2010 ASSESSMENT REPORT

ON THE

Kiwi Project

Whitehorse Mining District
Mapsheet 105P05

Center of Work

Latitude 62º36'N, Longitude 131º51'W

Volume I - Report

Prepared for:

Copper Canyon Resources Ltd.

Suite 200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

By

Aaron Higgs, B.Sc. (Geol)

TerraLogic Exploration Services

Suite 200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

March 8, 2011

SUMMARY

The Kiwi property consists of 32 quartz claims (652.5 hectares) 85 km northeast of Ross River and is situated ~ 25 km west of the North Canol Road. The property is located within the Whitehorse mining district on NTS map sheet 105P05 with a centre lat and long point of 62º36'N, 131º51'W. The property was discovered in 1997 by Teck during regional exploration of the area.

The project targets high-grade epithermal auriferous quartz veins, stringers and quartz breccias within silicified clastic rocks of the Road River Group. Mineralization appears to be spatially related to variably altered quartz feldspar porphyry dykes of probable Cretaceous age.

The 2010 exploration program consisted of ground geochemical soil sampling, rock chip sampling of selected historic trenches, geochemical orientation surveys, exploration pits and an airborne geophysical survey. Consultant Jean Pautler conducted an orientation of the Kiwi property with Aaron Higgs and Bronwen Wallace prior to the July ground program. An exploration camp was set up on the property for the duration of the program from July 15-29th. Access to the property was via helicopter chartered out of Ross River.

The rock sampling and subsequent screen metallic analysis confirmed the historic results from the trenches around the Discovery zone. The highest results returned 0.5 g/t Au over 2 m (T-11).

Geochemical orientation pits were dug directly over the Discovery zone. The soil profile here is highly variable but consists of very poor development of any B horizon and thick till cover of unknown depth. An ash layer also exists over the most of the property. Soil geochemical values from the property have the potential to be highly diluted due to this poor soil development and thick till cover. Surficial geology and glacial movement should be closely taken into consideration when evaluating soil geochemical results.

Exploration Pits were dug to follow up an anomalous soil sample from the 1998 exploration program which returned 85 ppb Au. None of the pits intersected anomalous Au values but they were able to constrain the contact between the intrusive and shale units.

The Geochemical Soil and MMI surveys identified one highly prospective Au-As anomaly in the eastern extent of line KW44+00N. This 100 m by 25 m anomaly sits right on the contact zone between the intrusive and shale units and could represent buried mineralization. Further investigation is warranted at this locality.

Preliminary interpretation of the airborne geophysical survey has identified several prospective exploration targets based on coincident mag and EM signatures.. An anomaly over the Discovery/VG showing zone indicates these geophysical targets may be related to gold mineralization. One promising target was defined by a mag trough coincident with an EM high in the southwestern corner of the property. Another one of these is located in the northeastern corner of the property.

The Kiwi property has the potential to host both high grade epithermal and low grade bulk tonnage gold mineralization. Exploration on the property is severely hampered by the lack of exposed outcrop and very thick till cover and overall poor soil development. Although the 2010 exploration program was not overly successful in terms of results, some new targets were defined by the geophysical and geochemical surveys and the overall geoscientific understanding on the property was significantly enhanced. Therefore, further work is recommended on the property.

Total 2010 expenditures on the Kiwi property were $192,307.83.

Table of Contents

Introduction....1
Physiography and Access....1
Tenure....3
History and Previous Work....4
Geology....5
Regional Geology Description....5
Property Geology Description....5
2010 Exploration Program....10
2010 Exploration Results....11
Geochemistry....11
Exploration Pits....17
Geophysical Survey....18
Conclusions....29
Recommendations....30
References....31

List of Figures

Figure 1 – Property Location map....2
Figure 2 – Tenure Map....7
Figure 3a – Regional Geology Map....8
Figure 3b – Regional Geology Legend....9
Figure 4 – Property Geology and Station Location Map....19
Figure 5a – Rock Sample Location Map....20
Figure 5b – Silt Sample Location Map....21
Figure 5c – Soil Sample Location Map....22
Figure 6a – 2010 Sample Geochemical Results - Au....23
Figure 6b – 2010 Sample Geochemical Results - As....24
Figure 6c – 2010 Sample Geochemical Results - Ag....25
Figure 7a – MMI Response Ratio Map - Au....26
Figure 7b – MMI Response Ratio Map - As....27
Figure 7c – MMI Response Ratio Map - Ag....28

List of Tables

Table 1 – Kiwi Claim Information....3
Table 2 – Rock Geochemical Statistics....12
Table 3 – Rock Elemental Correlations....13
Table 4 – Soil Geochemical Statistics....15
Table 5 – Soil Elemental Correlations....16

List Of Appendices

Appendix I – Statement of Qualifications

Appendix II – Statement of Expenditures

Appendix III – Geochemical Protocol

Appendix IV – Sample Descriptions and Locations

Appendix V – Analytical Certificates

Appendix VI – Bedrock Geological Mapping

Appendix VII – Geophysical Report from Aeroquest Geophysics

INTRODUCTION

The Kiwi property consists of 32 quartz claims (652.5 hectares) 85 km northeast of Ross River and is situated ~ 25 km west of the North Canol Road. The property is located within the Whitehorse mining district on NTS map sheet 105P05 with a centre lat and long point of 62º36'N, 131º51'W. The property was discovered in 1997 by Teck during regional exploration of the area.

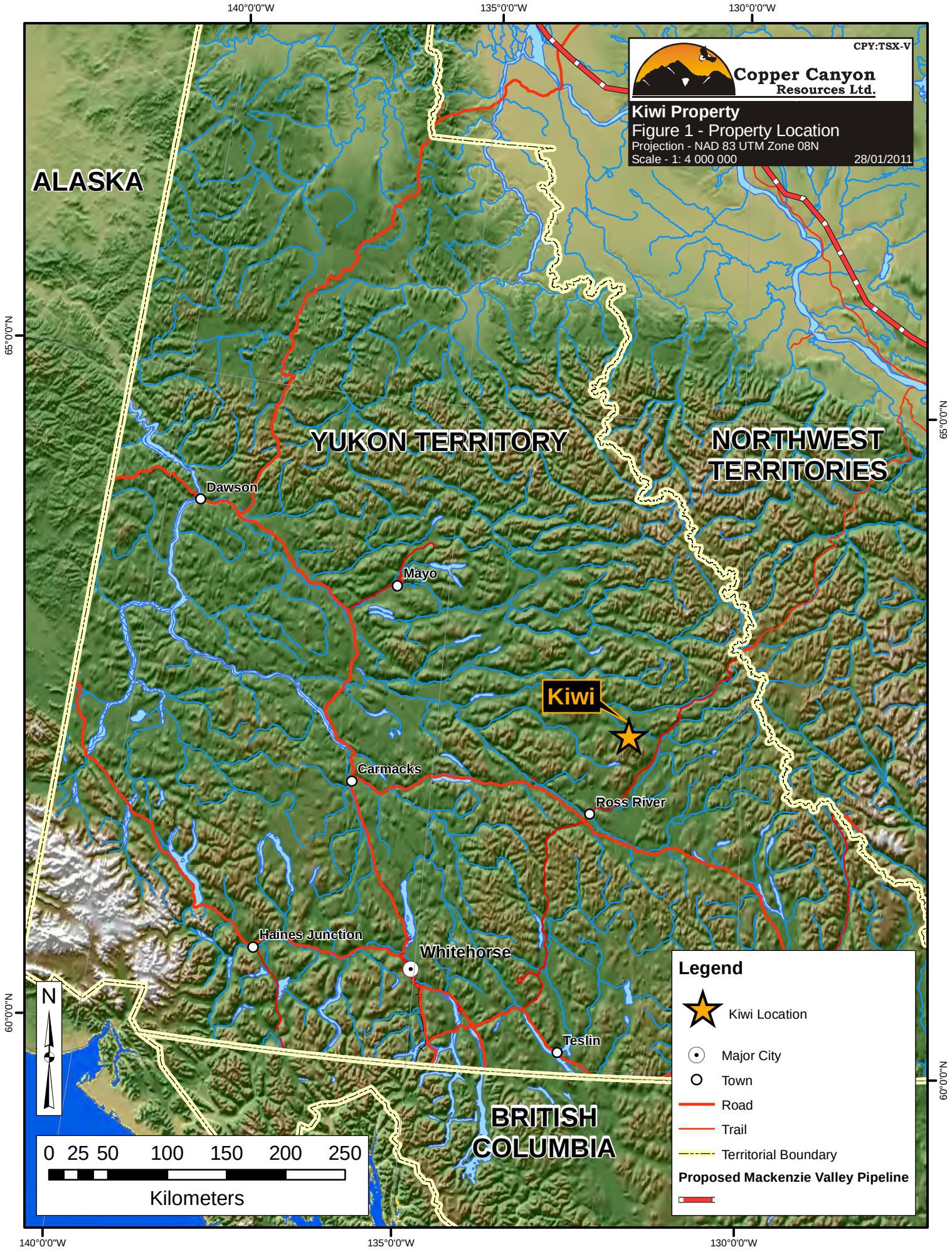
The project targets high-grade epithermal auriferous quartz veins, stringers and quartz breccias within silicified clastic rocks of the Road River Group. Mineralization appears to be spatially related to variably altered quartz feldspar porphyry dykes of probable Cretaceous age.

Work on the property is limited to the 1997 and 1998 field seasons and consisted of geologic mapping, soil surveys and a 194 m^2 trenching program in 12 trenches. The Kiwi property exhibits potential to host both high-grade epithermal style Au mineralization along with bulk tonnage Au mineralization associated with 100 m scale alteration packages within the host sediments. Open geochemical soil anomalies (Au, Ag and As) to the north and south along strike of the mineralized system make it an excellent candidate for a substantial geochemical program.

Physiography and Access

The Kiwi property can be accessed via helicopter charter from Ross River, which is roughly 85 km to the southwest of the property. The closest staging ground for the property is at the Dragon Lake boat launch off the Canol Road, 25 km to the west of the property. The closest airstrip is at Twin Creeks, located another 11 km up the Canol Road from Dragon Lake.

The claims lie in a low lying area south of the Riddell River within the Yukon Plateau. Outcrop exposure is extremely poor but does exist along some of the creek drainages. Elevations on the property range from 900m to 1300m. Vegetation includes trees, buckbrush and moss. Most of the property was burned in a forest fire sometime in the early 1990's. The ground in the low areas of the property, especially in the south, are commonly saturated with water and form thick moss cover over permafrost.


CPY:TSX-V
Copper Canyon Resources Ltd.
Kiwi Property
Figure 1 - Property Location
Projection - NAD 83 UTM Zone 08N
Scale - 1: 4 000 000
28/01/2011
140°0'0"W
135°0'0"W
130°0'0"W
65°0'0"N
60°0'0"N
ALASKA
YUKON TERRITORY
NORTHWEST TERRITORIES
BRITISH COLUMBIA
Dawson
Mayo
Kiwi
Carmacks
Ross River
Haines Junction
Whitehorse
Teslin
N
0 25 50 100 150 200 250
Kilometers
Legend
Kiwi Location
Major City
Town
Road
Trail
Territorial Boundary
Proposed Mackenzie Valley Pipeline

Tenure

The Kiwi property comprises of 32 quartz claims totaling 652.5 hectares. The mineral claim boundaries have not yet been legally surveyed. Title to the claims is held 100% in the name of Copper Canyon Resources Ltd. Claim information is as follows:

Table 1 – Kiwi Claim Information

Grant Number	*Claim Name*	*Owner*	*Area (Ha)*	*Recording Date (MM/DD/YYYY)*	*Expiry Date (MM/DD/YYYY)*
YD20225	KIWI 25	CPY	21	2/15/2010	02/15/2016
YD20206	KIWI 6	CPY	21	2/15/2010	02/15/2016
YD20214	KIWI 14	CPY	21	2/15/2010	02/15/2016
YD20202	KIWI 2	CPY	21	2/15/2010	02/15/2016
YD20228	KIWI 28	CPY	21	2/15/2010	02/15/2016
YD20227	KIWI 27	CPY	21	2/15/2010	02/15/2016
YD20201	KIWI 1	CPY	21	2/15/2010	02/15/2016
YD20230	KIWI 30	CPY	21	2/15/2010	02/15/2016
YD20209	KIWI 9	CPY	21	2/15/2010	02/15/2016
YD20223	KIWI 23	CPY	21	2/15/2010	02/15/2016
YD20203	KIWI 3	CPY	21	2/15/2010	02/15/2016
YD20232	KIWI 32	CPY	21	2/15/2010	02/15/2016
YD20217	KIWI 17	CPY	9.3	2/15/2010	02/15/2016
YD20204	KIWI 4	CPY	21	2/15/2010	02/15/2016
YD20221	KIWI 21	CPY	20.5	2/15/2010	02/15/2016
YD20215	KIWI 15	CPY	21	2/15/2010	02/15/2016
YD20218	KIWI 18	CPY	21	2/15/2010	02/15/2016
YD20210	KIWI 10	CPY	21	2/15/2010	02/15/2016
YD20226	KIWI 26	CPY	21	2/15/2010	02/15/2016
YD20207	KIWI 7	CPY	21	2/15/2010	02/15/2016
YD20222	KIWI 22	CPY	21	2/15/2010	02/15/2016
YD20224	KIWI 24	CPY	21	2/15/2010	02/15/2016
YD20229	KIWI 29	CPY	21	2/15/2010	02/15/2016
YD20211	KIWI 11	CPY	21	2/15/2010	02/15/2016
YD20213	KIWI 13	CPY	21	2/15/2010	02/15/2016
YD20219	KIWI 19	CPY	13.7	2/15/2010	02/15/2016
YD20216	KIWI 16	CPY	21	2/15/2010	02/15/2016
YD20208	KIWI 8	CPY	21	2/15/2010	02/15/2016
YD20205	KIWI 5	CPY	21	2/15/2010	02/15/2016
YD20231	KIWI 31	CPY	21	2/15/2010	02/15/2016
YD20220	KIWI 20	CPY	21	2/15/2010	02/15/2016
YD20212	KIWI 12	CPY	21	2/15/2010	02/15/2016

History and Previous Work

The Ross River area was first explored in 1880 by Robert Campbell of the Hudsons Bay Company. Prospectors entered the country via the Liard River around the 1880's looking for placer gold deposits, which they found in minor amounts in the Finlayson River. Prospecting activity increased dramatically in the 1950's and 1960's with the discovery of the Anvil lead-zinc deposit at Faro. In the 1990's a large exploration rush occurred in the area due to the discovery of the Kutz ze Kayah and Wolverine massive sulphide deposits in the Finlayson Lake area. Also in the late 1990's, was an exploration boom in the "Tintina Gold Belt" for Intrusive-hosted gold mineralization associated with mid-Cretaceous intrusions. Since then, the Ross River area has experienced an increase in exploration activity and many mineral occurrences in the Selwyn Basin are being re-visited.

The Kiwi property was first discovered by Teck in 1997. A gossan was located on the western bank of Kiwi Creek while conducting regional exploration of the area (Discovery Zone). Kiwi Creek is a northwesterly flowing tributary of Kea Creek which flows northerly into the Riddell River. Subsequent examination of the gossan revealed the presence of visible gold. No previous work is documented in the area but AGIP conducted exploration on an epithermal showing 15 km to the south in the early 1980's.

Work conducted by Teck Resources Ltd in 1997 consisted of five small hand trenches in close proximity to the VG showing and the Discovery Zone along with a 15 line km soil sampling grid centred on the Discovery Zone. A grab sample of the local float from the VG Showing returned 115.6 g/t Au and 32.7 g/t Ag. The trenching program returned widespread anomalous values for Au and As but not high enough to be of economic interest. The soiling program returned six anomalous zones, focusing on anomalous values for Au, Ag and As.

Work conducted by Teck Resources Ltd. in 1998 consisted of trenching, soil sampling and geological mapping/prospecting. Twelve trenches (six of which reached bedrock) were completed in 1998, mostly focused in the Discovery Zone, with one trench in the North Zone, to follow up anomalies located during the 1997 program. The trenching was able to expand the extent of the alteration in the Discovery Zone but still did not come back with results of economic interest with the highest value returned for Au at 735 ppb. The soil sample grid was expanded another 37 line km. The soil program was able to delineate a few more low order Au, Ag and As anomalies.

GEOLOGY

The following geologic description of the property is taken from Jean Paulter's 1998 Assessment Report on the Kiwi Property.

Regional Geology Description

The regional geology of the Kiwi occurrence is represented on the Sheldon (105 J) and Tay River (105 K) Map Sheets, Map 19-1987 by Gordey and Irwin.

Folded clastic sedimentary rocks of the Ordovician to Silurian Road River Group, locally overlain by Devono-Mississipian Earn Group clastics, are exposed, in part as a horst, beneath a down dropped block of the mid Cretaceous South Fork Volcanic Complex. Fold axes trend northwesterly and an anticlinal trace is shown that may pass through the Kiwi Showing area.

Property Geology Description

There is very limited exposure on the Kiwi property and fairly extensive till cover. The outcrop is largely confined to creek banks and to the top of knolls in the western claim area, which is higher in elevation.

The oldest rocks exposed on the property are the clastic sedimentary rocks of the Road River Group (Unit 1) which primarily consist of black, commonly graphitic shales with minor black grit. The shales are probably more extensive than mapped due to recessive weathering, with exposures primarily confined to the creeks. They are known to underlie the southern claim area and are exposed along Kea, Kiwi and Kakapo Creeks.

The clastic sedimentary rocks are overlain by volcanic rocks of the mid Cretaceous South Fork Volcanic Complex (Unit 2). The volcanic rocks are exposed primarily along Kea Creek and just west of the Discovery Zone in Trench 98-12. They include massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows. They appear to grade into subvolcanic quartz, feldspar porphyry (QFP) equivalents (Unit 3). Fragments in the tuff are commonly altered to chlorite and clots of pyrite are common. Andesitic feldspar porphyry of Unit 2 is also exposed along Kea Creek.

Both of the above units are intruded by dykes and sills of quartz, feldspar porphyritic quartz monzonite (Unit 3). It is unclear whether the quartz monzonite is associated with the mid Cretaceous Selwyn Plutonic Suite (possibly subvolcanic to the South Fork Volcanic Complex) or as a subvolcanic to the Tertiary rhyolitic quartz-sanidine porphyry which is known to outcrop to the west of the property. It appears that the QFP grades into Unit 2 because it is often difficult to differentiate between them. The quartz feldspar porphyry is primarily exposed in the western and south-eastern claim areas.

Mineralization

Visible gold was discovered, associated with fine white, drusy quartz stringers in silicified black shale, on the western bank of Kiwi Creek (VG Showing) while conducting regional exploration of the area. Two veins are evident in the VG Showing area, both at or proximal to the quartz monzonite/shale contacts. Vein 1 appears to trend 020-025°/85°E, varies from 0.3 to 1.0m wide and has been traced for

12m (the strike extents are covered by overburden). Quartz stringers, stockworking and silicification is also common in the Discovery Zone (a 135m long gossanous exposure in Kiwi Creek). Sulfide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment.

The Kiwi North Zone, 800m north of the Discovery Zone, is centred at the contact between pyritized QFP (00444,47-48,50) and the black shale (00445-46,49) along a fault zone was further exposed The contact trends 310°/50°W and the fault trends 150-170°/80°SW. The QFP is deeply weathered, pyritic, limonitic and clay altered.

Drusy quartz stringers, minor silicification, pervasive clay to propyllitic alteration and pyritization, ±pyrrhotite are evident in the New Zone, 700m west of the Discovery Zone (00462-75, 77-87).

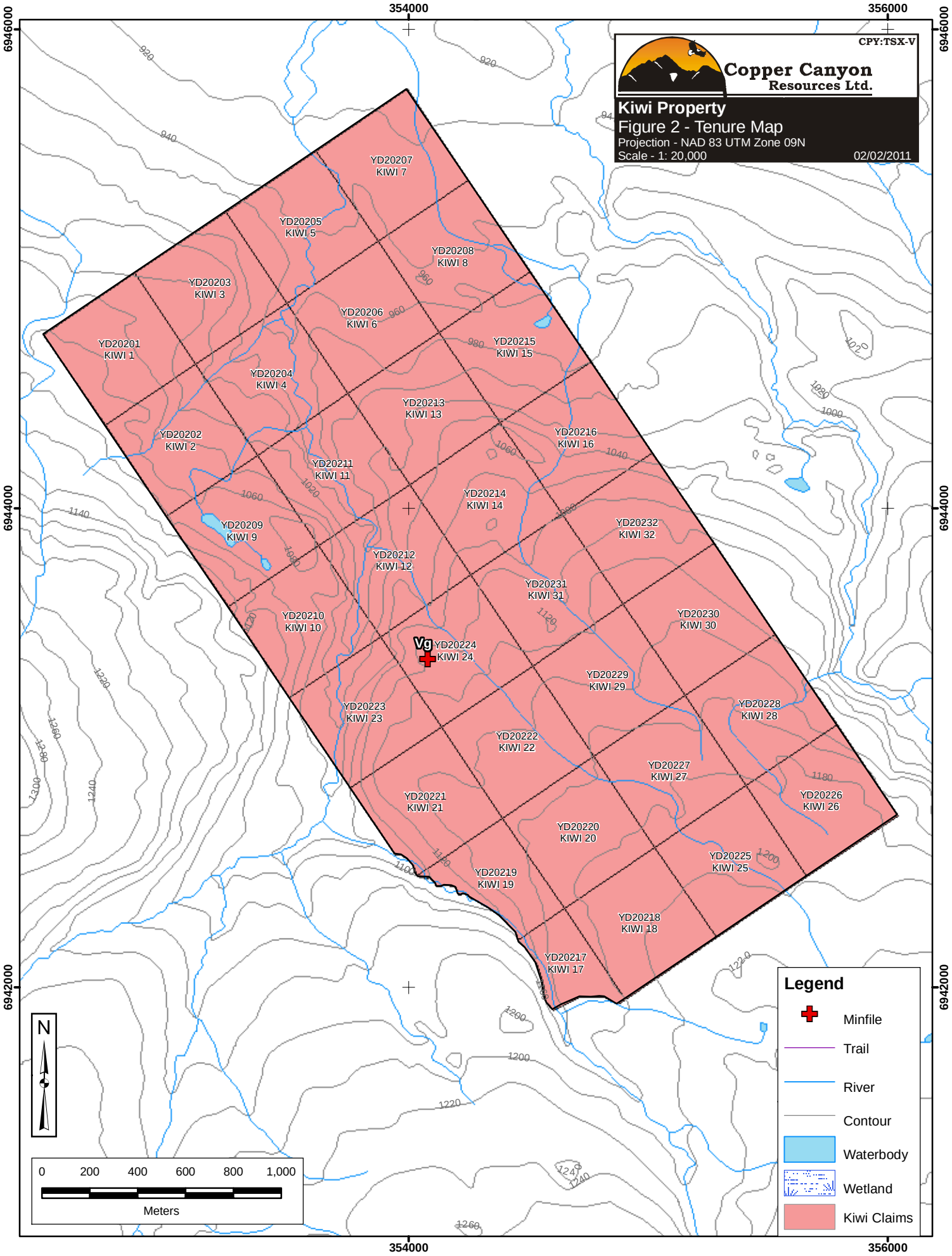
Alteration

Three alteration zones have been discovered on the property, the Discovery, North and New Zones. At the Discovery Zone, alteration is most evident in the intrusive rocks and consists of clay, sericite, pyrite and silicification. Silicification with pyritization and some sericitization also occurs in the shales. The 1998 trenching program extended the size of the Discovery Alteration Zone to 200x100m, open in three directions. At the North Zone, the exposed alteration is less extensive, not as intense and appears to be restricted to the intrusive rocks.

Property mapping and prospecting outlined a new alteration zone, at least 100m x 75m in size, 700m to the west of the Discovery Zone. The alteration appears to be higher level or more distal with more propylitization and only minor silicification.

Structure

A major fault appears to trend 160°/70-90°W, parallel to Kiwi Creek in the vicinity of the VG showing. This primary direction locally varies between 140° and 180°. A secondary fault set trends approximately 120°/60°NE. Contacts are commonly faulted along or at least parallel to the main structural direction.


