area were detected in test pits TP6063 and TP6067. Zinc concentrations in TP6063 were also greater than the SQRO. Samples analyzed from the other test pits met the SQRO's for the dock area. The area of the road delineated for excavation to meet the dock area SQRO's extends from the bridge across Twin Lakes Creek north 225m, as shown on Figure 2: *Road to Dock Delineation Soil Samples*.

5.2 Confirmation Results

Results for one hundred ninety five (195) confirmatory soil samples analyzed for petroleum hydrocarbon fractions F2 to F4 are summarized in Table 8 (back of report) and illustrated in the corresponding Figures 3, 5, 8 and 10. Eight samples from this set were selected for analysis of fraction F1. Six samples from this set were also selected for the additional analysis of BETX, the results of which are summarized in Table 9 (back of report). All results were compared to the approved Nanisivik Mine SQRO's. Table 5 indicates the areas where samples were collected and the type of petroleum hydrocarbon samples collected.

Table 5: Sample Summary: Petroleum Hydrocarbons

Area	Floor Composite ("F-C")	Floor QA/QC ("F-Q", F-D")	Wall Composite ("W-C")	Wall QA/QC (W-Q", "W-D")	Total
Tankfarm ("TF") at Dock	3	3	9	4	19
Townsite ("TS"), including Government Garage ("GG")	20	8	3	1	32
Warehouse Yard ("WR")	43	13	-	-	56
Road to Dock ("RD")	24	2	-	-	26
Industrial Complex ("IC")	48	9	5	-	62
Total	138	35	17	5	195

Results for one hundred sixty two (162) confirmatory soil samples analyzed for cadmium, lead and zinc are summarized in Table 10 (back of report) and illustrated in the corresponding Figures 4, 6, 7, 9 and 11. The results are compared to the approved Nanisivik Mine SQRO's. Table 6 indicates the areas where the samples were collected and type of metal samples collected.

Table 6: Sample Summary: Metals

Area	Floor Composite ("F-C")	Floor QA/QC ("F-Q", F-D")	Wall Composite ("W-C")	Wall QA/QC (W-Q", "W-D")	Total
Tankfarm ("TF") at Dock	2	3	5	3	13
Townsite ("TS"), including Government Garage ("GG")	31	8	-	-	39
East Adit Treatment Facility ("EATF")	1	2	-	-	3
Warehouse Yard ("WR")	21	3	-	-	24
Road to Dock ("RD")	22	4	-	-	26
Industrial Complex ("IC")	50	7	-	-	57
Total	127	27	5	3	162

5.3 Quality Assurance and Quality Control

QA/QC measures associated with the collection and analysis of the soil samples included: the comparison of on-site field screening results with those from the laboratory, duplicate field screening for metals, the laboratory analysis of discrete QA/QC samples (for comparison with composite samples) and the laboratory analysis of blind duplicates.

Field screening results are compared to those from the laboratory analyses of confirmation soil samples from the dock, in Table 1 of *GLL 50338 - Nanisivik Mine Summary of Contaminated Soil Remediation Interim Close Out Report: Dock Area* (GLL 2008). Field screening results are relative and are therefore not directly comparable, but the data show that the field screening limits used for lead and zinc are successful in distinguishing between soils that meets the SQRO's and those that require further remediation.

Data for lead and zinc from on-site field screening of duplicate samples with the XMET are shown in Table 11 (back of report). These results are a measure of the precision of this method of field screening. The Relative Percent Difference ("RpD") is calculated from each duplicate pair for all duplicate samples. The results show poor precision for half of the samples during 2005, which improved slightly in 2006, and improved significantly in 2007. In 2007 all duplicate pairs shown low RpD values and are highly precise. Measures were implemented throughout this project to improve precision.

The complete listing of laboratory QA/QC samples and their RPD's are shown in Table 12 (back of report) and Table 13 (back of report) for petroleum hydrocarbons and metals. QA/QC sample identifiers ending in "Q" represent blind field duplicate samples. These monitor a combination of the precision of the laboratory analyses, sample preparation errors, sample collection errors and genuine short scale variations in soil geochemistry. QA/QC sample identifiers ending in "D" represent discrete samples which monitor the homogeneity of composite sample areas. Results that are either below the detection limit for one or both sample pairs, or below the Practical Quantitation Limit ("PQL") have RPD's identified as not applicable.

Sixteen (16) sample pairs have blind field duplicate analyses for hydrocarbons. Seven of these have results that are below the PQL for all parameters. Of the remaining nine (9) pairs, RPD's are greater than 50% for fractions F2 and F3 for one sample pair (TF-8343-W-C) from the tank farm and for fraction F4 for one sample pair (WR-8455-F-C) from the warehouse yard. The sample pair at the warehouse yard exceeds the residential guidelines and meets commercial guidelines; therefore the result does not impact the conclusions of this report. It is noted however that the nature of fraction F4 compounds with very low viscosity makes it likely that soil containing this fraction would be heterogeneous. The sample pair at the tank farm comes from a composite area where two discrete samples have also been analysed. The discrete analyses demonstrate the highly variable nature of fractions F2 and F3 within this composite area, for example fraction F2 varies from 3690µg/g to 116µg/g in the discrete samples taken from within this composite area.

Twenty two (22) composite and discrete sample pairs were analysed for petroleum hydrocarbons. Eight (8) of these have results that are below the PQL for all parameters. Of the remaining fourteen (14) sample pairs, RPD limits are greater than 50% for fraction F2 in three sample pairs from the industrial complex and tank farm, for fraction F3 in three sample pairs from the warehouse yard, for fraction F4 in one sample pair from the warehouse yard, and for fractions F3 and F4 in one additional sample pair from the warehouse yard. These data suggest heterogeneity of hydrocarbons at the industrial complex and warehouse yard, which is to be expected.

All nine (9) blind field duplicate sample pairs analysed for metals have RPD's below the RPD limit of 50% with the exception of one sample pair from the industrial complex. This sample pair (IC-8390-F-C) has RPD's of 84-90% for cadmium, lead and zinc and is likely to reflect genuine variation in soil geochemistry at this site due to the variable presence of concentrate dust. Additional excavation was undertaken at this site and therefore this result does not change the conclusions of this report.

Eleven composite and discrete sample pairs were analysed for metals and four (4) of these pairs have RPD's above the RPD limit of 50% for cadmium, lead and zinc, and one more pair has an RPD above 50% for zinc. These data demonstrate that there is heterogeneity of metals in some of the composite sample areas at the industrial complex and the warehouse yard, which is to be expected.

5.4 Discussion

Dock Area

- With the exception of soils in the berm of the tank farm infrastructure (which remains in use), the dock site is considered remediated in accordance with generic CCME CL petroleum hydrocarbon guidelines and the dock area SQRO's.
- Residual petroleum hydrocarbon contaminated soil in the vicinity of the former fuel pumphouse at the toe of the tank farm berm (identified in 2007) was excavated and placed underground.
- Petroleum hydrocarbon contamination remains in the berm of the tank farm over a strike length of less than 25m at surface in the vicinity of the fuel coupling valve above the former pumphouse.
- Petroleum hydrocarbon contamination from the fuel dispensing facility at 2m depth also remains in the berm at approximately the same location.
- The limits of soil removal from the impoundment berm were dictated by the requirements to preserve the structural integrity of the operating tank farm facility. In the area of residual contamination in the berm a geocomposite liner was placed against the face of the excavation and then clean fill was used to backfill the excavation and buttress the berm. The liner was installed primarily to demarcate the extent of the excavation. It is anticipated that the fill will promote the encroachment of a permafrost barrier between the residual contaminated soil at depth and the excavated area.

- The Nanisivik dock area continues to support commercial and industrial land use. The site is used routinely by the Canadian Coast Guard as a storage facility for marine environmental response equipment and for refuelling. The dock area also serves as a sea lift staging area for several communities in the region.
- The Federal Government has announced that the dock area will be Canada's Arctic fuelling station for the Department of National Defence ("DND"). The DND has subsequently initiated separate ESA and structural integrity studies as part of the expected transfer of the land lease.

The area of residual contamination within the berm of the operating tank farm is demarcated by three (3) samples, collected from the south wall of the excavation, which exceed the generic CCME CL guidelines. The samples were all collected from the wall of the excavation located between the fuel dispensing nozzle of the former pumphouse building and a coupling along the crest of the tank farm berm above the former building. These samples include TF-8283-W-C, TF-8343-W-C and TF 8345-W-D. Two (2) of the samples are composites and one is a discrete. Sample TF-8283-W-C is a surface sample and the other two (2) were collected approximately 2m below surface. All three sample results exceed the CL guidelines for fraction F2 with the surface sample results greater than twice the guidelines as shown on Figure 3.

The thirteen (13) metals remediation confirmation samples collected meet the Nanisivik Mine SQRO's set forth for the dock area, as shown on Figure 4.

Townsite

- Petroleum hydrocarbon contaminated soil adjacent to the former AST south of the central government building was excavated and disposed of underground.
- Petroleum hydrocarbon contaminated soil at the former Dome AST was excavated, and disposed of underground. Additional excavation of contaminated soil, as directed by GLL, was undertaken following GLL's final site visit. Following excavation, the area was backfilled and contoured. No remediation confirmation samples were collected prior to backfilling the expanded excavation.
- Soils with visible and/or known historical petroleum hydrocarbon impacts adjacent to town home heating oil tanks was excavated and disposed of underground.
- The concrete foundations of the central government building, arena, PAMO building and Dome were covered with fill. The town area was scarified and contoured to promote positive drainage into historical drainage pathways.
- All residential buildings and infrastructure at the townsite has been demolished and the area is no longer used for residential purposes. The Government Garage continues to support commercial/light industrial land use and is the responsibility of the Government of Nunavut.

Twenty nine (29) of the thirty two (32) hydrocarbon remediation samples returned results below generic CCME RL guidelines. Three samples returned results greater than the RL guidelines and

less than the generic CCME CL guidelines, and no samples returned results greater than the CL guidelines. One sample that exceeded the generic CCME RL guidelines is a composite floor sample (TS-8437-F-C) collected adjacent to the former Dome AST as shown on Figure 5. This sample exceeded the RL guidelines for fraction F3. Additional excavation of the area was undertaken; however confirmation samples were not collected. Both of the petroleum hydrocarbon remediation confirmation samples collected adjacent to the Government Garage returned results greater than the RL guidelines and less than the CL guidelines as shown on Figure 5.

Thirty seven (37) of the thirty nine (39) metals remediation confirmation samples meet the Nanisivik Mine SQRO's set forth for the general mine area for cadmium, lead and zinc. One composite sample collected in the middle of the Townsite and one of it's two discrete samples exceed the general mine area SQRO for lead, as shown on Figure 6. The confirmation sampling program indicates that greater than 95% of the soil at the former townsite meets the general mine area SQRO's.

East Adit Treatment Facility

- The area below the retention pond was re-contoured following the removal of the dam.

As shown on Figure 7, all three (3) of the metals remediation confirmation samples meet the Nanisivik Mine SQRO's set forth for the general mine area.

Warehouse Yard

- Petroleum hydrocarbon contaminated soil on the numerous benches of the former warehouse yard has been removed and disposed of underground and the area re-contoured.
- Petroleum hydrocarbon contaminated soil and fractured bedrock has been excavated across the southeast side of the former upper bench of the warehouse yard. The vertical face of the upper bench has been excavated approximately 20m to the northwest of its original location and the elevation has been lowered by removing 1m to 2m of contaminated soil and fractured bedrock.
- Metal contaminated soil excavated from the lower yard, located at road level between the former benches of the warehouse yard and Twin Lakes Creek, was placed on the concrete pad of the industrial complex and encapsulated under the thermal soil cover.

None of the fifty six (56) hydrocarbon remediation samples collected returned results greater than the CL guidelines. Twenty five (25) of the samples returned results greater than the RL guidelines. As shown on Figure 8, the samples that exceed the RL guidelines were collected from the former upper two benches of the warehouse yard. Eighteen (18) of these are composite samples; four (4) are discrete samples, three (3) of which are located in areas represented by one of the eighteen composite samples; and three (3) are duplicate samples. All of these samples exceed the guidelines for surface fraction F3 and nine (9) sample results are greater than twice the guideline.

As shown on Figure 9, all twenty four (24) confirmation soil samples for metal remediation meet the Nanisivik SQRO's set forth for commercial/light industrial areas. All confirmation samples collected from the former benches of the warehouse yard meet the Nanisivik Mine SQRO's for

recreational and hunting purposes, the objectives for the general mine. Ten (10) confirmation samples collected from the lower yard returned results greater than the general mine area SQRO and less than the dock area SQRO's. Seven (7) of these are composite samples (WR-8367-F-C, WR-8467-F-C, WR-8469-F-C, WR-8475-F-C, WR-8476-F-C, WR-8477-F-C and WR-8478-F-C); two (2) are discrete samples (WR-8368-F-D and WR-8369-F-D) where WR-8368-F-D is a discrete of composite sample WR-8367-F-C, and one is a duplicate sample (WR-7549-F-Q) of WR-8367-F-C. All of these samples exceed the general mine area SQRO for lead. Five (5) of these samples (WR 8367 F C, WR 8368 F D, WR-8476-F-C, WR-8477-F-C, and WR 8478 F C) also exceed the general mine area SQRO for cadmium. One sample, WR-8361-F-C, collected between the road to the dock and the warehouse yard in an area where surface run-off from the industrial complex was observed to pond, exceeded the general mine area SQRO's for cadmium and lead.

Road to Dock

- The road to the dock continues to support commercial/light industrial land use, especially in light of the redevelopment of the dock area as a military berthing and refuelling facility.
- The area requiring remediation to meet the dock area SQRO's for cadmium, lead and zinc was confined to the roadway adjacent to the industrial complex. Delineation soil sampling determined this area was less than 200m in length and it was bounded to the south by the bridge across Twin Lakes Creek and to the north where the fuel line from the dock crosses under the road.
- Soil co-contaminated with petroleum hydrocarbons and metals was excavated and disposed of underground.

As shown on Figures 8 and 9, twenty three (23) of the twenty four (24) remediation confirmation samples returned meet CL guidelines for petroleum hydrocarbons and the Nanisivik Mine SQRO's for metals set forth for the dock area. One sample, RD-8307-F-C, exceeded the CL guideline for fraction F2. The area represented by sample RD-8307-F-C was initially sampled on July 21, 2008. The area was resampled on September 7, 2008 following the excavation of a small portion of the area and the result for the repeat sample (RD 8487 F C) meets the CL guideline. One surface floor composite collected at the south end of the former industrial complex, RD-8483-F-D exceed the SQRO for the dock area. The sample exceeded the dock area SQRO's for lead and zinc.

Industrial Complex

- Soil beneath the surface water runoff pathway, downgradient of the former fuel day tanks, through the boneyard and onto the road to the dock, has been excavated and disposed of underground. The soil was co-contaminated with petroleum hydrocarbons and metals.
- Petroleum hydrocarbon contaminated soil and the liner beneath the former fuel day tanks has been excavated and disposed of underground.

- Soil co-contaminated with petroleum hydrocarbons and metals in the vicinity of the former light vehicle fuelling station, the warm storage shed and cold storage shed has been excavated and disposed of underground.
- Co-contaminated soil at the entrances to the former powerhouse and heavy equipment garage of the industrial complex has been excavated to solid (unfractured) bedrock.
- Co-contaminated soil below the former calcium tank has been excavated and disposed of underground.
- Co-contaminated soil at the former compressor shed has been excavated and disposed of underground. Additional excavation of contaminated soil was undertaken following the collection of the confirmation samples.
- Metal contaminated soil excavated from the southwest side of the industrial complex was placed on the concrete pad of the industrial complex and encapsulated under the thermal soil cover.
- In excess of 45,000 m3 of soil contaminated with petroleum hydrocarbons and/or metals were excavated leaving exposed bedrock across most of the north side of the former industrial complex.

Fifty eight (58) of the sixty two (62) confirmation soil samples for petroleum hydrocarbon remediation returned results below RL guidelines. Two (2) samples returned results greater than the RL guidelines and less than the CL guidelines, and two (2) samples returned results greater than the CL guidelines. The results of petroleum hydrocarbon analyses are shown in Figure 10.

The three (3) samples that exceed the CL guidelines are surface floor composite samples collected from areas sampled at two different times during 2008. The repeat sample in each instance does not exceed the CL guidelines. The two samples (IC-8420-F-C and IC-8488-F-C) exceed the CL guideline for fraction F2 and the RL guideline for fraction F3. The area represented by sample IC-8420-F-C was initially sampled on August 23, 2008 (IC-8374-F-C). Sample IC 8420-F-C was collected September 4, 2008 following minor regrading of the area. The initial sample meets the RL guidelines and the later sample exceeds the CL guideline for fraction F2 and the RL guideline for fraction F3. Sample IC-8488-F-C was collected on September 7, 2008 from an area sample earlier on August 24, 2008. No work had been reported in the area between the two sampling events. The initial sample meets the RL guidelines and the later sample exceeds the CL guideline for fraction F2 and the RL guideline for fraction F3.

One sample that exceeded the generic CCME RL guidelines is a composite floor sample (IC-6272-F-C) collected at the former Compressor Shed, as shown on Figure 10. This sample exceeded the RL guidelines for fraction F3. Additional excavation of the area was undertaken; however confirmation samples were not collected.

Forty four (44) of fifty seven (57) metals remediation confirmation samples meet the Nanisivik Mine SQRO's for the general mine area. The results of metals analyses are shown in Figure 11. Nine (9) samples returned results greater than the SQRO's for the general mine area and less than those for

the dock area, and four (4) samples returned results greater than those for the dock area. All five (5) of the samples that exceed the SQRO for the dock area are surface floor composites collected at the south end of the former industrial complex (IC-8480-F-C, IC-8481-F-C, IC-8482-F-C and IC-8484-F-C). All of these samples exceed the dock area SQRO for lead and three (3) samples (IC-8481-F-C, IC-8482-F-C, and IC-8483-F-C) also exceed the dock area SQRO for zinc. The sample result for IC-8481-F-C for zinc is greater than twice the dock area SQRO.

The areas with petroleum hydrocarbons in excess of the RL guidelines and metals in excess of the general mine area SQRO's are predominately located adjacent to the road to the dock. The area with metal concentrations in excess of the dock area SQRO's appears to be in the order of 3000m2 to 4000m2 at the southwest corner of the former industrial complex.

6 Conclusion and Recommendations

Based on the confirmatory sampling program conducted consistent with good practice, the tank farm area at the dock site is considered remediated in accordance with generic CCME CL petroleum hydrocarbon guidelines and the dock area SQRO's. The area is considered suitable for commercial and light industrial use. Elevated petroleum hydrocarbon concentrations remain in the berm of the tank farm facility. As the dock area, including the tank farm facility will continue to be used beyond mine closure for servicing the Government of Canada's military and Canadian Coast Guard needs it is recommended that the facility be managed to ensure that the area remediated by CanZinco Ltd. is not recontaminated.

Assuming the area remediated following September 10, 2008 meets the RL objectives, the townsite is considered remediated in accordance with generic CCME RL petroleum hydrocarbon guidelines and the general mine area metal SQRO's. Samples collected near the Government Garage indicate that this area is suitable for commercial and light industrial use, but not residential use.

The soil below the former retention pond at the East Adit Treatment Facility meets the objectives for recreational and hunting purposes.

The lower benches of the former warehouse yard and north yard of the former industrial complex meet the objectives for recreational and hunting purposes. The upper bench and lower yard of the warehouse yard and the road to the dock are suitable for commercial and light industrial use. It is recommended that the risk to human and ecological health associated with the elevated metal concentrations at the southwest side of the former industrial complex be assessed to determine if further remedial measures are necessary in this area.

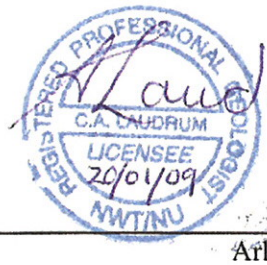
7 Limitations

This report and the opinions and conclusions contained, outline the expression of the professional opinion of SRK Consulting (Canada) Inc. ("SRK") as to the matters set out herein, subject to the methodology, procedures and sampling techniques used, SRK's assumptions, and the circumstances and constraints under which Services were performed by SRK. The confirmation of environmental conditions of the remedial work at the site is based on sampling by Gartner Lee Limited and CanZinco Ltd. The author of this report was employed by Gartner Lee Limited during the remedial work and warrants that the work was undertaken, and this report prepared, in a manner consistent with the level of skill and diligence normally exercised by competent environmental professionals practicing in Nunavut.

This Report is meant to be read as a whole, and sections or parts thereof should thus not be read or relied upon out of context. In addition, this report is based in part on information not within the control of SRK. Accordingly, use of such report shall be at the user's sole risk.

This report, "**Nanisivik Mine, Summary of Contaminated Soil Remediation Progress – September 10, 2008 - FINAL**," was prepared by SRK Consulting (Canada) Inc.