CPY:TSX-V
Copper Canyon Resources Ltd.
Kiwi Property
Figure 2 - Tenure Map
Projection - NAD 83 UTM Zone 09N
Scale - 1: 20,000
02/02/2011
354000
356000
6946000
6944000
6942000
YD20201 KIWI 1
YD20202 KIWI 2
YD20203 KIWI 3
YD20204 KIWI 4
YD20205 KIWI 5
YD20206 KIWI 6
YD20207 KIWI 7
YD20208 KIWI 8
YD20209 KIWI 9
YD20210 KIWI 10
YD20211 KIWI 11
YD20212 KIWI 12
YD20213 KIWI 13
YD20214 KIWI 14
YD20215 KIWI 15
YD20216 KIWI 16
YD20217 KIWI 17
YD20218 KIWI 18
YD20219 KIWI 19
YD20220 KIWI 20
YD20221 KIWI 21
YD20222 KIWI 22
YD20223 KIWI 23
Vg YD20224 KIWI 24
YD20225 KIWI 25
YD20226 KIWI 26
YD20227 KIWI 27
YD20228 KIWI 28
YD20229 KIWI 29
YD20230 KIWI 30
YD20231 KIWI 31
YD20232 KIWI 32
N
0 200 400 600 800 1,000
Meters
Legend
Minfile
Trail
River
Contour
Waterbody
Wetland
Kiwi Claims

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 3a - Regional Geology

Projection - NAD 83 UTM Zone 09N

Scale - 1: 100 000 28/01/2011

360000

6960000

6940000

PCH1
PCH2
DME1
ITR1
ODR
COR1
RIDDELL
mKgS
ITR2
VG
KS6
KSF
WENDY
FLOOD
PANDORA

Legend

- Town
- Minfile Occurrence
- Stream
- Contour
- Kiwi Claims
- Lake
- Wetland

0 2 4 6 8 10

Kilometers

N

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 3b - Regional Geology Legend

28/01/2011

QUATERNARY

Q: QUATERNARY: unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

LOWER TERTIARY, MOSTLY(?) EOCENE

ITR1: ROSS: locally amygdaloidal, dark grey-green olivine basalt necks and flows; subaerial and subaqueous (locally pillowed); volcaniclastic rocks; minor olivine gabbro; locally plagioclase-phyric basalt and diabase dykes; minor shale and conglomerate

ITR2: ROSS: rhyolite flows, tuffs, ash-flow tuffs and breccias, locally laminated; small stocks and necks of white weathering, flow-banded, quartz-sanidine porphyry to granite porphyry, locally obsidian bearing; local shale, sandstone and conglomerate

MID-CRETACEOUS

mKgS: SELWYN SUITE: resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspasr) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite (Selwyn Suite)

KSF: SOUTH FORK: dark brown weathering, locally columnar jointed, massive, densely welded, biotite-quartz-hornblende-feldspar crystal tuff (South Fork Volcanics)

LOWER CRETACEOUS

KS6: SHARP MOUNTAIN: dark grey weathering massive to poorly bedded chert sandstone and chert pebble conglomerate; fluvial(?) (Big Timber)

DEVONIAN AND MISSISSIPPIAN

DME1: EARN: thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone (Earn Gp., Portrait Lake and Prevost)

ORDOVICIAN TO LOWER DEVONIAN

ODR: ROAD RIVER - SELWYN: black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (Road River Gp.)

UPPER CAMBRIAN AND ORDOVICIAN

COR1: RABBITKETTLE: thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff (Rabbitkettle)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCH1: HYLAND: thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble (Hyland Gp., Yusezyu)

PCH2: HYLAND: grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) (Hyland Gp., Algae Lake , limestone member of Yusezyu)

Legend

Yukon Faults

Dextral

- Defined
- Approximate
- Assumed
- Extrapolated

Sinistral

- Defined
- Extrapolated

Normal/Reverse

- Defined
- Approximate
- Assumed
- Extrapolated

Thrust Overturned

- Defined
- Approximate
- Assumed
- Extrapolated

Thrust Upright

- Defined
- Approximate
- Assumed
- Extrapolated

Movement Undefined

- Defined
- Approximate
- Assumed
- Extrapolated

Yukon Folds

Type, Orientation, Control

- Anticline, Overturned, Inferred
- Anticline, Inferred
- Monocline, Inferred
- Syncline, Overturned, Inferred
- Syncline, Inferred
- Anticline, Overturned, Assumed
- Anticline, Assumed
- Syncline, Overturned, Assumed
- Syncline, Assumed
- Anticline, Overturned, Observed
- Anticline, Observed
- Monocline, Observed
- Syncline, Overturned, Observed
- Syncline, Observed

Yukon Contacts

Type, Control

- Assumed
- Observed
- Inferred

2010 Exploration Program

The 2010 work program included: Airborne EM and mag geophysical surveys, mucking and sampling of select 1998 trenches, soil and MMI (mobile metal ion) sampling, and silt sampling. The airborne geophysical surveys were conducted by Aeroquest over the entire property. A property visit with consultant Jean Pautler took place on June 16. All sampling was conducted by a 5 man field crew between July 15-29. Access to the property was by helicopter chartered out of Ross River. A camp was set up on the property close to the Discovery Zone.

Consultant Jean Pautler conducted an orientation of the Kiwi property with Aaron Higgs and Bronwen Wallace prior to the July ground program. This included a geological investigation of gold hosting lithologies and alteration suites and a summary of unpublished previous work.

Soil sampling was completed extending the 1997/1998 soil grid to the south where a significant Au/Ag anomaly was open, and to cover the 2010 geophysical targets. The soil grid was extended to the west over the New Zone and included infill soil sampling. 2 soil lines were completed over the North Zone. Several closely spaced soil lines were completed over the Discovery Zone. Additionally, MMI samples were taken at each soil sample location. A total of 811 soil sample stations were taken, resulting in 647 conventional soil samples being analyzed. A total of 816 MMI sample stations were taken, resulting in 644 samples being sent in for analysis. Unfortunately, 51 of these samples were lost in transit to the SGS lab in Toronto.

Historic trenches 98 T-12 and 98 T-11 were mucked out and chip sampled. Screened metallics analysis of these samples will be completed. Several samples contained 1-5% pyrite, arsenian-pyrite, and/or arsenopyrite. Scordite was commonly observed in the silicified shales. A total of 35 rock samples were taken during the program.

When the helicopter was brought in for groceries, some time was spent trying to get some regional silt samples in the area to follow up the Maori target and a few minor RGS Au anomalies. It is very difficult to find any helicopter landing spots due to the amount of high bush so only a few samples were taken during the expedition. A total of 4 silt samples were taken during the course of the program.

The XRF analyzer was used to evaluate the exploration pits and get an understanding of the geochemical orientation on the property.

Along with the ground based field program, a 130 Airborne geophysical program was completed over the property. This consisted of Electromagnetic and Magnetic Surveys at 100 m spaced lines to test for buried intrusions and structures that could focus the flow of mineralized fluids.

All rock and soil samples were sent to Stewart Group (Eco-Tech) Laboratories in Kamploops for analysis. The samples were cataloged and dropped off at the prep lab in Whitehorse. Rocks samples were analyzed by ICP-OES with the package AR/ES along with a 30 g Au Fire Assay Geochem analysis (Au2-30). Select rock samples were also sent in for metallic screen assay, with package Au4-250. Soil samples were analyzed by ICP-MS with the package AT/UT along with 10 g Au Aqua Regia Digest (Au1-10). MMI samples were sent via Byers to the SGS Laboratory in Toronto, Ontario.

Total expenditures for the 2010 Kiwi Project were $192,307.83.

2010 Exploration Results

Preliminary interpretation of the airborne geophysics resulted in the identification of several prospective exploration targets. An EM anomaly over the Discovery/VG showing zone indicates these geophysical targets may be related to gold mineralization. One promising target was defined by a mag trough coincident with an EM high in the southeastern corner of the property.

Several orientation pits were dug on the Kiwi property. Two pits in the Discovery Zone encountered very different soil profiles, indicating soil chemistry results are difficult to interpret from one locality to another. One pit at the Discovery Zone reached bed rock while the other encountered permafrost and became filled with water which halted digging. Several pits were dug in the vicinity of the 1998 85ppb Au in soil anomaly. Some of these reached bed rock while others encountered permafrost or very large glacial erratics. The accuracy of the Road River/South Fork Volcanics contact was improved through these pits. MMI and soil samples were taken at intervals in each pit to assist in interpretation of property wide soil and MMI results.

Geochemistry

Rock Sampling

Two of the historic trenches were re-sampled and sent in for analysis by screen metallics to determine if the coarse nature of the gold had anything to do with the lower values obtained from historic trenching.

T-11

- BWKWR003-BWKWR010
- 419-424 and 416 historic samples
- 0.33 g/t over 7 m BWKWR004-BWKWR007 including 0.49 g/t over 2 m BWKWR006 historic value corresponding of 0.21 g/t over 9 m including 0.54 g/t over 2.5 m

T-12

- BWKWR012-BWKWR021
- 412-415 historic samples
- 0.07 g/t over 17.5 m including 0.12 g/t over 2.5 m
- historic values corresponding of 0.1g/t over 17.5 m including 0.18 g/t over 2.5 m

It is apparent from this sampling that the accuracy of the samples from previous programs can be trusted.

Statistics and elemental correlations were calculated on the rock sample dataset and are found in the following tables:

Table 2 – Rock Geochemical Statistics

Stats	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Ni_ppm	As_ppm	Au_ppb	Sb_ppm	Cr_ppm
Count	35.00	35.00	35.00	35.00	35.00	35.00	35.00	32.00	35.00	35.00
Min	0.50	1.00	3.00	2.00	0.25	2.00	5.00	5.00	2.50	26.00
Max	4.00	112.00	57.00	214.00	1.00	41.00	10000.00	500.00	160.00	192.00
Mean	1.50	23.89	19.80	59.83	0.41	12.31	1663.29	105.63	28.29	98.91
Median	1.00	12.00	18.00	44.00	0.30	7.00	600.00	57.50	20.00	88.00
Standard Deviation	0.97	27.44	9.52	52.90	0.19	11.10	2500.38	132.07	33.17	38.08
50th Percentile	1.00	12.00	18.00	44.00	0.30	7.00	600.00	57.50	20.00	88.00
75th Percentile	2.00	32.00	21.00	81.00	0.50	14.50	1857.50	136.25	35.00	127.00
90th Percentile	3.00	61.20	28.80	132.00	0.70	30.40	4225.00	319.50	56.00	151.20
95th Percentile	3.30	75.20	35.70	155.20	0.73	38.00	6475.50	387.50	88.50	157.20
99th Percentile	4.00	105.20	51.90	204.48	0.93	39.98	10000.00	473.65	146.40	181.12

The cutoffs used in Figures 6a-cwere derived from the statistics in table 2. Most of the rock samples consisted of re sampling historic trenches and give a good picture of the distribution at the Discovery/VG Zone.

The elemental correlations shown in table 3 also closely reflect the signatures found at the Discovery Zone area. As noted in previous reports on the property, the best correlation with Gold is Arsenic, at 0.82. Other than Arsenic, the only other elemental correlations with Gold of note are with Antimony (0.68) and Chromium (0.58). The best correlation with Silver is with Antimony, at 0.56 while although there is little Copper in the system, it is closely associated with Molybdenum (0.72) and Nickel (0.71). The use of these elements as pathfinders to Gold and Silver could be useful in the identification of anomalous signatures to target for future exploration programs.

Table 3 – Rock Elemental Correlations



Geochemical Orientation Pits

A small Geochemical orientation pit was dug directly above projected VG showing zone, all samples returned no gold until 1.25 m deep. This sample, AHKWD005, came back with 293 ppb Au, 1.0 ppm Ag and 489 ppm As.

Two Geochemical Orientation pits were dug in close proximity of each other, KW10-P001 8 m from the projected VG showing and KW10-P002 17 m from the projected VG showing

KW10-P001 was dug to a depth of 2.2 m with sampling at different soil horizons. Anomalous gold values were not encountered until at the bottom of the hole, with AHKWD013 returning 11 ppb Au. This sample and the two previous, taken at 1.7 m and 1.45 m respectively, also all returned anomalous As values of over 400 ppm. C horizon material was encountered at the bottom of the hole and a grab sample of this rocky material returned 0.43 g/t Au, 0.6 ppm Ag and over 1 % As and 160 ppm Sb. MMI samples were taken at measured depths every 10 cm to a depth of 1.05 m. The most anomalous Au values came from a depth of 35 and 45 cm, with the most anomalous As and corresponding Sb coming from a depth of 75 and 85 cm.

KW10-P002 was dug to a depth of 1.68 m with sampling at the different soil horizons. Permafrost was encountered at a depth of 53 cm. No anomalous gold was detected with conventional soil samples from any of the soil intervals. The bottom two samples, taken at 68 cm and 97 cm, did return anomalous values for As. MMI samples were taken at even intervals from 65 cm to 1.3 m. The most anomalous Au with coincident As and Sb came from the first sample, at 65 cm. Bedrock or C horizon material was not encountered in this hole.

Silt Sampling

A few silt samples were taken of creeks flowing on the margins of the property boundary. One sample, ETKWD002, taken from a creek just to the west of the property (~800 m from the western edge of the property. Further up the drainage from the sample, the creek come as close as 400 m to the property. This sample was highly anomalous in Zinc (419 ppm), Lead (393 ppm) and Copper (155 ppm) and Silver (4.5 ppm). This sample would warrant some follow up work to determine the source of the anomaly.

Soil Sampling

Due to the extensive overburden and very poor soil development, the overall values returned for Gold are very low, with only a handful of samples returning over 10 ppb Au. Due to this fact, the relative values must be taken more into account than the absolute values. Statistics were calculated for the elements of interest in Table 4 along with the elemental correlations in Table 5. These cutoffs were used to show the relative values for Au, As and Ag in Figures 6a-c.

The correlations found in the soil sample dataset were different than the ones found in the rocks. This is to be expected, as the majority of the soil samples were taken in the southern part of the property, away from the known mineralization zones. Therefore, to locate further mineralization that is related to the Discovery Zone, it would be more prudent to use pathfinder elements from the rock correlations rather than the soil correlations. The soil correlations can still be used in context, however, as this could represent a different mineralization style with its distinct signature. The best correlations with Gold and Silver are Mercury (0.52, 0.55) and Copper (0.44, 0.56). Copper also has strong correlations

with Nickel (0.83) and Selenium (0.72).

Table 4 – Soil Geochemical Statistics

Stats	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Ni_ppm	As_ppm	Au_ppb	Sb_ppm	Cr_ppm
Count	647.00	1332.00	1330.00	1292.00	1332.00	1332.00	1332.00	1332.00	647.00	1332.00
Min	0.11	0.50	0.50	0.50	0.01	0.50	1.00	0.50	0.04	0.50
Max	21.87	456.90	460.00	463.00	9.10	236.30	1355.00	293.00	67.14	46.50
Mean	2.06	28.22	15.41	95.43	0.38	21.44	23.55	3.58	3.09	12.50
Median	1.85	26.02	14.35	93.00	0.40	20.50	15.00	2.50	2.10	12.75
Standard Deviation	1.24	18.64	13.67	41.46	0.36	12.58	58.90	8.67	5.12	4.54
50th Percentile	1.85	26.02	14.35	93.00	0.40	20.50	15.00	2.50	2.10	12.75
75th Percentile	2.39	34.00	18.00	117.00	0.50	26.60	20.00	3.40	3.07	15.00
90th Percentile	3.06	44.00	21.56	142.90	0.60	33.00	30.00	5.00	4.38	17.50
95th Percentile	3.46	51.40	25.10	157.45	0.80	38.19	50.00	8.60	5.76	19.00
99th Percentile	5.06	77.38	34.26	200.54	1.40	53.26	235.07	13.74	23.14	24.00

Historic Zones

The Discovery Zone does seem to have an anomalous signature in As and Sb with minor anomalous values for Au. A sample 35 m away to the east returned 364 ppm As while one 40m to north returned 828 ppm As.

The New Zone shows a clear highly anomalous signature for As, and a smaller anomaly for Sb but does not have coincident signature for Au. The best sample from this area returned 13 ppb Au (KW47+00N 03+25W)

The North Zone has minor anomalous As, a few anomalous Ag values but no coincident gold values.

These results coincide closely with what was previously discovered and concluded by historic work on these zones.

New Zones

There are a few new anomalous zones discovered from the 2010 exploration program. Two zones of anomalous Au are distinguished from the ICP-MS geochemical results.

Anomaly A is found in the eastern portion of KW44+00N. This is a 100 m linear anomaly, with 2 anomalous samples on the line directly to the south, KW43+00N. This anomaly also has coincident As anomaly, consisting of an area 250 m long and 25 m wide, encompassing samples across two soil lines.

Anomaly B is located on line KW43+00N from 02+75E to 03+75E. This linear anomaly, consisting of 125 m, does not have any coincident As or Ag values.

In terms of pathfinder elements, there are two anomalous zones for Chromium located from the ICP-MS geochemical results. One linear 75 m linear anomaly from KW40+00N 07+50E to 08+00E consists of 3 highly anomalous values for Cr. A less distinguished anomaly is located from KW43+00N 01+00W to 02+00W.

Table 5 – Soil Elemental Correlations



MMI Results

As a phase one, to test out the MMI response in the different exploration pits and over the known mineralized areas, 342 MMI samples were chosen to be tested first before the rest of the samples were sent in for analysis. After calculating the response ratios of the samples and looking at the relative anomalous signatures in the dataset, it appears that the Discovery Showing does have an MMI signature. The sample closest to the Discovery Showing, at 10 m away, came back with the 2nd highest Au value, The sample directly to the north of this one, at a distance of 40 m, did not return an anomalous Au value but did return the highest As, Mo, Sb and Tl value for the dataset.

The rest of the dataset was subsequently sent in for analysis. Statistics were calculated to show the Response Ratios, the measurement used to interpret MMI data. Response Ratios are calculated by first getting the mean value for the lower quartile of the samples in the dataset and then dividing the values of each sample by this background mean value. The Response Ratio does not then have a unit of measurement. Response Ratios for Au, As, and Ag are shown in Figures 7a-c.

The MMI results show a clear Au-As anomaly in the same location as Anomaly A from the ICP-MS data. This fact greatly enhances the credibility anomaly, showing that is strong enough to show up in both datasets. Anomaly B is not coincident with the MMI results.

There are two single sample spot anomalies located with the MMI Au. One is in the New Zone (KW47+00N 03+25W) and the other in the SE part of the grid (KW37+00N 09+75E)

Exploration Pits

A total of 5 Exploration Pits were dug at an historic spot soil anomaly that returned 85 ppb Au and the surrounding region around this anomaly, located ~420 m to the SE of the Discovery Showing. The exact location of the historic sample on the ground was never located. Soil sampling over the area didn't repeat the historic result in Au or any anomalous values in other elements.

KW10-P003

This pit was dug down to 1.4 m deep and was halted due to the encounter of a very large boulder. No anomalous results were returned from the samples from this hole.

KW10-P004 to KW10-P007

These 4 pits were dug within a 10 m radius to locate the intrusive/shale contact and determine its mineralization potential. The contact was narrowed down with good precision but did not produce any anomalous values for gold.

KW10-P004

This pit was the most western pit and dug to 0.5 m, where it encountered bedrock consisting of green volcaniclastic rock with phenocrysts of quartz and clay altered feldspar.

KW10-P005

This pit was the most easterly pit, dug down to bedrock at a depth of 1 m. Bedrock consisted of highly fractured black shale. There was an anomalous Copper returned from a conventional soil sample at 0.55 m, returning 457 ppm.

KW10-P006
This pit, located just 10 m to the west of P005, was dug down to 1.2 m without encountering bedrock. The C horizon was encountered, which consisted of hard clay and mud horizon, which prevented any further digging. No anomalous values came back from the sampling of this pit.

KW10-P007
This pit was dug, 8 m to the SW of P006 to a depth of 1 m, where bedrock was encountered. The contact between the intrusive unit and the shale unit. The rocks were highly fractured and contained a 0.4 m contact zone between the two units. Conventional soil samples from this hole returned anomalous results in Sb and As. Chip samples across the contact zone as well as the entire exposed bedrock did not return any anomalous values.

Geophysical Survey

Preliminary interpretation of the airborne geophysics resulted in the identification of several prospective exploration targets based on coincident mag and EM signatures.. An anomaly over the Discovery/VG showing zone indicates these geophysical targets may be related to gold mineralization. One promising target was defined by a mag trough coincident with an EM high in the southwestern corner of the property. Another one of these is located in the northeastern corner of the property. The full report by Aeroquest Geophysics can be found in Appendix VII.

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 4 - Property Geology and Station Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 10,000 25/01/2011

353500 355000

6945000 6943500 6942000

Inset A

353950 354025 6943625 6943550

BWKWG012 BWKWG011 BWKWG006 AHKWG009 BWKWG009 BWKWG010 BWKWG007 BWKWG008 BWKWG002 BWKWG001

1:1,500

AHKWG011

North Zone

New Zone

VG Showing

BWKWG005 BWKWG004

AHKWG004 AHKWG005 AHKWG006 AHKWG007 AHKWG008 AHKWG010

AHKWG003

1100 1200

N

0 250 500 750

Meters

Legend

- 2010 Geologic Stations
- Showing
- Contact - Approximate
- Contact - Observed
- Fault
- River
- Contour
- Copper Canyon Tenure - Kiwi

Geology

Unknown

- Vein — *white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment*

mid-Cretaceous

- 2 — *massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)*
- 2-3 — *volcanics grading to quartz feldspar porphyry (QFP)*
- 3 — *feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2*

Ordovician

- 1 — *black, commonly graphitic shales with minor black grit*

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 5a - 2010 Rock Sample Locations

Projection - NAD 83 UTM Zone 9N

Scale - 1: 7,500 25/01/2011

354000 355000

6944000 6943000 6942000

North Zone

New Zone

VG Showing

AHKWR012

BWKWR011

AHKWR003 AHKWR005 AHKWR004 AHKWR006 AHKWR007 AHKWR011

LJKWR002

AHKWR002

1:1,000

BWKWR012-21 AHKWR008-10 BWKWR002 AHKWR001 BWKWR003-10 BWKWR001 LJKWR001

1100

1 2 2-3 3

N

0 250 500 Meters

Legend

- 2010 Rock Sample
- Showing
- Contact - Approximate
- Contact - Observed
- Fault
- River
- Contour
- Copper Canyon Tenure - Kiwi

Geology

Unknown

Vein — white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment

mid-Cretaceous

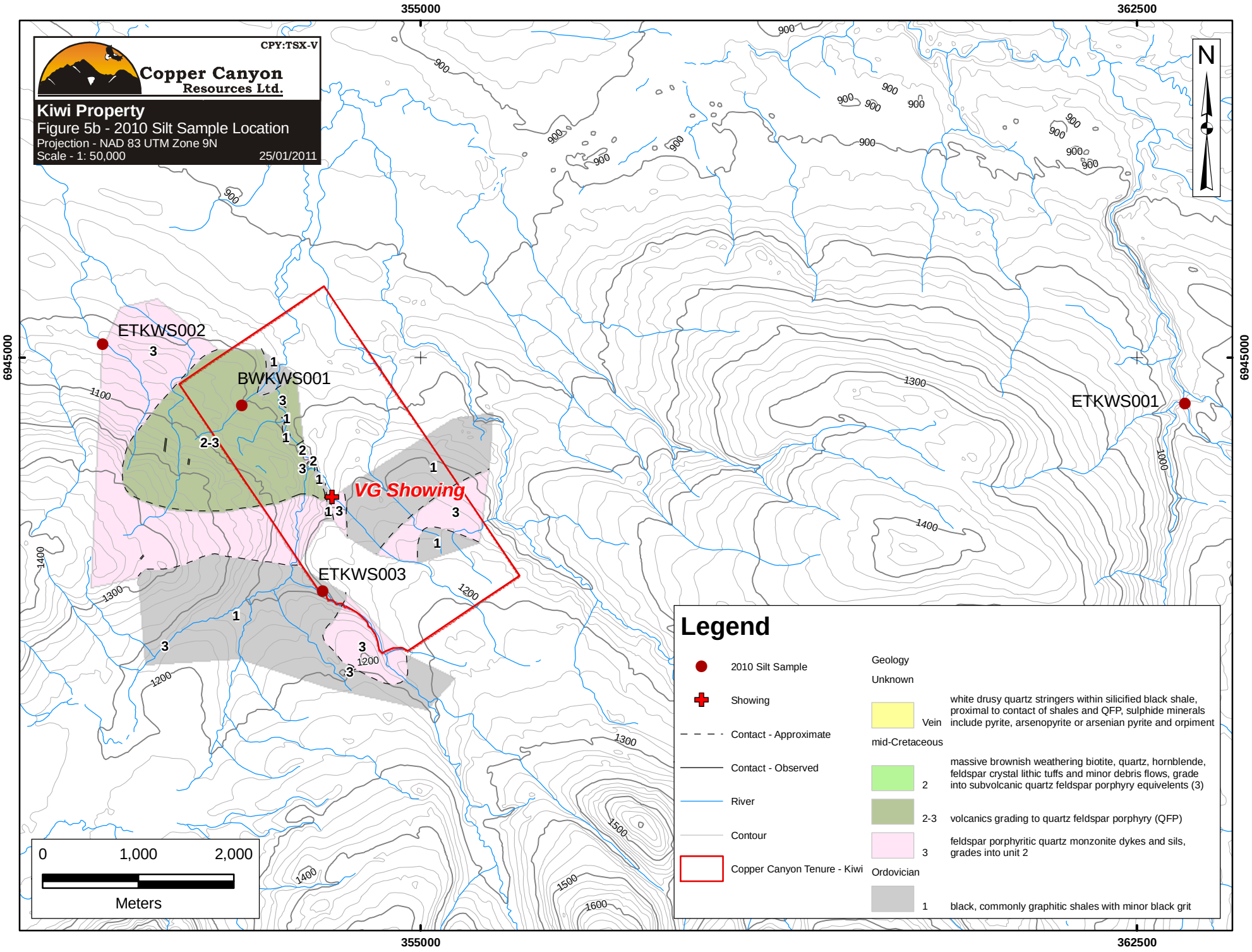
2 — massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)

2-3 — volcanics grading to quartz feldspar porphyry (QFP)

3 — feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2

Ordovician

1 — black, commonly graphitic shales with minor black grit


CPY:TSX-V
Copper Canyon Resources Ltd.
Kiwi Property
Figure 5b - 2010 Silt Sample Location
Projection - NAD 83 UTM Zone 9N
Scale - 1: 50,000
25/01/2011
355000
362500
6945000
N
ETKWS002
BWKWS001
ETKWS001
ETKWS003
VG Showing
0
1,000
2,000
Meters
Legend
2010 Silt Sample
Showing
Contact - Approximate
Contact - Observed
River
Contour
Copper Canyon Tenure - Kiwi
Geology
Unknown
Vein
white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment
mid-Cretaceous
2
massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)
2-3
volcanics grading to quartz feldspar porphyry (QFP)
3
feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2
Ordovician
1
black, commonly graphitic shales with minor black grit

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 5c - 2010 Soil Sample Location

Projection - NAD 83 UTM Zone 9N

Scale - 1: 15,000 25/01/2011

352500 355000 357500

6945000 6942500

KW56+00N 06+00W — KW56+00N 00+00

KW55+00N 07+25W — KW55+00N 00+00

KW51+50N 02+75E — KW51+50N 05+25E

KW50+50N 03+00E — KW50+50N 06+00E

KW48+00N 03+75E — KW48+00N 08+25E

KW47+50N 05+25W — KW47+50N 08+50E

KW47+00N 04+75W — KW47+00N 08+50E

KW46+50N 04+50W — KW46+50N 05+00E

KW45+00N 03+25E — KW45+00N 05+00E

KW44+00N 02+50W

KW43+50N 03+75E — KW44+00N 14+00E

KW43+00N 04+00W — KW43+00N 12+00E

KW42+00N 03+50W — KW42+00N 12+00E

KW41+00N 02+50W — KW41+00N 11+75E

KW40+00N 02+00W — KW40+00N 12+00E

KW39+00N 01+25W — KW39+00N 12+00E

KW38+00N 00+25W — KW38+00N 12+00E

KW38+00N 00+00 — KW37+00N 13+00E

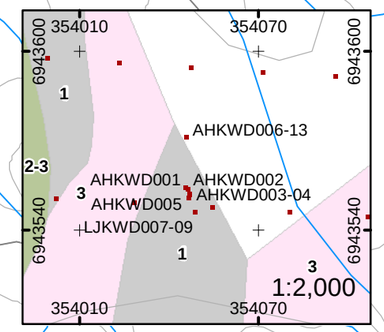
KW37+00N 00+50E — KW36+00N 14+50E

KW36+00N 03+00E — KW35+00N 14+00E

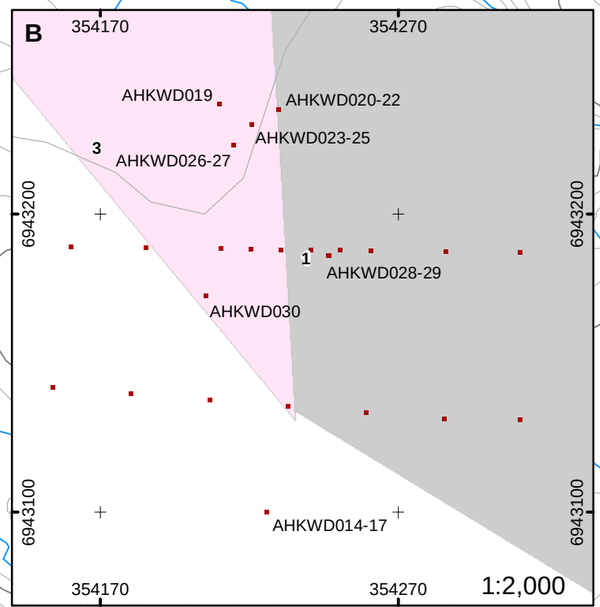
KW35+00N 04+50E

1200 1300 1100

A



B



N

0 500 1,000 1,500

Meters

Legend

- 2010 Soil Sample
- Contact - Approximate
- Contact - Observed
- River
- Contour
- Copper Canyon Tenure - Kiwi

Geology

Unknown

- Vein — white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment

mid-Cretaceous

- 2 — massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)
- 2-3 — volcanics grading to quartz feldspar porphyry (QFP)
- 3 — feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2

Ordovician

- 1 — black, commonly graphitic shales with minor black grit

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

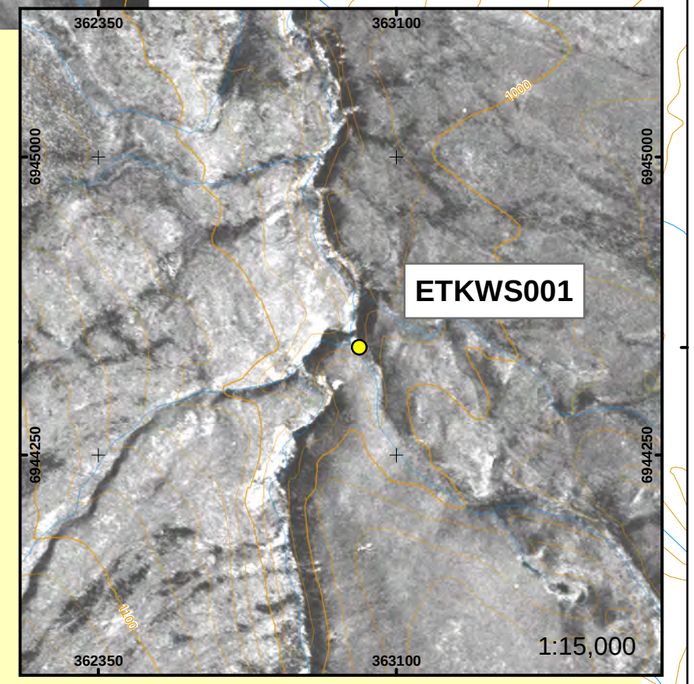
Figure 6a - 2010 Sample Geochemistry - Au

Projection - NAD 83 UTM Zone 9N

Scale - 1: 15,000 25/01/2011

352000 353000 354000 355000 356000 357000

6945000 6944000 6943000



Legend - 2010 Au Sample Results

Rock Samples Au (g/t)	Soil Samples Au (ppb)	Silt Samples Au (ppb)
0.0	0.0 - 2.4	1.2
0.1	2.5 - 3.4	1.3 - 1.4
0.2 - 0.3	3.5 - 5.0	1.5 - 3.2
0.4	5.1 - 8.6	3.3 - 3.6
0.5 - 100.0	8.7 - 13.7	
	13.8 - 300.0	
	No Sample	

River

Contour

Kiwi Tenure

N

0 500 1,000

Meters

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 6b - 2010 Sample Geochemistry - As

Projection - NAD 83 UTM Zone 9N

Scale - 1: 15,000 25/01/2011

352000 353000 354000 355000 356000 357000

6945000 6944000 6943000

ETKWS001

362350 363100

6945000 6944250

1:15,000

N

0 500 1,000

Meters

Legend - 2010 As Sample Results

Rock Samples As (ppm)	Soil Samples As (ppm)	Silt Samples As (ppm)
5.0 - 600.0	0.0 - 15.0	14.5
600.1 - 1857.5	15.1 - 20.0	14.6 - 21.0
1857.6 - 4225.0	20.1 - 30.0	21.1 - 31.0
4225.1 - 6475.5	30.1 - 50.0	31.1 - 40.3
6475.6 - 10000.0	50.1 - 235.0	
	235.1 - 830.0	
	No Sample	

River

Contour

Kiwi Tenure

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

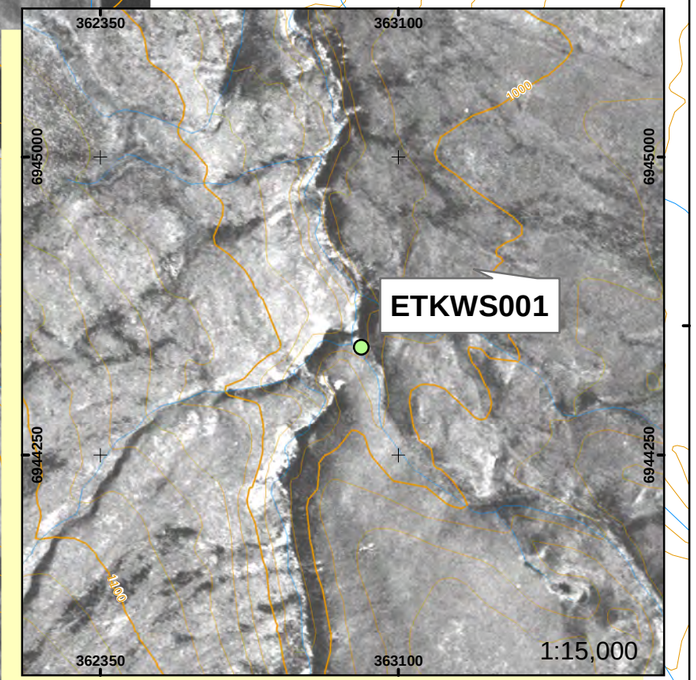
Figure 6c - 2010 Sample Geochemistry - Ag

Projection - NAD 83 UTM Zone 9N

Scale - 1: 15,000 25/01/2011

352000 353000 354000 355000 356000 357000

6945000 6944000 6943000



Legend - 2010 Ag Sample Results

Rock Samples Ag (ppm)	Silt Samples Ag (ppm)	Soil Samples Ag (ppm)
0.3	0.28	0.0 - 0.4
0.4	0.29 - 0.44	0.5
0.5 - 0.6	0.45 - 4.62	0.6
0.7		0.7 - 0.8
0.8 - 0.9		0.9 - 1.4
1.0		1.5 - 10.0
		No Sample

River

Contour

Kiwi Tenure

N

0 500 1,000

Meters

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 7a - 2010 MMI Au Response Ratio

Projection - NAD 83 UTM Zone 9N

Scale - 1: 10,000 25/01/2011

353500 355000

6945000 6943500 6942000

N

0 250 500

Meters

Legend - 2010 MMI Response Ratio - Au

Au Response Ratio

- 1 - 4
- 5 - 6
- 7 - 8
- 9 - 18
- 19 - 100
- Lost Sample
- No Sample

Geology

Unknown

Vein — white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment

mid-Cretaceous

2 — massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)

2-3 — volcanics grading to quartz feldspar porphyry (QFP)

3 — feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2

Ordovician

1 — black, commonly graphitic shales with minor black grit

- Contact - Approximate
- Contact - Observed
- Fault
- River
- Contour
- Kiwi Tenure

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 7b - 2010 MMI As Response Ratio

Projection - NAD 83 UTM Zone 9N

Scale - 1: 10,000

25/01/2011

353500 355000

6945000 6943500 6942000

N

1000 1100 1200

Legend - 2010 MMI Response Ratio - As

As Response Ratio	Geology		
1 - 12	Unknown		
13 - 20	Vein		white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment
21 - 33	mid-Cretaceous		
34 - 100	2		massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)
101 - 10000	2-3		volcanics grading to quartz feldspar porphyry (QFP)
Lost Sample	3		feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2
No Sample	Ordovician		
	1		black, commonly graphitic shales with minor black grit

Contact - Approximate

Contact - Observed

Fault

River

Contour

Kiwi Tenure

0 250 500

Meters

CPY:TSX-V

Copper Canyon Resources Ltd.

Kiwi Property

Figure 7c - 2010 MMI Ag Response Ratio

Projection - NAD 83 UTM Zone 9N

Scale - 1: 10,000

25/01/2011

353500

355000

6945000

6943500

6942000

N

100

1100

1200

3

2-3

2

1

0 250 500

Meters

Legend - 2010 MMI Response Ratio - Ag

Ag Response Ratio

- 1 - 5
- 6 - 8
- 9 - 10
- 11 - 14
- 15 - 100
- Lost Sample
- No Sample

Geology

Unknown

Vein — white drusy quartz stringers within silicified black shale, proximal to contact of shales and QFP, sulphide minerals include pyrite, arsenopyrite or arsenian pyrite and orpiment

mid-Cretaceous

2 — massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivelents (3)

2-3 — volcanics grading to quartz feldspar porphyry (QFP)

3 — feldspar porphyritic quartz monzonite dykes and sils, grades into unit 2

Ordovician

1 — black, commonly graphitic shales with minor black grit

- Contact - Approximate
- Contact - Observed
- Fault
- River
- Contour
- Kiwi Tenure

CONCLUSIONS

The Kiwi property has the potential to host significant epithermal style gold mineralization as shown by the historical high grade grab sample. The property is however very hindered by the terrain, lack of bedrock exposure and poor soil development. Much of the property is underlain by swamp or water saturated ground which makes it impossible for geochemical surveys and adversely affects geophysical data. The overburden is very deep on the property and where the B horizon exists, it is usually very thin. The fact that the high grade sample has never been repeated and trenching to date hasn't revealed any significant results is concerning. The Discovery Showing does have a geochemical signature from conventional and MMI sampling. It is a weak signature nonetheless, but is encouraging for further exploration potential.

The 2010 exploration program consisted of ground geochemical soil sampling, rock chip sampling of selected historic trenches, geochemical orientation surveys, exploration pits and an airborne geophysical survey. Consultant Jean Pautler conducted an orientation of the Kiwi property with Aaron Higgs and Bronwen Wallace prior to the July ground program. An exploration camp was set up on the property for the duration of the program from July 15-29th. Access to the property was via helicopter chartered out of Ross River.

The rock sampling and subsequent screen metallic analysis confirmed the historic results from the trenches around the Discovery zone. The highest results returned 0.5 g/t Au over 2 m (T-11).

Geochemical orientation pits were dug directly over the Discovery zone. The soil profile here is highly variable but consists of very poor development of any B horizon and thick till cover of unknown depth. An ash layer also exists over the most of the property. Soil geochemical values from the property have the potential to be highly diluted due to this poor soil development and thick till cover. Surficial geology and glacial movement should be closely taken into consideration when evaluating soil geochemical results.

Exploration Pits were dug to follow up an anomalous soil sample from the 1998 exploration program which returned 85 ppb Au. None of the pits intersected anomalous Au values but they were able to constrain the contact between the intrusive and shale units.

The Geochemical Soil and MMI surveys identified one highly prospective Au-As anomaly in the eastern extent of line KW44+00N. This 100 m by 25 m anomaly sits right on the contact zone between the intrusive and shale units and could represent buried mineralization. Further investigation is warranted at this locality.

Preliminary interpretation of the airborne geophysical survey has identified several prospective exploration targets based on coincident mag and EM signatures.. An anomaly over the Discovery/VG showing zone indicates these geophysical targets may be related to gold mineralization. One promising target was defined by a mag trough coincident with an EM high in the southwestern corner of the property. Another one of these is located in the northeastern corner of the property.

The Kiwi property has the potential to host both high grade epithermal and low grade bulk tonnage gold mineralization. Exploration on the property is severely hampered by the lack of exposed outcrop and very thick till cover and overall poor soil development. Although the 2010 exploration program was not overly successful in terms of results, some new targets were defined by the geophysical and

geochemical surveys and the overall geoscientific understanding on the property was significantly enhanced. Therefore, further work is recommended on the property.

RECOMMENDATIONS

Recommendation on the Kiwi property are as follows:

- In depth analysis of conventional soil and MMI results, for the purpose of target definition and geological mapping using geochemical signatures for different rock types
- Soil Geochemical and MMI sampling over the remainder of the property to identify other anomalous areas
- Exploration pits/ trenching to test Anomaly A and a few other anomalies located from the 2010 work
- Ground geophysical surveys to better delineate prospective exploration targets.

References

Gordey, S.P. and Irwin S. E.B. (1987): Geology of the Sheldon Lake and Tay River map areas, Y.T.; Geological Survey of Canada Map 19-1987, scale 1:250,000.

Pautler, J. (1997): 1997 geological, geochemical and trenching report on the Kiwi property, Y.T.; In house report, 1997.

Paulter, J. (1998): AR#093949; 1998 Geological and Geochemical Assessment Report on the Kiwi Property, 1998.

Roddick, J.A. and Green, J.H. (1961): Sheldon Lake map area, Y.T. ; Geological Survey of Canada, Map 12-1961.

Yukon Minfile (1996): Yukon Geology Program, IMS Ltd., NTS 105 J.

2010 ASSESSMENT REPORT

ON THE

Kiwi Project

Whitehorse Mining District
Mapsheet 105P05

Center of Work

Latitude 62º36'N, Longitude 131º51'W

Volume II - Appendices

Prepared for:

Copper Canyon Resources Ltd.

Suite 200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

By

Aaron Higgs, B.Sc. (Geol)

TerraLogic Exploration Services

Suite 200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

March 8, 2011

Appnedix I – Statement of Qualifications

Aaron A. Higgs, B. Sc.

I, Aaron Ashwell Higgs, B.Sc. do hereby certify that:

I am currently employed as a Geologist by TerraLogic Exploration Inc., with business location of Suite 200, 44-12th Ave S., Cranbrook, BC, V1C 2R7 (Telephone: 778-520-2000, email: aah@terralogicexploration.com

I graduated with a B.Sc. in Geology from the University of British Columbia in the year 2005.

I have worked as a Geologist in Western Canada for 6 years.

I am responsible for the preparation of this Technical Report entitled "2010 Assessment Report on the Kiwi Property", prepared for Copper Canyon Resources Ltd.

Dated at Cranbrook, British Columbia, Canada this 8th day of March, 2011.

Respectfully submitted

Aaron A. Higgs, B.Sc. (Geol)

March 8, 2011

Appendix II – Statement of Expenditures

2010 Kiwi Expenditures					
Exploration Work type	**Comment**	**Days**			**Totals**
Personnel (Name) / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal**	
Aaron Higgs, Senior Geologist	July 14-29, 2010	16.0	575	$9,200.00	
Bronwen Wallace, Geologist	July 14-29, 2010	16.0	525	$8,400.00	
Ben Kary, GIS and Field Technician	July 14-29, 2010	16.0	425	$6,800.00	
Lewis Jones, Junior Geologist	July 14-29, 2010	16.0	425	$6,800.00	
Eric Termuende, Technician	July 14-29, 2010	16.0	425	$6,800.00	
				$38,000.00	**$38,000.00**
Office Studies	**List Personnel**				
Project Planning	Jarrod Brown, Chief Geologist	0.08	600	$48.00	
Analytical Analysis	Chris Gallagher, Chief Geotechnologist	1.74	700	$1,218.00	
Project Preparation/Data Management/Historic Data Compilation	Glen Hendrickson, Senior GIS	12.57	525	$6,599.25	
Project Planning/Management/Reporting (Assessment, Analytical Summary, Exploration Summary, Field Updates)	Aaron Higgs, Senior Geologist	15.15	575	$8,711.25	
Travel to/from project	Aaron Higgs, Senior Geologist	3.65	575	$2,098.75	
Travel to/from project	Lewis Jones, Junior Geologist	3.05	425	$1,296.25	
Sample Shipping	Rob Jordon, Field house manager	0.37	330	$122.10	
Travel to project	Ben Kary, GIS and Field Technician	0.15	425	$63.75	
Reporting - Figures	Fiona Katay, Geologist	5.20	525	$2,730.00	
Reporting - Appendices	Jason Kolcun, GIS Technician	1.14	385	$438.90	
Project Preparation	Nathan Taylor, Technician	0.54	425	$229.50	
Equipment Management and Data Management	Brad Robison, GIS and Equipment Manager	5.93	525	$3,113.25	
Travel to/from project	Eric Termuende, Technician	3.32	425	$1,411.00	
Sample Shipping	Andreas Unterberger, Technician	0.25	330	$82.50	
Permitting	Jim Ryley, Permitting	0.08	600	$48.00	
Travel to/from project, Project Research and Preparation	Bronwen Wallace, Geologist	6.78	525	$3,559.50	
				$31,770.00	**$31,770.00**
Contractors and Subcontractors					
Geological	JP Exploration Services			$911.60	
Geophysical	Aurora Geosciences Airborne Planning			$307.50	
				$1,219.10	**$1,219.10**
Airborne Exploration Surveys	**Line Kilometres / Enter total invoiced amount**				
Aeromagnetics and Electromagnetics	130 Line km			$26,795.22	
				$26,795.22	**$26,795.22**
Remote Sensing	**Area in Hectares / Enter total invoiced amount or list personnel**				
Aerial photography				$119.96	
				$119.96	**$119.96**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Soil				$36,948.20	
Rock				$2,196.60	
				$39,144.80	**$39,144.80**
Transportation		**No.**	**Rate**	**Subtotal**	
Truck wi insurance - per week				2,036.00	
Mileage per km				780.27	
Repair and Maintenance				$148.32	
fuel				$764.79	
Helicopter (hours)				$10,034.80	
Fuel (litres/hour)				$2,518.83	
Other				$24.63	
				$16,307.64	**$16,307.64**
Accommodation & Food	**Rates per day**				
Hotel				$1,403.61	
Camp				$2,229.04	
Meals				$1,074.93	
				$4,707.58	**$4,707.58**

Geological and Geochemical					
Map Plotting				$78.00	
Geological Supplies				$153.13	
Sampling Consumables	sample bags, tags, flagging, etc…			$594.97	
				$826.10	**$826.10**
Equipment Rentals			per day		
Satellite Phone Airtime				$444.42	
Satellite Internet (BGAN)				$236.98	
Equipment Rental General				$799.02	
Field kits - per day				3,480.75	
Trailer Enclosed - per week - Unit #03				1,749.00	
Satelite phone wi charger - per week				446.70	
Computer wi printer - per week				297.80	
Chainsaw - per week				135.90	
Radio wi charger - per week				614.50	
Field Camp - per man - per day				3,978.00	
Wall tent - per week				437.25	
Rock Saw - per week				288.35	
Shot Gun - per week				74.45	
Generator 0-2kw - per week				802.60	
Digital Camera - per week				96.90	
XRF Niton - per week				5,195.15	
Water Pump per week				503.60	
Fieldhouse Accomodations - per day				184.80	
				$19,766.17	**$19,766.17**
Freight					
				$420.50	
				$420.50	**$420.50**
TerraLogic Exploration Handling and Adminstration Fees					
				$13,230.76	**$13,230.76**
TOTAL Expenditures					**$192,307.83**

Appendix III – Geochemical Protocol

3.1 – Field Sampling Techniques
3.2 Analytical Procedures

3.1 – Field Sampling Techniques

Appendix 3.1 Field Sampling Techniques

Rock samples were collected in the field by placing 1-3 kg of material in heavy grade plastic sample bags with the sample number written on both sides in permanent marker. Each sample bag was then sealed with a plastic cable tie and samples were transported back to camp at the end of each day. A representative piece of each sample was often collected and returned to camp for further examination in the event of an interesting or exceptional analytical result.

Conventional soil samples were collected from the B-horizon wherever possible. Silt samples were collected from active creeks whenever possible. Both soil and silt samples were placed and sealed into brown paper kraft bags. Samples were dried in the field daily, weather permitting. Relevant details pertaining to the soil and silt samples such as location parameters, depth, horizon, quality, were recorded by the sampler in the field. MMI samples were taken from a depth of 15-25 cm using a plastic trowel and placed into plastic Ziploc bags to avoid any contamination.

Sample sites were marked in the field with orange arctic-grade flagging and an aluminum tag, both having been marked with the appropriate sample number. Sample locations were determined by hand-held GPS set to report locations in UTM coordinates using the North American datum established in 1983 (NAD 83).

All surface geochemical samples were collected by company geologists or sampling technician employees trained by TerraLogic Exploration staff geologists. At the end of each day samples were organized, dried and catalogued and then placed in poly woven “rice” bags. The samples were maintained as a single group before being taken and dropped off at the Alex Stewart Group (EcoTech) Prep lab in Whitehorse. MMI samples were sent to the SGS laboratory in Toronto, Ont.

3.2 – Analytical Procedures

Eco Tech Laboratory Limited
10041 Dallas Drive
Kamloops, British Columbia
V2C 6T4
Tel + 250 573 5700
Tel + 1 877 573 5755
Fax + 250 573 4557
www.stewartgroupglobal.com

StewartGroup
Geochemical & Assay

Analytical Procedure Assessment Report

Eco Tech Laboratory Ltd. is registered for ISO 9001:2008 by KIWA International (TGA-ZM-13-96-00) for the "provision of assay, geochemical and environmental analytical services". Eco Tech also Participates in the annual Canadian Certified Reference Materials Project (CCRMP) and Geostats Pty bi-annual round robin testing programs. The laboratory operates an extensive quality control/quality assurance program, which covers all stages of the analytical process from sample preparation through to sample digestion and instrumental finish and reporting.

SAMPLE PREPARATION (codes vary)

Samples (minimum sample size 250g) are catalogued and logged into the sample-tracking database. During the logging in process, samples are checked for spillage and general sample integrity. It is verified that samples match the sample shipment requisition provided by the clients. The samples are transferred into a drying oven and dried.
Soils are prepared by sieving through an 80-mesh screen to obtain a minus 80-mesh fraction. Samples unable to produce adequate minus 80-mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh.
Rock samples are crushed on a Terminator jaw crusher to -10 mesh ensuring that 70% passes through a Tyler 10 mesh screen.
Every 35 samples a re-split is taken using a riffle splitter to be tested to ensure the homogeneity of the crushed material.
A 250 gram sub sample of the crushed material is pulverized on a ring mill pulverizer ensuring that 95% passes through a -150 mesh screen. The sub sample is rolled, homogenized and bagged in a pre-numbered bag.
A barren gravel blank is prepared before each job in the sample prep to be analyzed for trace contamination along with the processed samples.