Prepared by



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Tables

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation										
		Test pit ID:		na	na	na	na	na	TP6014	TP6016	TP6018	TP6019	TP6019	TP6019
		Sample ID:		RD-5047-F-D	RD-5048-F-D	RD-5049-F-D	RD-5140-F-D	RD-5141-F-D	6014 5-10	6016 5-10	6018 5-10	6019 0-5	6019 5-10	6019 10-20
		Sample Date:		15-Apr-05	15-Apr-05	15-Apr-05	30-Apr-05	30-Apr-05	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.00	0.05	0.10
		Sample to (m):		0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.05	0.10	0.20
		ACCUTEST File #:		2508123	2506447	2506447	2508123	2508123	2618606	2618606	2618606	2619779	2619779	2619779
		Nanisivik Mine SQROs[a]												
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**										
Total Metals														
Cadmium	mg/kg	50	2800	1.8	34.7	2.4	40.6	5.1	<0.5	1.2	4.6	21.6	4.5	1.7
Lead	mg/kg	1050	4500	35	559	133	762	130	25	74	52	656	131	54
Zinc	mg/kg	23400	44000	797	12900	822	16400	1970	153	427	1950	6880	1350	552

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6019	TP6020	TP6020	TP6020	TP6020	TP6021	TP6021	TP6021	TP6021	TP6022	TP6024	TP6026
		Sample ID:		6019 20-30	6020 0-5	6020 5-10	6020 10-20	6020 20-30	6021 0-5	6021 5-10	6021 10-20	6021 20-30	6022 5-10	6024 5-10	6026 0-5
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.20	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20	0.05	0.05	0.00
		Sample to (m):		0.30	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30	0.10	0.10	0.05
		ACCUTEST File #:		2619779	2619779	2618606	2619779	2619779	2619779	2619779	2619779	2619779	2618606	2618606	2619779
		Nanisivik Mine SQROs[a]													
Parameter	Units	General Mine	Dock	Analytical Results											
Total Metals															
Cadmium	mg/kg	50	2800	1	14.9	42.5	40	12.8	17.0	39.1	31.1	7.1	4	1.2	41.2
Lead	mg/kg	1050	4500	51	416	788	**1070**	639	388	424	465	192	311	50	350
Zinc	mg/kg	23400	44000	368	5470	16000	13200	4090	6050	14400	12400	2570	1390	358	15000

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6026	TP6026	TP6026	TP6028	TP6030	TP6030	TP6030	TP6030	TP6032	TP6032	TP6032	TP6032
		Sample ID:		6026 5-10	6026 10-20	6026 20-30	6028 5-10	6030 0-5	6030 5-10	6030 10-20	6030 20-30	6032 0-5	6032 5-10	6032 10-20	6032 20-30
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.05	0.10	0.20	0.05	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20
		Sample to (m):		0.10	0.20	0.30	0.10	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30
		ACCUTEST File #:		2618606	2619779	2619779	2618606	2619779	2618606	2619780	2619780	2619780	2619780	2619780	2619780
		Nanisivik Mine SQROs[a]													
Parameter	Units	General Mine	Dock	Analytical Results											
Total Metals															
Cadmium	mg/kg	50	2800	1.7	1.5	5.6	0.8	37.2	1.0	1.1	0.9	40.3	1.8	<0.5	<0.5
Lead	mg/kg	1050	4500	46	60	62	27	634	35	79	51	740	83	19	16
Zinc	mg/kg	23400	44000	512	508	1770	224	14300	330	402	305	15300	679	142	165

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6036	TP6036	TP6036	TP6036	TP6040	TP6040	TP6040	TP6040	TP6041	TP6042	TP6043	TP6043
		Sample ID:		6036 0-5	6036 5-10	6036 10-20	6036 20-30	6040 0-5	6040 5-10	6040 10-20	6040 20-30	6041 5-10	6042 5-10	6043 0-5	6043 5-10
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20	0.05	0.05	0.00	0.05
		Sample to (m):		0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30	0.10	0.10	0.05	0.10
		ACCUTEST File #:		2619780	2619780	2619780	2619780	2619780	2619780	2619780	2619780	2618606	2618606	2619781	2618606
		Nanisivik Mine SQROs[a]													
Parameter	Units	General Mine	Dock	Analytical Results											
Total Metals															
Cadmium	mg/kg	50	2800	**104**	27.6	2.4	1.7	**74.3**	5	2.2	1.2	5.9	4	44.6	4.2
Lead	mg/kg	1050	4500	**2070**	997	64	66	780	116	83	35	81	51	675	61
Zinc	mg/kg	23400	44000	**36700**	8090	777	533	**32400**	1750	702	322	2310	1650	18300	1640

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6043	TP6043	TP6044	TP6045	TP6047	TP6047	TP6047	TP6047	TP6051	TP6051	TP6051	TP6051
		Sample ID:		6043 10-20	6043 20-30	6044 5-10	6045 5-10	6047 0-5	6047 5-10	6047 10-20	6047 20-30	6051 0-5	6051 5-10	6051 10-20	6051 20-30
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.10	0.20	0.05	0.05	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20
		Sample to (m):		0.20	0.30	0.10	0.10	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30
		ACCUTEST File #:		2619781	2619781	2618606	2618606	2619781	2619781	2619781	2619781	2619781	2619781	2619781	2619781
		Nanisivik Mine SQROs[a]													
Parameter	Units	General Mine	Dock	Analytical Results											
Total Metals															
Cadmium	mg/kg	50	2800	6.1	0.6	0.7	0.8	17.6	1.8	1.2	12.7	26	1	6.1	7.1
Lead	mg/kg	1050	4500	93	15	205	53	259	70	54	877	361	33	281	493
Zinc	mg/kg	23400	44000	2250	213	209	261	6530	583	370	5140	9560	345	1950	2540

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6052	TP6052	TP6052	TP6052	TP6053	TP6053	TP6053	TP6053	TP6054	TP6054	TP6054	TP6054
		Sample ID:		6052 0-5	6052 5-10	6052 10-20	6052 20-30	6053 0-5	6053 5-10	6053 10-20	6053 20-30	6054 0-5	6054 5-10	6054 10-20	6054 20-30
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20
		Sample to (m):		0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30
		ACCUTEST File #:		2618606	2618606	2618606	2618606	2619781	2619781	2619781	2619781	2618606	2618606	2618607	2618607
		Nanisivik Mine SQROs[a]													
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**											
Total Metals															
Cadmium	mg/kg	50	2800	<0.5	0.6	3.7	42.3	29.5	27.2	2.5	4	8.3	2.8	3.4	7.5
Lead	mg/kg	1050	4500	34	252	39	136	731	739	241	556	150	132	121	**1860**
Zinc	mg/kg	23400	44000	163	174	958	15000	11800	10800	879	2170	3160	864	900	4210

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6055	TP6055	TP6055	TP6055	TP6056	TP6056	TP6056	TP6056	TP6059	TP6059	TP6059	TP6059
		Sample ID:		6055 0-5	6055 5-10	6055 10-20	6055 20-30	6056 0-5	6056 5-10	6056 10-20	6056 20-30	6059 0-5	6059 5-10	6059 10-20	6059 20-30
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20
		Sample to (m):		0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30
		ACCUTEST File #:		2619782	2619782	2619782	2619782	2618607	2618607	2618607	2618607	2619782	2619782	2619782	2619782
		Nanisivik Mine SQROs[a]													
Parameter	Units	General Mine	Dock	Analytical Results											
Total Metals															
Cadmium	mg/kg	50	2800	8.1	1.9	4.4	4.7	38.8	16.2	11	6.4	12.5	20	34.8	15.1
Lead	mg/kg	1050	4500	220	131	101	91	805	147	148	121	296	359	956	876
Zinc	mg/kg	23400	44000	3010	674	1110	1310	15200	5150	3450	2170	4270	7600	13500	5520

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6063	TP6063	TP6063	TP6063	TP6067	TP6067	TP6067	TP6067	TP6068	TP6068	TP6068	TP6068
		Sample ID:		6063 0-5	6063 5-10	6063 10-20	6063 20-30	6067 0-5	6067 5-10	6067 10-20	6067 20-30	6068 0-5	6068 5-10	6068 10-20	6068 20-30
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20
		Sample to (m):		0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30
		ACCUTEST File #:		2619782	2619782	2619782	2619782	2618607	2618607	2618607	2618607	2618607	2618607	2618607	2618607
		Nanisivik Mine SQROs[a]													
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**											
Total Metals															
Cadmium	mg/kg	50	2800	**135**	32	6.6	6	**59.4**	40.1	**101**	**116**	26.6	27.5	18.9	15.2
Lead	mg/kg	1050	4500	**5290**	**1270**	280	279	844	**1110**	**3760**	**7250**	405	403	569	449
Zinc	mg/kg	23400	44000	**44200**	9570	1940	1840	**27600**	18400	**39200**	**37700**	11400	13000	6850	5410

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 7: Road to Dock Contaminated Soil Delineation Samples - Metals

		Location:		Road Delineation											
		Test pit ID:		TP6069	TP6069	TP6069	TP6069	TP6070	TP6070	TP6070	TP6070	TP6071	TP6071	TP6071	TP6071
		Sample ID:		6069 0-5	6069 5-10	6069 10-20	6069 20-30	6070 0-5	6070 5-10	6070 10-20	6070 20-30	6071 0-5	6071 5-10	6071 10-20	6071 20-30
		Sample Date:		23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06	23-Jul-06
		Sample from (m):		0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20	0.00	0.05	0.10	0.20
		Sample to (m):		0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30	0.05	0.10	0.20	0.30
		ACCUTEST File #:		2618607	2618607	2618607	2618607	2618607	2618607	2618608	2618608	2618608	2618608	2618608	2618608
		Nanisivik Mine SQROs[a]													
Parameter	Units	General Mine	Dock	Analytical Results											
Total Metals															
Cadmium	mg/kg	50	2800	17.5	14.2	5.3	8.1	34.8	**54**	4.3	3.9	11	9.9	7.1	4.5
Lead	mg/kg	1050	4500	490	443	231	306	968	**2570**	110	56	378	197	269	148
Zinc	mg/kg	23400	44000	6810	5250	1770	2660	13400	15300	1430	1330	4040	3140	1930	1230

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"na" = Not applicable.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Tank Farm								
		Sample ID:		TF-8280-W-C	TF-8281-W-C	TF-7544-W-Q	TF-8283-W-C	TF-8284-W-C	TF-8303-F-C	TF-8304-F-C	TF-8327-F-Q	TF-8305-F-C
		Sample Date:		2-Jul-08	2-Jul-08	2-Jul-08	3-Jul-08	3-Jul-08	5-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08
		Sample Depth (m):		1.6	1.6	Duplicate of	0.8	2.5	0.0	1.0	Duplicate of	2.0
		Field Screen (ppm) [d]:		5	0	TF-8281-W-C	500	80	20	0	TF-8304-F-C	0
		ACCUTEST File #:		2816346	2816346	2816346	2816346	2816346	2816348	2818271	2818272	2818271
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330			<20	45		-	-	-	
F1 (C6-C10) subsoil [b,c]	ug/g	350	700	-	<20			-				-
F2 (C10-C16) surface [b,c]	ug/g	450	760			<20	**3620**		75	<20	24	
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000	<20	<20			200				41
F3 (C16-C34) surface [b,c]	ug/g	400	1700			<20	342		<20	<20	<20	
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500	<20	<20			<20				<20
F4 (C34-C50) surface [b,c]	ug/g	2800	3300			<20	<20		<20	<20	<20	
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000	<20	<20			<20				<20

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Tank Farm								
		Sample ID:		TF-8337-F-D	TF-8338-F-D	TF-8339-W-C	TF-8340-W-C	TF-8341-W-C	TF-8342-W-C	TF-8343-W-C	TF-7547-W-Q	TF-8344-W-D
		Sample Date:		24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08
		Sample Depth (m):		2.0	2.0	0.1	1.7	2.5	0.1	2.0	Duplicate of	2.0
		Field Screen (ppm) [d]:		5	0	0	10	0	5	10	TF-8343-W-C	20
		ACCUTEST File #:		2818513	2818513	2818513	2818513	2818513	2818513	2818513	2818514	2818513
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330			-			-			
F1 (C6-C10) subsoil [b,c]	ug/g	350	700	-	-		-	-		-	-	-
F2 (C10-C16) surface [b,c]	ug/g	450	760			<20			64			
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000	<20	<20		<20	31		**3180**	896	116
F3 (C16-C34) surface [b,c]	ug/g	400	1700			<20			97			
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500	<20	20		68	33		266	143	<20
F4 (C34-C50) surface [b,c]	ug/g	2800	3300			<20			<20			
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000	<20	<20		<20	<20		<20	<20	<20

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards includ protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:	Tank Farm	Townsite							
		Sample ID:	TF-8345-W-D	TS-7923-F-C	TS-7924-F-C	TS-7925-W-C	TS-7540-W-Q	TS-7926-W-C	TS-7927-F-D	TS-7928-F-D	TS-7929-F-D
		Sample Date:	24-Jul-08	18-Aug-07	18-Aug-07	18-Aug-07	Duplicate of	18-Aug-07	18-Aug-07	18-Aug-07	18-Aug-07
		Sample Depth (m):	2.0	1.2	1.0	0.8	TS-7925-W-C	1.0	1.3	1.2	1.0
		Field Screen (ppm) [d]:	10	120	100	20	20	75	60	400	40
		ACCUTEST File #:	2818513	2718993	2718993	2718993	2718993	2718993	2718993	2718993	2718993
		Nanisivik Mine SQROs									
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results							
Extractable Hydrocarbons[a]											
F1 (C6-C10) surface [b,c]	ug/g	130	330		31	-	-	<20	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700	-								
F2 (C10-C16) surface [b,c]	ug/g	450	760		<20	<20	<20	<20	<20	155	255	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000	**3690**								
F3 (C16-C34) surface [b,c]	ug/g	400	1700		<20	<20	<20	<20	<20	<20	25	<20
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500	242								
F4 (C34-C50) surface [b,c]	ug/g	2800	3300		<20	<20	<20	<20	<20	<20	<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000	<20								

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards inclu protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Townsite									
		Sample ID:		TS-7930-W-C	TS-8115-D-F	TS-8393-F-C	TS-8394-F-C	TS-7553-F-Q	TS-8397-F-C	TS-8398-F-D	TS-8399-F-D	TS-8401-F-C	TS-8402-F-C
		Sample Date:		18-Aug-07	29-Aug-07	4-Sep-08	4-Sep-08	Duplicate of	4-Sep-08	4-Sep-08	4-Sep-08	5-Sep-08	5-Sep-08
		Sample Depth (m):		1.4	>1.5	0.0	0.0	TS-8394-F-C	>1.5	>1.5	>1.5	0.0	0.0
		Field Screen (ppm) [d]:		55	25	-	-	-	-	-	-	-	-
		ACCUTEST File #:		2718993	2720165	2823123	2823123	2823123	2823123	2823123	2823123	2823123	2823123
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	<20		<20	<20	<20				<20	33
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000		<20				<20	<20	50		
F3 (C16-C34) surface [b,c]	ug/g	400	1700	<20		53	37	44				32	35
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500		<20				24	<20	44		
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20		<20	<20	<20				<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000		<20				<20	<20	<20		

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Townsite									
		Sample ID:		TS-8404-F-C	TS-8414-F-C	TS-8415-F-C	TS-8434-F-C	TS-8435-F-C	TS-8436-F-C	TS-8437-F-C	TS-8441-F-C	TS-8442-F-C	TS-8445-F-C
		Sample Date:		5-Sep-08	5-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		-	-	-	-	-	-	-	-	-	-
		ACCUTEST File #:		2823123	2823124	2823124	2823124	2823124	2823125	2823125	2823125	2823125	2823125
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	54	29	67	31	26	<20	28	242	48	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	49	24	95	61	219	133	**752**	250	247	85
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	<20	20	<20	22	21	21	36	76	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Townsite		Government Garage		Warehouse Yard				
		Sample ID:		TS-7555-F-Q	TS-8446-F-C	GG-8447-F-C	GG-8448-F-C	WR-8285-F-C	WR-8286-F-C	WR-8287-F-C	WR-7545-W-Q	WR-8288-F-D
		Sample Date:		6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	5-Jul-08	5-Jul-08	5-Jul-08	5-Jul-08	5-Jul-08
		Sample Depth (m):		Duplicate of	0.0	0.0	0.0	0.0	0.0	0.0	Duplicate of	0.0
		Field Screen (ppm) [d]:		TS-8445-F-C	-	-	-	0	5	5	WR-8287-F-C	5
		ACCUTEST File #:		2823125	2823125	2823125	2823125	2816346	2816346	2816346	2816346	2816346
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	21	22	66	34	<20	<20	<20	<20	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	92	71	**1310**	**503**	83	187	181	234	**550**
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	<20	261	80	<20	95	49	80	88
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards includ protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Warehouse Yard								
		Sample ID:		WR-8289-F-D	WR-8291A-F-C	WR-8292-F-C	WR-8292A-F-C	WR-8293-F-C	WR-8294A-F-C	WR-8466-F-C	WR-8297A-F-C	WR-8465-F-C
		Sample Date:		5-Jul-08	10-Aug-08	5-Jul-08	10-Aug-08	5-Jul-08	10-Aug-08	7-Sep-08	10-Aug-08	7-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	Repeat of	0.0	0.0	Repeat of	0.0	Repeat of
		Field Screen (ppm) [d]:		0	-	0	WR-8292-F-C	5	-	WR-8294A-F-C	-	WR-8297A-F-C
		ACCUTEST File #:		2816346	2821014	2816346	2821014	2816346	2821014	2823126	2821014	2823126
		Nanisivik Mine SQROs										
PARAMETER	**UNITS**	**CCME RL**	**CCME CL**	**Analytical Results**								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	**-**	**-**	-	-	**-**	**-**	-	**-**	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	<20	<20	<20	39	<20	174	41	<20	26
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	105	23	333	68	127	49	57	372	**520**
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	26	<20	631	<20	36	<20	32	<500	44
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Warehouse Yard									
		Sample ID:		WR-8298A-F-C	WR-8464-F-C	WR-8299A-F-C	WR-8300-F-C	WR-8300A-F-C	WR-8461-F-C	WR-8301A-F-C	WR-8302A-F-C	WR-8361-F-C	WR-8367-F-C
		Sample Date:		10-Aug-08	7-Sep-08	10-Aug-08	5-Jul-08	10-Aug-08	7-Sep-08	10-Aug-08	10-Aug-08	25-Jul-08	25-Jul-08
		Sample Depth (m):		0.0	Repeat of	0.0	0.0	Repeat of	repeat of	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		-	WR-8298A-F-C	-	0	WR-8300-F-C	WR-8300-F-C	-	-	5	0
		ACCUTEST File #:		2821014	2823126	2821014	2816348	2821014	2823126	2821014	2821014	2818514	2818514
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	**-**	**-**	-	**-**	**-**	-	**-**	-	-	**-**
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	<20	<20	39	<20	<20	<20	<20	<20	44	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	**468**	**711**	**1540**	**468**	**737**	**438**	105	107	177	**577**
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	500	141	1560	1020	1010	57	100	46	22	118
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Warehouse Yard								
		Sample ID:		WR-7549-F-Q	WR-8467-F-C	WR-8368-F-D	WR-8369-F-D	WR-8449-F-C	WR-8450-F-C	WR-8451-F-C	WR-8452-F-C	WR-7556-F-Q
		Sample Date:		25-Jul-08	7-Sep-08	25-Jul-08	25-Jul-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08
		Sample Depth (m):		Duplicate of	Repeat of	0.0	0.0	0.0	0.0	0.0	0.0	Duplicate of
		Field Screen (ppm) [d]:		WR-8367-F-C	WR-7549-F-Q	0	0	-	-	-	-	WR-8452-F-C
		ACCUTEST File #:		2818514	2823126	2818514	2818514	2823125	2823125	2823125	2823126	2823126
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	37	56	<20	<20	<20	<20	<20	<20	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	**656**	**681**	**449**	329	125	22	<20	63	76
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	128	191	94	68	<20	<20	<20	<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Warehouse Yard								
		Sample ID:		WR-8453-F-D	WR-8454-F-D	WR-8455-F-C	WR-7557-F-Q	WR-8456-F-C	WR-8457-F-C	WR-8458-F-C	WR-8459-F-C	WR-8460-F-C
		Sample Date:		7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	Duplicate of	0.0	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		-	-	-	WR-8455-F-C	-	-	-	-	-
		ACCUTEST File #:		2823126	2823126	2823126	2823126	2823126	2823126	2823126	2823126	2823126
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	<20	<20	26	30	<20	<20	<20	<20	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	49	<20	**1010**	**897**	**416**	63	**583**	**451**	287
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	<20	472	1130	256	<20	406	497	65
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

Bold *Concentration Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for cc guideline for commercial land use.*

Bold *Concentration Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Warehouse Yard								
		Sample ID:		WR-8462-F-C	WR-8463-F-C	WR-8468-F-C	WR-8469-F-C	WR-8470-F-C	WR-8471-F-C	WR-8472-F-C	WR-7558-F-Q	WR-8473-F-D
		Sample Date:		7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	Duplicate of	0.0
		Field Screen (ppm) [d]:		-	-	-	-	-	-	-	WR-8472-F-C	-
		ACCUTEST File #:		2823126	2823126	2823126	2823126	2823127	2823127	2823127	2823127	2823127
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	<20	<20	48	25	<20	38	113	185	100
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	387	234	319	173	<20	**880**	**974**	**1210**	**1220**
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	313	76	93	54	<20	123	154	207	166
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
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a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Warehouse Yard					Road to Dock			
		Sample ID:		WR-8474-F-D	WR-8475-F-C	WR-8476-F-C	WR-8477-F-C	WR-8478-F-C	RD-8307-F-C	RD-8487-F-C	RD-8308-F-C	RD-8326-F-C
		Sample Date:		7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	21-Jul-08	7-Sep-08	21-Jul-08	21-Jul-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	Repeat of	0.0	0.0
		Field Screen (ppm) [d]:		-	-	-	-	-	0	RD-8307-F-C	5	0
		ACCUTEST File #:		2823127	2823127	2823127	2823127	2823127	2818271	2823127	2818271	2818272
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	166	21	64	92	<20	111	111	<20	62
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	**1350**	**470**	**708**	**1250**	363	**1890**	**1590**	195	385
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	176	81	128	103	70	2020	224	21	<500
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

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b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Road to Dock									
		Sample ID:		RD-8328-F-Q	RD-8422-F-C	RD-8346-F-C	RD-8423-F-C	RD-8358-F-C	RD-8359-F-C	RD-8360-F-C	RD-8362-F-C	RD-8363-F-C	RD-8421-F-C	RD-8364-F-C
		Sample Date:		21-Jul-08	4-Sep-08	24-Jul-08	4-Sep-08	24-Jul-08	24-Jul-08	25-Jul-08	25-Jul-08	25-Jul-08	4-Sep-08	25-Jul-08
		Sample Depth (m):		Duplicate of	Repeat of	0.0	Repeat of	0.0	0.0	0.0	0.0	0.0	Repeat of	0.0
		Field Screen (ppm) [d]:		RD-8326-F-C	RD-8326-F-C	10	RD-8346-F-C	10	10	0	50	10	RD-8362-F-C	5
		ACCUTEST File #:		2818272	2823124	2818513	2823124	2818514	2818514	2818514	2818514	2818514	2823124	2818514
		Nanisivik Mine SQROs												
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results										
Extractable Hydrocarbons[a]														
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	**-**	-	-	-	-	-	**-**	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700											
F2 (C10-C16) surface [b,c]	ug/g	450	760	74	45	91	289	130	<20	28	216	38	189	23
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000											
F3 (C16-C34) surface [b,c]	ug/g	400	1700	**405**	**672**	305	**863**	116	257	148	129	106	207	134
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500											
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	533	118	46	154	<20	42	27	<20	<20	<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000											

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Notes:
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a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
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c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
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Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Road to Dock								
		Sample ID:		RD-8365-F-C	RD-8366-F-C	RD-8370-F-C	RD-8371-F-C	RD-8378-F-C	RD-7550-F-Q	RD-8379-F-D	RD-8380-F-D	RD-8373-F-C
		Sample Date:		25-Jul-08	25-Jul-08	25-Jul-08	25-Jul-08	23-Aug-08	23-Aug-08	23-Aug-08	23-Aug-08	25-Jul-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	Duplicate of	0.0	0.0	0.0
		Field Screen (ppm) [d]:		0	0	0	0	-	RD-8378-F-C	-	-	0
		ACCUTEST File #:		2818514	2818514	2818514	2818514	2821650	2821650	2821650	2821650	2818514
		Nanisivik Mine SQROs										
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results								
Extractable Hydrocarbons[a]												
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700									
F2 (C10-C16) surface [b,c]	ug/g	450	760	24	<20	31	<20	28	<20	<20	<20	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000									
F3 (C16-C34) surface [b,c]	ug/g	400	1700	138	121	**472**	259	283	211	327	201	296
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500									
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	<20	86	46	47	30	45	45	60
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000									