GOLD AQUA REGIA DIGEST: ICP-MS FINISH (Au1-10,25)

Samples are digested in an aqua regia solution for 45 minutes. They are bulked with de-ionized water, and an aliquot of this is taken for analysis a Thermo Scientific X series II ICP-MS unit. All synthetic standards are purchased and verified by 3 independent analysts and are used for instrument calibration before each and every ICP-MS run.
A 2-3 point standardization curve is used to check the linearity (high and low). Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift or instrumentation issues occurred during the analysis of the sample(s). Repeat samples (every 10 or less) and re-splits (every 35 or less) are also run to ensure proper weighing and digestion occurred. Detection limits for aqua regia digest gold values is 1-1000ppb.
Results are collated by computer and are printed along with accompanying quality control data (re-splits and standards). Results are emailed, faxed, or mailed to the clients.

**** This method is recommended for soil and silt samples only.

GOLD FIRE ASSAY: GEOCHEM (Au2-15,30,50)

A 15/30/50 g sample size is fire assayed along with certified reference materials using appropriate fluxes. The flux used is pre-mixed, purchased from Anachemia which contains Cookson Granular Litharge. (Silver and Gold Free). The ratios are 66% Litharge, 24% Sodium Carbonate, 2.7% Borax, 7.3% Silica. (The charges may be adjusted based on the sample). Flux weight per fusion is 150g. Purified Silver Nitrate or inquarts for the necessary silver addition is used for inquartation. The resultant dore bead is parted and then digested with nitric acid followed by hydrochloric acid solutions and then analyzed on an atomic absorption instrument (Perkin Elmer/Thermo S-Series AA instrument).
Over-range geochem values (Detection limit 5-1000ppb) for rocks are re-analyzed using gold assay methods (see below).
Appropriate certified reference material and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet for quality control assessment.
Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are emailed, faxed or mailed to the clients.

ICP-MS AQUA REGIA DIGESTION (AR-UT)

Samples are digested in an aqua regia solution for 45 minutes. They are bulked with de-ionized water, and an aliquot of this is taken for analysis a Thermo Scientific X series II ICP-MS unit. All synthetic standards are purchased and verified by 3 independent analysts and are used for instrument calibration before each and every ICP-MS run.
A 2-3 point standardization curve is used to check the linearity (high and low). Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift or instrumentation issues occurred during the analysis of the sample(s). Repeat samples (every 10 or less) and re-splits (every 35 or less) are also run to ensure proper weighing and digestion occurred.
Results are collated by computer and are printed along with accompanying quality control data (re-splits and standards). Results are emailed faxed and or mailed to the client.

****Gold (DL: 5-1000ppb) can be added to this package, for method see Au1-10,25.

Detection Limits:

Element	Unit	LDL	Element	Unit	LDL
Ag	ppm	0.01	**Nb** *	ppm	0.05
Al *	%	0.01	**Ni**	ppm	0.2
As	ppm	0.1	**P**	%	0.001
Ba *	ppm	0.5	**Pb**	ppm	0.2
Be *	ppm	0.1	**Rb** *	ppm	0.1
Bi	ppm	0.02	**S** *	%	0.01
Ca *	%	0.01	**Sb** *	ppm	0.05
Cd	ppm	0.01	**Sc** *	ppm	0.1
Ce *	ppm	0.1	**Se**	ppm	0.2
Co	ppm	0.1	**Sn** *	ppm	0.2
Cr *	ppm	2	**Sr** *	ppm	2
Cu	ppm	2	**Ta** *	ppm	0.01
Fe *	%	0.01	**Te** *	ppm	0.02
Ga *	ppm	0.1	**Th** *	ppm	0.1
Ge	ppm	0.1	**Ti** *	ppm	10
Hg	ppm	0.005	**Tl** *	ppm	0.02

K *	%	0.01	**U**	ppm	0.1
La	ppm	0.5	**V**	ppm	2
Li *	ppm	2	**W ***	ppm	0.1
Mg *	%	0.01	**Y ***	ppm	0.05
Mn	ppm	5	**Zn**	ppm	2
Mo	ppm	0.05	**Zr ***	ppm	1
Na *	%	0.01			

***Elements marked with an asterick * may not be totally digested**

METALLIC GOLD ASSAY (Au2-250)

Samples are catalogued and dried. Rock samples are crushed to minus 70% passing through 10 mesh, then split to achieve a 250g, 500g or 1000g sub sample. The sample is pulverized to 95% passing through -150 mesh. The entire sample is weighed, then rolled and homogenized and screened through a 150 mesh.
The resulting –150 mesh fraction is homogenized and two sub-sample portions are fire assayed. All of the resulting +150 mesh material is fire assayed. The resultant fire assay beads are digested with a nitric and hydrochloric solution, and then analyzed on a Perkin Elmer atomic absorption machine using air-acetylene flame to 0.03g/t detection limit. If the gold values are over an agreed level a gravimetric finish would be performed. (Same process but only nitric acid is used to dissolve the silver away from the gold. The resulting gold bead is weighed on a Mettler Toledo MX5 micro-balance.)

The results for the two -150 values and single +150 mesh value are then calculated based on the original sample weight providing a net gold value. The entire set of samples is redone if the quality control standard is outside 2 standard deviations or if the blank is greater than .015 g/t.

Results are collated by computer and are printed along with accompanying quality control data (re-splits and standards). Results are printed on a laser printer and are faxed and or mailed to the client.

ICP-AES AQUA REGIS DIGESTION (AR-ES)

A 0.5 gram sample is digested with a 3:1:2 (HCl: $HN0_3$: H_20) solution in a water bath at 95°C. The sample is then diluted to 10ml with water. All solutions used during the digestion process contain beryllium, which acts as an internal standard for the ICP run. The sample is analyzed on a Thermo IRIS Intrepid II XSP ICP unit. Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift occurred or instrumentation issues occurred during the run procedure. Repeat samples (every batch of 10 or less) and re-splits (every batch of 35 or less) are also run to ensure proper weighing and digestion occurred.
Results are collated by computer and are printed along with accompanying quality control data (repeats, re-splits, and standards). Any of the base metal elements (Ag, Cu, Pb, Zn) that are over limit (>1.0%) are immediately run as an ore grade assay (see protocol below).
Results are emailed, faxed or mailed to the clients.

Detection Limits:

Element	Unit	LDL	Element	Unit	LDL
Ag	ppm	0.5	**Mn**	ppm	5
Al *	%	0.01	**Mo**	ppm	1
As	ppm	5	**Na ***	%	0.01
Ba *	ppm	2	**Ni**	ppm	1
Be *	ppm	1	**P**	%	0.001
Bi	ppm	5	**Pb**	ppm	3
Ca *	%	0.01	**S ***	%	0.01
Cd	ppm	1	**Sb ***	ppm	5
Co	ppm	1	**Sn ***	ppm	5
Cr *	ppm	2	**Sr ***	ppm	2
Cu	ppm	2	**Ti ***	ppm	10
Fe *	%	0.01	**U**	ppm	5
Hg	ppm	5	**V**	ppm	2
K *	%	0.01	**W ***	ppm	5
La *	ppm	2	**Y ***	ppm	1
Li *	ppm	2	**Zn**	ppm	2
Mg *	%	0.01			

***Elements marked with an asterisk* may not be totally digested**

BASE METAL ASSAY (BM2/A)

Samples and standards undergo an oxidizing digestion in 200 ml phosphoric flasks with final solution in aqua regia solution. Appropriate standards and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet.
The digested solutions are made to volume with RO water and allowed to settle. An aliquot of the sample is analyzed on a Perkin Elmer/Thermo S-Series AA instrument. (Detection limit 0.01 % AA)
Instrument calibration is done by verified synthetic standards, which have undergone the same digestion procedure as the samples. Standards used narrowly bracket the absorbance value of the sample for maximum precision.
Results are collated and are printed along with accompanying quality control data (repeats, re-splits, and standards). Results are emailed, faxed or mailed to the clients.

MMI Analytical Techniques (SGS Laboratories)

Target elements are extracted using weak solutions of organic and inorganic compounds rather than conventional aggressive acid or cyanidebased digests. MMI® solutions contain strong ligands, which detach and hold in solution the metal ions that were loosely bound to soil particles by weak atomic forces. The extraction does not dissolve the bound forms of the metal ions. Thus, the metal ions in the MMI solutions are the chemically active or 'mobile' component of the sample. Because these mobile, loosely bound complexes are in very low concentrations, measurement is by conventional ICP-MS and the latest evolution of this technology, ICP-MS Dynamic Reaction Cell™ (DRC II™).

Sample collection is the most critical part of a soil geochemistry program. The MMI® Technology has specific sampling protocols based on years of experience and research. In the absence of an orientation survey, samples must be taken at a constant depth (10-25cm) below the organic-inorganic soil interface. There is no sample preparation or drying. The analysis is done on a 50 gram sample and the extracted solution is analyzed via ICP-MS or ICP-MS DRCII™ instruments, that can provide determinations in the part per billion range.

SGS

Minerals Services METHOD SUMMARY

MMI - M : The Determination of Mobile Metal Ions (MMI): Ag, Al, As, Au, Ba, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Hg, In, K, La, Li, Mg, Mn, Mo, Nb, Nd, Ni, P, Pb, Pd, Pr, Pt, Rb, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr by partial extraction and ICP-MS.

1. **Parameter(s) measured, unit(s):**
Silver (Ag); Aluminum (Al); Arsenic (As); Gold (Au); Barium (Ba); Bismuth (Bi); Calcium (Ca); Cadmium (Cd); Cerium (Ce); Chromium (Cr); Cobalt (Co); Cesium (Cs); Copper (Cu); Dysprosium (Dy); Erbium (Er); Europium (Eu); Iron (Fe); Gallium (Ga); Gadolinium (Gd); Mercury (Hg); Indium (In); Potassium (K); Lanthanum (La); Lithium (Li); Magnesium (Mg), Manganese (Mn); Molybdenum (Mo); Niobium (Nb); Neodymium (Nd); Nickel (Ni); Phosphorus (P); Lead (Pb); Palladium (Pd); Praseodymium (Pr); Platinum (Pt); Rubidium (Rb); Antimony (Sb); Scandium (Sc); Samarium (Sm); Tin (Sn); Strontium (Sr); Tantalum (Ta); Terbium (Tb); Tellurium (Te); Thorium (Th); Titanium (Ti); Thallium (Tl); Uranium (U); Tungsten (W); Yttrium (Y); Ytterbium (Yb); Zinc (Zn) and Zirconium (Zr) by partial extraction and ICP-MS: ppb.

2. **Typical sample size:**
50 g

3. **Type of sample applicable (media):**
Soils

4. **Sample preparation technique used:**
Mobile metal ions present in soil samples are partially extracted using a concentrated MMI –M solution.

5. **Method of analysis used:**
The extracted sample solution is analyzed by Inductively coupled plasma Mass Spectrometer (ICP-MS). Samples are analyzed against known calibration materials to provide quantitative analysis of the original sample.

6. **Data reduction by:**
The results are exported via computer, on line, data fed to the SGS Laboratory Information Management System (SLIM) with secure audit trail.

7. **Figures of Merit:**

Element	Reporting Limit (ppb)	Element	Reporting Limit (ppb)	Element	Reporting Limit (ppb)	Element	Reporting Limit (ppb)
Ag	1.0	Er	0.5	Nd	1.0	Ta	1.0
Al	1.0 (ppm)	Eu	0.5	Ni	5.0	Tb	1.0
As	10	Fe	1.0 (ppm)	P	0.1 (ppm)	Te	10
Au	0.1	Ga	1.0	Pb	10	Th	0.5
Ba	10	Gd	1.0	Pd	1.0	Ti	3.0
Bi	1.0	Hg	1.0	Pr	1.0	Tl	0.5
Ca	10 (ppm)	In	0.5	Pt	1.0	U	1.0
Cd	1.0	K	0.1 (ppm)	Rb	5.0	V	NA
Ce	5.0	La	1.0	Sb	1.0	W	1.0
Co	5.0	Li	5.0	Sc	5.0	Y	5.0
Cr	100	Mg	1.0 (ppm)	Se	NA	Yb	1.0
Cs	0.5	Mn	10	Sm	1.0	Zn	20
Cu	10	Mo	5.0	Sn	1.0	Zr	5.0
Dy	1.0	Nb	0.5	Sr	10		

8. Quality control:
Instrument calibration is performed for each batch or work order and calibration checks are analyzed with each analytical run. Quality control materials include method blanks, replicates, duplicates and reference materials and are randomly inserted with the frequency set according to method protocols at ~14%. Quality assurance measures of precision and accuracy are verified statistically using SLIM control charts with set criteria for data acceptance. Data that fails is subject to investigation and repeated as necessary.

Appendix IV – Sample Locations and Descriptions

4.1 – Rock Samples
4.2 – Soil Samples
4.3 - Silt Samples

Appendix 4.1 - Rock Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Channel (m)	Channel (Az)	Map Unit	Rock Type - Major	Rock Type - Minor	Colour - Fresh	Colour - Weathered	Grain Size	Texture	Metamorphic Indicator	Mineralization - Major	Mineralization - Minor	Mineralization Style	Min. %	Alteration	Alt. Degree	Rock Description
AHKWR001	AH	5/10/2010	354046	6943571	0.25	150		Shale		black	black	fine	rotten					0		0	Outcrop at bottom of pit KW10P001
AHKWR002	AH	7/20/2010	354951.88	6943077.6				Diorite		greenish	grey	fine-medium						0		0	Sample of mafic intrusion with trace py
AHKWR003	AH	7/25/2010	354209.52	6943237.8	1	120		Volcaniclastic rock		greenish	orangish	medium	volcanoclastic					0		0	
AHKWR004	AH	7/25/2010	354229.62	6943235.3	0.8	120		Shale		black	grey	fine	fractured					0		0	
AHKWR005	AH	7/25/2010	354221	6943230				Volcaniclastic rock		green	brownish	medium-coarse	aphanitic					0		0	In KW10-006
AHKWR006	AH	7/25/2010	354214.6	6943223.7	1	120		Volcaniclastic rock	Shale									0		0	Outcrop at bottom of hole, crosses contact
AHKWR007	AH	7/25/2010	354214.6	6943223.7	0.4	120		Volcaniclastic rock	Shale									0		0	Sample Focusing on suposed contact zone.
AHKWR008	AH	7/26/2010	354054	6943605				Shale		greenish	rusty	fine						0		0	
AHKWR009	AH	7/26/2010	354054	6943605				Shale		greenish	rusty	fine						0		0	Shale outcrop 5 m up from creek
AHKWR010	AH	7/26/2010	354054	6943605				Shale		greenish	rusty	fine						0		0	Shale oc on the north side of volcanic layer.
AHKWR011	AH	7/27/2010	354247	6943186	0.7	180		Volcaniclastic rock		white	brown	medium						0		0	
AHKWR012	AH	7/28/2010	353531.57	6944493.2				Volcaniclastic rock		greenish	brownish	medium	porphyritic					0		0	
BWKWR001	BW	6/17/2010	354052	6943559				Shale		dark grey	brown	fine	veined					0		0	Almost subcrop, pile from trenching of VG. Green min on surface, likely scoridite
BWKWR002	BW	6/17/2010	354049	6943575				Shale										0		0	Jean's sample, blue mineral in shale, maybe As mineral
BWKWR003	BW	5/10/2010	354048	6943557	0.85	124		Shale		dark grey	dark grey	fine	rotten					0		0	Includes 20cm qtz/carb vein, silicified, very vrumbly/rotten, mm pyr veinlets. 98-419
BWKWR004	BW	5/10/2010	354048	6943557	2	124		Shale		dark grey	dark grey	fine	rotten					0		0	10cm qtz/carb vein/blob, silicification decreases W to E. 98-420
BWKWR005	BW	5/10/2010	354048	6943557	2	124		Shale		dark grey	dark grey	fine	rotten					0		0	Some mud blobs with 10% pyr, very easily weathered. 98-421
BWKWR006	BW	5/10/2010	354048	6943557	2	124		Shale		dark grey	dark grey	fine	rotten					0		0	Commonly pyr rich, 1-5%, some beige weathering rock with orange staining, 98-422
BWKWR007	BW	5/10/2010	354048	6943557	1	124		Siltstone		dark grey	dark grey	fine-medium	veined					0		0	Highly silicified, 1% pyr, poss. Scoridite. 98-423
BWKWR008	BW	5/10/2010	354048	6943557	2	124		Granite	Rhyolite	pinkish	orange	medium-coarse	equigranular					0		0	Very rotten. 98-423
BWKWR009	BW	5/10/2010	354048	6943557	1.5	124		Granite	Rhyolite	pinkish	orange	medium-coarse	equigranular					0		0	98-424
BWKWR010	BW	5/10/2010	354048	6943557	1.5	124		Granite	Rhyolite	pinkish	orange	medium-coarse	equigranular					0		0	Has 2 10cm grey mud veins, sample includes granite and mud
BWKWR011	BW	7/24/2010	353323.22	6943535.8				Granite		grey	beige	coarse	equigranular					0		0	10mx20m outcrop, good pyr infeld porphyry
BWKWR012	BW	7/25/2010	354017.71	6943605.3	1	75		Shale		beige	beige	fine	fissile					0		0	Corresponds with historic sample 412 (26-27m). Permafrost to the west
BWKWR013	BW	7/25/2010	354017.71	6943605.3	1	75		Shale	Quartzite	brown	rusty	fine	fractured					0		0	Old samples 412/437 (27-28m)
BWKWR014	BW	7/25/2010	354017.71	6943605.3	1	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 412/438 (28-29m).
BWKWR015	BW	7/25/2010	354017.71	6943605.3	1	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 412 (29-30m).
BWKWR016	BW	7/25/2010	354017.71	6943605.3	2.5	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 413 (30-32.5m)
BWKWR017	BW	7/25/2010	354017.71	6943605.3	2.5	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 413, (32.5-35)
BWKWR018	BW	7/25/2010	354017.71	6943605.3	2.5	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 414 (35-37.5)
BWKWR019	BW	7/25/2010	354017.71	6943605.3	2.5	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 414 (37.5-40m)
BWKWR020	BW	7/25/2010	354017.71	6943605.3	2	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 415 (40-42m)
BWKWR021	BW	7/25/2010	354017.71	6943605.3	1.5	75		Shale	Quartzite	beige	rusty	fine-medium	fractured					0		0	Old sample 415 (42-43.5m)
LJKWR001	LJ	7/18/2010	354047	6943555				Shale		greyish	dark grey	fine			pyrite		BLEBBY	1.5			
LJKWR002	LJ	7/24/2010	354569	6942530						bluish	rusty	fine			pyrrhotite	pyrite	BLEBBY	1.5			

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
AHKWD001	AH	5/23/2010	354045.6	6943554.4	Brown	light	0 - 20	15	B	4		
AHKWD002	AH	5/23/2010	354046.45	6943553.8	grey	light	0 - 20	35	TILL	3		
AHKWD003	AH	5/23/2010	354047.04	6943552.1	grey	dark	0 - 20	65	TILL	3		
AHKWD004	AH	5/23/2010	354047.24	6943551.9	grey	light	0 - 20	95	TILL	3		
AHKWD005	AH	5/23/2010	354046.72	6943550.7	green	black	0 - 20	125	C	3		
AHKWD006	AH	7/17/2010	354046	6943571	brown	light	0 - 20	35	B	5		
AHKWD007	AH	7/17/2010	354046	6943571	brown	dark	0 - 20	55	TILL	4	ROCKY	
AHKWD008	AH	7/17/2010	354046	6943571	brown	grey	0 - 20	75	TILL	3		
AHKWD009	AH	7/17/2010	354046	6943571	brown	dark	0 - 20	95	TILL	3	ROCKY	
AHKWD010	AH	7/17/2010	354046	6943571	brown	dark	0 - 20	95	TILL	3	ROCKY	
AHKWD011	AH	7/17/2010	354046	6943571	brown		0 - 20	135	TILL	4		
AHKWD012	AH	7/17/2010	354046	6943571	grey		0 - 20	135	TILL	4		
AHKWD013	AH	7/17/2010	354046	6943571	brown		0 - 20	135	C	4		
AHKWD014	AH	7/18/2010	354226	6943100	Brown	dark	0 - 20	25	TILL	3		
AHKWD015	AH	7/18/2010	354226	6943100	Brown	dark	0 - 20	65	TILL	3		
AHKWD016	AH	7/18/2010	354226	6943100	Brown	dark	0 - 20	95	TILL	3		
AHKWD017	AH	7/18/2010	354226	6943100	Brown	dark	0 - 20	125	TILL	3		
AHKWD019	AH	7/25/2010	354210	6943237	brown		0 - 20	35	Select	4		
AHKWD020	AH	7/25/2010	354230	6943235	brown		0 - 20	35	B	4		
AHKWD021	AH	7/25/2010	354230	6943235	grey		0 - 20	75	C	3	ROCKY	
AHKWD022	AH	7/25/2010	354230	6943235	grey		0 - 20	55	C	3		
AHKWD023	AH	7/25/2010	354221	6943230	brown		0 - 20	35	B	5		
AHKWD024	AH	7/25/2010	354221	6943230	grey		0 - 20	85	C	3	ROCKY	
AHKWD025	AH	7/25/2010	354221	6943230	grey		0 - 20	125	C	3	ROCKY	
AHKWD026	AH	7/25/2010	354215	6943223	brown		0 - 20	25	B	4		
AHKWD027	AH	7/25/2010	354215	6943223	grey	brown	0 - 20	75	C	3	ROCKY	
AHKWD028	AH	7/27/2010	354246.63	6943186	brown		0 - 20	15	B	4		
AHKWD029	AH	7/27/2010	354247	6943186	brown		0 - 20	45	C	3	ROCKY	
AHKWD030	AH	7/27/2010	354205.41	6943172.5	grey		0 - 20	65	TILL	2	ROCKY	
ETKWD001	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	25	TILL	4		
ETKWD002	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	15	TILL	4		
ETKWD003	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	35	B	4		
ETKWD004	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	45	TILL	4		
ETKWD005	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	55	TILL	4		
ETKWD006	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	65	TILL	4		
ETKWD007	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	75	TILL	4		

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
ETKWD008	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	85	TILL	4		
ETKWD009	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	95	TILL	4		
ETKWD010	ET	7/17/2010	354043	6943572	brown	tan	0 - 20	105	TILL	4		
ETKWD011	ET	7/18/2010	354226	6943104	Brown	tan	0 - 20	15	TILL	3	PERMAFROST	
ETKWD012	ET	7/18/2010	354227	6943104	Brown	tan	0 - 20	25	TILL	4	PERMAFROST	
ETKWD013	ET	7/18/2010	354226	6943104	Brown	tan	0 - 20	35	TILL	4	PERMAFROST	
ETKWD014	ET	7/18/2010	354226	6943104	Brown	tan	0 - 20	45	TILL	4	PERMAFROST	
ETKWD015	ET	7/18/2010	354226	6943104	Brown	tan	0 - 20	55	TILL	4	PERMAFROST	
ETKWD016	ET	7/25/2010	354215	6943232	brown		0 - 20	25	B	4		
ETKWD017	ET	7/25/2010	354234	6943245	brown		0 - 20	25	B	4		
ETKWD018	ET	7/25/2010	354232	6943245	brown		0 - 20	45	C	4	ROCKY	
ETKWD019	ET	7/25/2010	354217	6943228	brown		0 - 20	45	B	4	ROCKY	
ETKWD020	ET	7/25/2010	354215	6943228	grey		0 - 20	75	C	4	ROCKY	
ETKWD021	ET	7/25/2010	354218	6943226	brown		0 - 20	45	B	4	ROCKY	
ETKWD022	ET	7/25/2010	354217	6943227	brown		0 - 20	65	C	4	ROCKY	
KW35+00N 04+50E	BW	7/27/2010	354367	6942324	grey	grey	20 - 40	5	A	1	LINE_START	ORGANIC
KW35+00N 04+75E	BW	7/27/2010	354391.66667	6942322.333333								
KW35+00N 05+00E	BW	7/27/2010	354416.33333	6942320.666667	grey	grey	0 - 20	15	B	2	ORGANIC	STUMP_SAMPLE
KW35+00N 05+25E	BW	7/27/2010	354441	6942319	grey	grey	0 - 20	25	TILL	1	ROCKY	
KW35+00N 05+50E	BW	7/27/2010	354465.66667	6942317.333333	grey	grey	0 - 20	45	TILL	2	ROCKY	
KW35+00N 05+75E	BW	7/27/2010	354490.33333	6942315.666667	brown	grey	0 - 20	55	TILL	3	ROCKY	
KW35+00N 06+00E	BW	7/27/2010	354515	6942314	grey	grey	0 - 20	55	TILL	1	ROCKY	ORGANIC
KW35+00N 06+25E	BW	7/27/2010	354537.875	6942310.5	grey	grey	0 - 20	55	TILL	1	ROCKY	ORGANIC
KW35+00N 06+50E	BW	7/27/2010	354560.75	6942307								
KW35+00N 06+75E	BW	7/27/2010	354583.625	6942303.5	grey	grey	0 - 20	45	TILL	2	ROCKY	
KW35+00N 07+00E	BW	7/27/2010	354606.5	6942300	grey	grey	0 - 20	55	TILL	2	ROCKY	
KW35+00N 07+25E	BW	7/27/2010	354629.375	6942296.5	grey	grey	0 - 20	55	TILL	1	ROCKY	
KW35+00N 07+50E	BW	7/27/2010	354652.25	6942293								
KW35+00N 07+75E	BW	7/27/2010	354675.125	6942289.5	grey	grey	0 - 20	45	TILL	1	ROCKY	ORGANIC
KW35+00N 08+00E	BW	7/27/2010	354698	6942286	grey	grey	0 - 20	45	TILL	1	ROCKY	ORGANIC
KW35+00N 08+25E	BW	7/27/2010	354721.5	6942286.5	brown	brown	0 - 20	25	B	4	ROCKY	
KW35+00N 08+50E	BW	7/27/2010	354745	6942287	brown	brown	0 - 20	15	B	4	ROCKY	
KW35+00N 08+75E	BW	7/27/2010	354768.5	6942287.5	brown	brown	0 - 20	35	B	4	ROCKY	
KW35+00N 09+00E	BW	7/27/2010	354792	6942288	brown	brown	0 - 20	15	B	4	ROCKY	
KW35+00N 09+25E	BW	7/27/2010	354815.5	6942288.5	grey	grey	0 - 20	35	TILL	1	ORGANIC	PERMAFROST
KW35+00N 09+50E	BW	7/27/2010	354839	6942289	grey	grey	0 - 20	25	TILL	1	ROCKY	ORGANIC

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW35+00N 09+75E	BW	7/27/2010	354862.5	6942289.5	grey	grey	0 - 20	25	TILL	1	ROCKY	ORGANIC
KW35+00N 10+00E	BW	7/27/2010	354886	6942290	brown	grey	0 - 20	45	TILL	1	ROCKY	ORGANIC
KW35+00N 10+25E	BW	7/27/2010	354910.875	6942289.5	brown	grey	0 - 20	45	TILL	2	ROCKY	
KW35+00N 10+50E	BW	7/27/2010	354935.75	6942289	brown	brown	0 - 20	35	B	3	ROCKY	
KW35+00N 10+75E	BW	7/27/2010	354960.625	6942288.5	brown	brown	0 - 20	35	B	1	ORGANIC	PERMAFROST
KW35+00N 11+00E	BW	7/27/2010	354985.5	6942288	grey	brown	0 - 20	25	TILL	2	ROCKY	
KW35+00N 11+25E	BW	7/27/2010	355010.375	6942287.5	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW35+00N 11+50E	BW	7/27/2010	355035.25	6942287	brown	brown	0 - 20	35	B	4	ROCKY	
KW35+00N 11+75E	BW	7/27/2010	355060.125	6942286.5	grey	grey	0 - 20	45	TILL	3	ROCKY	
KW35+00N 12+00E	BW	7/27/2010	355085	6942286	grey	grey	0 - 20	45	TILL	1	ROCKY	ORGANIC
KW35+00N 12+25E	BW	7/27/2010	355108.5	6942285.375	grey	grey	0 - 20	45	TILL	1	ROCKY	ORGANIC
KW35+00N 12+50E	BW	7/27/2010	355132	6942284.75	grey	grey	0 - 20	45	TILL	1	PERMAFROST	ORGANIC
KW35+00N 12+75E	BW	7/27/2010	355155.5	6942284.125								
KW35+00N 13+00E	BW	7/27/2010	355179	6942283.5								
KW35+00N 13+25E	BW	7/27/2010	355202.5	6942282.875	grey	grey	0 - 20	35	TILL	2	ROCKY	PERMAFROST
KW35+00N 13+50E	BW	7/27/2010	355226	6942282.25	grey	grey	0 - 20	35	TILL	1	ASH	PERMAFROST
KW35+00N 13+75E	BW	7/27/2010	355249.5	6942281.625								
KW35+00N 14+00E	BW	7/27/2010	355273	6942281	grey	grey	0 - 20	35	TILL	1	LINE_END	PERMAFROST
KW36+00N 03+00E	BW	7/27/2010	354224	6942427	grey	grey	20 - 40	5	A	1	STUMP_SAMPLE	ORGANIC
KW36+00N 03+25E	BW	7/27/2010	354249	6942426.5	grey	grey	20 - 40	25	A	1	ROCKY	ORGANIC
KW36+00N 03+50E	BW	7/27/2010	354274	6942426								
KW36+00N 03+75E	BW	7/27/2010	354299	6942425.5	grey	grey	0 - 20	25	TILL	1	ROCKY	
KW36+00N 04+00E	BW	7/27/2010	354324	6942425	grey	grey	0 - 20	25	TILL	2	ROCKY	
KW36+00N 04+25E	BW	7/27/2010	354348.375	6942423.375	grey	brown	0 - 20	35	B	3	ORGANIC	ROCKY
KW36+00N 04+50E	BW	7/27/2010	354372.75	6942421.75	grey	grey	0 - 20	35	TILL	2	ROCKY	ORGANIC
KW36+00N 04+75E	BW	7/27/2010	354397.125	6942420.125								
KW36+00N 05+00E	BW	7/27/2010	354421.5	6942418.5								
KW36+00N 05+25E	BW	7/27/2010	354445.875	6942416.875								
KW36+00N 05+50E	BW	7/27/2010	354470.25	6942415.25								
KW36+00N 05+75E	BW	7/27/2010	354494.625	6942413.625								
KW36+00N 06+00E	BW	7/27/2010	354519	6942412	grey	brown	0 - 20	45	TILL	2	ROCKY	
KW36+00N 06+25E	BW	7/27/2010	354544.5	6942411.5	brown	brown	0 - 20	25	B	4	ROCKY	
KW36+00N 06+50E	BW	7/27/2010	354570	6942411	brown	brown	0 - 20	25	B	3	ROCKY	
KW36+00N 06+75E	BW	7/27/2010	354595.5	6942410.5	brown	brown	0 - 20	25	B	1	ORGANIC	ORGANIC
KW36+00N 07+00E	BW	7/27/2010	354621	6942410	brown	brown	0 - 20	25	B	1	ORGANIC	ORGANIC
KW36+00N 07+25E	BW	7/27/2010	354646.5	6942409.5	brown	brown	0 - 20	25	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW36+00N 07+50E	BW	7/27/2010	354672	6942409	brown	grey	0 - 20	15	B	3	ROCKY	
KW36+00N 07+75E	BW	7/27/2010	354697.5	6942408.5	brown	brown	0 - 20	25	B	3	ROCKY	
KW36+00N 08+00E	BW	7/27/2010	354723	6942408	grey	grey	0 - 20	35	TILL	2	ROCKY	
KW36+00N 08+25E	BW	7/27/2010	354747.625	6942406.375								
KW36+00N 08+50E	BW	7/27/2010	354772.25	6942404.75								
KW36+00N 08+75E	BW	7/27/2010	354796.875	6942403.125								
KW36+00N 09+00E	BW	7/27/2010	354821.5	6942401.5								
KW36+00N 09+25E	BW	7/27/2010	354846.125	6942399.875	grey	grey	0 - 20	55	TILL	1	ROCKY	ORGANIC
KW36+00N 09+50E	BW	7/27/2010	354870.75	6942398.25	grey	grey	0 - 20	55	TILL	1	ROCKY	SMALL_SAMPLE
KW36+00N 09+75E	BW	7/27/2010	354895.375	6942396.625								
KW36+00N 10+00E	BW	7/27/2010	354920	6942395								
KW36+00N 10+25E	BW	7/27/2010	354944.875	6942393.5	grey	grey	0 - 20	35	TILL	2	ROCKY	
KW36+00N 10+50E	BW	7/27/2010	354969.75	6942392	grey	grey	0 - 20	5	TILL	1	ROCKY	ORGANIC
KW36+00N 10+75E	BW	7/27/2010	354994.625	6942390.5	grey	grey	0 - 20	5	TILL	1	ROCKY	ORGANIC
KW36+00N 11+00E	BW	7/27/2010	355019.5	6942389								
KW36+00N 11+25E	BW	7/27/2010	355044.375	6942387.5	grey	grey	0 - 20	5	TILL	2	ROCKY	
KW36+00N 11+50E	BW	7/27/2010	355069.25	6942386	grey	grey	0 - 20	25	A	1	PERMAFROST	ORGANIC
KW36+00N 11+75E	BW	7/27/2010	355094.125	6942384.5	grey	grey	0 - 20	25	A	1	LINE_START	ORGANIC
KW36+00N 12+00E	LJ	7/24/2010	355119	6942383	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 12+25E	LJ	7/24/2010	355144.3	6942382.4	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 12+50E	LJ	7/24/2010	355169.6	6942381.8	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 12+75E	LJ	7/24/2010	355194.9	6942381.2	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 13+00E	LJ	7/24/2010	355220.2	6942380.6	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 13+25E	LJ	7/24/2010	355245.5	6942380	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 13+50E	LJ	7/24/2010	355270.8	6942379.4	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 13+75E	LJ	7/24/2010	355296.1	6942378.8	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 14+00E	LJ	7/24/2010	355321.4	6942378.2	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 14+25E	LJ	7/24/2010	355346.7	6942377.6	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW36+00N 14+50E	LJ	7/24/2010	355372	6942377	brown	grey	0 - 20	15	TILL	3	ROCKY	LINE_END
KW37+00N 00+50E	LJ	7/24/2010	353984	6942551	grey	light	0 - 20	45	TILL	3	LINE_START	ROCKY
KW37+00N 00+75E	LJ	7/24/2010	354008.16667	6942551	grey	light	20 - 40	25	TILL	3	ROCKY	
KW37+00N 01+00E	LJ	7/24/2010	354032.33333	6942551	brown	light	20 - 40	55	B	3	ORGANIC	
KW37+00N 01+25E	LJ	7/24/2010	354056.5	6942551	brown	light	20 - 40	55	TILL	2	ORGANIC	
KW37+00N 01+50E	LJ	7/24/2010	354080.66667	6942551	grey	light	0 - 20	45	TILL	2	ROCKY	
KW37+00N 01+75E	LJ	7/24/2010	354104.83333	6942551	brown	light	0 - 20	45	A	2	ROCKY	ORGANIC
KW37+00N 02+00E	LJ	7/24/2010	354129	6942551	brown	light	0 - 20	45	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW37+00N 02+25E	LJ	7/24/2010	354153.25	6942550.625	brown	grey	0 - 20	45	B	3	ROCKY	
KW37+00N 02+50E	LJ	7/24/2010	354177.5	6942550.25	brown	orange	0 - 20	5	B	4	5M BEFORE	
KW37+00N 02+75E	LJ	7/24/2010	354201.75	6942549.875	brown	orange	0 - 20	15	B	4	ROCKY	
KW37+00N 03+00E	LJ	7/24/2010	354226	6942549.5	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 03+25E	LJ	7/24/2010	354250.25	6942549.125	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 03+50E	LJ	7/24/2010	354274.5	6942548.75	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 03+75E	LJ	7/24/2010	354298.75	6942548.375	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 04+00E	LJ	7/24/2010	354323	6942548	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 04+25E	LJ	7/24/2010	354347.5	6942547.125	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 04+50E	LJ	7/24/2010	354372	6942546.25	brown		0 - 20	25	B	3	ROCKY	
KW37+00N 04+75E	LJ	7/24/2010	354396.5	6942545.375	brown		0 - 20	25	TILL	3	ROCKY	
KW37+00N 05+00E	LJ	7/24/2010	354421	6942544.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW37+00N 05+25E	LJ	7/24/2010	354445.5	6942543.625	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW37+00N 05+50E	LJ	7/24/2010	354470	6942542.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW37+00N 05+75E	LJ	7/24/2010	354494.5	6942541.875	brown	grey	0 - 20	25	TILL	4	ROCKY	
KW37+00N 06+00E	LJ	7/24/2010	354519	6942541	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 06+25E	LJ	7/24/2010	354544.75	6942539.375	brown	orange	0 - 20	25	B	4	ROCKY	
KW37+00N 06+50E	LJ	7/24/2010	354570.5	6942537.75	brown		0 - 20	5	C	4	ROCKY	
KW37+00N 06+75E	LJ	7/24/2010	354596.25	6942536.125	brown		0 - 20	5	C	4	ROCKY	
KW37+00N 07+00E	LJ	7/24/2010	354622	6942534.5	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 07+25E	LJ	7/24/2010	354647.75	6942532.875	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 07+50E	LJ	7/24/2010	354673.5	6942531.25	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 07+75E	LJ	7/24/2010	354699.25	6942529.625	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 08+00E	LJ	7/24/2010	354725	6942528	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 08+25E	LJ	7/24/2010	354751.25	6942523.75	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 08+50E	LJ	7/24/2010	354776.5	6942522.5	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 08+75E	LJ	7/24/2010	354801.75	6942521.25	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 09+00E	LJ	7/24/2010	354827	6942520	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 09+25E	LJ	7/24/2010	354852.25	6942518.75	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 09+50E	LJ	7/24/2010	354877.5	6942517.5	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 09+75E	LJ	7/24/2010	354902.75	6942516.25	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 10+00E	LJ	7/24/2010	354928	6942515	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 10+25E	LJ	7/24/2010	354952.875	6942513.75	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 10+50E	LJ	7/24/2010	354977.75	6942512.5	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 10+75E	LJ	7/24/2010	355002.625	6942511.25	brown	dark	0 - 20	15	TILL	1	ROCKY	ORGANIC
KW37+00N 11+00E	LJ	7/24/2010	355027.5	6942510	brown	dark	0 - 20	15	TILL	1	ROCKY	ORGANIC

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW37+00N 11+25E	LJ	7/24/2010	355052.375	6942508.75	brown	dark	0 - 20	15	TILL	1	ROCKY	ORGANIC
KW37+00N 11+50E	LJ	7/24/2010	355077.25	6942507.5	brown	dark	0 - 20	15	TILL	1	ROCKY	ORGANIC
KW37+00N 11+75E	LJ	7/24/2010	355102.125	6942506.25	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 12+00E	LJ	7/24/2010	355127	6942505	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 12+25E	LJ	7/24/2010	355153.25	6942505	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 12+50E	LJ	7/24/2010	355179.5	6942505	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW37+00N 12+75E	LJ	7/24/2010	355205.75	6942505	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW37+00N 13+00E	LJ	7/24/2010	355232	6942505	brown	grey	0 - 20	15	TILL	3	ROCKY	LINE_END
KW38+00N 00+00	BW	7/22/2010	353894	6942668	grey	grey	0 - 20	25	A	2	ORGANIC	
KW38+00N 00+25E	BW	7/22/2010	353920.5625	6942666.75	grey	grey	0 - 20	45	TILL	2	ROCKY	
KW38+00N 00+25	BW	7/22/2010	353890	6942692	grey	grey	0 - 20	35	TILL	2	ROCKY	
KW38+00N 00+50E	BW	7/22/2010	353947.125	6942665.5	grey	brown	0 - 20	45	TILL	2	ROCKY	
KW38+00N 00+75E	BW	7/22/2010	353973.6875	6942664.25	grey	grey	0 - 20	25	A	1	ORGANIC	
KW38+00N 01+00E	BW	7/22/2010	354000.25	6942663								
KW38+00N 01+25E	BW	7/22/2010	354026.8125	6942661.75								
KW38+00N 01+50E	BW	7/22/2010	354053.375	6942660.5	brown	grey	0 - 20	105	TILL	1	ROCKY	
KW38+00N 01+75E	BW	7/22/2010	354079.9375	6942659.25								
KW38+00N 02+00E	BW	7/22/2010	354106.5	6942658	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW38+00N 02+25E	BW	7/22/2010	354133.0625	6942656.75	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW38+00N 02+50E	BW	7/22/2010	354159.625	6942655.5	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW38+00N 02+75E	BW	7/22/2010	354186.1875	6942654.25	brown	grey	0 - 20	25	TILL	1	ROCKY	
KW38+00N 03+00E	BW	7/22/2010	354212.75	6942653								
KW38+00N 03+25E	BW	7/22/2010	354239.3125	6942651.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW38+00N 03+50E	BW	7/22/2010	354265.875	6942650.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW38+00N 03+75E	BW	7/22/2010	354292.4375	6942649.25	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW38+00N 04+00E	BW	7/22/2010	354319	6942648	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW38+00N 04+25E	BW	7/22/2010	354344	6942645.6875	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW38+00N 04+50E	BW	7/22/2010	354369	6942643.375	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW38+00N 04+75E	BW	7/22/2010	354394	6942641.0625	brown	grey	0 - 20	45	TILL	2	ROCKY	
KW38+00N 05+00E	BW	7/22/2010	354419	6942638.75	brown	brown	0 - 20	25	B	3	ROCKY	
KW38+00N 05+25E	BW	7/22/2010	354444	6942636.4375	grey	brown	0 - 20	35	TILL	3	ROCKY	ORGANIC
KW38+00N 05+50E	BW	7/22/2010	354469	6942634.125	brown	grey	0 - 20	35	B	3	ROCKY	
KW38+00N 05+75E	BW	7/22/2010	354494	6942631.8125	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW38+00N 06+00E	BW	7/22/2010	354519	6942629.5	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW38+00N 06+25E	BW	7/22/2010	354544	6942627.1875	brown	brown	0 - 20	35	B	3	ROCKY	
KW38+00N 06+50E	BW	7/22/2010	354569	6942624.875	grey	brown	0 - 20	35	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW38+00N 06+75E	BW	7/22/2010	354594	6942622.5625	grey	brown	0 - 20	45	TILL	3	ROCKY	
KW38+00N 07+00E	BW	7/22/2010	354619	6942620.25	grey		0 - 20	35	TILL	2	ROCKY	
KW38+00N 07+25E	BW	7/22/2010	354644	6942617.9375	grey		0 - 20	25	TILL	2	ROCKY	
KW38+00N 07+50E	BW	7/22/2010	354669	6942615.625	grey		0 - 20	25	TILL	3	ROCKY	
KW38+00N 07+75E	BW	7/22/2010	354694	6942613.3125	grey		0 - 20	25	TILL	2	ROCKY	
KW38+00N 08+00E	BW	7/22/2010	354719	6942611	grey		0 - 20	35	TILL	2	ROCKY	
KW38+00N 08+25E	BW	7/22/2010	354744.9375	6942608.5	grey		0 - 20	25	TILL	2	ROCKY	
KW38+00N 08+50E	BW	7/22/2010	354770.875	6942606	grey		0 - 20	15	TILL	2	ROCKY	
KW38+00N 08+75E	BW	7/22/2010	354796.8125	6942603.5	grey		0 - 20	55	TILL	2	ROCKY	
KW38+00N 09+00E	BW	7/22/2010	354822.75	6942601								
KW38+00N 09+25E	BW	7/22/2010	354848.6875	6942598.5	grey		0 - 20	45	TILL	2	ROCKY	
KW38+00N 09+50E	BW	7/22/2010	354874.625	6942596								
KW38+00N 09+75E	BW	7/22/2010	354900.5625	6942593.5	grey		0 - 20	55	TILL	1	ROCKY	ORGANIC
KW38+00N 10+00E	BW	7/22/2010	354926.5	6942591	grey		0 - 20	55	TILL	2	ROCKY	ORGANIC
KW38+00N 10+25E	BW	7/22/2010	354952.4375	6942588.5	grey		0 - 20	15	TILL	2	ROCKY	ORGANIC
KW38+00N 10+50E	BW	7/22/2010	354978.375	6942586	grey		0 - 20	55	TILL	1	ROCKY	ORGANIC
KW38+00N 10+75E	BW	7/22/2010	355004.3125	6942583.5								
KW38+00N 11+00E	BW	7/22/2010	355030.25	6942581	grey		0 - 20	5	TILL	2	ROCKY	
KW38+00N 11+25E	BW	7/22/2010	355056.1875	6942578.5	grey		0 - 20	15	TILL	1	ROCKY	
KW38+00N 11+50E	BW	7/22/2010	355082.125	6942576	grey		0 - 20	25	TILL	1	ROCKY	
KW38+00N 11+75E	BW	7/22/2010	355108.0625	6942573.5	grey		0 - 20	25	TILL	2	ROCKY	
KW38+00N 12+00E	BW	7/22/2010	355134	6942571	grey		0 - 20	25	TILL	2	LINE_START	ROCKY
KW39+00N 00+00	ET	7/25/2010	353950	6942750							ROCKY	
KW39+00N 00+25E	ET	7/24/2010	353975.75	6942748.75								
KW39+00N 00+25	ET	7/26/2010	353925.03735	6942751.366118	brown	light	0 - 20	35		2	ASH	
KW39+00N 00+50E	ET	7/23/2010	354001.5	6942747.5	brown	grey	0 - 20	35		2	ROCKY	
KW39+00N 00+50	ET	7/27/2010	353900.07471	6942752.732236							ROCKY	
KW39+00N 00+75E	ET	7/22/2010	354027.25	6942746.25	brown	dark	0 - 20	35	TILL	3	ROCKY	
KW39+00N 00+75	ET	7/28/2010	353875.11206	6942754.098354	brown	light	0 - 20	35		2	ASH	
KW39+00N 01+00E	ET	7/22/2010	354053	6942745	brown	light	0 - 20	35	B	4		
KW39+00N 01+00	ET	7/28/2010	353850.14941	6942755.464472	brown	light	0 - 20	35		2	ROCKY	
KW39+00N 01+25E	ET	7/22/2010	354078.75	6942743.75	brown	light	0 - 20	35	B	4		
KW39+00N 01+25	ET	7/28/2010	353825.18677	6942756.830591	brown	light	0 - 20	35		1	ASH	LINE END
KW39+00N 01+50E	ET	7/22/2010	354104.5	6942742.5								
KW39+00N 01+75E	ET	7/22/2010	354130.25	6942741.25	grey	brown	0 - 20	35	B	3	ROCKY	
KW39+00N 02+00E	ET	7/22/2010	354156	6942740	grey	brown	0 - 20	35	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW39+00N 02+25E	ET	7/22/2010	354180.625	6942741.25	grey	brown	0 - 20	35	B	3	ROCKY	
KW39+00N 02+50E	ET	7/22/2010	354205.25	6942742.5	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW39+00N 02+75E	ET	7/22/2010	354229.875	6942743.75	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW39+00N 03+00E	ET	7/22/2010	354254.5	6942745	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW39+00N 03+25E	ET	7/22/2010	354279.125	6942746.25	grey	brown	0 - 20	35	TILL	3		
KW39+00N 03+50E	ET	7/22/2010	354303.75	6942747.5	grey	brown	0 - 20	35	TILL	3		
KW39+00N 03+75E	ET	7/22/2010	354328.375	6942748.75	grey	light	0 - 20	35	TILL	3		
KW39+00N 04+00E	ET	7/22/2010	354353	6942750	brown	light	0 - 20	35	TILL	2	ROCKY	
KW39+00N 04+25E	ET	7/22/2010	354379.125	6942746.875	brown	light	0 - 20	35	TILL	2	ROCKY	
KW39+00N 04+50E	ET	7/22/2010	354405.25	6942743.75	grey	dark	0 - 20	35	TILL	1	ROCKY	
KW39+00N 04+75E	ET	7/22/2010	354431.375	6942740.625	brown	light	0 - 20	25	B	3		
KW39+00N 05+00E	ET	7/22/2010	354457.5	6942737.5	black	light	0 - 20	25	B	3		
KW39+00N 05+25E	ET	7/22/2010	354483.625	6942734.375	grey	dark	0 - 20	25	TILL	3	ORGANIC	
KW39+00N 05+50E	ET	7/22/2010	354509.75	6942731.25	grey	dark	0 - 20	25	TILL	2	ROCKY	
KW39+00N 05+75E	ET	7/22/2010	354535.875	6942728.125								
KW39+00N 06+00E	ET	7/22/2010	354562	6942725	grey	dark	0 - 20	35	A	2	ROCKY	
KW39+00N 06+25E	ET	7/22/2010	354589.25	6942724.375	grey	dark	0 - 20	35	A	2	ROCKY	
KW39+00N 06+50E	ET	7/22/2010	354616.5	6942723.75	grey	dark	0 - 20	35	A	2	ROCKY	
KW39+00N 06+75E	ET	7/22/2010	354643.75	6942723.125	brown	light	0 - 20	35	B	3	ROCKY	
KW39+00N 07+00E	ET	7/22/2010	354671	6942722.5	brown	light	0 - 20	35	B	1	ROCKY	
KW39+00N 07+25E	ET	7/22/2010	354698.25	6942721.875								
KW39+00N 07+50E	ET	7/22/2010	354725.5	6942721.25								
KW39+00N 07+75E	ET	7/22/2010	354752.75	6942720.625	grey		0 - 20	35	TILL	3	ROCKY	
KW39+00N 08+00E	ET	7/22/2010	354780	6942720	grey		0 - 20	35	TILL	3	ROCKY	
KW39+00N 08+25E	ET	7/22/2010	354805.125	6942716.625	grey		0 - 20	35	TILL	3	ROCKY	
KW39+00N 08+50E	ET	7/22/2010	354830.25	6942713.25	brown	light	0 - 20	25	B	3	ROCKY	
KW39+00N 08+75E	ET	7/22/2010	354855.375	6942709.875	brown	grey	0 - 20	25	B	1	ROCKY	
KW39+00N 09+00E	ET	7/22/2010	354880.5	6942706.5								
KW39+00N 09+25E	ET	7/22/2010	354905.625	6942703.125								
KW39+00N 09+50E	ET	7/22/2010	354930.75	6942699.75	brown	grey	0 - 20	25	B	3		
KW39+00N 09+75E	ET	7/22/2010	354955.875	6942696.375	brown	grey	0 - 20	25	B	3		
KW39+00N 10+00E	ET	7/22/2010	354981	6942693	brown	grey	0 - 20	25	B	3		
KW39+00N 10+25E	ET	7/22/2010	355004.75	6942692.875	brown	grey	0 - 20	25	B	3		
KW39+00N 10+50E	ET	7/22/2010	355028.5	6942692.75	brown	grey	0 - 20	25	B	3		
KW39+00N 10+75E	ET	7/22/2010	355052.25	6942692.625	brown	light	0 - 20	25	B	3		
KW39+00N 11+00E	ET	7/22/2010	355076	6942692.5	brown	light	0 - 20	25	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW39+00N 11+25E	ET	7/22/2010	355099.75	6942692.375	brown	light	0 - 20	25	B	3	ROCKY	
KW39+00N 11+50E	ET	7/22/2010	355123.5	6942692.25	brown	light	0 - 20	25	B	3	ROCKY	
KW39+00N 11+75E	ET	7/22/2010	355147.25	6942692.125	grey	dark	0 - 20	25	B	3	ROCKY	
KW39+00N 12+00E	ET	7/22/2010	355171	6942692	grey	dark	0 - 20	25	TILL	3	ROCKY	LINE_END
KW40+00N 00+00	LJ	7/20/2010	353916	6942850	brown		0 - 20	35	TILL	3	ROCKY	LINE_START
KW40+00N 00+25E	AH	7/21/2010	353941.25	6942849.5	brown		0 - 20	25	B	4	ROCKY	
KW40+00N 00+25	LJ	7/20/2010	353908	6942853.125	brown		0 - 20	35	TILL	3	ROCKY	
KW40+00N 00+50E	AH	7/21/2010	353966.5	6942849	grey		0 - 20	25	B	3	ROCKY	
KW40+00N 00+50	LJ	7/20/2010	353884	6942856.25	brown		0 - 20	35	B	4	PERMAFROST	
KW40+00N 00+75E	AH	7/21/2010	353991.75	6942848.5	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW40+00N 00+75	LJ	7/20/2010	353859	6942859.375	brown		0 - 20	35	B	4	PERMAFROST	
KW40+00N 01+00E	AH	7/21/2010	354017	6942848	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW40+00N 01+00	LJ	7/20/2010	353822	6942862.5	brown		0 - 20	35	B	4	ROCKY	
KW40+00N 01+25E	AH	7/21/2010	354042.25	6942847.5	grey	brown	0 - 20	25	B	3	ROCKY	
KW40+00N 01+25	LJ	7/20/2010	353796	6942865.625	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW40+00N 01+50E	AH	7/21/2010	354067.5	6942847	grey	brown	0 - 20	25	B	3	ROCKY	
KW40+00N 01+50	LJ	7/20/2010	353757	6942868.75	brown	grey	0 - 20	35	TILL	3	ROCKY	ASH
KW40+00N 01+75E	AH	7/21/2010	354092.75	6942846.5	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW40+00N 01+75	LJ	7/20/2010	353742	6942871.875	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW40+00N 02+00E	AH	7/21/2010	354118	6942846	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW40+00N 02+00	LJ	7/20/2010	353713	6942875	dark	grey	0 - 20	35	TILL	3	LINE_END	ROCKY
KW40+00N 02+25E	AH	7/21/2010	354142.125	6942844.25	grey		0 - 20	25	A	1	ORGANIC	
KW40+00N 02+50E	AH	7/21/2010	354166.25	6942842.5	grey		0 - 20	25	B	4		
KW40+00N 02+75E	AH	7/21/2010	354190.375	6942840.75	brown		0 - 20	25	B	4		
KW40+00N 03+00E	AH	7/21/2010	354214.5	6942839	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW40+00N 03+25E	AH	7/21/2010	354238.625	6942837.25	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW40+00N 03+50E	AH	7/21/2010	354262.75	6942835.5	grey	brown	0 - 20	35	TILL	2	ROCKY	
KW40+00N 03+75E	AH	7/21/2010	354286.875	6942833.75	grey	brown	0 - 20	35	TILL	2	ROCKY	
KW40+00N 04+00E	AH	7/21/2010	354311	6942832	grey	brown	0 - 20	15	TILL	2	ROCKY	
KW40+00N 04+25E	AH	7/21/2010	354337.25	6942830.375	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW40+00N 04+50E	AH	7/21/2010	354363.5	6942828.75	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW40+00N 04+75E	AH	7/21/2010	354389.75	6942827.125	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW40+00N 05+00E	AH	7/21/2010	354416	6942825.5	brown	grey	0 - 20	35	B	3	ROCKY	
KW40+00N 05+25E	AH	7/21/2010	354442.25	6942823.875	brown	grey	0 - 20	25	B	3	ROCKY	
KW40+00N 05+50E	AH	7/21/2010	354468.5	6942822.25	brown	grey	0 - 20	25	B	3	ROCKY	
KW40+00N 05+75E	AH	7/21/2010	354494.75	6942820.625								