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Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
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b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
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Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Road to Dock		Industrial Complex							
		Sample ID:		RD-8483-F-C	RD-8479-F-C	IC-5294-W-C	IC-5295-W-C	IC-5299-F-C	IC-6271-F-C	IC-6272-F-C	IC-6273-F-D	IC-6274-F-D	IC-6275-F-C
		Sample Date:		7-Sep-08	7-Sep-08	14-Jun-05	14-Jun-05	14-Jun-05	22-Sep-06	22-Sep-06	22-Sep-06	22-Sep-06	22-Sep-06
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		-	-	0	0	0	5	0	5	5	25
		ACCUTEST File #:		2823127	2823127	2511736	2511736	2511736	2620449	2620449	2620449	2620449	2620450
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	<20	<20	<20	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	20	<20	131.0	<20	142	29	113	<20	176	<20
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	**476**	**481**	<20	<20	65	147	**852**	45	49	213
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	87	103	<20	<20	<20	<20	<20	<20	<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
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a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Industrial Complex									
		Sample ID:		IC-8133-W-C	IC-8134-W-C	IC-8136-W-C	IC-8166-F-C	IC-8168-F-C	IC-8169-F-C	IC-8176-F-C	IC-8177-F-C	IC-8193-F-C	IC-8208-F-C
		Sample Date:		29-Aug-07	29-Aug-07	29-Aug-07	1-Sep-07	2-Sep-07	2-Sep-07	3-Sep-07	3-Sep-07	5-Sep-07	10-Sep-07
		Sample Depth (m):		>3.0	>3.0	>1.5	>1.5	0.0	0.0	>3.0	>3.0	>1.5	>1.5
		Field Screen (ppm) [d]:		10	25	100	35	0	0	100	150	500	45
		ACCUTEST File #:		2720165	2720165	2720168	2720747	2720747	2720747	2720747	2720747	2818271	2816346
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330					-	-				
F1 (C6-C10) subsoil [b,c]	ug/g	350	700	-	-	-	-			-	-	-	-
F2 (C10-C16) surface [b,c]	ug/g	450	760					83	<20				
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000	<20	255	980	58			534	557	21	70
F3 (C16-C34) surface [b,c]	ug/g	400	1700					155	98				
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500	96	308	2360	276			323	1860	732	295
F4 (C34-C50) surface [b,c]	ug/g	2800	3300					20	25				
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000	<20	<20	550	52			52	122	884	91

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Industrial Complex									
		Sample ID:		IC-8282-F-C	IC-8309-F-C	IC-8390-F-C	IC-7551-F-Q	IC-8312-F-C	IC-8314-F-C	IC-8315-F-C	IC-8316-F-D	IC-8317-F-D	IC-8318-F-C
		Sample Date:		3-Jul-08	21-Jul-08	24-Aug-08	24-Aug-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08
		Sample Depth (m):		0.0	0.0	Repeat of	Duplicate of	0.0	0.0	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		30	0	IC-8309-F-C	IC-8390-F-C	5	0	0	0	5	5
		ACCUTEST File #:		2816346	2818271	2821650	2821650	2818271	2818271	2818271	2818271	2818271	2818271
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	70	56	<20	<20	<20	<20	<20	<20	<20	194
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	295	496	180	20	184	28	38	<20	<20	24
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	91	550	37	<20	<20	<20	<20	<20	<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Industrial Complex									
		Sample ID:		IC-8384-F-C	IC-8319-F-D	IC-8320-F-C	IC-8321-F-C	IC-8323-F-C	IC-8325-F-C	IC-8347-F-C	IC-8348-F-C	IC-8349-F-C	IC-8350-F-C
		Sample Date:		24-Aug-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08
		Sample Depth (m):		Repeat of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		IC-8318-F-C	5	5	5	5	5	0	5	0	0
		ACCUTEST File #:		2821650	2818271	2818271	2818271	2818271	2818272	2818513	2818513	2818513	2818513
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	68	<20	36	<20	<20	79	<20	<20	33	33
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	<20	<20	<20	<20	25	289	274	28	140	<20
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Industrial Complex									
		Sample ID:		IC-8351-F-C	IC-8352-F-C	IC-8353-F-C	IC-8354-F-C	IC-8355-F-C	IC-7548-F-Q	RD-8356-F-D	IC-8357-F-D	IC-8374-F-C	IC-8420-F-C
		Sample Date:		24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	23-Aug-08	4-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	Duplicate of	0-Jan-00	0.0	0.0	Repeat of
		Field Screen (ppm) [d]:		0	0	5	10	10	IC-8355-F-C	10.0	5	-	IC-8374-F-C
		ACCUTEST File #:		2818513	2818513	2818513	2818513	2818513	2818514	2818513	2818514	2821650	2823124
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	**-**	-	-	-	-	-	-	-	-	**-**
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	315	31	26	<20	138	104	243	273	223	**1450**
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	<20	93	37	<20	40	32	22	222	183	**509**
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	<20	<20	<20	<20	<20	<20	23	43	75
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Industrial Complex									
		Sample ID:		IC-8375-F-C	IC-8376-F-C	IC -8377-F-C	IC-8381-F-C	IC-8382-F-C	IC-8383-F-C	IC-8385-F-C	IC-8386-F-C	IC-8387-F-C	IC-8388-F-C
		Sample Date:		23-Aug-08	23-Aug-08	23-Aug-08	23-Aug-08	23-Aug-08	23-Aug-08	24-Aug-08	24-Aug-08	24-Aug-08	24-Aug-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Field Screen (ppm) [d]:		-	-	-	-	-	-	-	-	-	-
		ACCUTEST File #:		2821650	2821650	2821650	2821650	2821650	2821650	2821650	2821650	2821650	2821650
		Nanisivik Mine SQROs											
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results									
Extractable Hydrocarbons[a]													
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	**-**	**-**	-	-	**-**	-	**-**
F1 (C6-C10) subsoil [b,c]	ug/g	350	700										
F2 (C10-C16) surface [b,c]	ug/g	450	760	<20	131	<20	35	<20	22	29	<20	181	47
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000										
F3 (C16-C34) surface [b,c]	ug/g	400	1700	<20	258	<20	39	21	178	178	42	206	27
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500										
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	<20	44	<20	<20	<20	30	31	<20	28	<20
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000										

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 8: Remediation Confirmation Soil Samples - Extractable Petroleum Hydrocarbons

		Location:		Industrial Complex			
		Sample ID:		IC-8389-F-C	IC-8488-F-C	IC-8485-F-C	IC-8486-F-C
		Sample Date:		24-Aug-08	7-Sep-08	7-Sep-08	7-Sep-08
		Sample Depth (m):		0.0	Repeat of	0.0	0.0
		Field Screen (ppm) [d]:		-	IC-8389-F-C	-	-
		ACCUTEST File #:		2821650	2823127	2823127	2823127
		Nanisivik Mine SQROs					
PARAMETER	UNITS	CCME RL	CCME CL	Analytical Results			
Extractable Hydrocarbons[a]							
F1 (C6-C10) surface [b,c]	ug/g	130	330	-	-	-	-
F1 (C6-C10) subsoil [b,c]	ug/g	350	700				
F2 (C10-C16) surface [b,c]	ug/g	450	760	158	**1580**	<20	51
F2 (C10-C16) subsoil [b,c]	ug/g	1500	2000				
F3 (C16-C34) surface [b,c]	ug/g	400	1700	295	**749**	364	**736**
F3 (C16-C34) subsoil [b,c]	ug/g	2500	3500				
F4 (C34-C50) surface [b,c]	ug/g	2800	3300	54	131	62	116
F4 (C34-C50) subsoil [b,c]	ug/g	10000	10000				

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Petroleum Hydrocarbon Canada-Wide Standards (PHC CWS). The site-specific exposure pathways used to determine the standards include: protection of soil ingestion, soil contact and nutrient cycling.
b) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
c) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
d) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.

Table 9: Remediation Confirmation Soil Samples - Non-Halogenated Volatile Petroleum Hydrocarbons

		Location:		Tank Farm		Townsite	Industrial Complex		
		Sample ID:		TF-8281-W-C	TF-7544-W-Q	TS-7923-F-C	IC -5294-W-C	IC -5295-W-C	IC -5299-F-C
		Sample Date:		2-Jul-08	2-Jul-08	18-Aug-07	14-Jun-05	14-Jun-05	14-Jun-05
		Sample Depth (m):		1.6	Duplicate	1.2	0.0	0.0	0.0
		Field Screen (ppm)[d]:		0	TF-8281-W-C	120	0	0	0
		ACCUTEST File #:		2816346	2816346	2718993	2511736	2511736	2511736
PARAMETER	UNITS	Nanisivik Mine SQROs CCME RL	CCME CL	Analytical Results					
Non-Halogenated Volatiles[a]									
Benzene	ug/g	0.0095[g]	0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	0.82	0.082	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	ug/g	0.37	0.37	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Total Xylenes[f]	ug/g	11	11	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Meta- & para- Xylene	ug/g	<11	<11	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ortho-xylene	ug/g	<11	<11	<0.1	<0.1	0.1	<0.1	<0.1	<0.1

Bold *Concentration greater than or equal to the CCME soil guideline for residential (RL) land use, and less than the guideline for commercial land use.*

Bold *Concentration greater than or equal to the CCME soil guideline for commercial (CL) land use.*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) Canadian Environmental Quality Guidelines (CEQG). The site-specific factors used for determining the soil quality guideline include: soil ingestion, soil contact and nutrient cycling.
c) Guidelines are dependant upon depth of sample (surface, subsoil >1.5m depth). Surface guidelines applied.
d) Guideline is dependant on medium grain size of soil analyzed (<75 µm, Coarse >75 µm). Median grain size of soil sampled is coarse.
e) Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.
f) Total Xylene calculated as the sum of meta, para and ortho Xylenes.
g) Detection limit greater than guideline criteria.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Tank Farm									
		Sample ID:		TF-8304-F-C	TF-8327-F-Q	TF-8305-F-C	TF-8337-F-D	TF-8338-F-D	TF-8339-W-C	TF-8340-W-C	TF-8341-W-C	TF-8342-W-C	TF-8343-W-C
		Sample Date:		21-Jul-08	Duplicate of	21-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08
		Sample Depth (m):		1.0	TF-8304-F-C	2.0	2.0	2.0	0.1	1.7	2.5	0.1	2.0
		ACCUTEST File #:		2818271	2818272	2818271	2818513	2818513	2818513	2818513	2818513	2818513	2818513
		Nanisivik Mine SQROs[a]											
Parameter	Units	General Mine	Dock	Analytical Results									
Total Metals													
Cadmium	mg/kg	50	2800	0.98	1.25	1.98	1.06	0.92	**60.1**	**111**	9.57	**94.5**	9.24
Lead	mg/kg	1050	4500	29	44.8	61.6	20.7	21.6	**1630**	**2890**	241	**2400**	300
Zinc	mg/kg	23400	44000	325	412	896	263	364	**24000**	**39700**	3710	**37100**	3570

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Tank Farm			Townsite						
		Sample ID:		TF-7547-W-Q	TF-8344-W-D	TF-8345-W-D	TS-8400-F-C	TS-8401-F-C	TS-8402-F-C	TS-8403-F-C	TS-8404-F-C	TS-8405-F-D	TS-8406-F-D
		Sample Date:		Duplicate of	24-Jul-08	24-Jul-08	5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08
		Sample Depth (m):		TF-8343-W-C	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2818514	2818513	2818513	2823123	2823123	2823123	2823123	2823123	2823123	2823123
		Nanisivik Mine SQROs[a]											
Parameter	Units	General Mine	Dock	Analytical Results									
Total Metals													
Cadmium	mg/kg	50	2800	6.85	2.23	4.65	2.1	1.2	1.4	1.3	4.6	1.2	1.9
Lead	mg/kg	1050	4500	269	47.4	128	126	35	64	141	69	38	68
Zinc	mg/kg	23400	44000	2640	800	1580	587	301	392	464	1210	361	516

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Townsite									
		Sample ID:		TS-8407-F-C	TS-8408-F-C	TS-8409-F-C	TS-7552-F-Q	TS-8410-F-C	TS-8411-F-C	TS-8412-F-C	TS-8413-F-C	TS-8414-F-C	TS-8415-F-C	TS-8416-F-C
		Sample Date:		5-Sep-08	5-Sep-08	5-Sep-08	Duplicate of	5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08	5-Sep-08	6-Sep-08	6-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	TS-8409-F-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2823982	2823982	2823123	2823123	2823124	2823124	2823124	2823124	2823124	2823124	2823124
Parameter	Units	Nanisivik Mine SQROs[a] General Mine	Dock	Analytical Results										
Total Metals														
Cadmium	mg/kg	50	2800	3.7	2.7	5.8	5.8	12.3	6.8	3.4	4.0	1.3	4.5	2.1
Lead	mg/kg	1050	4500	187	105	412	436	737	347	124	309	80	184	**1410**
Zinc	mg/kg	23400	44000	1340	1130	2260	2050	4520	2380	969	1690	399	1240	716

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Townsite									
		Sample ID:		TS-8417-F-D	TS-8418-F-D	TS-8419-F-C	TS-8430-F-C	TS-8431-F-C	TS-8432-F-C	TS-8433-F-C	TS-8434-F-C	TS-8435-F-C	TS-8436-F-C	TS-8437-F-C
		Sample Date:		6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2823124	2823124	2823124	2823124	2823124	2823124	2823124	2823124	2823124	2823125/982	2823125
Parameter	Units	Nanisivik Mine SQROs[a] General Mine	Dock	Analytical Results										
Total Metals														
Cadmium	mg/kg	50	2800	2.3	5.2	14.8	1.0	4.1	1.6	1.3	6.3	5.2	2.9	5.7
Lead	mg/kg	1050	4500	**1190**	333	607	89	334	60	79	286	209	155	193
Zinc	mg/kg	23400	44000	646	1580	4440	391	1500	475	404	1600	2000	1390	2080

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Townsite								Gov't Garage
		Sample ID:		TS-8438-F-C	TS-8439-F-C	TS-8440-F-C	TS-8441-F-C	TS-8442-F-C	TS-7554-F-Q	TS-8443-F-D	TS-8444-F-D	TS-8445-F-C	GG-8447-F-C
		Sample Date:		6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08	Duplicate of	6-Sep-08	6-Sep-08	6-Sep-08	6-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	TS-8442-F-C	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2823125	2823125	2823982	2823125	2823125	2823125	2823125	2823125	2823125	2823125
		Nanisivik Mine SQROs[a]											
Parameter	Units	General Mine	Dock	Analytical Results									
Total Metals													
Cadmium	mg/kg	50	2800	3.3	5.8	2.2	17.6	8.9	8.7	5.9	8.3	7.10	7.3
Lead	mg/kg	1050	4500	243	470	290	922	358	450	267	294	630.0	359
Zinc	mg/kg	23400	44000	1010	2180	785	6130	3150	3540	2240	3200	3050	2740

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		East Adit Treatment Facility			Warehouse Yard					
		Sample ID:		EATF-8391-F-C	EATF-8395-F-D	EATF-8396-F-D	WR-8287-F-C	WR-8291A-F-C	WR-8292A-F-C	WR-8294A-F-C	WR-8466-F-C	WR-8297A-F-C
		Sample Date:		5-Sep-08	5-Sep-08	5-Sep-08	5-Jul-08	10-Aug-08	10-Aug-08	10-Aug-08	7-Sep-08	10-Aug-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	Repeat of WR-8294A-F-C	0.0
		ACCUTEST File #:		2823123	2823123	2823123	2816346	2821014	2821014	2821014	2823126	2821014
		Nanisivik Mine SQROs[a]										
Parameter	Units	General Mine	Dock	Analytical Results								
Total Metals												
Cadmium	mg/kg	50	2800	10.4	11.1	9.7	25.7	7.9	2.3	12.7	9.6	5.8
Lead	mg/kg	1050	4500	584	611	686	971	361	111	671	457	295
Zinc	mg/kg	23400	44000	3610	4990	2990	10600	2900	620	4090	3880	1800

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Warehouse Yard									
		Sample ID:		WR-8465-F-C	WR-8298A-F-C	WR-8464-F-C	WR-8299A-F-C	WR-8300A-F-C	WR-8301A-F-C	WR-8302A-F-C	WR-8361-F-C	WR-8367-F-C	WR-7549-F-Q
		Sample Date:		7-Sep-08	10-Aug-08	7-Sep-08	10-Aug-08	10-Aug-08	10-Aug-08	10-Aug-08	25-Jul-08	25-Jul-08	Duplicate of
		Sample Depth (m):		Repeat of WR-8297A-F-C	0.0	Repeat of WR-8298A-F-C	0.0	0.0	0.0	0.0	0.0	0.0	WR-8367-F-C
		ACCUTEST File #:		2823126	2821014	2823126	2821014	2821014	2821014	2821014	2818514	2818514	2818514
		Nanisivik Mine SQROs[a]											
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**									
Total Metals													
Cadmium	mg/kg	50	2800	2.2	2.1	17.5	3.5	11.3	1.9	2.2	**63.7**	**58.4**	49.1
Lead	mg/kg	1050	4500	119	127	523	195	396	130	74	**1830**	**2710**	**2280**
Zinc	mg/kg	23400	44000	866	610	7120	958	3180	511	605	23300	22200	17600

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Warehouse Yard								Road to Dock	
		Sample ID:		WR-8467-F-C	WR-8368-F-D	WR-8369-F-D	WR-8469-F-C	WR-8475-F-C	WR-8476-F-C	WR-8477-F-C	WR-8478-F-C	RD-8307-F-C	RD-8487-F-C
		Sample Date:		7-Sep-08	25-Jul-08	25-Jul-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	21-Jul-08	7-Sep-08
		Sample Depth (m):		Repeat of WR-8367-F-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Repeat of RD-8307-F-C
		ACCUTEST File #:		2823126	2818514	2818514	2823126	2823127	2823127	2823127	2823127	2818271	2823127
Parameter	Units	Nanisivik Mine SQROs[a] General Mine	Dock	Analytical Results									
Total Metals													
Cadmium	mg/kg	50	2800	48.8	**51.6**	30.1	23.8	35.0	**67.3**	**60.0**	**52.8**	**55.7**	**71.3**
Lead	mg/kg	1050	4500	**2210**	**3110**	**1400**	**2260**	1480.0	**2650**	**2410**	**2610**	**2130**	**3470**
Zinc	mg/kg	23400	44000	15500	19500	11100	10700	11900	22800	20100	18400	19900	**23900**

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Road to Dock								
		Sample ID:		RD-8308-F-C	RD-8326-F-C	RD-8328-F-Q	RD-8422-F-C	RD-8346-F-C	RD-8423-F-C	RD-8358-F-C	RD-8359-F-C	RD-8360-F-C	RD-8362-F-C
		Sample Date:		21-Jul-08	21-Jul-08	Duplicate of	4-Sep-08	24-Jul-08	4-Sep-08	24-Jul-08	24-Jul-08	25-Jul-08	25-Jul-08
		Sample Depth (m):		0.0	0.0	RD-8326-F-C	Repeat of RD-8326-F-C	0.0	Repeat of RD-8346-F-C	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2818271	2818272	2818272	2823124	2818513	2823124	2818514	2818514	2818514	2818514
		Nanisivik Mine SQROs[a]											
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**									
Total Metals													
Cadmium	mg/kg	50	2800	12.9	10.6	11.2	27.9	11.2	6.7	1.68	**50.3**	40.5	7.91
Lead	mg/kg	1050	4500	453	389	393	**1290**	358	274	81	**1480**	**1690**	267
Zinc	mg/kg	23400	44000	5080	3980	4330	8700	3640	1910	497	19600	15400	2800

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Road to Dock									
		Sample ID:		RD-8421-F-C	RD-8363-F-C	RD-8364-F-C	RD-8365-F-C	RD-8366-F-C	RD-8370-F-C	RD-8371-F-C	RD-8373-F-C	RD-8378-F-C	RD-7550-F-Q
		Sample Date:		4-Sep-08	25-Jul-08	25-Jul-08	25-Jul-08	25-Jul-08	25-Jul-08	25-Jul-08	25-Jul-08	23-Aug-08	Duplicate of
		Sample Depth (m):		Repeat of RD-8362-F-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RD-8378-F-C
		ACCUTEST File #:		2823124	2818514	2818514	2818514	2818514	2818514	2818514	2818514	2821652	2821652
		Nanisivik Mine SQROs[a]											
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**									
Total Metals													
Cadmium	mg/kg	50	2800	6.3	36.3	**67.5**	11.8	**60.5**	31.5	41.4	25.1	20.5	18.7
Lead	mg/kg	1050	4500	252	708	**1680**	305	**2540**	**1280**	**1220**	**1150**	555	456
Zinc	mg/kg	23400	44000	2190	14400	**26500**	4330	21900	11100	15400	9790	7670	7050

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
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a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Road to Dock				Industrial Complex						
		Sample ID:		RD-8379-F-D	RD-8380-F-D	RD-8483-F-C	RD-8479-F-C	IC-8166-F-C	IC-8168-F-C	IC-8169-F-C	IC-8176-F-C	IC-8177-F-C	IC-8182-F-C	IC-8193-F-C
		Sample Date:		23-Aug-08	23-Aug-08	7-Sep-08	7-Sep-08	2-Sep-07	2-Sep-07	3-Sep-07	3-Sep-07	3-Sep-07	5-Sep-07	8-Sep-07
		Sample Depth (m):		0.0	0.0	0.0	0.0	>1.5	0.0	0.0	>3.0	>3.0	>3.0	>1.5
		ACCUTEST File #:		2821652	2821652	2823127	2823127	2720747	2720747	2720747	2720747	2720747	2720747	2721349
Parameter	Units	Nanisivik Mine SQROs[a] General Mine	Dock	Analytical Results										
Total Metals														
Cadmium	mg/kg	50	2800	13.2	39.6	**209**	34.3	-	-	-	-	-	-	11.7
Lead	mg/kg	1050	4500	403	**1200**	**5340**	**1550**	**1240**	**1320**	**1890**	231	**1080**	175	505
Zinc	mg/kg	23400	44000	4900	14200	**67600**	11700	7210	11200	20700	1530	10400	1320	4370

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
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Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Industrial Complex										
		Sample ID:		IC-8206-F-C	IC-8282-F-C	IC-8309-F-C	IC-8390-F-C	IC-7551-F-Q	IC-8312-F-C	IC-8314-F-C	IC-8315-F-C	IC-8316-F-D	IC-8317-F-D	IC-8318-F-C
		Sample Date:		10-Sep-07	3-Jul-08	21-Jul-08	24-Aug-08	Duplicate of	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08
		Sample Depth (m):		0.0	0.0	0.0	Repeat of IC-8309-F-C	IC-8390-F-C	0.0	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2721349	2816346	2818271	2821652	2821652	2818271	2818271	2818271	2818271	2818271	2818271
		Nanisivik Mine SQROs[a]												
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**										
Total Metals														
Cadmium	mg/kg	50	2800	45.1	11.2	20.7	36.9	14.4	5.91	9.45	6.2	5.76	2.62	3.31
Lead	mg/kg	1050	4500	**2630**	404	947	**1490**	610	241	320	160	180	61.4	96.6
Zinc	mg/kg	23400	44000	15900	4210	7590	12300	4670	2500	3780	1770	1950	1050	1220

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
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Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Industrial Complex										
		Sample ID:		IC-8384-F-C	IC-8319-F-D	IC-8320-F-C	IC-8321-F-C	IC-8323-F-C	IC-8324-F-C	IC-8325-F-C	IC-8347-F-C	IC-8348-F-C	IC-8349-F-C	IC-8350-F-C
		Sample Date:		24-Aug-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	21-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08
		Sample Depth (m):		Repeat of IC-8318-F-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2821652	2818271	2818271	2818271	2818271	2818272	2818272	2818513	2818513	2818513	2818513
		Nanisivik Mine SQROs[a]												
Parameter	**Units**	**General Mine**	**Dock**	**Analytical Results**										
Total Metals														
Cadmium	mg/kg	50	2800	2.6	4.87	6.76	7.00	3.02	2.05	3.77	5.43	2.4	2.84	3.44
Lead	mg/kg	1050	4500	113	114	206	259.0	109	123	76.6	104	71	60	156
Zinc	mg/kg	23400	44000	1050	1380	2620	2700	1190	924	1100	1950	881	938	1140