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW40+00N 06+00E	AH	7/21/2010	354521	6942819								
KW40+00N 06+25E	AH	7/21/2010	354546.5	6942817.4375	grey		0 - 20	45	TILL	2	ROCKY	
KW40+00N 06+50E	AH	7/21/2010	354572	6942815.875	grey		0 - 20	45	TILL	2	ROCKY	
KW40+00N 06+75E	AH	7/21/2010	354597.5	6942814.3125	black	grey	0 - 20	45	TILL	2	ROCKY	
KW40+00N 07+00E	AH	7/21/2010	354623	6942812.75	black	grey	0 - 20	45	A	2	ORGANIC	
KW40+00N 07+25E	AH	7/21/2010	354648.5	6942811.1875	grey		0 - 20	25	TILL	3	ROCKY	
KW40+00N 07+50E	AH	7/21/2010	354674	6942809.625	brown	grey	0 - 20	25	B	4	ROCKY	
KW40+00N 07+75E	AH	7/21/2010	354699.5	6942808.0625	grey	brown	0 - 20	45	TILL	3	ROCKY	
KW40+00N 08+00E	AH	7/21/2010	354725	6942806.5	grey	brown	0 - 20	45	TILL	3	ROCKY	
KW40+00N 08+25E	AH	7/21/2010	354750.5	6942804.9375	grey	brown	0 - 20	45	TILL	1	ROCKY	
KW40+00N 08+50E	AH	7/21/2010	354776	6942803.375	brown	grey	0 - 20	25	B	4	ROCKY	
KW40+00N 08+75E	AH	7/21/2010	354801.5	6942801.8125	brown	grey	0 - 20	25	B	4		
KW40+00N 09+00E	AH	7/21/2010	354827	6942800.25	brown	grey	0 - 20	15	B	4	ROCKY	
KW40+00N 09+25E	AH	7/21/2010	354852.5	6942798.6875	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW40+00N 09+50E	AH	7/21/2010	354878	6942797.125	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW40+00N 09+75E	AH	7/21/2010	354903.5	6942795.5625	brown	light	0 - 20	25	B	4	ROCKY	
KW40+00N 10+00E	AH	7/21/2010	354929	6942794	brown	light	0 - 20	15	B	4		
KW40+00N 10+25E	AH	7/21/2010	354954.375	6942792.625	brown	light	0 - 20	25	B	4		
KW40+00N 10+50E	AH	7/21/2010	354979.75	6942791.25	brown	grey	0 - 20	25	B	4		
KW40+00N 10+75E	AH	7/21/2010	355005.125	6942789.875	brown	grey	0 - 20	15	B	4	ROCKY	
KW40+00N 11+00E	AH	7/21/2010	355030.5	6942788.5	brown	grey	0 - 20	15	B	4	ROCKY	
KW40+00N 11+25E	AH	7/21/2010	355055.875	6942787.125	brown	grey	0 - 20	25	B	4		
KW40+00N 11+50E	AH	7/21/2010	355081.25	6942785.75	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW40+00N 11+75E	AH	7/21/2010	355106.625	6942784.375	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW40+00N 12+00E	AH	7/21/2010	355132	6942783	grey	brown	0 - 20	45	TILL	3	ROCKY	
KW41+00N 00+00	LJ	7/20/2010	353922	6942950	brown	orange	0 - 20	25	B	4	LINE_START	ROCKY
KW41+00N 00+25E	ET	7/21/2010	353947.75	6942948	grey	dark	0 - 20	25	B	3	ROCKY	
KW41+00N 00+25	LJ	7/20/2010	353898.7	6942951.3	brown	orange	0 - 20	25	B	4		
KW41+00N 00+50E	ET	7/21/2010	353973.5	6942946	grey	dark	0 - 20	25	TILL	2	ROCKY	
KW41+00N 00+50	LJ	7/20/2010	353875.4	6942952.6	brown	orange	0 - 20	25	B	3	ROCKY	
KW41+00N 00+75E	ET	7/21/2010	353999.25	6942944	grey	dark	0 - 20	25	TILL	2	ROCKY	
KW41+00N 00+75	LJ	7/20/2010	353852.1	6942953.9	beige		0 - 20	25	B	4	ROCKY	
KW41+00N 01+00E	ET	7/21/2010	354025	6942942	grey	dark	0 - 20	25	TILL	2	ROCKY	
KW41+00N 01+00	LJ	7/20/2010	353828.8	6942955.2	beige	dark	0 - 20	25	TILL	3	ROCKY	
KW41+00N 01+25E	ET	7/21/2010	354050.75	6942940	grey	dark	0 - 20	35	TILL	2		
KW41+00N 01+25	LJ	7/20/2010	353805.5	6942956.5	beige	dark	0 - 20	25	TILL	3	PERMAFROST	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW41+00N 01+50E	ET	7/21/2010	354076.5	6942938	grey	dark	0 - 20	35	TILL	1	PERMAFROST	ORGANIC
KW41+00N 01+50	LJ	7/20/2010	353782.2	6942957.8	beige	dark	0 - 20	25	TILL	3	PERMAFROST	
KW41+00N 01+75E	ET	7/21/2010	354102.25	6942936	grey	dark	0 - 20	35	B	2	ROCKY	ORGANIC
KW41+00N 01+75	LJ	7/20/2010	353758.9	6942959.1	beige	dark	0 - 20	25	TILL	3	PERMAFROST	
KW41+00N 02+00E	ET	7/21/2010	354128	6942934	grey	dark	0 - 20	35	B	3	ROCKY	
KW41+00N 02+00	LJ	7/20/2010	353735.6	6942960.4	beige	dark	0 - 20	25	TILL	2	ORGANIC	ROCKY
KW41+00N 02+25E	ET	7/21/2010	354153.25	6942932.5	brown	beige	0 - 20	35	B	3	ROCKY	
KW41+00N 02+25	LJ	7/20/2010	353712.3	6942961.7	beige	dark	0 - 20	25	TILL	2	PERMAFROST	ROCKY
KW41+00N 02+50E	ET	7/21/2010	354178.5	6942931	brown	beige	0 - 20	35	B	3	ROCKY	
KW41+00N 02+50	LJ	7/20/2010	353689	6942963	dark	grey	0 - 20	35	TILL	2	LINE_END	ROCKY
KW41+00N 02+75E	ET	7/21/2010	354203.75	6942929.5	brown		0 - 20	35	B	3		
KW41+00N 03+00E	ET	7/21/2010	354229	6942928	brown		0 - 20	35	B	4		
KW41+00N 03+25E	ET	7/21/2010	354254.25	6942926.5	brown		0 - 20	25	B	4		
KW41+00N 03+50E	ET	7/21/2010	354279.5	6942925	brown	white	0 - 20	25	B	4		
KW41+00N 03+75E	ET	7/21/2010	354304.75	6942923.5	brown	white	0 - 20	25	B	4		
KW41+00N 04+00E	ET	7/21/2010	354330	6942922	brown	orange	0 - 20	25	B	4	ROCKY	
KW41+00N 04+25E	ET	7/21/2010	354356.375	6942925	brown	orange	0 - 20	25	B	4		
KW41+00N 04+50E	ET	7/21/2010	354382.75	6942928	brown	orange	0 - 20	25	B	4		
KW41+00N 04+75E	ET	7/21/2010	354409.125	6942931	grey	dark	0 - 20	35	TILL	2	ROCKY	
KW41+00N 05+00E	ET	7/21/2010	354435.5	6942934	brown	light	0 - 20	35	TILL	2	ROCKY	
KW41+00N 05+25E	ET	7/21/2010	354461.875	6942937	brown	light	0 - 20	35	TILL	3	ROCKY	
KW41+00N 05+50E	ET	7/21/2010	354488.25	6942940	grey	brown	0 - 20	35	TILL	2		
KW41+00N 05+75E	ET	7/21/2010	354514.625	6942943	brown	grey	0 - 20	35	TILL	2		
KW41+00N 06+00E	ET	7/21/2010	354541	6942946	grey	dark	0 - 20	35	TILL	2		
KW41+00N 06+25E	ET	7/21/2010	354565.5	6942940.5	grey	dark	0 - 20	35	TILL	2		
KW41+00N 06+50E	ET	7/21/2010	354590	6942935	grey	dark	0 - 20	35	TILL	2		
KW41+00N 06+75E	ET	7/21/2010	354614.5	6942929.5	grey	dark	0 - 20	35	TILL	3	ROCKY	
KW41+00N 07+00E	ET	7/21/2010	354639	6942924	grey	dark	0 - 20	35	TILL	3	ROCKY	
KW41+00N 07+25E	ET	7/21/2010	354663.5	6942918.5	brown	tan	0 - 20	35	TILL	1	ROCKY	
KW41+00N 07+50E	ET	7/21/2010	354688	6942913	brown	tan	0 - 20	35	TILL	3	ROCKY	
KW41+00N 07+75E	ET	7/21/2010	354712.5	6942907.5	brown	tan	0 - 20	35	TILL	3	ROCKY	
KW41+00N 08+00E	ET	7/21/2010	354737	6942902	brown	tan	0 - 20	35	TILL	3	ROCKY	
KW41+00N 08+25E	ET	7/21/2010	354763.375	6942900.875	brown	tan	0 - 20	35	TILL	3	ROCKY	
KW41+00N 08+50E	ET	7/21/2010	354789.75	6942899.75	brown	tan	0 - 20	35	TILL	3	ROCKY	
KW41+00N 08+75E	ET	7/21/2010	354816.125	6942898.625	brown	tan	0 - 20	35	TILL	3	ROCKY	
KW41+00N 09+00E	ET	7/21/2010	354842.5	6942897.5	brown	tan	0 - 20	35	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW41+00N 09+25E	ET	7/21/2010	354895.25	6942895.25	brown	tan	0 - 20	35	B	4		
KW41+00N 09+50E	ET	7/21/2010	354921.625	6942894.125	brown	tan	0 - 20	35	TILL	3		
KW41+00N 09+75E	ET	7/21/2010	354948	6942893	brown		0 - 20	75	TILL	1		
KW41+00N 10+00E	ET	7/21/2010	354973.25	6942891.5	brown		0 - 20	35	TILL	3		
KW41+00N 10+25E	ET	7/21/2010	354998.5	6942890	brown		0 - 20	35	TILL	3		
KW41+00N 10+50E	ET	7/21/2010	355023.75	6942888.5	brown		0 - 20	35	TILL	4		
KW41+00N 10+75E	ET	7/21/2010	355049	6942887	brown		0 - 20	35	TILL	3		
KW41+00N 11+00E	ET	7/21/2010	355074.25	6942885.5	grey	brown	0 - 20	35	TILL	3		
KW41+00N 11+25E	ET	7/21/2010	355099.5	6942884	grey	brown	0 - 20	25	TILL	3		
KW41+00N 11+50E	ET	7/21/2010	355124.75	6942882.5	brown	grey	0 - 20	25	TILL	3		
KW41+00N 11+75E	ET	7/21/2010	355150	6942881	brown	grey	0 - 20	25	TILL	2	ROCKY	ASH
KW41+00N 12+00E	ET	7/21/2010	354868.875	6942896.375	brown	grey	0 - 20	15	TILL	2	LINE_END	ASH
KW42+00N 00+00	LJ	7/20/2010	353938.07364	6943052.755725	grey		0 - 20	25	TILL	4	LINE_START	ROCKY
KW42+00N 00+25E	BK	7/20/2010	353963.06312	6943048.647764	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW42+00N 00+25	LJ	7/20/2010	353915.31444	6943053.786259	grey		0 - 20	25	TILL	4	ROCKY	
KW42+00N 00+50E	BK	7/20/2010	353988.05260	6943044.539804								
KW42+00N 00+50	LJ	7/20/2010	353892.55523	6943054.816794	grey		0 - 20	45	B	4		
KW42+00N 00+75E	BK	7/20/2010	354013.04208	6943040.431843								
KW42+00N 00+75	LJ	7/20/2010	353869.79603	6943055.847328	brown	grey	0 - 20	35	B	3	ROCKY	
KW42+00N 01+00E	BK	7/20/2010	354038.03156	6943036.323882	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW42+00N 01+00	LJ	7/20/2010	353847.03682	6943056.877863	dark	grey	0 - 20	35	TILL	3	ROCKY	
KW42+00N 01+25E	BK	7/20/2010	354063.02104	6943032.215921	grey	brown	0 - 20	15	TILL	3	ROCKY	
KW42+00N 01+25	LJ	7/20/2010	353824.27762	6943057.908397	dark	grey	0 - 20	35	A	1	ORGANIC	
KW42+00N 01+50E	BK	7/20/2010	354088.01052	6943028.107961	orange	brown	0 - 20	15	B	3		
KW42+00N 01+50	LJ	7/20/2010	353801.51841	6943058.938931	dark	grey	0 - 20	35	TILL	3	ORGANIC	
KW42+00N 01+75E	BK	7/20/2010	354113	6943024	orange	brown	0 - 20	15	B	4		
KW42+00N 01+75	LJ	7/20/2010	353778.75921	6943059.969466	grey		0 - 20	25	TILL	3	PERMAFROST	
KW42+00N 02+00E	BK	7/20/2010	354139.33333	6943023.777778	orange	brown	0 - 20	15	C	3	ROCKY	
KW42+00N 02+00	LJ	7/20/2010	353756	6943061	grey		0 - 20	25	TILL	3	ORGANIC	
KW42+00N 02+25E	BK	7/20/2010	354165.66667	6943023.555556	orange	brown	0 - 20	15	C	3	ROCKY	
KW42+00N 02+25	LJ	7/20/2010	353729.5	6943061	grey		0 - 20	25	TILL	4	ORGANIC	
KW42+00N 02+50E	BK	7/20/2010	354192	6943023.333333	orange	brown	0 - 20	15	B	4		
KW42+00N 02+50	LJ	7/20/2010	353703	6943061	grey		0 - 20	25	TILL	4	PERMAFROST	
KW42+00N 02+75E	BK	7/20/2010	354218.33333	6943023.111111	orange	brown	0 - 20	15	B	3		
KW42+00N 02+75	LJ	7/20/2010	353676.5	6943061	grey		0 - 20	25	TILL	4	CROSSED_CREEK	
KW42+00N 03+00E	BK	7/20/2010	354244.66667	6943022.888889	orange	brown	0 - 20	15	B	4		