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
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Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Industrial Complex										
		Sample ID:		IC-8351-F-C	IC-8352-F-C	IC-8353-F-C	IC-8354-F-C	IC-8355-F-C	IC-7548-F-Q	IC-8356-F-D	IC-8357-F-D	IC-8374-F-C	IC-8375-F-C	IC-8376-F-C
		Sample Date:		24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	24-Jul-08	Duplicate of	24-Jul-08	24-Jul-08	23-Aug-08	23-Aug-08	23-Aug-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	IC-8355-F-C	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2818513	2818513	2818513	2818513	2818513	2818514	2818513	2818514	2821652	2821652	2821652
		Nanisivik Mine SQROs[a]												
Parameter	Units	General Mine	Dock	Analytical Results										
Total Metals														
Cadmium	mg/kg	50	2800	2.98	5.69	4.73	2.94	1.92	1.70	0.85	1.33	7.30	3.2	20.7
Lead	mg/kg	1050	4500	85.0	196	135	58.8	93.5	80.5	45.6	57.1	238.0	137	422
Zinc	mg/kg	23400	44000	1020	2080	1560	1040	720	496	287	392	3030	1360	8590

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Industrial Complex										
		Sample ID:		IC-8377-F-C	IC-8381-F-C	IC-8382-F-C	IC-8383-F-C	IC-8385-F-C	IC-8386-F-C	IC-8387-F-C	IC-8388-F-C	IC-8389-F-C	IC-8488-F-C	IC-8420-F-C
		Sample Date:		23-Aug-08	23-Aug-08	23-Aug-08	23-Aug-08	24-Aug-08	24-Aug-08	24-Aug-08	24-Aug-08	24-Aug-08	7-Sep-08	4-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Repeat of IC-8389-F-C	0.0
		ACCUTEST File #:		2821652	2821652	2821652	2821652	2821652	2821652	2821652	2821652	2821652	2823127	2823124
Parameter	Units	Nanisivik Mine SQROs[a] General Mine	Dock	Analytical Results										
Total Metals														
Cadmium	mg/kg	50	2800	11.7	5.8	6.4	17.9	23.7	4.5	4.4	2.9	4.1	5.1	1.4
Lead	mg/kg	1050	4500	290	188	245	629	**1180**	161	147	127	166	198	62
Zinc	mg/kg	23400	44000	5670	2060	2870	7390	8320	1620	1710	1110	1650	1770	430

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
"<" = Less than analytical method detection limit.
"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 10: Remediation Confirmation Soil Samples - Metals

		Location		Industrial Complex					
		Sample ID:		IC-8480-F-C	IC-8481-F-C	IC-8482-F-C	IC-8484-F-C	IC-8485-F-C	IC-8486-F-C
		Sample Date:		7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08	7-Sep-08
		Sample Depth (m):		0.0	0.0	0.0	0.0	0.0	0.0
		ACCUTEST File #:		2823127	2823127	2823127	2823127	2823127	2823127
		Nanisivik Mine SQROs[a]							
Parameter	Units	General Mine	Dock	Analytical Results					
Total Metals									
Cadmium	mg/kg	50	2800	**53.6**	**242**	**147**	**75.6**	**65.0**	**78.9**
Lead	mg/kg	1050	4500	**5400**	**6050**	**7510**	**6170**	**2610**	**3490**
Zinc	mg/kg	23400	44000	16300	**92600**	**51900**	22600	20100	**23400**

Bold *Concentrations greater than or equal to the site specific SQRO for the General Mine Area*

Bold *Concentrations geater than or equal to the site specific SQRO for the Dock Area*

Notes:
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"-" = Analysis not conducted, or no guideline.

a) The site specific Soil Quality Remediation Objectives (SQROs) for the Nanisivik Mine Site are based on the approved Human Health and Ecological Risk Assessment, Nunavut Mine, Nunavut, Jacques Whitford Environmental Limited, October 2003.

Table 11: Quality Assurance and Quality Control Field Screen Soil Samples - Metals

		Date:		6-May-05	30-May-05	21-Jun-05	22-Jun-05	22-Jun-05	22-Jun-05	22-Jun-05	23-Jun-05	23-Jun-05	23-Jun-05	25-Jun-05
		Sample ID:		5150	5248	5370	5390	5392	5394	5396	5398	5400	5402	5421
		Duplicate ID:		5151	5249	5371	5391	5393	5395	5397	5399	5401	5403	5422
PARAMETER	**Units**	**MRL**	**PQL**	**Analytical Results**										
On Site Field Screening Duplicates[a]														
Lead (Pb)														
Sample Result	%	0.004	0.02	0.035	0.098	0.800	0.035	0.055	0.243	0.095	0.107	0.166	0.145	0.554
Duplicate Result	%	0.004	0.02	0.017	0.061	0.420	0.041	0.038	0.228	0.116	0.102	0.079	0.050	0.616
RpD	**%**			**69%**	47%	**62%**	16%	37%	6%	20%	5%	**71%**	**97%**	11%
Zinc (Zn)														
Sample Result	%	0.004	0.02	0.038	0.476	7.410	0.051	0.303	3.919	0.971	0.239	0.398	0.326	3.162
Duplicate Result	%	0.004	0.02	0.040	0.186	7.650	0.056	0.052	3.764	1.310	0.308	0.147	0.047	3.587
RpD	**%**			5%	**88%**	3%	9%	**141%**	4%	30%	25%	**92%**	**150%**	13%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

[a] Field screeing results are measured using a Xmet portable X-Ray Florescence elemental analyser that has not been calibrated to a lead or zinc standard

Table 11: Quality Assurance and Quality Control Field Screen Soil Samples - Metals

			Date:	25-Jun-05	27-Jun-05	27-Jun-05	27-Jun-05	7-Jul-05	16-Jul-05	21-Sep-06	21-Sep-06	21-Sep-06	21-Sep-06	21-Sep-06
			Sample ID:	5423	5437	5440	5442	5498	5575	6236	6242	6246	6249	6252
			Duplicate ID:	5427	5439	5441	5443	5499	5577	62374	62434	62474	62504	62534
PARAMETER	**Units**	**MRL**	**PQL**	**Analytical Results**										
On Site Field Screening Duplicates[a]														
Lead (Pb)														
Sample Result	%	0.004	0.02	0.289	0.662	1.239	0.152	0.146	0.336	0.324	0.085	0.126	0.175	0.404
Duplicate Result	%	0.004	0.02	1.368	0.615	1.559	0.135	0.145	0.363	0.395	0.076	0.388	0.108	0.488
RpD	**%**			**130%**	7%	23%	12%	1%	8%	20%	11%	**102%**	47%	19%
Zinc (Zn)														
Sample Result	%	0.004	0.02	2.377	4.314	6.127	0.653	0.319	3.174	2.635	0.628	1.186	1.740	5.764
Duplicate Result	%	0.004	0.02	2.318	4.404	7.935	0.487	0.279	3.691	4.620	0.465	4.113	0.823	6.248
RpD	**%**			3%	2%	26%	29%	13%	15%	**55%**	30%	**110%**	**72%**	8%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

[a] Field screeing results are measured using a Xmet portable X-Ray Florescence elemental analyser that has not been calibrated to a lead or zinc standard

Table 11: Quality Assurance and Quality Control Field Screen Soil Samples - Metals

				Date:	28-May-07	28-May-07	30-May-07	30-May-07	30-May-07	31-May-07	1-Jun-07	4-Jun-07	4-Jun-07	5-Jun-07	5-Jun-07
				Sample ID:	7007	7018	7034	7047	7059	7070	7082	7092	7123	7137	7147
				Duplicate ID:	7500	7501	7502	7503	7504	7505	7506	7507	7508	7509	7510
PARAMETER	**Units**	**MRL**	**PQL**		**Analytical Results**										
On Site Field Screening Duplicates[a]															
Lead (Pb)															
Sample Result	%	0.004	0.02		0.126	0.435	0.101	0.495	0.128	0.248	0.315	0.239	0.711	0.600	0.144
Duplicate Result	%	0.004	0.02		0.136	0.371	0.092	0.496	0.122	0.258	0.309	0.204	0.750	0.618	0.153
RpD	**%**				8%	16%	9%	0%	5%	4%	2%	16%	5%	3%	6%
Zinc (Zn)															
Sample Result	%	0.004	0.02		0.408	3.949	1.127	3.932	0.837	2.849	3.005	2.123	10.080	13.280	1.104
Duplicate Result	%	0.004	0.02		0.470	3.635	1.043	3.973	0.804	2.944	3.016	1.670	10.740	13.690	1.264
RpD	**%**				14%	8%	8%	1%	4%	3%	0%	24%	6%	3%	14%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

[a] Field screeing results are measured using a Xmet portable X-Ray Florescence elemental analyser that has not been calibrated to a lead or zinc standard

Table 11: Quality Assurance and Quality Control Field Screen Soil Samples - Metals

			Date:	5-Jun-07	5-Jun-07	8-Jun-07	8-Jun-07	8-Jun-07	10-Jun-07	11-Jun-07	11-Jun-07	11-Jun-07	11-Jun-07	12-Jun-07
			Sample ID:	7157	7167	7188	7198	7208	7218	7259	7269	7279	7289	7299
			Duplicate ID:	7511	7512	7513	7514	7515	7516	7517	7518	7519	7520	7521
PARAMETER	**Units**	**MRL**	**PQL**	**Analytical Results**										
On Site Field Screening Duplicates[a]														
Lead (Pb)														
Sample Result	%	0.004	0.02	0.456	0.146	0.683	0.467	0.246	0.473	0.469	0.414	0.357	0.649	0.543
Duplicate Result	%	0.004	0.02	0.425	0.142	0.675	0.500	0.245	0.479	0.462	0.392	0.360	0.653	0.539
RpD	**%**			7%	3%	1%	7%	0%	1%	2%	5%	1%	1%	1%
Zinc (Zn)														
Sample Result	%	0.004	0.02	5.441	1.392	8.323	6.136	2.799	8.373	6.234	3.361	4.403	9.235	5.011
Duplicate Result	%	0.004	0.02	5.251	1.385	8.160	6.745	2.820	8.106	5.988	3.269	4.420	9.169	5.091
RpD	**%**			4%	1%	2%	9%	1%	3%	4%	3%	0%	1%	2%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

[a] Field screeing results are measured using a Xmet portable X-Ray Florescence elemental analyser that has not been calibrated to a lead or zinc standard

Table 11: Quality Assurance and Quality Control Field Screen Soil Samples - Metals

			Date:	12-Jun-07	12-Jun-07	14-Jun-07	11-Jul-07	14-Jul-07	18-Jul-07	18-Jul-07	20-Jul-07	22-Jul-07	25-Jul-07	28-Jul-07
			Sample ID:	7309	7319	7329	7434	7461	7481	7491	7611	7639	7658	7717
			Duplicate ID:	7522	7523	7524	7524	7526	7527	7528	7529	7530	7531	7532
PARAMETER	**Units**	**MRL**	**PQL**	**Analytical Results**										
On Site Field Screening Duplicates[a]														
Lead (Pb)														
Sample Result	%	0.004	0.02	0.059	0.489	0.127	0.306	0.279	0.120	0.113	0.169	0.066	0.133	0.430
Duplicate Result	%	0.004	0.02	0.061	0.497	0.135	0.357	0.278	0.120	0.117	0.171	0.063	0.151	0.484
RpD	**%**			3%	2%	6%	15%	0%	0%	3%	1%	5%	13%	12%
Zinc (Zn)														
Sample Result	%	0.004	0.02	0.163	9.004	0.249	2.324	2.026	1.055	1.120	1.262	0.261	1.107	3.879
Duplicate Result	%	0.004	0.02	0.181	9.076	0.260	2.797	1.968	1.048	1.027	1.198	0.244	1.242	4.286
RpD	**%**			10%	1%	4%	18%	3%	1%	9%	5%	7%	11%	10%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

[a] Field screeing results are measured using a Xmet portable X-Ray Florescence elemental analyser that has not been calibrated to a lead or zinc standard

Table 11: Quality Assurance and Quality Control Field Screen Soil Samples - Metals

		Date:		29-Jul-07	30-Jul-07	31-Jul-07	1-Aug-07	4-Aug-07	6-Aug-07	9-Aug-07	19-Aug-07	19-Aug-07	8-Sep-07
		Sample ID:		7727	7745	7757	7762	7799	7809	7820	7909	7919	8190
		Duplicate ID:		7533	7534	7535	7536	7537	7538	7539	7541	7542	7543
PARAMETER	**Units**	**MRL**	**PQL**	**Analytical Results**									
On Site Field Screening Duplicates[a]													
Lead (Pb)													
Sample Result	%	0.004	0.02	0.062	0.143	0.041	0.099	0.263	0.244	0.049	0.149	0.074	0.710
Duplicate Result	%	0.004	0.02	0.061	0.129	0.040	0.099	0.289	0.234	0.049	0.151	0.073	0.714
RpD	**%**			2%	10%	2%	0%	9%	4%	0%	1%	1%	1%
Zinc (Zn)													
Sample Result	%	0.004	0.02	0.379	1.373	0.064	0.523	2.629	3.144	0.177	0.955	0.444	5.431
Duplicate Result	%	0.004	0.02	0.337	1.219	0.052	0.538	2.755	3.022	0.217	1.014	0.499	5.329
RpD	**%**			12%	12%	21%	3%	5%	4%	20%	6%	12%	2%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

[a] Field screeing results are measured using a Xmet portable X-Ray Florescence elemental analyser that has not been calibrated to a lead or zinc standard

Table 12: Quality Assurance and Quality Control Remediation Soil Samples - Petroleum Hydrocarbons

		Sample Parent:		TF-8281-W-C	TF-8304-F-C			TF-8343-W-C			TS-7925-W-C	TS-8394-F-C	TS-8445-F-C
		Sample ID:		TF-8281-W-C	TF-8304-F-C	TF-8304-F-C	TF-8304-F-C	TF-8343-W-C	TF-8343-W-C	TF-8343-W-C	TS-7925-W-C	TS-8394-F-C	TS-8445-F-C
		Duplicate ID:		TF-7544-W-Q	TF -8327-F-Q	TF-8337-F-D	TF-8338-F-D	TF-7547-W-Q	TF-8344-W-D	TF-8345-W-D	TS-7540-W-Q	TS-7553-F-Q	TS-7555-F-Q
Parameter	**Units**	**MRL**	**PQL**	**Analytical Results**									
PHC Fraction 1													
Sample Result	ug/g	20	100	<20	-	-	-	-	-	-	-	-	-
Duplicate Result	ug/g	20	100	<20	-	-	-	-	-	-	<20	-	-
RpD	**%**			*na*	-	-	-	-	-	-	*na*	-	-
PHC Fraction 2													
Sample Result	ug/g	20	100	<20	<20	<20	<20	3180	3180	3180	<20	<20	<20
Duplicate Result	ug/g	20	100	<20	24	<20	<20	896	116	3690	<20	<20	21
RpD	**%**			*na*	*na*	*na*	*na*	**112%**	**186%**	15%	*na*	*na*	*na*
PHC Fraction 3													
Sample Result	ug/g	20	100	<20	<20	<20	<20	266	266	266	<20	37	85
Duplicate Result	ug/g	20	100	<20	<20	<20	<20	143	<20	242	<20	44	92
RpD	**%**			*na*	*na*	*na*	*na*	**60%**	*na*	9%	*na*	*na*	*na*
PHC Fraction 4													
Sample Result	ug/g	20	100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Duplicate Result	ug/g	20	100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
RpD	**%**			*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:
na RpD value is not applicable because one or both results are less than the PQL.
*RpD Relative Percent Difference = (Difference/Average)*100.*
*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*
MRL Method Reporting Limit of analysis.

Table 12: Quality Assurance and Quality Control Remediation Soil Samples - Petroleum Hydrocarbons

		Sample Parent:		TS-8397-F-C		WR-8287-F-C			WR-8294-F-C			WR-8367-F-C	
		Sample ID:		TS-8397-F-C	TS-8397-F-C	WR-8287-F-C	WR-8287-F-C	WR-8287-F-C	WR-8294-F-C	WR-8294-F-C	WR-8294-F-C	WR-8367-F-C	WR-8367-F-C
		Duplicate ID:		TS-8398-F-D	TS-8399-F-D	WR-7545-F-Q	WR-8288-F-D	WR-8289-F-D	WR-7546-F-Q	WR-8295-F-D	WR-8296-F-D	WR-8368-F-D	WR-8369-F-D
Parameter	**Units**	**MRL**	**PQL**	**Analytical Results**									
PHC Fraction 1													
Sample Result	ug/g	20	100	-	-	-	-	-	-	-	-	-	-
Duplicate Result	ug/g	20	100	-	-	-	-	-	-	-	-	-	-
RpD	**%**			-	-	-	-	-	-	-	-	-	-
PHC Fraction 2													
Sample Result	ug/g	20	100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Duplicate Result	ug/g	20	100	<20	50	<20	<20	<20	<20	<20	71	<20	<20
RpD	**%**			*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*
PHC Fraction 3													
Sample Result	ug/g	20	100	24	24	181	181	181	1720	1720	1720	577	577
Duplicate Result	ug/g	20	100	<20	44	234	550	105	1560	1810	13100	449	329
RpD	**%**			*na*	*na*	26%	**101%**	**53%**	10%	5%	**154%**	25%	**55%**
PHC Fraction 4													
Sample Result	ug/g	20	100	<20	<20	49	49	49	3920	3920	3920	118	118
Duplicate Result	ug/g	20	100	<20	<20	80	88	26	3680	5050	38100	94	68
RpD	**%**			*na*	*na*	*na*	*na*	*na*	6%	25%	**163%**	*na*	*na*

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

Table 12: Quality Assurance and Quality Control Remediation Soil Samples - Petroleum Hydrocarbons

		Sample Parent:		WR-8367-F-C	WR-8452-F-C			WR-8455-F-C	WR-8472-F-C			RD-8326-F-C	RD-8378-F-C
		Sample ID:		WR-8367-F-C	WR-8452-F-C	WR-8452-F-C	WR-8452-F-C	WR-8455-F-C	WR-8472-F-C	WR-8472-F-C	WR-8472-F-C	RD-8326-F-C	RD-8378-F-C
		Duplicate ID:		WR-7549-F-Q	WR-7556-F-Q	WR-8453-F-D	WR-8454-F-D	WR-7557-F-Q	WR-7558-F-Q	WR-8473-F-D	WR-8474-F-D	RD-8328-F-Q	RD-7550-F-Q
Parameter	**Units**	**MRL**	**PQL**	**Analyitcal Results**									
PHC Fraction 1													
Sample Result	ug/g	20	100	-	-	-	-	-	-	-	-	-	-
Duplicate Result	ug/g	20	100	-	-	-	-	-	-	-	-	-	-
RpD	**%**			-	-	-	-	-	-	-	-	-	-
PHC Fraction 2													
Sample Result	ug/g	20	100	<20	<20	<20	<20	26	113	113	113	62	28
Duplicate Result	ug/g	20	100	37	<20	<20	<20	30	185	100	166	74	<20
RpD	**%**			*na*	*na*	*na*	*na*	*na*	48%	12%	38%	*na*	*na*
PHC Fraction 3													
Sample Result	ug/g	20	100	577	63	63	63	1010	974	974	974	385	283
Duplicate Result	ug/g	20	100	656	76	49	<20	897	1210	1220	1350	405	211
RpD	**%**			13%	*na*	*na*	*na*	12%	22%	22%	32%	5%	29%
PHC Fraction 4													
Sample Result	ug/g	20	100	118	<20	<20	<20	472	154	154	154	<500	47
Duplicate Result	ug/g	20	100	128	<20	<20	<20	1130	207	166	176	533	30
RpD	**%**			8%	*na*	*na*	*na*	**82%**	29%	8%	13%	*na*	*na*

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

Table 12: Quality Assurance and Quality Control Remediation Soil Samples - Petroleum Hydrocarbons

		Sample Parent:		RD-8378-F-C		IC-8315-F-C		IC-8355-F-C			IC-8390-F-C
		Sample ID:		RD-8378-F-C	RD-8378-F-C	IC-8315-F-C	IC-8315-F-C	IC-8355-F-C	IC-8355-F-C	IC-8355-F-C	IC-8390-F-C
		Duplicate ID:		RD-8379-F-D	RD-8380-F-D	IC-8316-F-D	IC-8317-F-D	IC-7548-F-Q	IC-8356-F-D	IC-8357-F-D	IC-7551-F-Q
Parameter	**Units**	**MRL**	**PQL**	**Analytical Results**							
PHC Fraction 1											
Sample Result	ug/g	20	100	-	-	-	-	-	-	-	-
Duplicate Result	ug/g	20	100	-	-	-	-	-	-	-	-
RpD	**%**			-	-	-	-	-	-	-	-
PHC Fraction 2											
Sample Result	ug/g	20	100	28	28	<20	<20	138	138	138	<20
Duplicate Result	ug/g	20	100	<20	<20	<20	<20	104	243	273	<20
RpD	**%**			*na*	*na*	*na*	*na*	28%	**55%**	**66%**	*na*
PHC Fraction 3											
Sample Result	ug/g	20	100	283	283	38	38	40	40	40	180
Duplicate Result	ug/g	20	100	327	201	<20	<20	32	22	222	20
RpD	**%**			14%	34%	*na*	*na*	*na*	*na*	*na*	*na*
PHC Fraction 4											
Sample Result	ug/g	20	100	47	47	<20	<20	<20	<20	<20	37
Duplicate Result	ug/g	20	100	45	45	<20	<20	<20	<20	23	<20
RpD	**%**			*na*	*na*	*na*	*na*	*na*	*na*	*na*	*na*

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:
na RpD value is not applicable because one or both results are less than the PQL.
*RpD Relative Percent Difference = (Difference/Average)*100.*
*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*
MRL Method Reporting Limit of analysis.