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW42+00N 03+00	LJ	7/20/2010	353650	6943061	grey		0 - 20	25	TILL	4		
KW42+00N 03+25E	BK	7/20/2010	354271	6943022.666667	grey	brown	0 - 20	15	TILL	3		
KW42+00N 03+25	LJ	7/20/2010	353623.5	6943061	dark	grey	0 - 20	35	A	4	ORGANIC	
KW42+00N 03+50E	BK	7/20/2010	354297.33333	6943022.444444	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW42+00N 03+50	LJ	7/20/2010	353597	6943061	grey		0 - 20	35	TILL	3	LINE_END	ROCKY
KW42+00N 03+75E	BK	7/20/2010	354323.66667	6943022.222222	brown	grey	0 - 20	15	TILL	2	ROCKY	
KW42+00N 04+00E	BK	7/20/2010	354350	6943022	brown	orange	0 - 20	15	B	4	ROCKY	
KW42+00N 04+25E	BK	7/20/2010	354375.625	6943021.375	brown	beige	0 - 20	15	B	4	ROCKY	
KW42+00N 04+50E	BK	7/20/2010	354401.25	6943020.75	brown	beige	0 - 20	15	TILL	2	ROCKY	
KW42+00N 04+75E	BK	7/20/2010	354426.875	6943020.125	brown	beige	0 - 20	15	TILL	1	ROCKY	
KW42+00N 05+00E	BK	7/20/2010	354452.5	6943019.5	brown	beige	0 - 20	15	B	2	ROCKY	
KW42+00N 05+25E	BK	7/20/2010	354478.125	6943018.875	brown	orange	0 - 20	15	B	3		
KW42+00N 05+50E	BK	7/20/2010	354503.75	6943018.25	brown	orange	0 - 20	25	B	3	ROCKY	
KW42+00N 05+75E	BK	7/20/2010	354529.375	6943017.625	brown	orange	0 - 20	25	B	4	ORGANIC	
KW42+00N 06+00E	BK	7/20/2010	354555	6943017	brown	orange	0 - 20	25	B	2	ROCKY	
KW42+00N 06+25E	BK	7/20/2010	354579.875	6943015	brown	grey	0 - 20	25	A	1	ORGANIC	
KW42+00N 06+50E	BK	7/20/2010	354604.75	6943013	brown	grey	0 - 20	25	A	1	ORGANIC	
KW42+00N 06+75E	BK	7/20/2010	354629.625	6943011								
KW42+00N 07+00E	BK	7/20/2010	354654.5	6943009								
KW42+00N 07+25E	BK	7/20/2010	354679.375	6943007								
KW42+00N 07+50E	BK	7/20/2010	354704.25	6943005	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 07+75E	BK	7/20/2010	354729.125	6943003	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 08+00E	BK	7/20/2010	354754	6943001	brown	tan	0 - 20	25	B	3	ROCKY	
KW42+00N 08+25E	BK	7/20/2010	354779.125	6943000.625	brown	tan	0 - 20	25	B	3	ROCKY	
KW42+00N 08+50E	BK	7/20/2010	354804.25	6943000.25	brown	orange	0 - 20	25	B	4		
KW42+00N 08+75E	BK	7/20/2010	354829.375	6942999.875	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 09+00E	BK	7/20/2010	354854.5	6942999.5	brown	grey	0 - 20	25	B	3	ROCKY	
KW42+00N 09+25E	BK	7/20/2010	354879.625	6942999.125	brown	grey	0 - 20	25	B	3	ROCKY	
KW42+00N 09+50E	BK	7/20/2010	354904.75	6942998.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 09+75E	BK	7/20/2010	354929.875	6942998.375	brown	grey	0 - 20	25	B	3	ROCKY	
KW42+00N 10+00E	BK	7/20/2010	354955	6942998	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 10+25E	BK	7/20/2010	354979.75	6942996	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 10+50E	BK	7/20/2010	355004.5	6942994	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 10+75E	BK	7/20/2010	355029.25	6942992	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 11+00E	BK	7/20/2010	355054	6942990	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 11+25E	BK	7/20/2010	355078.75	6942988	brown	grey	0 - 20	25	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW42+00N 11+50E	BK	7/20/2010	355103.5	6942986	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 11+75E	BK	7/20/2010	355128.25	6942984	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW42+00N 12+00E	BK	7/20/2010	355153	6942982	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW43+00N 00+00	LJ	7/19/2010	353925	6943144	brown	grey	0 - 20	15	TILL	2	LINE_START	ROCKY
KW43+00N 00+25E	LJ	7/19/2010	353950.375	6943144	brown	grey	0 - 20	15	TILL	2	ROCKY	
KW43+00N 00+25	LJ	7/20/2010	353901.0625	6943144.9375	brown	grey	0 - 20	15	TILL	2	LINE_START	PERMAFROST
KW43+00N 00+50E	LJ	7/19/2010	353975.75	6943144	brown	grey	0 - 20	15	TILL	2	ROCKY	
KW43+00N 00+50	LJ	7/20/2010	353877.125	6943145.875	grey		0 - 20	35	A	3	ORGANIC	
KW43+00N 00+75E	LJ	7/19/2010	354001.125	6943144	brown	grey	0 - 20	15	TILL	2	ROCKY	ORGANIC
KW43+00N 00+75	LJ	7/20/2010	353853.1875	6943146.8125	grey	brown	0 - 20	35	B	4	ORGANIC	
KW43+00N 01+00E	LJ	7/19/2010	354026.5	6943144	brown	grey	0 - 20	15	TILL	2	ROCKY	ORGANIC
KW43+00N 01+00	LJ	7/20/2010	353829.25	6943147.75	grey	brown	0 - 20	45	TILL	3	ORGANIC	ROCKY
KW43+00N 01+25E	LJ	7/19/2010	354051.875	6943144	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW43+00N 01+25	LJ	7/20/2010	353805.3125	6943148.6875	grey	brown	0 - 20	45	TILL	3	ORGANIC	ROCKY
KW43+00N 01+50E	LJ	7/19/2010	354077.25	6943144	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW43+00N 01+50	LJ	7/20/2010	353781.375	6943149.625	grey	brown	0 - 20	45	TILL	3	ORGANIC	ROCKY
KW43+00N 01+75E	LJ	7/19/2010	354102.625	6943144	brown	grey	0 - 20	15	TILL	3	ROCKY	ORGANIC
KW43+00N 01+75	LJ	7/20/2010	353757.4375	6943150.5625	grey	brown	0 - 20	35	TILL	3	ORGANIC	ROCKY
KW43+00N 02+00E	LJ	7/19/2010	354128	6943144	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW43+00N 02+00	ET	7/19/2010	353733.5	6943151.5	grey	brown	20 - 40	25	TILL	3	ROCKY	
KW43+00N 02+25E	LJ	7/19/2010	354154.25	6943141.875	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW43+00N 02+25	ET	7/19/2010	353709.5625	6943152.4375	grey	brown	20 - 40	25	TILL	3	ROCKY	
KW43+00N 02+50E	LJ	7/19/2010	354180.5	6943139.75	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW43+00N 02+50	ET	7/19/2010	353685.625	6943153.375	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW43+00N 02+75E	LJ	7/19/2010	354206.75	6943137.625	brown	grey	0 - 20	15	TILL	3	ROCKY	
KW43+00N 02+75	ET	7/19/2010	353661.6875	6943154.3125	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW43+00N 03+00E	LJ	7/19/2010	354233	6943135.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW43+00N 03+00	ET	7/19/2010	353637.75	6943155.25	grey	brown	0 - 20	35	TILL	3		
KW43+00N 03+25E	LJ	7/19/2010	354259.25	6943133.375	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW43+00N 03+25	ET	7/19/2010	353613.8125	6943156.1875	grey	dark	0 - 20	35	A	2		
KW43+00N 03+50E	LJ	7/19/2010	354285.5	6943131.25	grey	dark	0 - 20	25	A	2	ORGANIC	
KW43+00N 03+50	ET	7/19/2010	353589.875	6943157.125	grey	brown	0 - 20	35	TILL	2		
KW43+00N 03+75E	LJ	7/19/2010	354311.05682	6943131	black	grey	0 - 20	25	A	1	ORGANIC	ASH
KW43+00N 03+75	ET	7/19/2010	353565.9375	6943158.0625	grey	brown	0 - 20	35	TILL	2		
KW43+00N 04+00E	LJ	7/19/2010	354336.61364	6943130.75	grey		0 - 20	35	TILL	4	ROCKY	
KW43+00N 04+00	ET	7/19/2010	353542	6943159	grey	brown	0 - 20	25	TILL	2	LINE_END	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW43+00N 04+25E	LJ	7/19/2010	354362.17045	6943130.5	brown	orange	0 - 20	35	B	4	ROCKY	
KW43+00N 04+50E	LJ	7/19/2010	354387.72727	6943130.25	grey		0 - 20	45	TILL	2	ORGANIC	PERMAFROST
KW43+00N 04+75E	LJ	7/19/2010	354413.28409	6943130	grey		0 - 20	45	TILL	2	ORGANIC	PERMAFROST
KW43+00N 05+00E	LJ	7/19/2010	354438.84091	6943129.75	grey		0 - 20	45	TILL	2	ORGANIC	PERMAFROST
KW43+00N 05+25E	LJ	7/19/2010	354464.39773	6943129.5	grey		0 - 20	45	TILL	2	ORGANIC	PERMAFROST
KW43+00N 05+50E	LJ	7/19/2010	354489.95455	6943129.25	grey		0 - 20	45	TILL	2	ORGANIC	PERMAFROST
KW43+00N 05+75E	LJ	7/19/2010	354515.51136	6943129	brown	grey	0 - 20	35	B	4	PERMAFROST	
KW43+00N 06+00E	LJ	7/19/2010	354541.06818	6943128.75	brown	grey	0 - 20	35	B	4	ROCKY	
KW43+00N 06+25E	LJ	7/19/2010	354566.625	6943128.5	brown	grey	0 - 20	35	TILL	2	ROCKY	
KW43+00N 06+50E	LJ	7/19/2010	354592.25	6943130	brown	grey	0 - 20	35	TILL	4	ROCKY	
KW43+00N 06+75E	LJ	7/19/2010	354617.875	6943131.5	brown		0 - 20	35	TILL	3	ROCKY	
KW43+00N 07+00E	LJ	7/19/2010	354643.5	6943133	dark	brown	0 - 20	35	TILL	3	ROCKY	ORGANIC
KW43+00N 07+25E	LJ	7/19/2010	354669.125	6943134.5	brown		0 - 20	45	TILL	3	ROCKY	
KW43+00N 07+50E	LJ	7/19/2010	354694.75	6943136	brown	light	0 - 20	45	TILL	3	ROCKY	
KW43+00N 07+75E	LJ	7/19/2010	354720.375	6943137.5	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW43+00N 08+00E	LJ	7/19/2010	354746	6943139	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW43+00N 08+25E	LJ	7/19/2010	354772	6943135.375	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW43+00N 08+50E	LJ	7/19/2010	354798	6943131.75	brown	grey	0 - 20	35	TILL	2	ORGANIC	PERMAFROST
KW43+00N 08+75E	LJ	7/19/2010	354824	6943128.125	brown	grey	0 - 20	35	TILL	2	ROCKY	PERMAFROST
KW43+00N 09+00E	LJ	7/19/2010	354850	6943124.5	brown	grey	0 - 20	35	TILL	1	ROCKY	ORGANIC
KW43+00N 09+25E	LJ	7/19/2010	354876	6943120.875	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW43+00N 09+50E	LJ	7/19/2010	354902	6943117.25	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW43+00N 09+75E	LJ	7/19/2010	354928	6943113.625	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW43+00N 10+00E	LJ	7/19/2010	354954	6943110	brown		0 - 20	25	TILL	3	ROCKY	
KW43+00N 10+25E	LJ	7/19/2010	354980.125	6943108.375	brown	orange	0 - 20	25	TILL	3	ROCKY	
KW43+00N 10+50E	LJ	7/19/2010	355006.25	6943106.75	brown	orange	0 - 20	25	C	2	ROCKY	
KW43+00N 10+75E	LJ	7/19/2010	355032.375	6943105.125	brown	orange	0 - 20	25	TILL	3	ROCKY	
KW43+00N 11+00E	LJ	7/19/2010	355058.5	6943103.5	brown	orange	0 - 20	25	TILL	4	ROCKY	
KW43+00N 11+25E	LJ	7/19/2010	355084.625	6943101.875	brown	orange	0 - 20	25	B	4	ROCKY	
KW43+00N 11+50E	LJ	7/19/2010	355110.75	6943100.25	brown	orange	0 - 20	25	B	3	ROCKY	
KW43+00N 11+75E	LJ	7/19/2010	355136.875	6943098.625	brown	grey	0 - 20	35	TILL	3	PERMAFROST	ORGANIC
KW43+00N 12+00E	LJ	7/19/2010	355163	6943097	brown	grey	0 - 20	35	TILL	3	LINE_END	ORGANIC
KW43+50N 03+75E	AH	7/27/2010	354085	6943190	brown	grey	0 - 20	35	B	4	ROCKY	LINE_START
KW43+50N 04+00E	AH	7/27/2010	354110.11111	6943189.666667	brown		0 - 20	35	B	4		
KW43+50N 04+25E	AH	7/27/2010	354135.22222	6943189.333333	brown		0 - 20	25	B	4		
KW43+50N 04+50E	AH	7/27/2010	354160.33333	6943189	brown		0 - 20	25	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW43+50N 04+75E	AH	7/27/2010	354185.44444	6943188.666667	grey	black	0 - 20	35	B	3	ROCKY	
KW43+50N 05+00E	AH	7/27/2010	354210.55556	6943188.333333	grey		0 - 20	35	B	3	ROCKY	
KW43+50N 05+10E	AH	7/27/2010	354220.6	6943188.2	grey		0 - 20	35	B	3	ROCKY	
KW43+50N 05+20E	AH	7/27/2010	354230.64444	6943188.066667	grey		0 - 20	35	B	3	ROCKY	
KW43+50N 05+30E	AH	7/27/2010	354240.68889	6943187.933333	brown		0 - 20	45	B	3	ROCKY	
KW43+50N 05+40E	AH	7/27/2010	354250.73333	6943187.8	grey	brown	0 - 20	25	B	3		
KW43+50N 05+50E	AH	7/27/2010	354260.77778	6943187.666667	grey	brown	0 - 20	25	B	3		
KW43+50N 05+75E	AH	7/27/2010	354285.88889	6943187.333333	grey	brown	0 - 20	35	B	3		
KW43+50N 06+00E	AH	7/27/2010	354311	6943187	grey	brown	0 - 20	35	B	3	LINE_END	
KW44+00N 00+00	ET	7/19/2010	353710	6943280	grey	brown	20 - 40	35	TILL	2	ROCKY	
KW44+00N 00+25E	ET	7/19/2010	353735.77778	6943277	grey	brown	0 - 20	35	TILL	2	ROCKY	
KW44+00N 00+25	ET	7/19/2010	353684.4	6943285.7	grey	brown	0 - 20	25	TILL	2	ROCKY	
KW44+00N 00+50E	ET	7/19/2010	353761.55556	6943274	grey	brown	0 - 20	35	TILL	2	ROCKY	
KW44+00N 00+50	ET	7/19/2010	353658.8	6943291.4	grey	brown	0 - 20	25	TILL	2	ROCKY	
KW44+00N 00+75E	ET	7/19/2010	353787.33333	6943271	grey	brown	0 - 20	35	TILL	2	ROCKY	
KW44+00N 00+75	ET	7/19/2010	353633.2	6943297.1	grey	brown	0 - 20	25	TILL	2	ROCKY	
KW44+00N 01+00E	ET	7/19/2010	353813.11111	6943268	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW44+00N 01+00	ET	7/19/2010	353607.6	6943302.8	grey	brown	0 - 20	25	TILL	1	PERMAFROST	
KW44+00N 01+25E	ET	7/19/2010	353838.88889	6943265	grey	brown	0 - 20	35	TILL	3		
KW44+00N 01+25	ET	7/19/2010	353582	6943308.5	grey	brown	0 - 20	25	TILL	2		
KW44+00N 01+50E	ET	7/19/2010	353864.66667	6943262	grey	brown	0 - 20	35	B	3	ROCKY	
KW44+00N 01+50	ET	7/19/2010	353556.4	6943314.2	grey	brown	20 - 40	25	TILL	2		
KW44+00N 01+75E	ET	7/19/2010	353890.44444	6943259								
KW44+00N 01+75	ET	7/19/2010	353530.8	6943319.9	grey	brown	20 - 40	25	TILL	2		
KW44+00N 02+00E	ET	7/19/2010	353916.22222	6943256								
KW44+00N 02+00	ET	7/19/2010	353505.2	6943325.6	grey	brown	0 - 20	25	TILL	2		
KW44+00N 02+25E	ET	7/19/2010	353942	6943253								
KW44+00N 02+25	ET	7/19/2010	353479.6	6943331.3	grey	brown	20 - 40	25	TILL	2		
KW44+00N 02+50	ET	7/19/2010	353454	6943337	grey	brown	20 - 40	25	TILL	2	LINE_END	
KW44+00N 08+00E	LJ	7/18/2010	354518	6943219	brown	orange	0 - 20	15	B	4	LINE_START	
KW44+00N 08+25E	LJ	7/18/2010	354544.875	6943214.375	brown	grey	0 - 20	35	TILL	2	ROCKY	ORGANIC
KW44+00N 08+50E	LJ	7/18/2010	354571.75	6943209.75	brown	grey	0 - 20	35	TILL	3	ROCKY	5M PAST
KW44+00N 08+75E	LJ	7/18/2010	354598.625	6943205.125	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 09+00E	LJ	7/18/2010	354625.5	6943200.5	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 09+25E	LJ	7/18/2010	354652.375	6943195.875	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 09+50E	LJ	7/18/2010	354679.25	6943191.25	brown	grey	0 - 20	35	TILL	3	ORGANIC	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW44+00N 09+75E	LJ	7/18/2010	354706.125	6943186.625	brown	grey	0 - 20	35	TILL	3	ORGANIC	
KW44+00N 10+00E	LJ	7/18/2010	354733	6943182	brown	grey	0 - 20	35	TILL	3	ORGANIC	
KW44+00N 10+25E	LJ	7/18/2010	354759.125	6943180.625	brown	grey	0 - 20	35	TILL	3	PERMAFROST	
KW44+00N 10+50E	LJ	7/18/2010	354785.25	6943179.25	brown	grey	0 - 20	35	TILL	3	ORGANIC	
KW44+00N 10+75E	LJ	7/18/2010	354811.375	6943177.875	brown	grey	0 - 20	35	TILL	3	ORGANIC	
KW44+00N 11+00E	LJ	7/18/2010	354837.5	6943176.5	brown	grey	0 - 20	35	TILL	3	ORGANIC	
KW44+00N 11+25E	LJ	7/18/2010	354863.625	6943175.125	brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 11+50E	LJ	7/18/2010	354889.75	6943173.75	brown	orange	0 - 20	35	B	4	ROCKY	
KW44+00N 11+75E	LJ	7/18/2010	354915.875	6943172.375	brown	orange	0 - 20	35	B	4	ROCKY	
KW44+00N 12+00E	LJ	7/18/2010	354942	6943171	brown	orange	0 - 20	35	B	4	ROCKY	
KW44+00N 12+25E	LJ	7/19/2010	354971.875	6943170.375	Brown	orange	0 - 20	35	B	4	ROCKY	
KW44+00N 12+50E	LJ	7/19/2010	355001.75	6943169.75	Brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 12+75E	LJ	7/19/2010	355031.625	6943169.125	Brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 13+00E	LJ	7/19/2010	355061.5	6943168.5	Brown	grey	0 - 20	35	TILL	3	ROCKY	
KW44+00N 13+25E	LJ	7/19/2010	355091.375	6943167.875	dark	grey	0 - 20	35	TILL	3	ORGANIC	
KW44+00N 13+50E	LJ	7/19/2010	355121.25	6943167.25	dark	grey	0 - 20	35	TILL	3	PERMAFROST	
KW44+00N 13+75E	LJ	7/19/2010	355151.125	6943166.625	brown	orange	0 - 20	35	B	4	ROCKY	
KW44+00N 14+00E	LJ	7/19/2010	355181	6943166	brown	grey	0 - 20	35	TILL	4	LINE_END	10M PAST
KW45+00N 03+25E	AH	7/27/2010	354041	6943343	grey	brown	0 - 20	35	B	3	ROCKY	LINE_END
KW45+00N 03+50E	AH	7/27/2010	354061.5	6943345.5	brown	grey	0 - 20	35	B	3	ROCKY	
KW45+00N 03+75E	AH	7/27/2010	354082	6943348	grey	brown	0 - 20	35	B	3	ROCKY	
KW45+00N 04+00E	AH	7/27/2010	354109.4	6943346.2	grey	brown	0 - 20	35	B	3	ROCKY	
KW45+00N 04+25E	AH	7/27/2010	354136.8	6943344.4	grey	brown	0 - 20	35	B	3	ROCKY	
KW45+00N 04+50E	AH	7/27/2010	354164.2	6943342.6	grey	brown	0 - 20	35	B	3	ROCKY	
KW45+00N 04+75E	AH	7/27/2010	354191.6	6943340.8	grey		0 - 20	35	TILL	3	ROCKY	
KW45+00N 05+00E	AH	7/27/2010	354219	6943339	black	grey	0 - 20	45	B	3	ORGANIC	LINE_START
KW46+50N 00+00	AH	7/24/2010	353728	6943499	grey		20 - 40	25	TILL	2	ROCKY	
KW46+50N 00+25E	AH	7/24/2010	353753	6943498.4	grey		20 - 40	15	TILL	2	ROCKY	
KW46+50N 00+25	AH	7/24/2010	353703.875	6943502.625	grey		20 - 40	35	TILL	3	ROCKY	
KW46+50N 00+50E	AH	7/24/2010	353778	6943497.8	grey		20 - 40	45	TILL	1	CROSSED_CREEK	
KW46+50N 00+50	AH	7/24/2010	353679.75	6943506.25	grey		20 - 40	35	B	3	ORGANIC	
KW46+50N 00+75E	AH	7/24/2010	353803	6943497.2	grey		20 - 40	45	TILL	3	ROCKY	
KW46+50N 00+75	AH	7/24/2010	353655.625	6943509.875	grey		0 - 20	75	TILL	3	ROCKY	
KW46+50N 01+00E	AH	7/24/2010	353828	6943496.6	grey		20 - 40	35	TILL	3	ROCKY	
KW46+50N 01+00	AH	7/24/2010	353631.5	6943513.5	brown		0 - 20	35	B	4		
KW46+50N 01+25E	AH	7/24/2010	353853	6943496	grey		0 - 20	35	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW46+50N 01+25	AH	7/24/2010	353607.375	6943517.125	brown	dark	0 - 20	45	B	4		
KW46+50N 01+50	AH	7/24/2010	353583.25	6943520.75	brown	dark	0 - 20	45	B	4		
KW46+50N 01+75	AH	7/24/2010	353559.125	6943524.375	brown	dark	0 - 20	35	B	3	ROCKY	
KW46+50N 02+00	AH	7/24/2010	353535	6943528	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW46+50N 02+25E	ET	7/26/2010	353938	6943496	grey		0 - 20	25	TILL	2	ROCKY	LINE_START
KW46+50N 02+25	AH	7/24/2010	353509.375	6943528.875	grey	brown	0 - 20	35	TILL	1	PERMAFROST	
KW46+50N 02+50E	ET	7/26/2010	353964.42857	6943495	grey		0 - 20	25	TILL	2	ROCKY	
KW46+50N 02+50	AH	7/24/2010	353483.75	6943529.75								
KW46+50N 02+75E	ET	7/26/2010	353990.85714	6943494	brown		0 - 20	25	B	5		
KW46+50N 02+75	AH	7/24/2010	353458.125	6943530.625								
KW46+50N 03+00E	ET	7/26/2010	354017.28571	6943493	grey		0 - 20	25	TILL	2	ROCKY	
KW46+50N 03+00	AH	7/24/2010	353432.5	6943531.5	brown		0 - 20	25	C	4		
KW46+50N 03+25E	ET	7/26/2010	354043.71429	6943492	grey		0 - 20	25	TILL	2	ROCKY	
KW46+50N 03+25	AH	7/24/2010	353406.875	6943532.375								
KW46+50N 03+50E	ET	7/26/2010	354070.14286	6943491	brown	rusty	0 - 20	25	TILL	1	ROCKY	
KW46+50N 03+50	AH	7/24/2010	353381.25	6943533.25	grey		0 - 20	25	TILL	3	ROCKY	
KW46+50N 03+75E	ET	7/26/2010	354096.57143	6943490	brown		0 - 20	25	TILL	1	ROCKY	ORGANIC
KW46+50N 03+75	AH	7/24/2010	353355.625	6943534.125	brown	light	0 - 20	25	B	4	ROCKY	
KW46+50N 04+00E	ET	7/26/2010	354123	6943489	brown	light	0 - 20	25	B	2	ROCKY	ASH
KW46+50N 04+00	AH	7/24/2010	353330	6943535	brown	light	0 - 20	25	B	4	ROCKY	
KW46+50N 04+25E	ET	7/26/2010	354148.5	6943488.25	brown	light	0 - 20	25	B	2	ROCKY	
KW46+50N 04+25	AH	7/24/2010	353305	6943535	brown	light	20 - 40	25	C	4	ROCKY	
KW46+50N 04+50E	ET	7/26/2010	354174	6943487.5	brown	light	0 - 20	25	B	4	ROCKY	
KW46+50N 04+50	AH	7/24/2010	353280	6943535	grey	light	20 - 40	55	A	3	ORGANIC	LINE_END
KW46+50N 04+75E	ET	7/26/2010	354199.5	6943486.75	grey		0 - 20	25	A	2	ORGANIC	
KW46+50N 05+00E	ET	7/26/2010	354225	6943486	grey		0 - 20	25	A	2	LINE_END	
KW47+00N 01+00E	ET	7/26/2010	353839	6943549	grey		20 - 40	25	TILL	3	ROCKY	LINE_START
KW47+00N 01+25E	ET	7/26/2010	353860.25	6943550.5	grey		0 - 20	25	TILL	3		
KW47+00N 01+50E	ET	7/26/2010	353881.5	6943552	grey		20 - 40	25	TILL	3		
KW47+00N 01+50	AH	7/24/2010	353532	6943574	grey		0 - 20	45	B	3	LINE_END	
KW47+00N 01+75E	ET	7/26/2010	353902.75	6943553.5	grey		20 - 40	25	TILL	3		
KW47+00N 01+75	AH	7/24/2010	353504.5	6943574.5	brown		0 - 20	25	C	3	ROCKY	
KW47+00N 02+00E	ET	7/26/2010	353924	6943555	brown		20 - 40	25	TILL	3		
KW47+00N 02+00	AH	7/24/2010	353477	6943575	brown		0 - 20	25	C	2	ROCKY	SMALL_SAMPLE
KW47+00N 02+25E	ET	7/26/2010	353950.125	6943553.5	brown		20 - 40	25	TILL	3		
KW47+00N 02+25	AH	7/24/2010	353449.5	6943575.5	brown		0 - 20	25	C	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW47+00N 02+50E	ET	7/26/2010	353976.25	6943552	brown		20 - 40	25	TILL	2		
KW47+00N 02+50	AH	7/24/2010	353422	6943576	brown		0 - 20	25	C	1	ROCKY	
KW47+00N 02+75E	ET	7/26/2010	354002.375	6943550.5	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW47+00N 02+75	AH	7/24/2010	353399.77778	6943577.555556	brown		0 - 20	25	C	3	ROCKY	
KW47+00N 03+00E	ET	7/26/2010	354028.5	6943549	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW47+00N 03+00	AH	7/24/2010	353377.55556	6943579.111111	brown		20 - 40	25	C	3	ROCKY	
KW47+00N 03+25E	ET	7/26/2010	354054.625	6943547.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW47+00N 03+25	AH	7/24/2010	353355.33333	6943580.666667	grey	brown	20 - 40	25	C	3	ROCKY	
KW47+00N 03+50E	ET	7/26/2010	354080.75	6943546	brown	orange	0 - 20	25	TILL	4	ROCKY	
KW47+00N 03+50	AH	7/24/2010	353333.11111	6943582.222222	grey	brown	20 - 40	45	B	3		
KW47+00N 03+75E	ET	7/26/2010	354106.875	6943544.5	brown	orange	0 - 20	25	TILL	3	ROCKY	
KW47+00N 03+75	AH	7/24/2010	353310.88889	6943583.777778	brown		20 - 40	25	B	4	5M BEFORE	TALUS
KW47+00N 04+00E	ET	7/26/2010	354133	6943543	grey	dark	0 - 20	25	A	3	ROCKY	ORGANIC
KW47+00N 04+00	AH	7/24/2010	353288.66667	6943585.333333	brown	orange	0 - 20	25	B	4		
KW47+00N 04+25E	ET	7/26/2010	354157.25	6943541	grey	brown	0 - 20	25	TILL	3		
KW47+00N 04+25	AH	7/24/2010	353266.44444	6943586.888889	brown		0 - 20	25	C	4		
KW47+00N 04+50E	ET	7/26/2010	354181.5	6943539	grey	brown	0 - 20	25	TILL	3		
KW47+00N 04+50	AH	7/24/2010	353244.22222	6943588.444444								
KW47+00N 04+75E	ET	7/26/2010	354205.75	6943537	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW47+00N 04+75	AH	7/24/2010	353222	6943590	brown		0 - 20	25	B	4	LINE_START	
KW47+00N 05+00E	ET	7/26/2010	354230	6943535								
KW47+00N 05+25E	ET	7/26/2010	354254.25	6943533	grey	brown	0 - 20	25	TILL	3	ROCKY	
KW47+00N 05+50E	ET	7/26/2010	354278.5	6943531	grey	brown	0 - 20	25	TILL	2	ROCKY	ORGANIC
KW47+00N 05+75E	ET	7/26/2010	354302.75	6943529	grey	brown	0 - 20	25	TILL	2	ROCKY	ROCKY
KW47+00N 06+00E	ET	7/26/2010	354327	6943527	brown		0 - 20	25	B	3	ROCKY	
KW47+00N 06+25E	ET	7/26/2010	354353	6943526	grey		0 - 20	25	TILL	3	ROCKY	
KW47+00N 06+50E	ET	7/26/2010	354379	6943525	brown		0 - 20	25	TILL	2	ROCKY	
KW47+00N 06+75E	ET	7/26/2010	354405	6943524	brown		0 - 20	25	TILL	2	ROCKY	
KW47+00N 07+00E	ET	7/26/2010	354431	6943523	brown		0 - 20	25	TILL	3	ROCKY	
KW47+00N 07+25E	ET	7/26/2010	354457	6943522	brown		0 - 20	25	TILL	3	ROCKY	
KW47+00N 07+50E	ET	7/26/2010	354483	6943521	brown		0 - 20	25	TILL	3	ROCKY	
KW47+00N 07+75E	ET	7/26/2010	354509	6943520	brown		0 - 20	25	TILL	3	ROCKY	
KW47+00N 08+00E	ET	7/26/2010	354535	6943519	brown		0 - 20	25	TILL	3		
KW47+00N 08+25E	ET	7/26/2010	354561	6943518	brown		0 - 20	25	B	3	ROCKY	
KW47+00N 08+50E	ET	7/26/2010	354587	6943517	brown		0 - 20	25	B	3	ROCKY	LINE_END
KW47+50N 00+00	BK	7/26/2010	353731.56424	6943630.039824	Brown	light	0 - 20	15	B	3		