Table 13: Quality Assurance and Quality Control Remediation Soil Samples - Metals

		Sample Parent:		TF-8304-F-C	TF-8343-W-C	TS-8409-F-C	TS-8442-F-C	TS-8442-F-C		WR-8367-F-C			RD-8326-F-C
		Sample ID:		TF-8304-F-C	TF-8343-W-C	TS-8409-F-C	TS-8442-F-C	TS-8442-F-C	TS-8442-F-C	WR-8367-F-C	WR -8367-F-C	WR-8367-F-C	RD-8326-F-C
		Duplicate ID:		TF-8327-F-Q	TF-7547-W-Q	TS-7552-F-Q	TS-7554-F-Q	TS-8443-F-D	TS-8444-F-D	WR-8368-F-D	WR-8369-F-D	WR-7549-F-Q	RD-8328-F-Q
Parameter	**Units**	**MRL**	**PQL**	**Analytical Results**									
Cadmium (Cd)													
Sample Result	mg/kg	0.01	0.05	0.98	9.24	5.8	8.9	8.9	8.9	58.4	58.4	58.4	10.6
Duplicate Result	mg/kg	0.01	0.05	1.25	6.85	5.8	8.7	5.9	8.3	51.6	30.1	49.1	11.2
RpD	**%**			24%	30%	0%	2%	41%	7%	12%	**64%**	17%	6%
Lead (Pb)													
Sample Result	mg/kg	0.01	0.05	29.0	300	412	358	358	358	2710	2710	2710	389
Duplicate Result	mg/kg	0.01	0.05	44.8	269	436	450	267	294	3110	1400	2280	393
RpD	**%**			43%	11%	6%	23%	29%	20%	14%	**64%**	17%	1%
Zinc (Zn)													
Sample Result	mg/kg	0.05	0.25	325	3570	2260	3150	3150	3150	22200	22200	22200	3980
Duplicate Result	mg/kg	0.05	0.25	412	2640	2050	3540	2240	3200	19500	11100	17600	4330
RpD	**%**			24%	30%	10%	12%	34%	2%	13%	**67%**	23%	8%

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

Table 13: Quality Assurance and Quality Control Remediation Soil Samples - Metals

		Sample Parent:		RD-8378-F-C			IC-8318-F-C	IC-8315-F-C		IC-8355-F-C			IC-8390-F-C
		Sample ID:		RD-8378-F-C	RD-8378-F-C	RD-8378-F-C	IC-8318-F-C	IC-8315-F-C	IC-8315-F-C	IC-8355-F-C	IC-8355-F-C	IC-8355-F-C	IC-8390-F-C
		Duplicate ID:		RD-7550-F-Q	RD-8379-F-D	RD-8380-F-D	IC-8319-F-D	IC-8316-F-D	IC-8317-F-D	IC-7548-F-Q	IC-8356-F-D	IC-8357-F-D	IC-7551-F-Q
Parameter	**Units**	**MRL**	**PQL**	**Analytical Results**									
Cadmium (Cd)													
Sample Result	mg/kg	0.01	0.05	20.5	20.5	20.5	3.31	6.20	6.20	1.92	1.92	1.92	36.9
Duplicate Result	mg/kg	0.01	0.05	18.7	13.2	39.6	4.87	5.76	2.62	1.70	0.85	1.33	14.4
RpD	**%**			9%	43%	**64%**	38%	7%	**81%**	12%	**77%**	36%	**88%**
Lead (Pb)													
Sample Result	mg/kg	0.01	0.05	555	555	555	96.6	160	160	93.5	93.5	93.5	1490
Duplicate Result	mg/kg	0.01	0.05	456	403	1200	114	180	61.4	80.5	45.6	57.1	610
RpD	**%**			20%	32%	**74%**	17%	12%	**89%**	15%	**69%**	48%	**84%**
Zinc (Zn)													
Sample Result	mg/kg	0.05	0.25	7670	7670	7670	1220	1770	1770	720	720	720	12300
Duplicate Result	mg/kg	0.05	0.25	7050	4900	14200	1380	1950	1050	496	287	392	4670
RpD	**%**			8%	44%	**60%**	12%	10%	**51%**	37%	**86%**	**59%**	**90%**

Bold *RpD Value is greater than or equal to 50% and the concentrations of both samples are greater than the PQL.*

Notes:

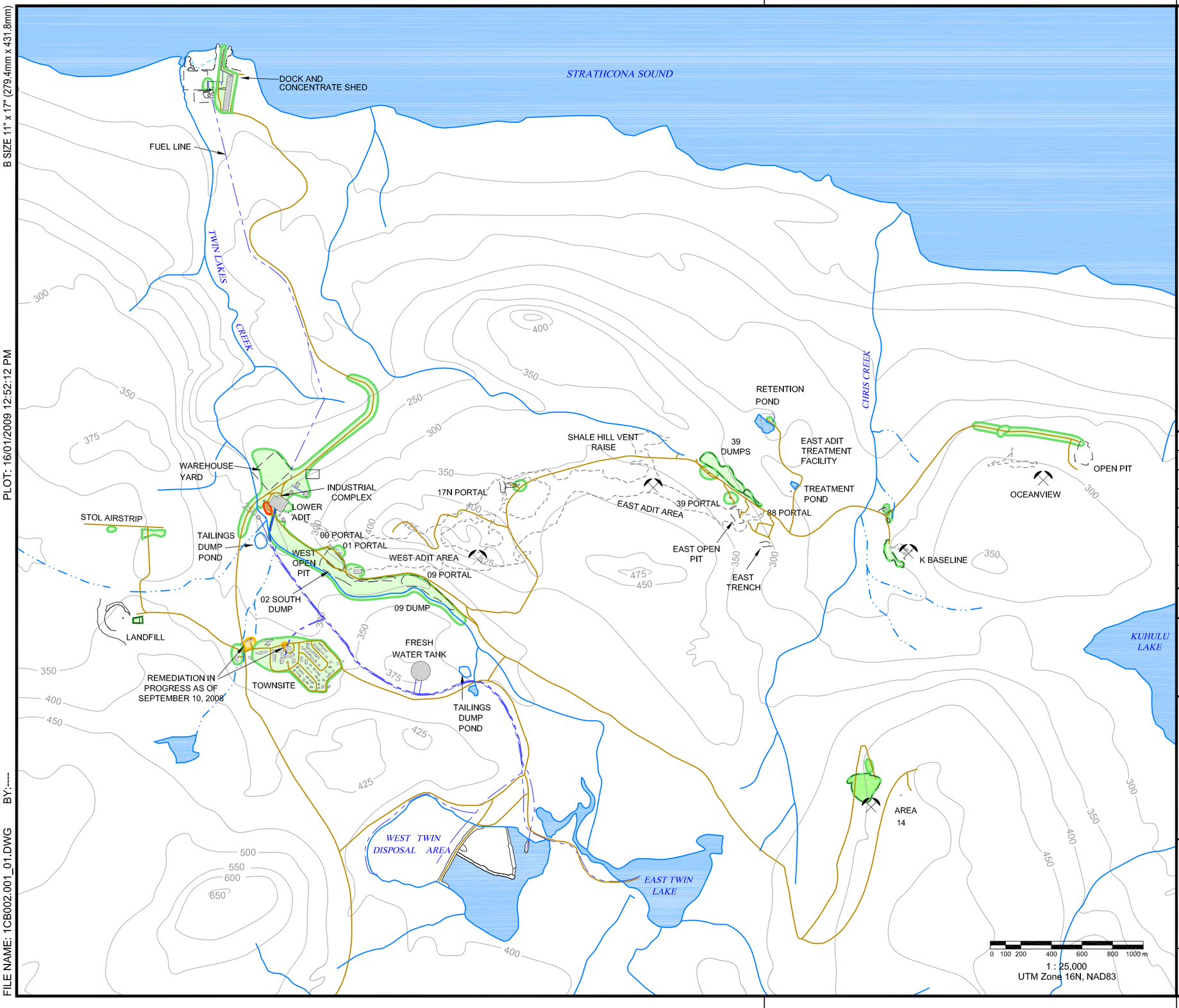
na RpD value is not applicable because one or both results are less than the PQL.

*RpD Relative Percent Difference = (Difference/Average)*100.*

*PQL Practical Quantitation Limit = 5 * Method Reporting Limit (MRL).*

MRL Method Reporting Limit of analysis.

Figures



LEGEND:

- ROAD
- GROUND CONTOUR (50 m INTERVAL)
- SHORELINE, DRAINAGE, STREAMS
- INTERMITTENT DRAINAGE
- HIGH TIDE LINE - SURVEYED
- PIPELINE
- EXTENT OF UNDERGROUND WORKINGS
- MINING AREA
- FORMER MINE INFRASTRUCTURE
- AREA OF CONCERN
- AREA REMEDIATED
- CONFIRMATION OF REMEDIATION PENDING

MAP SOURCES / NOTES:

1. ORIGINAL FIGURES PROVIDED BY NANISIVIK MINE IN MINE GRID
2. DATA COMPILED FROM INVESTIGATIONS AND SURVEYS CONDUCTED BY GARTNER LEE LIMITED

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I/R	YY/MM/DD	ISSUE/REVISION DESCRIPTION	DRN	CHK	DES	ENG	IDR	APP

DO NOT SCALE THIS DOCUMENT.
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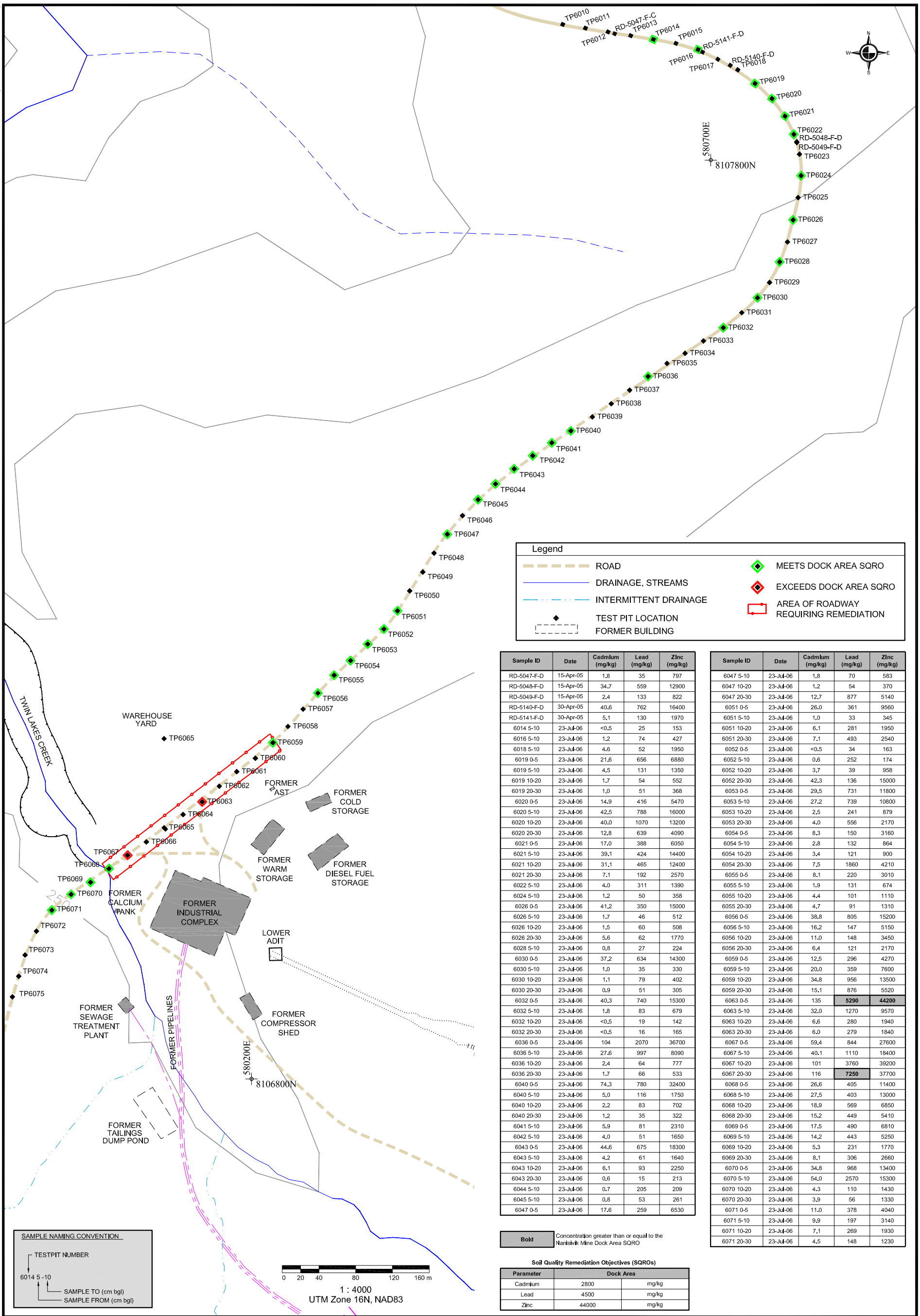
SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Soil Remediation Progress September 10, 2008

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 1	A

B SIZE 11" x 17" (279.4mm x 431.8mm)



Legend

- ROAD
- DRAINAGE, STREAMS
- INTERMITTENT DRAINAGE
- TEST PIT LOCATION
- FORMER BUILDING
- MEETS DOCK AREA SQRO
- EXCEEDS DOCK AREA SQRO
- AREA OF ROADWAY REQUIRING REMEDIATION

SAMPLE NAMING CONVENTION

6014 5-10
- TESTPIT NUMBER
- SAMPLE TO (cm bgl)
- SAMPLE FROM (cm bgl)

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
RD-5047-F-D	15-Apr-05	1.8	35	797
RD-5048-F-D	15-Apr-05	34.7	559	12900
RD-5049-F-D	15-Apr-05	2.4	133	822
RD-5140-F-D	30-Apr-05	40.6	762	16400
RD-5141-F-D	30-Apr-05	5.1	130	1970
6014 5-10	23-Jul-06	<0.5	25	153
6016 5-10	23-Jul-06	1.2	74	427
6018 5-10	23-Jul-06	4.6	52	1950
6019 0-5	23-Jul-06	21.6	656	6880
6019 5-10	23-Jul-06	4.5	131	1350
6019 10-20	23-Jul-06	1.7	54	552
6019 20-30	23-Jul-06	1.0	51	368
6020 0-5	23-Jul-06	14.9	416	5470
6020 5-10	23-Jul-06	42.5	788	16000
6020 10-20	23-Jul-06	40.0	1070	13200
6020 20-30	23-Jul-06	12.8	639	4090
6021 0-5	23-Jul-06	17.0	388	6050
6021 5-10	23-Jul-06	39.1	424	14400
6021 10-20	23-Jul-06	31.1	465	12400
6021 20-30	23-Jul-06	7.1	192	2570
6022 5-10	23-Jul-06	4.0	311	1390
6024 5-10	23-Jul-06	1.2	50	358
6026 0-5	23-Jul-06	41.2	350	15000
6026 5-10	23-Jul-06	1.7	46	512
6026 10-20	23-Jul-06	1.5	60	508
6026 20-30	23-Jul-06	5.6	62	1770
6028 5-10	23-Jul-06	0.8	27	224
6030 0-5	23-Jul-06	37.2	634	14300
6030 5-10	23-Jul-06	1.0	35	330
6030 10-20	23-Jul-06	1.1	79	402
6030 20-30	23-Jul-06	0.9	51	305
6032 0-5	23-Jul-06	40.3	740	15300
6032 5-10	23-Jul-06	1.8	83	679
6032 10-20	23-Jul-06	<0.5	19	142
6032 20-30	23-Jul-06	<0.5	16	165
6036 0-5	23-Jul-06	104	2070	36700
6036 5-10	23-Jul-06	27.6	997	8090
6036 10-20	23-Jul-06	2.4	64	777
6036 20-30	23-Jul-06	1.7	66	533
6040 0-5	23-Jul-06	74.3	780	32400
6040 5-10	23-Jul-06	5.0	116	1750
6040 10-20	23-Jul-06	2.2	83	702
6040 20-30	23-Jul-06	1.2	35	322
6041 5-10	23-Jul-06	5.9	81	2310
6042 5-10	23-Jul-06	4.0	51	1650
6043 0-5	23-Jul-06	44.6	675	18300
6043 5-10	23-Jul-06	4.2	61	1640
6043 10-20	23-Jul-06	6.1	93	2250
6043 20-30	23-Jul-06	0.6	15	213
6044 5-10	23-Jul-06	0.7	205	209
6045 5-10	23-Jul-06	0.8	53	261
6047 0-5	23-Jul-06	17.6	259	6530

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
6047 5-10	23-Jul-06	1.8	70	583
6047 10-20	23-Jul-06	1.2	54	370
6047 20-30	23-Jul-06	12.7	877	5140
6051 0-5	23-Jul-06	26.0	361	9560
6051 5-10	23-Jul-06	1.0	33	345
6051 10-20	23-Jul-06	6.1	281	1950
6051 20-30	23-Jul-06	7.1	493	2540
6052 0-5	23-Jul-06	<0.5	34	163
6052 5-10	23-Jul-06	0.6	252	174
6052 10-20	23-Jul-06	3.7	39	958
6052 20-30	23-Jul-06	42.3	136	15000
6053 0-5	23-Jul-06	29.5	731	11800
6053 5-10	23-Jul-06	27.2	739	10800
6053 10-20	23-Jul-06	2.5	241	879
6053 20-30	23-Jul-06	4.0	556	2170
6054 0-5	23-Jul-06	8.3	150	3160
6054 5-10	23-Jul-06	2.8	132	864
6054 10-20	23-Jul-06	3.4	121	900
6054 20-30	23-Jul-06	7.5	1860	4210
6055 0-5	23-Jul-06	8.1	220	3010
6055 5-10	23-Jul-06	1.9	131	674
6055 10-20	23-Jul-06	4.4	101	1110
6055 20-30	23-Jul-06	4.7	91	1310
6056 0-5	23-Jul-06	38.8	805	15200
6056 5-10	23-Jul-06	16.2	147	5150
6056 10-20	23-Jul-06	11.0	148	3450
6056 20-30	23-Jul-06	6.4	121	2170
6059 0-5	23-Jul-06	12.5	296	4270
6059 5-10	23-Jul-06	20.0	359	7600
6059 10-20	23-Jul-06	34.8	956	13500
6059 20-30	23-Jul-06	15.1	876	5520
6063 0-5	23-Jul-06	135	**5290**	**44200**
6063 5-10	23-Jul-06	32.0	1270	9570
6063 10-20	23-Jul-06	6.6	280	1940
6063 20-30	23-Jul-06	6.0	279	1840
6067 0-5	23-Jul-06	59.4	844	27600
6067 5-10	23-Jul-06	40.1	1110	18400
6067 10-20	23-Jul-06	101	3760	39200
6067 20-30	23-Jul-06	116	**7250**	37700
6068 0-5	23-Jul-06	26.6	405	11400
6068 5-10	23-Jul-06	27.5	403	13000
6068 10-20	23-Jul-06	18.9	569	6850
6068 20-30	23-Jul-06	15.2	449	5410
6069 0-5	23-Jul-06	17.5	490	6810
6069 5-10	23-Jul-06	14.2	443	5250
6069 10-20	23-Jul-06	5.3	231	1770
6069 20-30	23-Jul-06	8.1	306	2660
6070 0-5	23-Jul-06	34.8	968	13400
6070 5-10	23-Jul-06	54.0	2570	15300
6070 10-20	23-Jul-06	4.3	110	1430
6070 20-30	23-Jul-06	3.9	56	1330
6071 0-5	23-Jul-06	11.0	378	4040
6071 5-10	23-Jul-06	9.9	197	3140
6071 10-20	23-Jul-06	7.1	269	1930
6071 20-30	23-Jul-06	4.5	148	1230

Bold Concentration greater than or equal to the Nanisivik Mine Dock Area SQRO

Soil Quality Remediation Objectives (SQROs)

Parameter	Dock Area	
Cadmium	2800	mg/kg
Lead	4500	mg/kg
Zinc	44000	mg/kg

DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

MAP SOURCES / NOTES:
1. DATA COMPILED FROM INVESTIGATIONS AND SURVEYS CONDUCTED BY GARTNER LEE LIMITED

I/R	YY/MM/DD	ISSUE/REVISION DESCRIPTION	DRN	CHK	DES	ENG	IDR	APP
B	09/01/16	Final Issued	CCL	AL	.	.	.	.
A	08/12/03	Draft Issued by GLL for Client Review	CCL	AL	.	.	.	.

SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Road to Dock Delineation Soil Samples

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 2	A

PLOT: 16/01/2009 12:52:39 PM BY:----
FILE NAME: 1CB002.001_02.DWG

B SIZE 11" x 17" (279.4mm x 431.8mm)

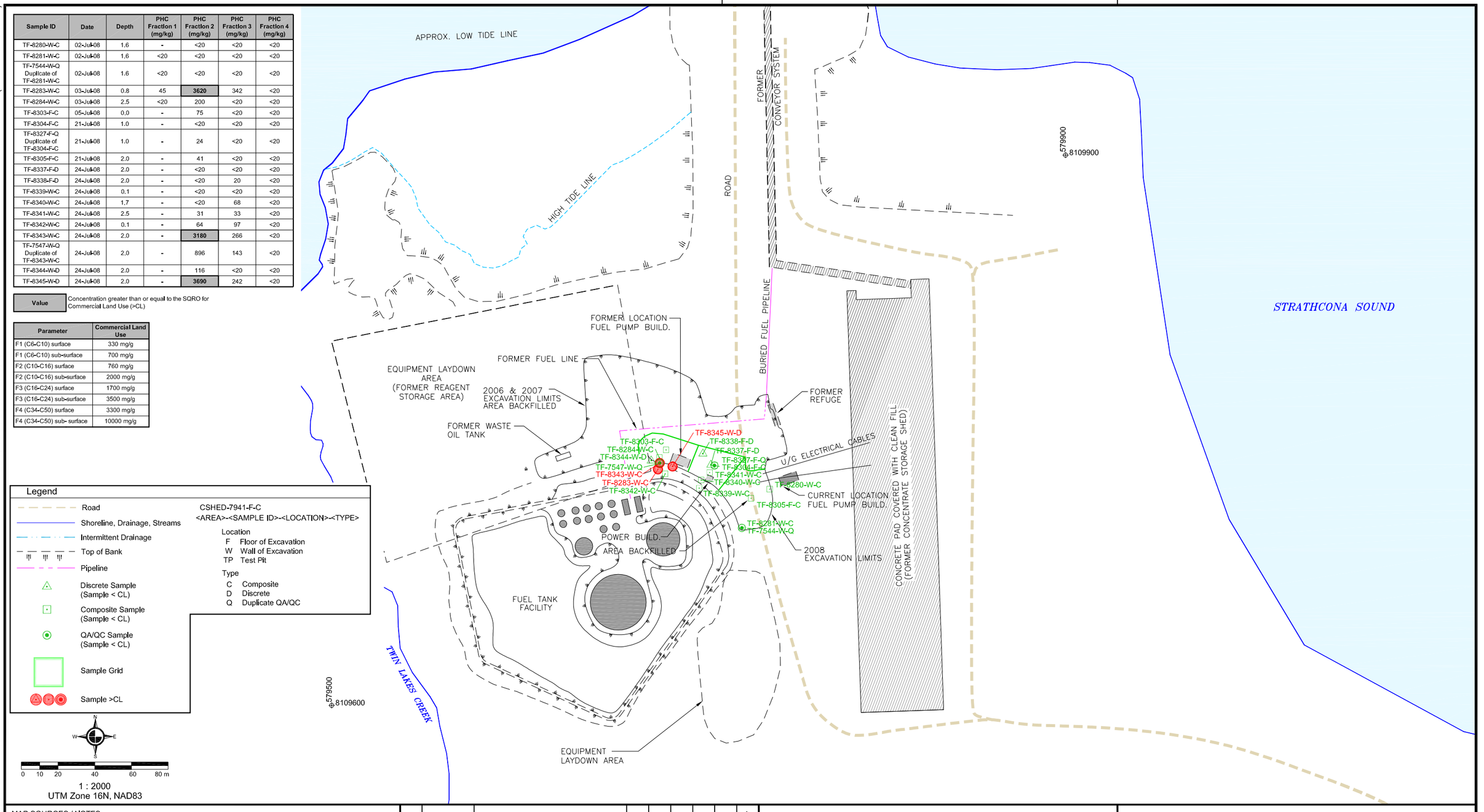
PLOT: 16/01/2009 12:53:39 PM BY:----

FILE NAME: 1CB002.001_03-11.DWG

Sample ID	Date	Depth	PHC Fraction 1 (mg/kg)	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
TF-8280-W-C	02-Jul-08	1.6	-	<20	<20	<20
TF-8281-W-C	02-Jul-08	1.6	<20	<20	<20	<20
TF-7544-W-Q Duplicate of TF-8281-W-C	02-Jul-08	1.6	<20	<20	<20	<20
TF-8283-W-C	03-Jul-08	0.8	45	**3620**	342	<20
TF-8284-W-C	03-Jul-08	2.5	<20	200	<20	<20
TF-8303-F-C	05-Jul-08	0.0	-	75	<20	<20
TF-8304-F-C	21-Jul-08	1.0	-	<20	<20	<20
TF-8327-F-Q Duplicate of TF-8304-F-C	21-Jul-08	1.0	-	24	<20	<20
TF-8305-F-C	21-Jul-08	2.0	-	41	<20	<20
TF-8337-F-D	24-Jul-08	2.0	-	<20	<20	<20
TF-8338-F-D	24-Jul-08	2.0	-	<20	20	<20
TF-8339-W-C	24-Jul-08	0.1	-	<20	<20	<20
TF-8340-W-C	24-Jul-08	1.7	-	<20	68	<20
TF-8341-W-C	24-Jul-08	2.5	-	31	33	<20
TF-8342-W-C	24-Jul-08	0.1	-	64	97	<20
TF-8343-W-C	24-Jul-08	2.0	-	**3180**	266	<20
TF-7547-W-Q Duplicate of TF-8343-W-C	24-Jul-08	2.0	-	896	143	<20
TF-8344-W-D	24-Jul-08	2.0	-	116	<20	<20
TF-8345-W-D	24-Jul-08	2.0	-	**3690**	242	<20

Value Concentration greater than or equal to the SQRO for Commercial Land Use (>CL)

Parameter	Commercial Land Use
F1 (C6-C10) surface	330 mg/g
F1 (C6-C10) sub-surface	700 mg/g
F2 (C10-C16) surface	760 mg/g
F2 (C10-C16) sub-surface	2000 mg/g
F3 (C16-C24) surface	1700 mg/g
F3 (C16-C24) sub-surface	3500 mg/g
F4 (C34-C50) surface	3300 mg/g
F4 (C34-C50) sub- surface	10000 mg/g



Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Sample < CL)
- Composite Sample (Sample < CL)
- QA/QC Sample (Sample < CL)
- Sample Grid
- Sample >CL

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
F Floor of Excavation
W Wall of Excavation
TP Test Pit

Type
C Composite
D Discrete
Q Duplicate QA/QC

N W E S

0 10 20 40 60 80 m

1 : 2000
UTM Zone 16N, NAD83

MAP SOURCES / NOTES:
1. ORIGINAL FIGURES PROVIDED BY NANISIVIK MINE IN MINE GRID
2. SATELLITE PHOTO FROM GOOGLE EARTH/DIGITAL GLOBE, 2005
3. CLEAN FILL HAS BEEN PLACED ALONG THE BERM BETWEEN POWER BUILDING AND WESTERN EXTENT OF 2008 EXCAVATION FOR STABILIZATION
4. DATA COMPILED FROM INVESTIGATIONS AND SURVEYS CONDUCTED BY GARTNER LEE LIMITED

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SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Site Remediation
Dock Area
Hydrocarbon Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	**Figure 3**	**A**

B SIZE 11" x 17" (279.4mm x 431.8mm)

PLOT: 16/01/2009 12:54:11 PM BY:----

FILE NAME: 1CB002.001_03-11.DWG

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
TF-8304-F-C	21-Jul-08	0.98	29	325
TF-8327-F-Q Duplicate of TF-8304-F-C	21-Jul-08	1.25	44.8	412
TF-8305-F-C	21-Jul-08	1.98	61.6	896
TF-8337-F-D	24-Jul-08	1.06	20.7	263
TF-8338-F-D	24-Jul-08	0.92	21.6	364
TF-8339-W-C	24-Jul-08	60.1	1630	24000
TF-8340-W-C	24-Jul-08	111	2890	39700
TF-8341-W-C	24-Jul-08	9.57	241	3710
TF-8342-W-C	24-Jul-08	94.5	2400	37100
TF-8343-W-C	24-Jul-08	9.24	300	3570
TF-7547-W-Q Duplicate of TF-8343-W-C	24-Jul-08	6.85	269	2640
TF-8344-W-D	24-Jul-08	2.23	47.4	800
TF-8345-W-D	24-Jul-08	4.65	128	1580

Bold Concentration greater than or equal to the Nanisivik Mine Dock Area SQRO

Soil Quality Remediation Objectives (SQROs)

Parameter	Dock Area
Cadmium	2800 mg/kg
Lead	4500 mg/kg
Zinc	44000 mg/kg

Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Sample < CL)
- Composite Sample (Sample < CL)
- QA/QC Sample (Sample < CL)
- Sample Grid
- Sample > CL

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

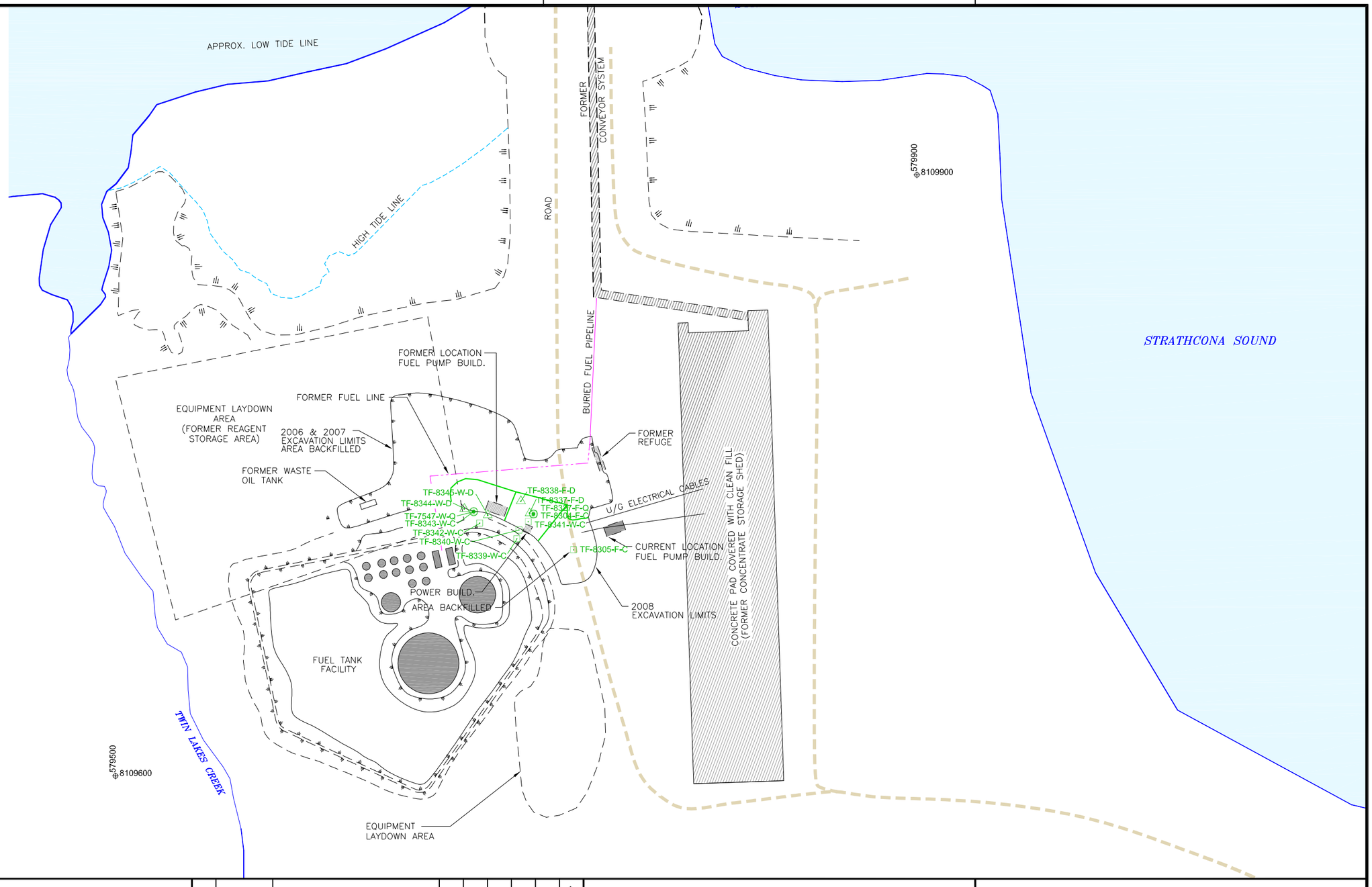
Location
- F Floor of Excavation
- W Wall of Excavation
- TP Test Pit

Type
- C Composite
- D Discrete
- Q Duplicate QA/QC

N W E S

0 10 20 40 60 80 m

1 : 2000
UTM Zone 16N, NAD83



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SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut
Contaminated Site Remediation
Dock Area
Metal Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 4	A

B SIZE 11" x 17" (279.4mm x 431.8mm)

PLOT: 16/01/2009 2:56:04 PM BY:----

FILE NAME: 1CB002.001_03-11.DWG

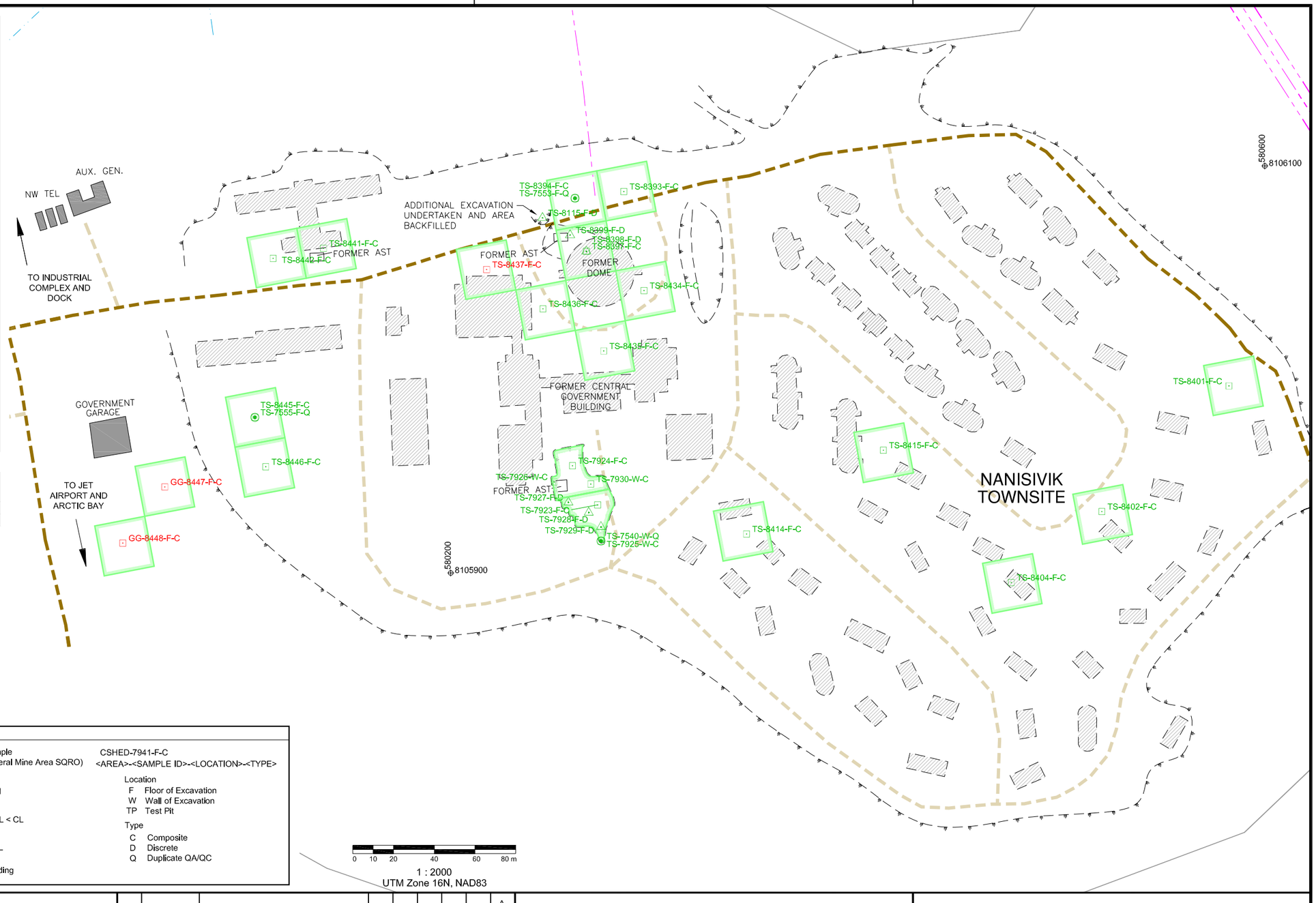
Sample ID	Date	Depth	PHC Fraction 1 (mg/kg)	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
TS-7923-F-C	19-Aug-07	1.2	-	<20	<20	<20
TS-7924-F-C	19-Aug-07	1.0	-	<20	<20	<20
TS-7925-W-C	19-Aug-07	0.8	-	<20	<20	<20
TS-7540-W-Q Duplicate of TS-7925-W-C	19-Aug-07	0.8	<20	<20	<20	<20
TS-7926-W-C	19-Aug-07	1.0	-	<20	<20	<20
TS-7927-F-D	19-Aug-07	1.3	-	<20	<20	<20
TS-7928-F-D	19-Aug-07	1.2	-	<20	<20	<20
TS-7929-F-D	19-Aug-07	1.0	-	<20	<20	<20
TS-7930-W-C	19-Aug-07	1.4	-	<20	<20	<20
TS-8115-F-D	29-Aug-07	>1.5	-	<20	<20	<20
TS-8393-F-C	04-Sep-08	0.0	-	<20	53	<20
TS-8394-F-C	04-Sep-08	0.0	-	<20	37	<20
TS-7553-F-Q Duplicate of TS-8394-F-C	04-Sep-08	0.0	-	<20	44	<20
TS-8397-F-C	04-Sep-08	> 1.5	-	<20	24	<20
TS-8398-F-D	04-Sep-08	> 1.5	-	<20	<20	<20
TS-8399-F-D	04-Sep-08	> 1.5	-	50	44	<20
TS-8401-F-C	05-Sep-08	0.0	-	<20	32	<20
TS-8402-F-C	05-Sep-08	0.0	-	33	35	<20
TS-8404-F-C	05-Sep-08	0.0	-	54	49	<20
TS-8414-F-C	05-Sep-08	0.0	-	29	24	<20
TS-8415-F-C	06-Sep-08	0.0	-	67	95	20
TS-8434-F-C	06-Sep-08	0.0	-	31	61	<20
TS-8435-F-C	06-Sep-08	0.0	-	26	219	22
TS-8436-F-C	06-Sep-08	0.0	-	<20	133	21
TS-8437-F-C	06-Sep-08	0.0	-	28	**752**	21
TS-8441-F-C	06-Sep-08	0.0	-	242	250	36
TS-8442-F-C	06-Sep-08	0.0	-	48	247	76
TS-8445-F-C	06-Sep-08	0.0	-	<20	85	<20
TS-7555-F-Q Duplicate of TS-8445-F-C	06-Sep-08	0.0	-	21	92	<20
TS-8446-F-C	06-Sep-08	0.0	-	22	71	<20

Sample ID	Date	Depth	PHC Fraction 1 (mg/kg)	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
GG-8447-F-C	06-Sep-08	0.0	-	66	**1310**	261
GG-8448-F-C	06-Sep-08	0.0	-	34	**503**	80

Bold	Concentration greater than SQRO for Residential Land Use (>RL) and less than SQRO for Commercial Land Use (<CL)
Bold	Concentration greater than or equal to the SQRO for Commercial Land Use (>CL)

Soil Quality Remediation Objectives (SQROs)

Parameter	Residential Land Use	Commercial Land Use
F1 (C6-C10) surface	130 mg/g	330 mg/g
F1 (C6-C10) sub-surface	350 mg/g	700 mg/g
F2 (C10-C16) surface	450 mg/g	760 mg/g
F2 (C10-C16) sub-surface	1500 mg/g	2000 mg/g
F3 (C16-C24) surface	400 mg/g	1700 mg/g
F3 (C16-C24) sub-surface	2500 mg/g	3500 mg/g
F4 (C34-C50) surface	2800 mg/g	3300 mg/g
F4 (C34-C50) sub- surface	10000 mg/g	10000 mg/g



Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Sample < RL)
- Composite Sample (Sample < RL)
- QA/QC Sample (Meets General Mine Area SQRO)
- Sample Grid
- Sample > RL < CL
- Sample > CL
- Former Building

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
F Floor of Excavation
W Wall of Excavation
TP Test Pit

Type
C Composite
D Discrete
Q Duplicate QA/QC

MAP SOURCES / NOTES:
1. ORIGINAL FIGURES PROVIDED BY NANISIVIK MINE IN MINE GRID
2. SATELLITE PHOTO FROM GOOGLE EARTH/DIGITAL GLOBE, 2005
3. EXCAVATION TO REMOVE HYDROCARBON CONTAMINATION AT NORTHWEST CORNER OF FORMER DOME EXTENDED AFTER SEPTEMBER 10, 2008
4. GOVERNMENT GARAGE AND AUXILARY GENERATOR AREA IN ACTIVE USE FOR FUEL HANDLING AND EQUIPMENT MAINENTANCE AS OF SEPTEMBER 10, 2008
5. DATA COMPILED FROM INVESTIGATIONS AND SURVEYS CONDUCTED BY GARTNER LEE LIMITED

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A	08/12/19	Draft Issued by GLL for Client Review	CCL	AL	.	.	.	.

SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Site Remediation Townsite & Government Garage Hydrocarbon Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 5	A

B SIZE 11" x 17" (279.4mm x 431.8mm)

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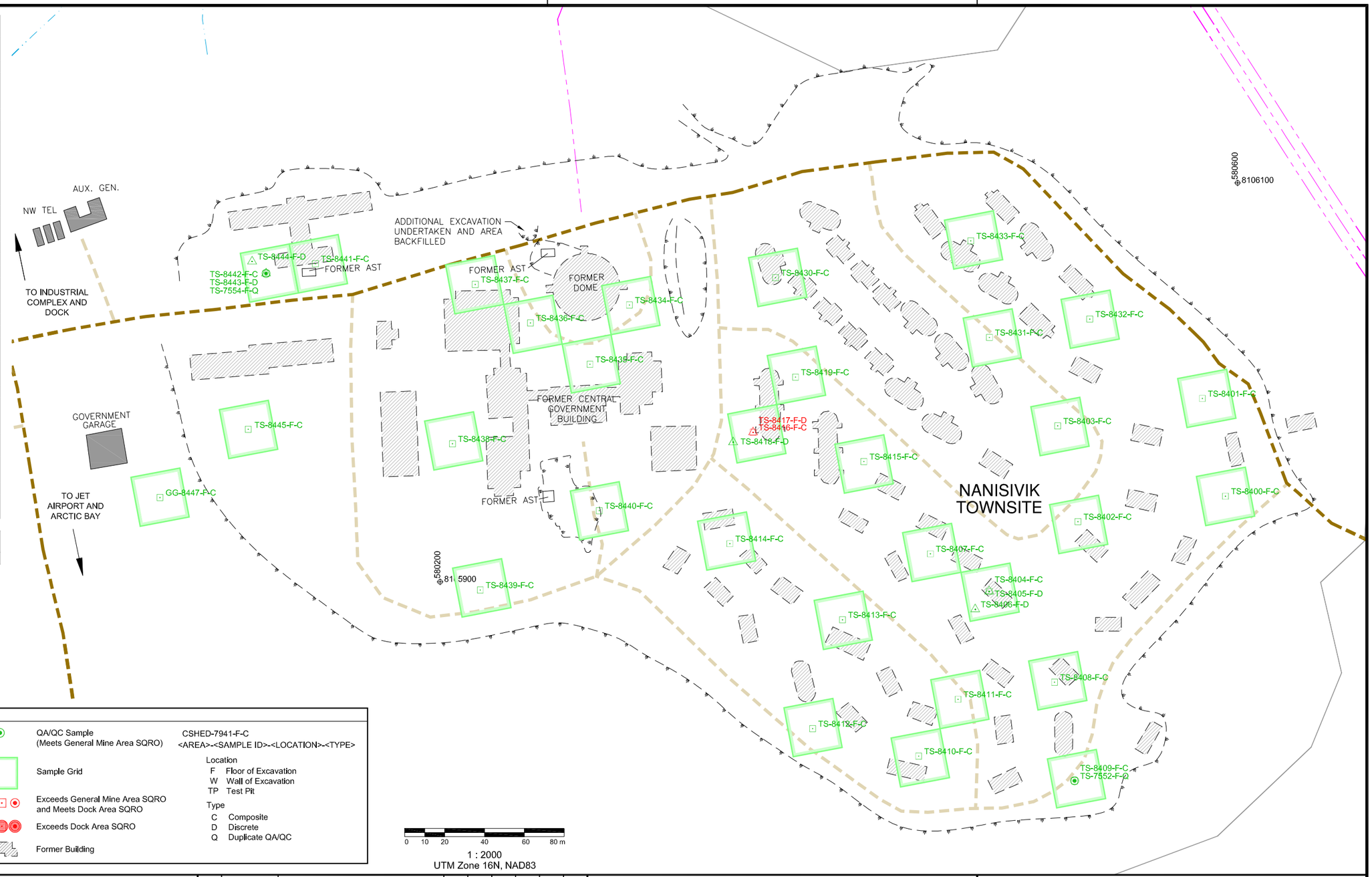
Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
TS-8400-F-C	05-Sep-08	2.1	126	587
TS-8401-F-C	05-Sep-08	1.2	35	301
TS-8402-F-C	05-Sep-08	1.4	64	392
TS-8403-F-C	05-Sep-08	1.3	141	464
TS-8404-F-C	05-Sep-08	4.6	69	1210
TS-8405-F-D	05-Sep-08	1.2	38	361
TS-8406-F-D	05-Sep-08	1.9	68	516
TS-8407-F-C	05-Sep-08	3.7	187	1340
TS-8408-F-C	05-Sep-08	2.7	105	1130
TS-8409-F-C	05-Sep-08	5.8	412	2260
TS-7552-F-Q Duplicate of TS-8409-F-C	05-Sep-08	5.8	436	2050
TS-8410-F-C	05-Sep-08	12.3	737	4520
TS-8411-F-C	05-Sep-08	6.8	347	2380
TS-8412-F-C	05-Sep-08	3.4	124	969
TS-8413-F-C	05-Sep-08	4.0	309	1690
TS-8414-F-C	05-Sep-08	1.3	80	399
TS-8415-F-C	06-Sep-08	4.5	184	1240
TS-8416-F-C	06-Sep-08	2.1	**1410**	716
TS-8417-F-D	06-Sep-08	2.3	**1190**	646
TS-8418-F-D	06-Sep-08	5.2	333	1580
TS-8419-F-C	06-Sep-08	14.8	607	4440
TS-8430-F-C	06-Sep-08	1.0	89	391
TS-8431-F-C	06-Sep-08	4.1	334	1500
TS-8432-F-C	06-Sep-08	1.6	60	475
TS-8433-F-C	06-Sep-08	1.3	79	404
TS-8434-F-C	06-Sep-08	6.3	286	1600
TS-8435-F-C	06-Sep-08	5.2	209	2000
TS-8436-F-C	06-Sep-08	2.9	155	1390
TS-8437-F-C	06-Sep-08	5.7	193	2080
TS-8438-F-C	06-Sep-08	3.3	243	1010
TS-8439-F-C	06-Sep-08	5.8	470	2180
TS-8440-F-C	06-Sep-08	2.2	290	785
TS-8441-F-C	06-Sep-08	17.6	922	6130
TS-8442-F-C	06-Sep-08	8.9	358	3150
TS-7554-F-Q Duplicate of TS-8442-F-C	06-Sep-08	8.7	450	3540
TS-8443-F-D	06-Sep-08	5.9	267	2240
TS-8444-F-D	06-Sep-08	8.3	294	3200
TS-8445-F-C	06-Sep-08	7.1	630	3050

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
GG-8447-F-C	06-Sep-08	7.3	359	2740

Bold	Concentration greater than or equal to the Nanisivik Mine General Mine Area SQRO
Bold	Concentration greater than or equal to the Nanisivik Mine Dock Area SQRO

Soil Quality Remediation Objectives (SQROs)

Parameter	General Mine Area	Dock Area
Cadmium	50 mg/kg	2800 mg/kg
Lead	1050 mg/kg	4500 mg/kg
Zinc	23400 mg/kg	44000 mg/kg



Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Meets General Mine Area SQRO)
- Composite Sample (Meets General Mine Area SQRO)
- QA/QC Sample (Meets General Mine Area SQRO)
- Sample Grid
- Exceeds General Mine Area SQRO and Meets Dock Area SQRO
- Exceeds Dock Area SQRO
- Former Building

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
- F Floor of Excavation
- W Wall of Excavation
- TP Test Pit

Type
- C Composite
- D Discrete
- Q Duplicate QA/QC

MAP SOURCES / NOTES:
1. ORIGINAL FIGURES PROVIDED BY NANISIVIK MINE IN MINE GRID
2. SATELLITE PHOTO FROM GOOGLE EARTH/DIGITAL GLOBE, 2005
3. EXCAVATION TO REMOVE HYDROCARBON CONTAMINATION AT NORTHWEST CORNER OF FORMER DOME EXTENDED AFTER SEPTEMBER 10, 2008
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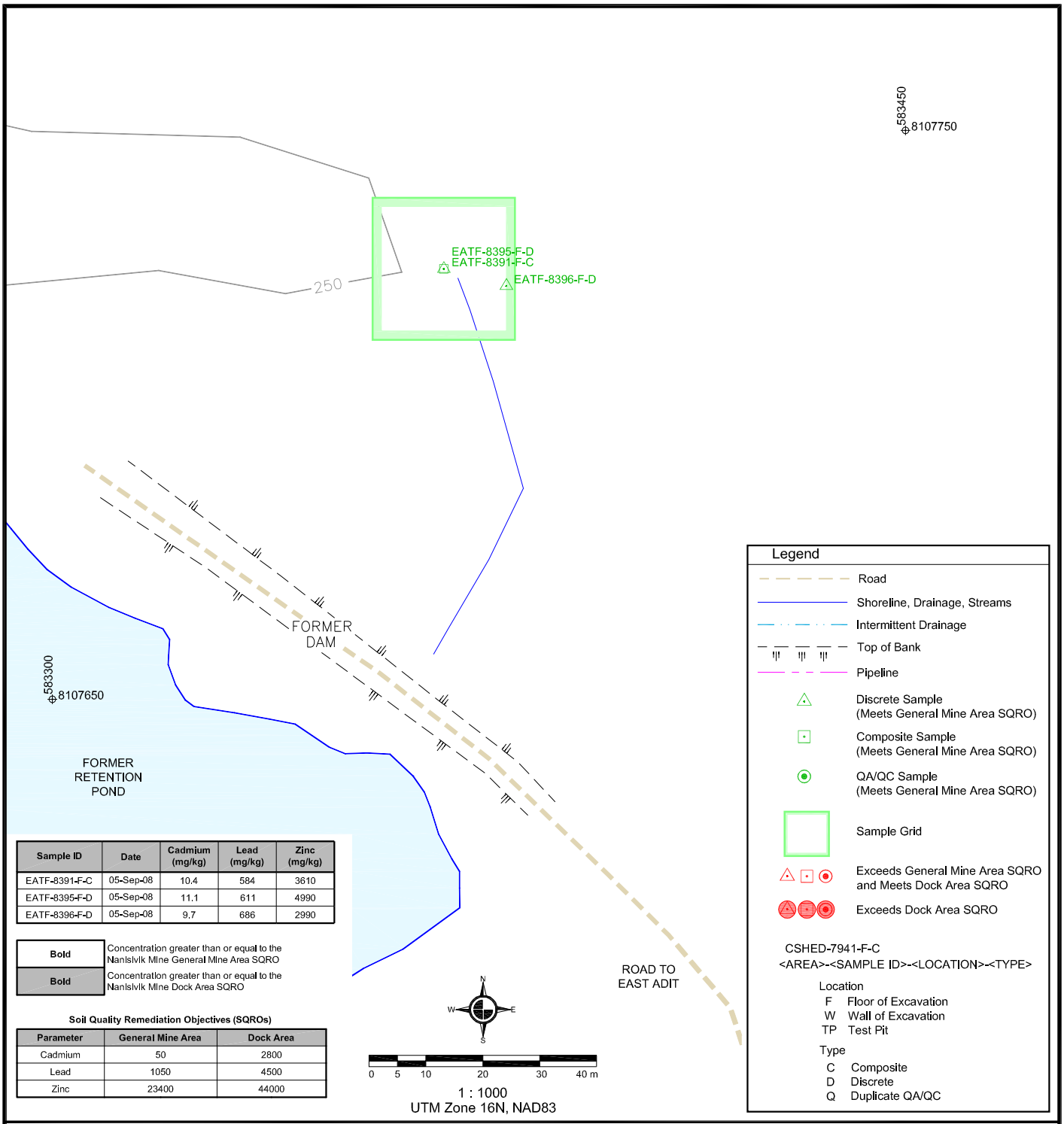
SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Site Remediation Townsite & Government Garage Metal Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 6	A

FILE NAME: 1CB002.001_03-11.DWG BY:----



Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
EATF-8391-F-C	05-Sep-08	10.4	584	3610
EATF-8395-F-D	05-Sep-08	11.1	611	4990
EATF-8396-F-D	05-Sep-08	9.7	686	2990

Bold	Concentration greater than or equal to the Nanisivik Mine General Mine Area SQRO
Bold	Concentration greater than or equal to the Nanisivik Mine Dock Area SQRO

Soil Quality Remediation Objectives (SQROs)

Parameter	General Mine Area	Dock Area
Cadmium	50	2800
Lead	1050	4500
Zinc	23400	44000

DO NOT SCALE THIS DOCUMENT. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.

MAP SOURCES / NOTES:
1. DATA COMPILED FROM INVESTIGATIONS AND SURVEYS CONDUCTED BY GARTNER LEE LIMITED

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Engineers and Scientists
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CanZinco Limited
Nanisivik Mine, Nunavut
Contaminated Site Remediation
East Adit Treatment Facility
Metals Remediation

PROJECT NUMBER
1CB002.001

DRAWING NUMBER
Figure 7

ISSUE/REVISION
A

B SIZE 11" x 17" (279.4mm x 431.8mm)

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FILE NAME: 1CB002.001_03-11.DWG

Sample ID	Date	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
WR-8285-F-C	05-Jul-08	<20	83	<20
WR-8286-F-C	05-Jul-08	<20	187	95
WR-8287-F-C	05-Jul-08	<20	181	49
WR-7545-W-Q Duplicate of WR-8287-F-C	05-Jul-08	<20	234	80
WR-8288-F-D	05-Jul-08	<20	**550**	88
WR-8289-F-D	05-Jul-08	<20	105	26
WR-8291A-F-C	10-Aug-08	<20	23	<20
WR-8292-F-C	05-Jul-08	<20	333	631
WR-8292A-F-C Repeat of WR-8292-F-C	10-Aug-08	39	68	<20
WR-8293-F-C	05-Jul-08	<20	127	36
WR-8294-A-F-C	10-Aug-08	174	49	<20
WR-8466-F-C Repeat of WR-8294A-F-C	07-Sep-08	41	57	32
WR-8297A-F-C	10-Aug-08	<20	372	<500
WR-8465-F-C Repeat of WR-8297A-F-C	07-Sep-08	26	**520**	44
WR-8298A-F-C	10-Aug-08	<20	**468**	500
WR-8464-F-C Repeat of WR-8298A-F-C	07-Sep-08	<20	**711**	141
WR-8299A-F-C	10-Aug-08	39	**1540**	1560
WR-8300-F-C	05-Jul-08	<20	**468**	1020
WR-8300A-F-C Repeat of WR-8300-F-C	10-Aug-08	<20	**737**	1010
WR-8301A-F-C	10-Aug-08	<20	105	100
WR-8302A-F-C	10-Aug-08	<20	107	46
WR-8361-F-C	25-Jul-08	44	177	22
WR-8367-F-C	25-Jul-08	<20	**577**	118
WR-7549-F-Q Duplicate of WR-8367-F-C	25-Jul-08	37	**656**	128
WR-8467-F-C Repeat of WR-7549-F-Q	07-Sep-08	56	**681**	191
WR-8368-F-D	25-Jul-08	<20	**449**	94
WR-8369-F-D	25-Jul-08	<20	329	68
WR-8449-F-C	07-Sep-08	<20	125	<20
WR-8450-F-C	07-Sep-08	<20	22	<20
WR-8451-F-C	07-Sep-08	<20	<20	<20
WR-8452-F-C	07-Sep-08	<20	63	<20
WR-7556-F-Q Duplicate of WR-8452-F-C	07-Sep-08	<20	76	<20
WR-8453-F-D	07-Sep-08	<20	49	<20
WR-8454-F-D	07-Sep-08	<20	<20	<20
WR-8455-F-C	07-Sep-08	26	**1010**	472
WR-7557-F-Q Duplicate of WR-8455-F-C	07-Sep-08	30	**897**	1130
WR-8456-F-C	07-Sep-08	<20	**416**	256
WR-8457-F-C	07-Sep-08	<20	63	<20
WR-8458-F-C	07-Sep-08	<20	**583**	406
WR-8459-F-C	07-Sep-08	<20	**451**	497
WR-8460-F-C	07-Sep-08	<20	287	65
WR-8461-F-C Repeat of WR-8300-F-C	07-Sep-08	<20	**438**	57
WR-8462-F-C	07-Sep-08	<20	387	313
WR-8463-F-C	07-Sep-08	<20	234	76
WR-8468-F-C	07-Sep-08	48	319	93
WR-8469-F-C	07-Sep-08	25	173	54
WR-8470-F-C	07-Sep-08	<20	<20	<20
WR-8471-F-C	07-Sep-08	38	**880**	123
WR-8472-F-C	07-Sep-08	113	**974**	154
WR-7558-F-Q Duplicate of WR-8472-F-C	07-Sep-08	185	**1210**	207
WR-8473-F-D	07-Sep-08	100	**1220**	166
WR-8474-F-D	07-Sep-08	166	**1350**	176
WR-8475-F-C	07-Sep-08	21	**470**	81
WR-8476-F-C	07-Sep-08	64	**708**	128
WR-8477-F-C	07-Sep-08	92	**1250**	103
WR-8478-F-C	07-Sep-08	<20	363	70

Sample ID	Date	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
RD-8307-F-C	21-Jul-08	111	**1890**	2020
RD-8487-F-C Repeat of RD-8307-F-C	07-Sep-08	111	**1590**	224
RD-8308-F-C	21-Jul-08	<20	195	21
RD-8326-F-C	21-Jul-08	62	385	<500
RD-8328-F-Q Duplicate of RD-8326-F-C	21-Jul-08	74	**405**	533
RD-8422-F-C Repeat of RD-8326-F-C	04-Sep-08	45	**672**	118
RD-8346-F-C	24-Jul-08	91	305	46
RD-8358-F-C	24-Jul-08	130	116	<20
RD-8359-F-C	24-Jul-08	<20	257	42
RD-8360-F-C	25-Jul-08	28	148	27
RD-8362-F-C	25-Jul-08	216	129	<20
RD-8363-F-C	25-Jul-08	38	106	<20
RD-8364-F-C	25-Jul-08	23	134	<20
RD-8366-F-C	25-Jul-08	<20	121	<20
RD-8370-F-C	25-Jul-08	31	**472**	86
RD-8371-F-C	25-Jul-08	<20	259	46
RD-8373-F-C	25-Jul-08	<20	296	60
RD-8421-F-C Repeat of RD-8362-FC	04-Sep-08	189	207	<20
RD-8423-F-C Repeat of RD-8346-F-C	04-Sep-08	289	**863**	154
RD-8479-F-C	07-Sep-08	<20	**481**	103
RD-8483-F-C	07-Sep-08	20	**476**	87

Bold	Concentration greater than SQRO for Residential Land Use (>RL) and less than SQRO for Commercial Land Use (<CL)
Bold	Concentration greater than or equal to the SQRO for Commercial Land Use (>CL)

Soil Quality Remediation Objectives (SQROs)

Parameter	Residential Land Use	Commercial Land Use
F2 (C10-C16) surface	450 mg/kg	760 mg/kg
F3 (C16-C24) surface	400 mg/kg	1700 mg/kg
F4 (C34-C50) surface	2800 mg/kg	3300 mg/kg

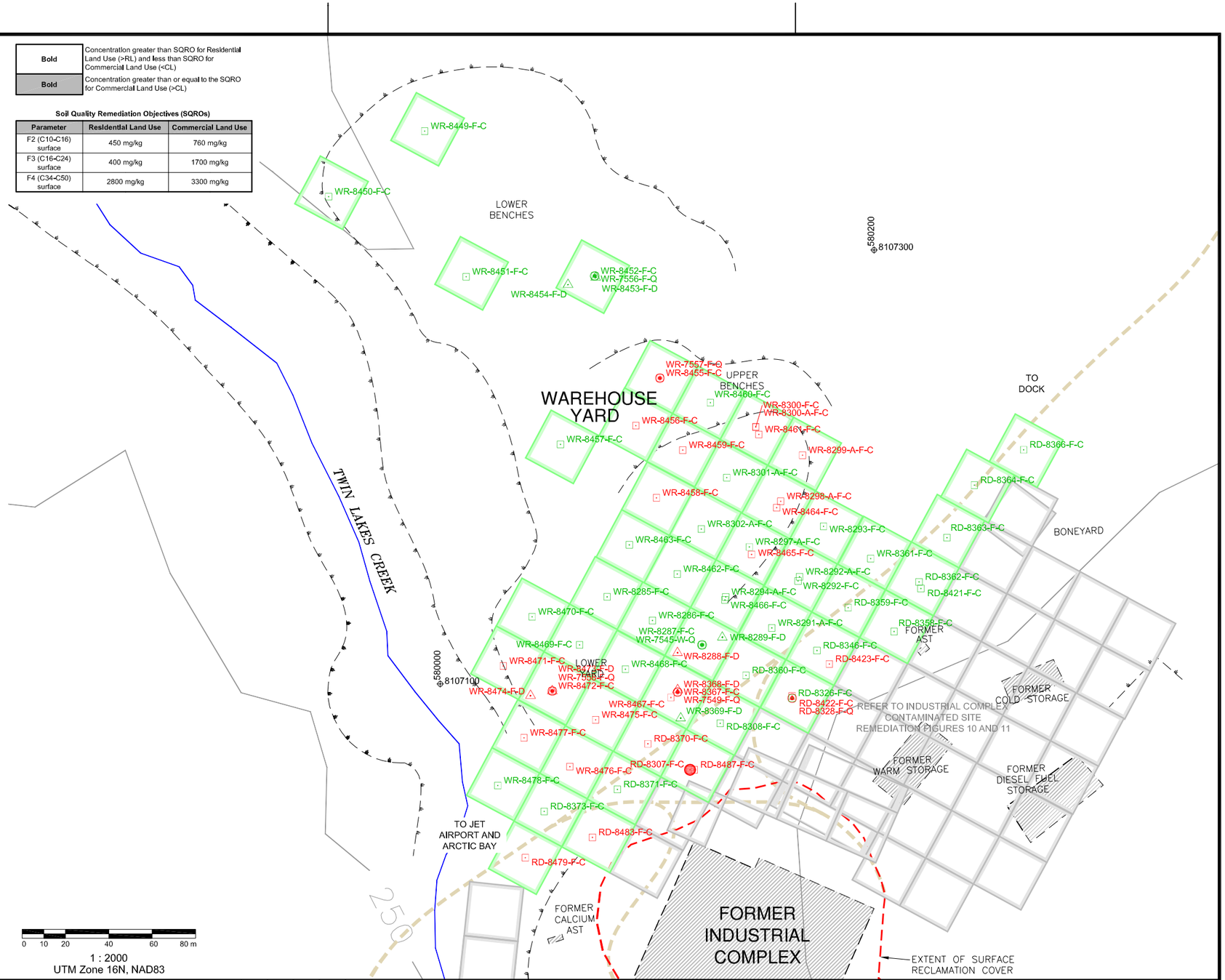
Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Sample < RL)
- Composite Sample (Sample < RL)
- QA/QC Sample (Sample < RL)
- Sample Grid
- Sample >RL < CL
- Sample > CL
- Former Building

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
F Floor of Excavation
W Wall of Excavation
TP Test Pit

Type
C Composite
D Discrete
Q Duplicate QA/QC



0 10 20 40 60 80 m

1 : 2000
UTM Zone 16N, NAD83

MAP SOURCES / NOTES:
1. ORIGINAL FIGURES PROVIDED BY NANISIVIK MINE IN MINE GRID
2. SATELLITE PHOTO FROM GOOGLE EARTH/DIGITAL GLOBE, 2005
3. ALL SOIL SAMPLES COLLECTED FROM SURFACE
4. DATA COMPILED FROM INVESTIGATIONS AND SURVEYS CONDUCTED BY GARTNER LEE LIMITED.

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SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Site Remediation
Warehouse Yard and Road to Dock
Hydrocarbon Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 8	A

B SIZE 11" x 17" (279.4mm x 431.8mm)

PLOT: 20/01/2009 2:15:14 PM

BY:----

FILE NAME: 1CB002.001_03-11.DWG

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
WR-8287-F-C	05-Jul-08	25.7	971	10600
WR-8291A-F-C	10-Aug-08	7.9	361	2900
WR-8292A-F-C	10-Aug-08	2.3	111	620
WR-8294A-F-C	10-Aug-08	12.7	671	4090
WR-8466-F-C Repeat of WR-8294A-F-C	07-Sep-08	9.6	457	3880
WR-8297A-F-C	10-Aug-08	5.8	295	1800
WR-8465-F-C Repeat of WR-8297A-F-C	07-Sep-08	2.2	119	866
WR-8298A-F-C	10-Aug-08	2.1	127	610
WR-8464-F-C Repeat of WR-8298A-F-C	07-Sep-08	17.5	523	7120
WR-8299A-F-C	10-Aug-08	3.5	195	958
WR-8300A-F-C	10-Aug-08	11.3	396	3180
WR-8301A-F-C	10-Aug-08	1.9	130	511
WR-8302A-F-C	10-Aug-08	2.2	74	605
WR-8361-F-C	25-Jul-08	**63.7**	**1830**	23300
WR-8367-F-C	25-Jul-08	**58.4**	**2710**	22200
WR-7549-F-Q Duplicate of WR-8367-F-C	25-Jul-08	49.1	**2280**	17600
WR-8467-F-C Repeat of WR-8367-F-C	07-Sep-08	48.8	**2210**	15500
WR-8368-F-D	25-Jul-08	**51.6**	**3110**	19500
WR-8369-F-D	25-Jul-08	30.1	**1400**	11100
WR-8469-F-C	07-Sep-08	23.8	**2260**	10700
WR-8475-F-C	07-Sep-08	35	**1480**	11900
WR-8476-F-C	07-Sep-08	**67.3**	**2650**	22800
WR-8477-F-C	07-Sep-08	**60.0**	**2410**	20100
WR-8478-F-C	07-Sep-08	**52.8**	**2610**	18400

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
RD-8307-F-C	21-Jul-08	**55.7**	**2130**	19900
RD-8487-F-C Repeat of RD-8307-F-C	07-Sep-08	**71.3**	**3470**	**23900**
RD-8308-F-C	21-Jul-08	12.9	453	5080
RD-8326-F-C	21-Jul-08	10.6	389	3980
RD-8328-F-Q Duplicate of RD-8326-F-C	21-Jul-08	11.2	393	4330
RD-8422-F-C Repeat of RD-8326-F-C	04-Sep-08	27.9	**1290**	8700
RD-8346-F-C	24-Jul-08	11.2	358	3640
RD-8358-F-C	24-Jul-08	1.68	80.9	497
RD-8359-F-C	24-Jul-08	**50.3**	**1480**	19600
RD-8360-F-C	25-Jul-08	40.5	**1690**	15400
RD-8362-F-C	25-Jul-08	7.91	267	2800
RD-8363-F-C	25-Jul-08	36.3	708	14400
RD-8364-F-C	25-Jul-08	**67.5**	**1680**	**26500**
RD-8365-F-C	25-Jul-08	11.8	305	4330
RD-8366-F-C	25-Jul-08	**60.5**	**2540**	21900
RD-8370-F-C	25-Jul-08	31.5	**1280**	11100
RD-8371-F-C	25-Jul-08	41.4	**1220**	15400
RD-8373-F-C	25-Jul-08	25.1	**1150**	9790
RD-8421-F-C Repeat of RD-8362-F-C	04-Sep-08	6.3	252	2190
RD-8423-F-C Repeat of RD-8346-F-C	04-Sep-08	6.7	274	1910
RD-8479-F-C	07-Sep-08	34.3	**1550**	11700
RD-8483-F-C	07-Sep-08	**209**	**5340**	**67600**

Bold	Concentration greater than or equal to the Nanisivik Mine General Mine Area SQRO
Bold	Concentration greater than or equal to the Nanisivik Mine Dock Area SQRO

Soil Quality Remediation Objectives (SQROs)

Parameter	General Mine Area	Dock Area
Cadmium	50	2800
Lead	1050	4500
Zinc	23400	44000

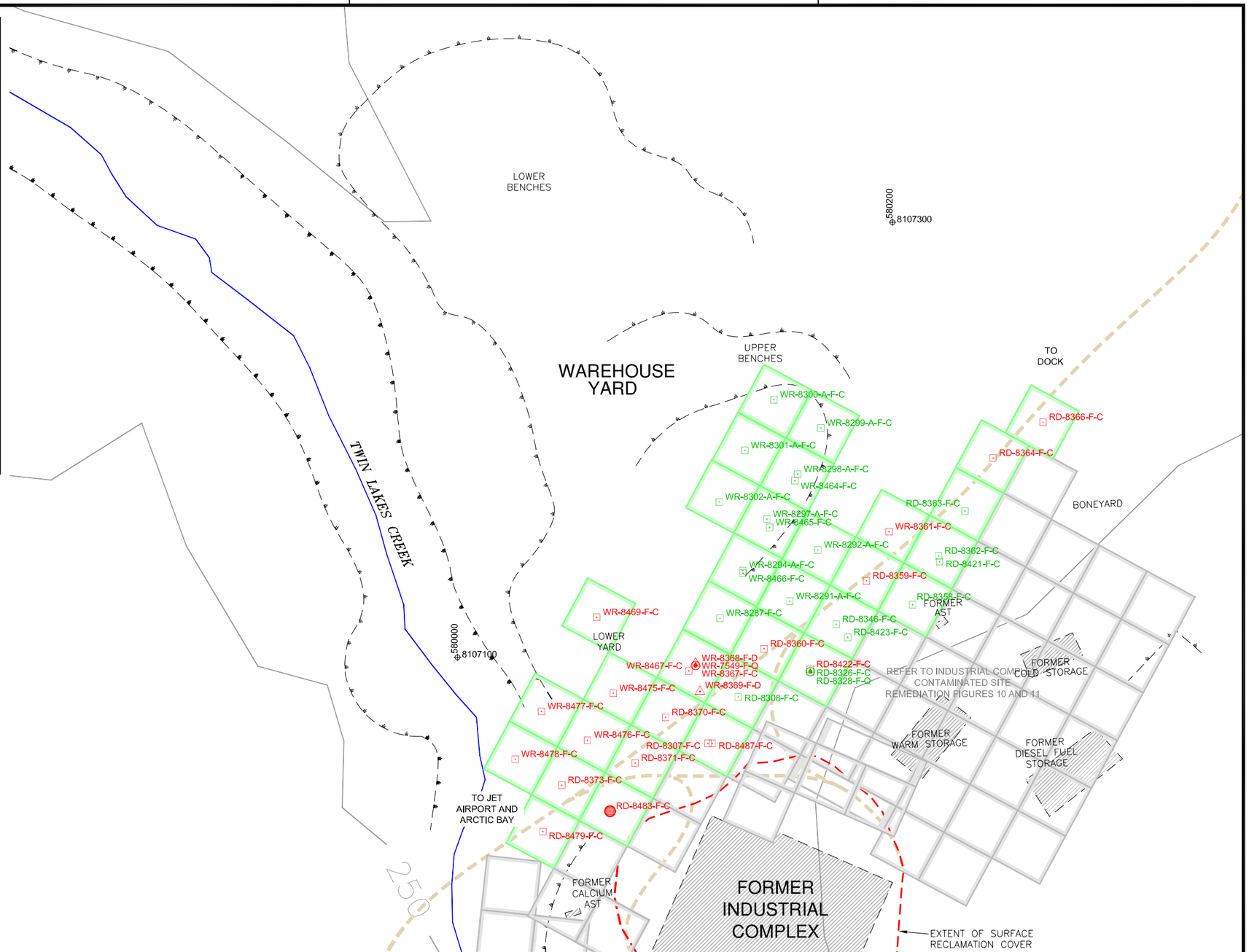
Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Meets General Mine Area SQRO)
- Composite Sample (Meets General Mine Area SQRO)
- QA/QC Sample (Meets General Mine Area SQRO)
- Sample Grid
- Exceeds General Mine Area SQRO and Meets Dock Area SQRO
- Exceeds Dock Area SQRO
- Former Building

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
F Floor of Excavation
W Wall of Excavation
TP Test Pit

Type
C Composite
D Discrete
Q Duplicate QA/QC



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1 : 2000
UTM Zone 16N, NAD83

MAP SOURCES / NOTES:
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SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Site Remediation
Warehouse Yard and Road to Dock
Metal Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	**Figure 9**	**A**

Sample ID	Date	Depth	PHC Fraction 1 (mg/kg)	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
IC-5294-W-C	14-Jun-05	0.0	<20	131	<20	<20
IC-5295-W-C	14-Jun-05	0.0	<20	<20	<20	<20
IC-5299-F-C	14-Jun-05	0.0	<20	142	65	<20
IC-6271-F-C	22-Sep-06	0.0	-	29	147	<20
IC-6272-F-C	22-Sep-06	0.0	-	113	**852**	<20
IC-6273-F-D	22-Sep-06	0.0	-	<20	45	<20
IC-6274-F-D	22-Sep-06	0.0	-	176	49	<20
IC-6275-F-C	22-Sep-06	0.0	-	<20	213	<20
IC-8133-W-C	29-Aug-07	> 3.0	-	<20	96	<20
IC-8134-W-C	29-Aug-07	> 3.0	-	255	308	<20
IC-8136-W-C	29-Aug-07	> 1.5	-	980	2360	550
IC-8166-F-C	01-Sep-07	> 1.5	-	58	276	52
IC-8168-F-C	02-Sep-07	0.0	-	83	155	20
IC-8169-F-C	02-Sep-07	0.0	-	<20	98	25
IC-8176-F-C	03-Sep-07	> 3.0	-	534	323	52
IC-8177-F-C	03-Sep-07	> 3.0	-	557	1860	122
IC-8193-F-C	08-Sep-07	> 1.5	<20	92	348	<20
IC-8208-F-C	10-Sep-07	> 1.5	-	24	100	<20
IC-8282-F-C	03-Jul-08	0.0	-	70	295	91
IC-8309-F-C	21-Jul-08	0.0	-	56	**496**	550
IC-8390-F-C Repeat of IC-8309-F-C	24-Aug-08	0.0	-	<20	180	37
IC-7551-F-Q Duplicate of IC-8390-F-C	24-Aug-08	0.0	-	<20	20	<20
IC-8312-F-C	21-Jul-08	0.0	-	<20	184	<20
IC-8314-F-C	21-Jul-08	0.0	-	<20	28	<20
IC-8315-F-C	21-Jul-08	0.0	-	<20	38	<20
IC-8316-F-D	21-Jul-08	0.0	-	<20	<20	<20
IC-8317-F-D	21-Jul-08	0.0	-	<20	<20	<20
IC-8318-F-C	21-Jul-08	0.0	-	194	24	<20
IC-8384-F-C Repeat of IC-8318-F-C	24-Aug-08	0.0	-	68	<20	<20
IC-8319-F-D	21-Jul-08	0.0	-	<20	<20	<20
IC-8320-F-C	21-Jul-08	0.0	-	36	<20	<20
IC-8321-F-C	21-Jul-08	0.0	-	<20	<20	<20
IC-8323-F-C	21-Jul-08	0.0	-	<20	25	<20
IC-8325-F-C	21-Jul-08	0.0	-	79	289	<20
IC-8347-F-C	24-Jul-08	0.0	-	<20	274	<20
IC-8348-F-C	24-Jul-08	0.0	-	<20	28	<20
IC-8349-F-C	24-Jul-08	0.0	-	33	140	<20
IC-8350-F-C	24-Jul-08	0.0	-	33	<20	<20
IC-8351-F-C	24-Jul-08	0.0	-	315	<20	<20
IC-8352-F-C	24-Jul-08	0.0	-	31	93	<20
IC-8353-F-C	24-Jul-08	0.0	-	26	37	<20
IC-8354-F-C	24-Jul-08	0.0	-	<20	<20	<20
IC-8355-F-C	24-Jul-08	0.0	-	138	40	<20
IC-7548-F-Q Duplicate of IC-8355-F-C	24-Jul-08	0.0	-	104	32	<20
IC-8356-F-D	24-Jul-08	0.0	-	243	22	<20
IC-8357-F-D	24-Jul-08	0.0	-	273	222	23
IC-8365-F-C Repeat of IC-5299-F-C	25-Jul-08	0.0	-	24	138	<20
IC-8374-F-C	23-Aug-08	0.0	-	223	183	43
IC-8420-F-C Repeat of IC-8374-F-C	04-Sep-08	0.0	-	**1450**	**509**	75
IC-8375-F-C	23-Aug-08	0.0	-	<20	<20	<20
IC-8376-F-C	23-Aug-08	0.0	-	131	258	44
IC-8377-F-C	23-Aug-08	0.0	-	<20	<20	<20
IC-8378-F-C	23-Aug-08	0.0	-	28	283	47
IC-7550-F-Q Duplicate of IC-8378-F-C	23-Aug-08	0.0	-	<20	211	30
IC-8379-F-D	23-Aug-08	0.0	-	<20	327	45
IC-8380-F-D	23-Aug-08	0.0	-	<20	201	45
IC-8381-F-C	23-Aug-08	0.0	-	35	39	<20
IC-8382-F-C	23-Aug-08	0.0	-	<20	21	<20
IC-8383-F-C	23-Aug-08	0.0	-	22	178	30
IC-8385-F-C	24-Aug-08	0.0	-	29	178	31
IC-8386-F-C	24-Aug-08	0.0	-	<20	42	<20

Sample ID	Date	Depth	PHC Fraction 1 (mg/kg)	PHC Fraction 2 (mg/kg)	PHC Fraction 3 (mg/kg)	PHC Fraction 4 (mg/kg)
IC-8387-F-C	24-Aug-08	0.0	-	181	206	28
IC-8388-F-C	24-Aug-08	0.0	-	47	27	<20
IC-8389-F-C	24-Aug-08	0.0	-	158	295	54
IC-8488-F-C Repeat of IC-8389-F-C	07-Sep-08	0.0	-	**1580**	**749**	131
IC-8485-F-C	07-Sep-08	0.0	-	<20	364	62
IC-8486-F-C	07-Sep-08	0.0	-	51	**736**	116

Bold	Concentration greater than SQRO for Residential Land Use (>RL) and less than SQRO for Commercial Land Use (<CL)
Bold	Concentration greater than or equal to the SQRO for Commercial Land Use (>CL)

Soil Quality Remediation Objectives (SQROs)

Parameter	Residential Land Use	Commercial Land Use
F2 (C10-C16) surface	450 mg/kg	760 mg/kg
F3 (C16-C24) surface	400 mg/kg	1700 mg/kg
F4 (C34-C50) surface	2800 mg/kg	3300 mg/kg

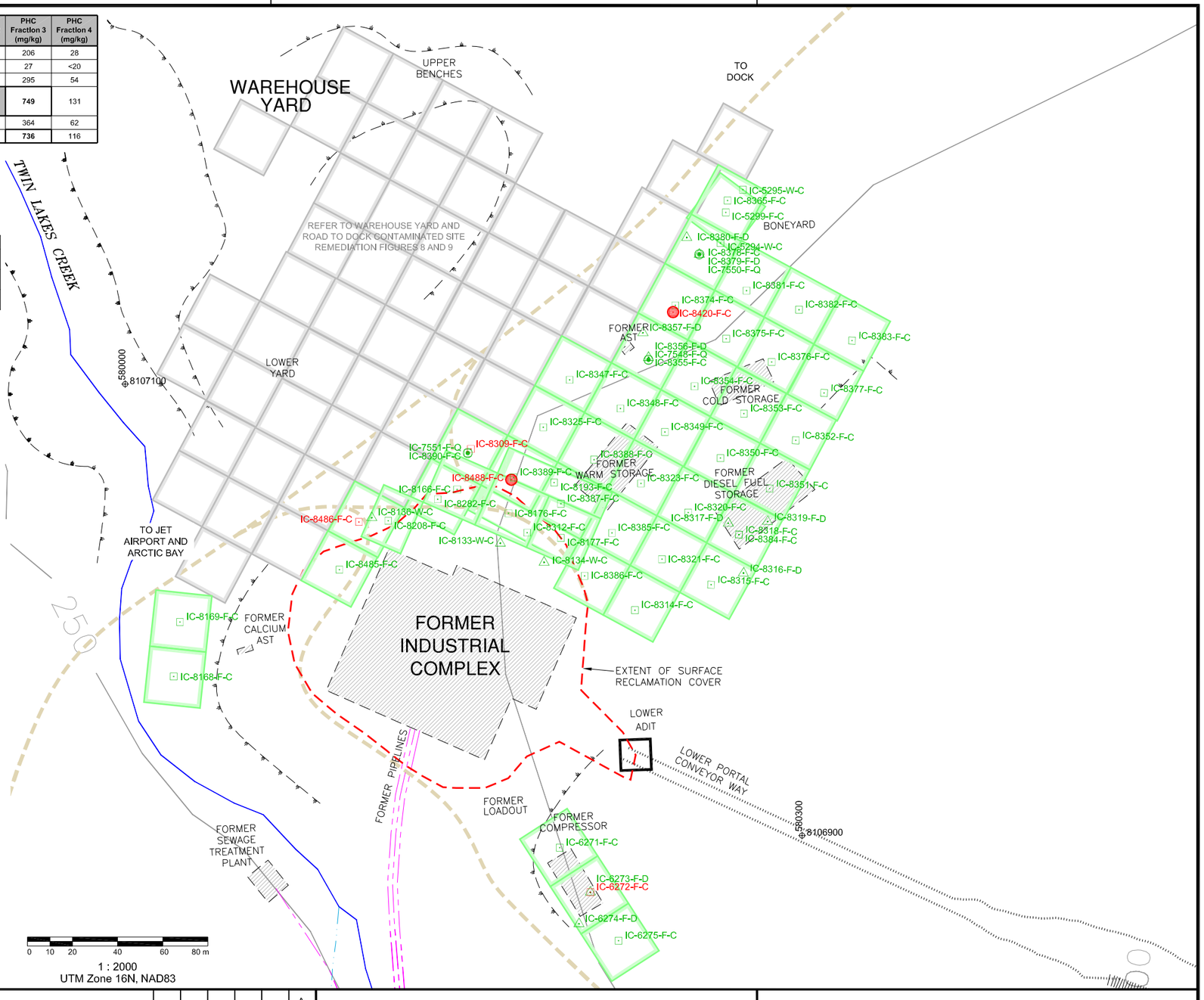
Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Sample < RL)
- Composite Sample (Sample < RL)
- QA/QC Sample (Sample < RL)
- Sample Grid
- Sample >RL < CL
- Sample > CL
- Former Building

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
F Floor of Excavation
W Wall of Excavation
TP Test Pit

Type
C Composite
D Discrete
Q Duplicate QA/QC



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SRK Consulting
Engineers and Scientists
Vancouver B.C.

CanZinco Limited
Nanisivik Mine, Nunavut

Contaminated Site Remediation
Industrial Complex
Hydrocarbon Remediation

PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	**Figure 10**	**A**

B SIZE 11" x 17" (279.4mm x 431.8mm)

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FILE NAME: 1CB002.001_03-11.DWG

Sample ID	Date	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
IC-8166-F-C	01-Sep-07	-	**1240**	7210
IC-8168-F-C	02-Sep-07	-	**1320**	11200
IC-8169-F-C	02-Sep-07	-	**1890**	20700
IC-8176-F-C	03-Sep-07	-	231	1530
IC-8177-F-C	03-Sep-07	-	**1080**	10400
IC-8182-F-C	05-Sep-07	-	175	1320
IC-8193-F-C	08-Sep-07	11.7	505	4370
IC-8206-F-C	10-Sep-07	45.1	**2630**	15900
IC-8282-F-C	03-Jul-08	11.2	404	4210
IC-8309-F-C	21-Jul-08	20.7	947	7590
IC-8390-F-C Repeat of IC-8309-F-C	24-Aug-08	36.9	**1490**	12300
IC-7551-F-Q Duplicate of IC-8390-F-C	24-Aug-08	14.4	610	4670
IC-8312-F-C	21-Jul-08	5.91	241	2500
IC-8314-F-C	21-Jul-08	9.45	320	3780
IC-8315-F-C	21-Jul-08	6.20	160	1770
IC-8316-F-D	21-Jul-08	5.76	180	1950
IC-8317-F-D	21-Jul-08	2.62	61.4	1050
IC-8318-F-C	21-Jul-08	3.31	96.6	1220
IC-8384-F-C Repeat of IC-8318-F-C	24-Aug-08	2.6	113	1050
IC-8319-F-D	21-Jul-08	4.87	114	1380
IC-8320-F-C	21-Jul-08	6.76	206	2620
IC-8321-F-C	21-Jul-08	7.00	259	2700
IC-8323-F-C	21-Jul-08	3.02	109	1190
IC-8324-F-C	21-Jul-08	2.05	123	924
IC-8325-F-C	21-Jul-08	3.77	76.6	1100
IC-8347-F-C	24-Jul-08	5.43	104	1950
IC-8348-F-C	24-Jul-08	2.4	71	881
IC-8349-F-C	24-Jul-08	2.84	60.0	938
IC-8350-F-C	24-Jul-08	3.44	156	1140
IC-8351-F-C	24-Jul-08	2.98	85.0	1020
IC-8352-F-C	24-Jul-08	5.69	196	2080
IC-8353-F-C	24-Jul-08	4.73	135	1560
IC-8354-F-C	24-Jul-08	2.94	58.8	1040
IC-8355-F-C	24-Jul-08	1.92	93.5	720
IC-7548-F-Q Duplicate of IC-8355-F-C	24-Jul-08	1.70	80.5	496
IC-8356-F-D	24-Jul-08	0.85	45.6	287
IC-8357-F-D	24-Jul-08	1.33	57.1	392
IC-8365-F-C	25-Jul-08	11.8	305	4330
IC-8374-F-C	23-Aug-08	7.3	238	3030
IC-8375-F-C	23-Aug-08	3.2	137	1360
IC-8376-F-C	23-Aug-08	20.7	422	8590
IC-8377-F-C	23-Aug-08	11.7	290	5670
IC-8378-F-C	23-Aug-08	20.5	555	7670
IC-7550-F-Q Duplicate of IC-8378-F-C	23-Aug-08	18.7	456	7050
IC-8379-F-D	23-Aug-08	13.2	403	4900
IC-8380-F-D	23-Aug-08	39.6	**1200**	14200
IC-8381-F-C	23-Aug-08	5.8	188	2060
IC-8382-F-C	23-Aug-08	6.4	245	2870
IC-8383-F-C	23-Aug-08	17.9	629	7390
IC-8385-F-C	24-Aug-08	23.7	**1180**	8320
IC-8386-F-C	24-Aug-08	4.5	161	1620
IC-8387-F-C	24-Aug-08	4.4	147	1710
IC-8388-F-C	24-Aug-08	2.9	127	1110
IC-8389-F-C	24-Aug-08	4.1	166	1650
IC-8488-F-C Repeat of IC-8389-F-C	07-Sep-08	5.1	198	1770
IC-8420-F-C	04-Sep-08	1.4	62	430
IC-8480-F-C	07-Sep-08	**53.6**	**5400**	16300
IC-8481-F-C	07-Sep-08	**242**	**6050**	**92600**
IC-8482-F-C	07-Sep-08	**147**	**7510**	**51900**
IC-8484-F-C	07-Sep-08	**75.6**	**6170**	22600
IC-8485-F-C	07-Sep-08	**65.0**	**2610**	20100
IC-8486-F-C	07-Sep-08	**78.9**	**3490**	**23400**

Bold	Concentration greater than or equal to the Nanisivik Mine General Mine Area SQRO
Bold	Concentration greater than or equal to the Nanisivik Mine Dock Area SQRO

Soil Quality Remediation Objectives (SQROs)

Parameter	General Mine Area	Dock Area
Cadmium	50	2800
Lead	1050	4500
Zinc	23400	44000

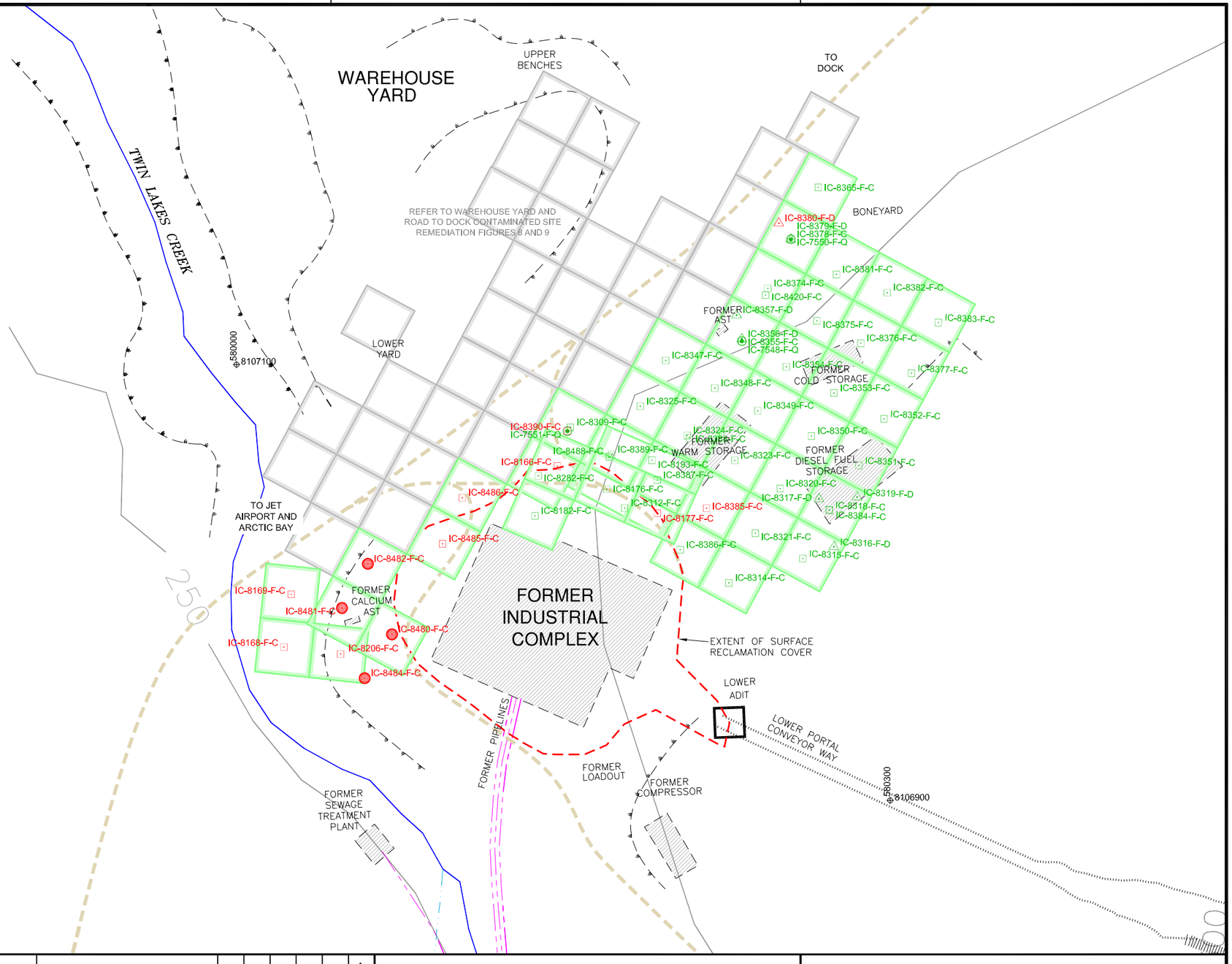
Legend

- Road
- Shoreline, Drainage, Streams
- Intermittent Drainage
- Top of Bank
- Pipeline
- Discrete Sample (Meets General Mine Area SQRO)
- Composite Sample (Meets General Mine Area SQRO)
- QA/QC Sample (Meets General Mine Area SQRO)
- Sample Grid
- Exceeds General Mine Area SQRO and Meets Dock Area SQRO
- Exceeds Dock Area SQRO
- Former Building

CSHED-7941-F-C
<AREA>-<SAMPLE ID>-<LOCATION>-<TYPE>

Location
- F Floor of Excavation
- W Wall of Excavation
- TP Test Pit

Type
- C Composite
- D Discrete
- Q Duplicate QA/QC



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Contaminated Site Remediation
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PROJECT NUMBER	DRAWING NUMBER	ISSUE/REVISION
1CB002.001	Figure 11	A