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW47+50N 00+25	BK	7/26/2010	353709.05139	6943628.631859	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW47+50N 00+50	BK	7/26/2010	353686.53854	6943627.223895	Brown	grey	0 - 20	15	B	4	ORGANIC	
KW47+50N 00+75	BK	7/26/2010	353664.02569	6943625.81593	Brown	grey	0 - 20	15	B	4	ORGANIC	
KW47+50N 01+00	BK	7/26/2010	353641.51285	6943624.407965	Brown	grey	0 - 20	15	B	4	ORGANIC	
KW47+50N 01+25	BK	7/26/2010	353619	6943623	Brown	grey	0 - 20	15	TILL	3	ORGANIC	
KW47+50N 01+50	BK	7/26/2010	353591.625	6943624.625	Brown	grey	0 - 20	15	TILL	2	ORGANIC	
KW47+50N 01+75	BK	7/26/2010	353564.25	6943626.25								
KW47+50N 02+00E	ET	7/26/2010	353927	6943602	brown		0 - 20	25	B	3	LINE_END	ROCKY
KW47+50N 02+00	BK	7/26/2010	353536.875	6943627.875								
KW47+50N 02+25E	ET	7/26/2010	353951.125	6943600.5	brown		0 - 20	25	B	3		ROCKY
KW47+50N 02+25	BK	7/26/2010	353509.5	6943629.5	Brown	grey	0 - 20	15	TILL	3	ORGANIC	
KW47+50N 02+50E	ET	7/26/2010	353975.25	6943599	brown		20 - 40	15	B	3		ROCKY
KW47+50N 02+50	BK	7/26/2010	353482.125	6943631.125								
KW47+50N 02+75E	ET	7/26/2010	353999.375	6943597.5	grey		20 - 40	15	TILL	3		ROCKY
KW47+50N 02+75	BK	7/26/2010	353454.75	6943632.75	Brown	grey	0 - 20	15	TILL	3	ORGANIC	
KW47+50N 03+00E	ET	7/26/2010	354023.5	6943596	grey		0 - 20	15	TILL	2		ORGANIC
KW47+50N 03+00	BK	7/26/2010	353427.375	6943634.375	Brown	grey	0 - 20	15	B	4	ROCKY	
KW47+50N 03+25E	ET	7/26/2010	354047.625	6943594.5	grey		0 - 20	45	TILL	2		ORGANIC
KW47+50N 03+25	BK	7/26/2010	353400	6943636	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW47+50N 03+50E	ET	7/26/2010	354071.75	6943593	grey		0 - 20	45	TILL	2		ORGANIC
KW47+50N 03+50	BK	7/26/2010	353375.875	6943636.625	Brown	orange	0 - 20	15	TILL	3	ROCKY	
KW47+50N 03+75E	ET	7/26/2010	354095.875	6943591.5	grey		0 - 20	25	TILL	3	ROCKY	
KW47+50N 03+75	BK	7/26/2010	353351.75	6943637.25	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW47+50N 04+00E	ET	7/26/2010	354120	6943590	grey		0 - 20	25	TILL	3	ROCKY	
KW47+50N 04+00	BK	7/26/2010	353327.625	6943637.875	Brown	grey	0 - 20	15	B	3	ORGANIC	
KW47+50N 04+25E	ET	7/26/2010	354145.375	6943589.375	grey		0 - 20	25	TILL	3	ROCKY	
KW47+50N 04+25	BK	7/26/2010	353303.5	6943638.5	Brown	grey	0 - 20	15	B	4		
KW47+50N 04+50E	ET	7/26/2010	354170.75	6943588.75	grey		0 - 20	25	TILL	3	ROCKY	
KW47+50N 04+50	BK	7/26/2010	353279.375	6943639.125	Brown	grey	0 - 20	35	TILL	3	ORGANIC	ROCKY
KW47+50N 04+75E	ET	7/26/2010	354196.125	6943588.125	grey		0 - 20	25	TILL	3	ROCKY	
KW47+50N 04+75	BK	7/26/2010	353255.25	6943639.75								
KW47+50N 05+00E	ET	7/26/2010	354221.5	6943587.5	brown		0 - 20	25	B	3	ROCKY	
KW47+50N 05+00	BK	7/26/2010	353231.125	6943640.375								
KW47+50N 05+25E	ET	7/26/2010	354246.875	6943586.875	brown		0 - 20	25	B	3	ROCKY	
KW47+50N 05+25	BK	7/26/2010	353207	6943641	Brown	grey	0 - 20	35	TILL	2	ORGANIC	ROCKY
KW47+50N 05+50E	ET	7/26/2010	354272.25	6943586.25	brown		0 - 20	25	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW47+50N 05+75E	ET	7/26/2010	354297.625	6943585.625	grey		0 - 20	25	TILL	3	ROCKY	
KW47+50N 06+00E	ET	7/26/2010	354323	6943585	grey		0 - 20	25	TILL	2	ROCKY	ORGANIC
KW47+50N 06+25E	ET	7/26/2010	354349.9	6943582.5	brown		0 - 20	25	TILL	3	ROCKY	
KW47+50N 06+50E	ET	7/26/2010	354375.8	6943581	brown		0 - 20	25	TILL	3	ROCKY	
KW47+50N 06+75E	ET	7/26/2010	354401.7	6943579.5	brown	grey	0 - 20	25	TILL	1	ROCKY	
KW47+50N 07+00E	ET	7/26/2010	354427.6	6943578	brown		0 - 20	25	TILL	3	ROCKY	
KW47+50N 07+25E	ET	7/26/2010	354453.5	6943576.5	brown		0 - 20	25	TILL	3	ROCKY	ASH
KW47+50N 07+50E	ET	7/26/2010	354479.4	6943575	brown		0 - 20	25	TILL	3	ROCKY	ASH
KW47+50N 07+75E	ET	7/26/2010	354505.3	6943573.5	brown		0 - 20	25	B	3	ROCKY	
KW47+50N 08+00E	ET	7/26/2010	354531.2	6943572	brown		0 - 20	25	B	3	ROCKY	
KW47+50N 08+25E	ET	7/26/2010	354557.1	6943570.5	brown		0 - 20	25	B	3	ROCKY	
KW47+50N 08+50E	ET	7/26/2010	354583	6943569	brown		0 - 20	25	B	3	ROCKY	LINE_END
KW48+00N 03+75E	BK	7/26/2010	354103.11706	6943649.595236	Brown	light	0 - 20	15	A	3		
KW48+00N 04+00E	BK	7/26/2010	354129.10243	6943648.645832	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW48+00N 04+25E	BK	7/26/2010	354155.08779	6943647.696427	Brown	grey	0 - 20	15	TILL	2	ROCKY	ORGANIC
KW48+00N 04+50E	BK	7/26/2010	354181.07316	6943646.747023	Brown	light	0 - 20	15	B	3		
KW48+00N 04+75E	BK	7/26/2010	354207.05853	6943645.797618	Brown	light	0 - 20	15	B	3		
KW48+00N 05+00E	BK	7/26/2010	354233.0439	6943644.848214	Brown	light	0 - 20	15	B	4		
KW48+00N 05+25E	BK	7/26/2010	354259.02926	6943643.898809	Brown	light	0 - 20	15	B	3		
KW48+00N 05+50E	BK	7/26/2010	354285.01463	6943642.949405	Brown	light	0 - 20	15	B	2		
KW48+00N 05+75E	BK	7/26/2010	354311	6943642	Brown	light	0 - 20	15	TILL	3		
KW48+00N 06+00E	BK	7/26/2010	354336.25	6943641.5	Brown	light	0 - 20	15	TILL	3	ROCKY	
KW48+00N 06+25E	BK	7/26/2010	354361.5	6943641	Brown	light	0 - 20	15	TILL	2	ROCKY	
KW48+00N 06+50E	BK	7/26/2010	354386.75	6943640.5	Brown	light	0 - 20	15	TILL	2	ROCKY	
KW48+00N 06+75E	BK	7/26/2010	354412	6943640	Brown	light	0 - 20	15	B	4	ROCKY	
KW48+00N 07+00E	BK	7/26/2010	354437.25	6943639.5	Brown	light	0 - 20	15	B	4	ROCKY	
KW48+00N 07+25E	BK	7/26/2010	354462.5	6943639	Brown	light	0 - 20	15	B	3	ROCKY	
KW48+00N 07+50E	BK	7/26/2010	354487.75	6943638.5	Brown	light	0 - 20	15	TILL	3	ROCKY	
KW48+00N 07+75E	BK	7/26/2010	354513	6943638	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW48+00N 08+00E	BK	7/26/2010	354537.83462	6943635.64953	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW48+00N 08+25E	BK	7/26/2010	354562.66924	6943633.29906	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KW50+50N 03+00E	AH	7/27/2010	354042	6943900	grey		0 - 20	45	TILL	2	ROCKY	LINE_START
KW50+50N 03+25E	AH	7/27/2010	354066.91667	6943899.5	grey	black	0 - 20	35	B	2		
KW50+50N 03+50E	AH	7/27/2010	354091.83333	6943899	grey	black	0 - 20	35	B	3		
KW50+50N 03+75E	AH	7/27/2010	354116.75	6943898.5	grey	black	0 - 20	35	B	3		
KW50+50N 04+00E	AH	7/27/2010	354141.66667	6943898	grey	black	0 - 20	35	B	3		

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW50+50N 04+25E	AH	7/27/2010	354166.58333	6943897.5	grey	black	0 - 20	35	B	2		
KW50+50N 04+50E	AH	7/27/2010	354191.5	6943897	grey	black	0 - 20	35	B	3		
KW50+50N 04+75E	AH	7/27/2010	354216.41667	6943896.5	grey		0 - 20	15	TILL	2	ROCKY	
KW50+50N 05+00E	AH	7/27/2010	354241.33333	6943896	grey		0 - 20	15	TILL	2	ROCKY	
KW50+50N 05+25E	AH	7/27/2010	354266.25	6943895.5	grey		0 - 20	15	TILL	2	ROCKY	
KW50+50N 05+50E	AH	7/27/2010	354291.16667	6943895	grey		0 - 20	45	B	3	ROCKY	
KW50+50N 05+75E	AH	7/27/2010	354316.08333	6943894.5	brown	grey	0 - 20	25	B	3	ROCKY	
KW50+50N 06+00E	AH	7/27/2010	354341	6943894	brown	grey	0 - 20	25	B	4	LINE_END	
KW51+50N 02+75E	LJ	7/28/2010	354019	6944002	brown	grey	0 - 20	25	TILL	3	LINE_START	
KW51+50N 03+00E	LJ	7/28/2010	354044	6944000.4	brown	grey	0 - 20	25	B	2	ORGANIC	
KW51+50N 03+25E	LJ	7/28/2010	354069	6943998.8	brown	grey	0 - 20	25	TILL	2	ROCKY	PERMAFROST
KW51+50N 03+50E	LJ	7/28/2010	354094	6943997.2	brown	grey	0 - 20	25	TILL	3	ROCKY	PERMAFROST
KW51+50N 03+75E	LJ	7/28/2010	354119	6943995.6	brown	grey	0 - 20	25	TILL	3	ROCKY	PERMAFROST
KW51+50N 04+00E	LJ	7/28/2010	354144	6943994	brown		0 - 20	25	B	4	ROCKY	
KW51+50N 04+25E	LJ	7/28/2010	354169	6943991.2	brown		0 - 20	25	B	4	ROCKY	
KW51+50N 04+50E	LJ	7/28/2010	354194	6943988.4	brown	black	0 - 20	25	A	1	ORGANIC	
KW51+50N 04+75E	LJ	7/28/2010	354219	6943985.6	brown	black	0 - 20	25	A	1	ORGANIC	
KW51+50N 05+00E	LJ	7/28/2010	354244	6943982.8	brown	grey	0 - 20	25	B	3	ROCKY	
KW51+50N 05+25E	LJ	7/28/2010	354269	6943980	brown		0 - 20	25	B	3	LINE_END	
KW55+00N 00+00	LJ	7/28/2010	353759	6944380	brown	orange	20 - 40	25	B	3	ROCKY	LINE_START
KW55+00N 00+25	LJ	7/28/2010	353736.4	6944382	brown	orange	20 - 40	25	B	3	ROCKY	
KW55+00N 00+50	LJ	7/28/2010	353713.8	6944384	brown	orange	20 - 40	25	B	3	ROCKY	
KW55+00N 00+75	LJ	7/28/2010	353691.2	6944386	brown	orange	20 - 40	25	B	5		
KW55+00N 01+00	LJ	7/28/2010	353668.6	6944388	brown	grey	20 - 40	25	TILL	3	ROCKY	
KW55+00N 01+25	LJ	7/28/2010	353646	6944390	brown	grey	20 - 40	25	TILL	3	ROCKY	
KW55+00N 01+50	LJ	7/28/2010	353620.25	6944391	brown	grey	20 - 40	25	TILL	3	ROCKY	
KW55+00N 01+75	LJ	7/28/2010	353594.5	6944392	brown	grey	20 - 40	25	TILL	3	ROCKY	
KW55+00N 02+00	LJ	7/28/2010	353568.75	6944393	brown	grey	20 - 40	25	TILL	3	ROCKY	
KW55+00N 02+25	LJ	7/28/2010	353543	6944394	brown	grey	20 - 40	25	A	2	ORGANIC	
KW55+00N 02+50	LJ	7/28/2010	353517.25	6944395	brown	grey	20 - 40	25	A	2	ORGANIC	
KW55+00N 02+75	LJ	7/28/2010	353491.5	6944396	brown	grey	20 - 40	25	TILL	3	ROCKY	
KW55+00N 03+00	LJ	7/28/2010	353465.75	6944397	brown	orange	0 - 20	25	B	3	ROCKY	
KW55+00N 03+25	LJ	7/28/2010	353440	6944398	brown	orange	0 - 20	25	B	3	ROCKY	
KW55+00N 03+50	LJ	7/28/2010	353409.8187	6944398.934579	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW55+00N 03+75	LJ	7/28/2010	353387.13031	6944398.943925	brown	grey	0 - 20	25	TILL	2	ROCKY	
KW55+00N 04+00	LJ	7/28/2010	353364.44193	6944398.953271	brown	grey	0 - 20	25	B	2	ORGANIC	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW55+00N 04+25	LJ	7/28/2010	353341.75354	6944398.962617	brown	grey	0 - 20	25	TILL	3	ROCKY	
KW55+00N 04+50	LJ	7/28/2010	353319.06516	6944398.971963	brown	grey	0 - 20	25	B	3	ROCKY	
KW55+00N 04+75	LJ	7/28/2010	353296.37677	6944398.981308	brown	grey	0 - 20	25	A	1	ROCKY	ASH
KW55+00N 05+00	LJ	7/28/2010	353273.68839	6944398.990654	brown	grey	0 - 20	25	A	1	ROCKY	ASH
KW55+00N 05+25	LJ	7/28/2010	353251	6944399	brown	grey	0 - 20	25	A	1	ROCKY	ASH
KW55+00N 05+50	LJ	7/28/2010	353225.24409	6944402.116093	brown	grey	0 - 20	25	A	1	ROCKY	ASH
KW55+00N 05+75	LJ	7/28/2010	353199.48817	6944405.232186	brown	grey	0 - 20	25	B	3	ROCKY	5M PAST
KW55+00N 06+00	LJ	7/28/2010	353173.73226	6944408.348278	brown	grey	0 - 20	25	A	2	ROCKY	ORGANIC
KW55+00N 06+25	LJ	7/28/2010	353147.97635	6944411.464371	brown	grey	0 - 20	25	A	2	ROCKY	ORGANIC
KW55+00N 06+50	LJ	7/28/2010	353122.22043	6944414.580464	brown	grey	0 - 20	25	B	3	ROCKY	
KW55+00N 06+75	LJ	7/28/2010	353096.46452	6944417.696557	brown	orange	0 - 20	25	B	4	ORGANIC	
KW55+00N 07+00	LJ	7/28/2010	353070.70861	6944420.81265	brown	grey	0 - 20	35	TILL	2	ROCKY	
KW55+00N 07+25	LJ	7/28/2010	353044.95269	6944423.928743	brown	grey	0 - 20	35	TILL	3	LINE_END	
KW56+00N 00+00	AH	7/28/2010	353765	6944483	brown		0 - 20	25	B	4	ROCKY	LINE_START
KW56+00N 00+25	AH	7/28/2010	353739.11111	6944483.666667	brown		0 - 20	25	B	4	ROCKY	
KW56+00N 00+50	AH	7/28/2010	353713.22222	6944484.333333	brown		0 - 20	25	B	4	ROCKY	
KW56+00N 00+75	AH	7/28/2010	353687.33333	6944485	brown		0 - 20	25	B	3	ROCKY	
KW56+00N 01+00	AH	7/28/2010	353661.44444	6944485.666667	brown		0 - 20	25	B	4	ROCKY	
KW56+00N 01+25	AH	7/28/2010	353635.55556	6944486.333333	brown		0 - 20	25	B	3	ROCKY	
KW56+00N 01+50	AH	7/28/2010	353609.66667	6944487								
KW56+00N 01+75	AH	7/28/2010	353583.77778	6944487.666667								
KW56+00N 02+00	AH	7/28/2010	353557.88889	6944488.333333	brown		0 - 20	25	B	1	PERMAFROST	
KW56+00N 02+25	AH	7/28/2010	353532	6944489	brown		0 - 20	25	B	3	CROSSED_CREEK	5M PAST
KW56+00N 02+50	AH	7/28/2010	353506.85714	6944491.142857	brown		0 - 20	25	B	1	PERMAFROST	
KW56+00N 02+75	AH	7/28/2010	353481.71429	6944493.285714	brown		0 - 20	25	B	1	PERMAFROST	
KW56+00N 03+00	AH	7/28/2010	353456.57143	6944495.428571	brown		0 - 20	25	B	4		
KW56+00N 03+25	AH	7/28/2010	353431.42857	6944497.571429	brown		0 - 20	25	B	3	ROCKY	
KW56+00N 03+50	AH	7/28/2010	353406.28571	6944499.714286	brown		0 - 20	25	B	2	ROCKY	
KW56+00N 03+75	AH	7/28/2010	353381.14286	6944501.857143	brown		0 - 20	35	B	3	ROCKY	
KW56+00N 04+00	AH	7/28/2010	353356	6944504	brown		0 - 20	35	B	2	ROCKY	
KW56+00N 04+25	AH	7/28/2010	353330.75	6944505.875	brown		0 - 20	35	B	3	ROCKY	
KW56+00N 04+50	AH	7/28/2010	353305.5	6944507.75	brown		0 - 20	35	TILL	2	ROCKY	
KW56+00N 04+75	AH	7/28/2010	353280.25	6944509.625	grey		0 - 20	35	TILL	3	ROCKY	
KW56+00N 05+00	AH	7/28/2010	353255	6944511.5	grey	brown	0 - 20	35	TILL	3	ROCKY	
KW56+00N 05+25	AH	7/28/2010	353229.75	6944513.375	grey		0 - 20	45	TILL	3	ROCKY	
KW56+00N 05+50	AH	7/28/2010	353204.5	6944515.25	grey		0 - 20	45	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KW56+00N 05+75	AH	7/28/2010	353179.25	6944517.125								
KW56+00N 06+00	AH	7/28/2010	353154	6944519	grey		0 - 20	45	TILL	3	ROCKY	LINE_END
KWM35+00N 04+5	BK	7/27/2010	354367	6942324	Brown	grey	0 - 20	15	TILL	3		STUMP_SAMPLE
KWM35+00N 04+7	BK	7/27/2010	354391.6667	6942322.333	Brown	grey	0 - 20	15	TILL	3		STUMP_SAMPLE
KWM35+00N 05+0	BK	7/27/2010	354416.3333	6942320.667	Brown	grey	0 - 20	15	B	2		
KWM35+00N 05+2	BK	7/27/2010	354441	6942319	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 05+5	BK	7/27/2010	354465.6667	6942317.333	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 05+7	BK	7/27/2010	354490.3333	6942315.667	Brown	grey	0 - 20	15	TILL	4	ROCKY	
KWM35+00N 06+0	BK	7/27/2010	354515	6942314	Brown	grey	0 - 20	15	A	1	ORGANIC	
KWM35+00N 06+2	BK	7/27/2010	354537.875	6942310.5								
KWM35+00N 06+5	BK	7/27/2010	354560.75	6942307								
KWM35+00N 06+7	BK	7/27/2010	354583.625	6942303.5	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 07+0	BK	7/27/2010	354606.5	6942300	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 07+2	BK	7/27/2010	354629.375	6942296.5	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 07+5	BK	7/27/2010	354652.25	6942293	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 07+7	BK	7/27/2010	354675.125	6942289.5	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 08+0	BK	7/27/2010	354698	6942286	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 08+2	BK	7/27/2010	354721.5	6942286.5	Brown	grey	0 - 20	15	B	4		
KWM35+00N 08+5	BK	7/27/2010	354745	6942287	Brown	grey	0 - 20	15	B	4		
KWM35+00N 08+7	BK	7/27/2010	354768.5	6942287.5	Brown	grey	0 - 20	15	B	4		
KWM35+00N 09+0	BK	7/27/2010	354792	6942288	Brown	grey	0 - 20	15	B	4		
KWM35+00N 09+2	BK	7/27/2010	354815.5	6942288.5	Brown	grey	0 - 20	15	B	4		
KWM35+00N 09+5	BK	7/27/2010	354839	6942289	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 09+7	BK	7/27/2010	354862.5	6942289.5	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 10+0	BK	7/27/2010	354886	6942290	Brown	grey	0 - 20	15	TILL	2	ROCKY	PERMAFROST
KWM35+00N 10+2	BK	7/27/2010	354910.875	6942289.5	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM35+00N 10+5	BK	7/27/2010	354935.75	6942289	dark	grey	0 - 20	15	B	3	ROCKY	
KWM35+00N 10+7	BK	7/27/2010	354960.625	6942288.5	dark	grey	0 - 20	15	B	3	ROCKY	
KWM35+00N 11+0	BK	7/27/2010	354985.5	6942288	dark	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 11+2	BK	7/27/2010	355010.375	6942287.5	dark	grey	0 - 20	15	B	3	ROCKY	
KWM35+00N 11+5	BK	7/27/2010	355035.25	6942287	dark	grey	0 - 20	15	B	4	ROCKY	
KWM35+00N 11+7	BK	7/27/2010	355060.125	6942286.5	dark	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 12+0	BK	7/27/2010	355085	6942286	dark	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 12+2	BK	7/27/2010	355108.5	6942285.375	dark	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 12+7	BK	7/27/2010	355155.5	6942284.125	dark	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 13+0	BK	7/27/2010	355179	6942283.5	dark	grey	0 - 20	15	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM35+00N 13+2	BK	7/27/2010	355202.5	6942282.875	dark	grey	0 - 20	15	TILL	3	ROCKY	
KWM35+00N 13+5	BK	7/27/2010	355226	6942282.25	dark	grey	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM35+00N 13+7	BK	7/27/2010	355249.5	6942281.625	dark	grey	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM35+00N 14+0	BK	7/27/2010	355273	6942281	dark	grey	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM36+00N 03+0	BK	7/27/2010	354224	6942427	Brown	grey	0 - 20	15	TILL	3		STUMP_SAMPLE
KWM36+00N 03+2	BK	7/27/2010	354249	6942426.5	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM36+00N 03+5	BK	7/27/2010	354274	6942426	Brown	grey	0 - 20	15	TILL	1	ROCKY	
KWM36+00N 03+7	BK	7/27/2010	354299	6942425.5	Brown	grey	0 - 20	15	TILL	1	ROCKY	
KWM36+00N 04+0	BK	7/27/2010	354324	6942425	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM36+00N 04+2	BK	7/27/2010	354348.375	6942423.375	Brown	grey	0 - 20	15	TILL	2	ROCKY	ORGANIC
KWM36+00N 04+5	BK	7/27/2010	354372.75	6942421.75	Brown	grey	0 - 20	15	A	2	ROCKY	ORGANIC
KWM36+00N 04+7	BK	7/27/2010	354397.125	6942420.125	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM36+00N 05+0	BK	7/27/2010	354421.5	6942418.5								
KWM36+00N 05+2	BK	7/27/2010	354445.875	6942416.875								
KWM36+00N 05+5	BK	7/27/2010	354470.25	6942415.25								
KWM36+00N 05+7	BK	7/27/2010	354494.625	6942413.625	Brown	grey	0 - 20	15	C	3	ROCKY	
KWM36+00N 06+0	BK	7/27/2010	354519	6942412	Brown	grey	0 - 20	15	C	3	ROCKY	
KWM36+00N 06+2	BK	7/27/2010	354544.5	6942411.5	Brown	grey	0 - 20	15	B	4	ROCKY	
KWM36+00N 06+5	BK	7/27/2010	354570	6942411	Brown	grey	0 - 20	15	B	4	ROCKY	
KWM36+00N 06+7	BK	7/27/2010	354595.5	6942410.5								
KWM36+00N 07+0	BK	7/27/2010	354621	6942410	Brown	grey	0 - 20	15	B	4	ROCKY	
KWM36+00N 07+2	BK	7/27/2010	354646.5	6942409.5	Brown	grey	0 - 20	15	B	4	ROCKY	
KWM36+00N 07+5	BK	7/27/2010	354672	6942409	Brown	grey	0 - 20	15	B	4	ROCKY	
KWM36+00N 07+7	BK	7/27/2010	354697.5	6942408.5	Brown	grey	0 - 20	15	B	3	ROCKY	
KWM36+00N 08+0	BK	7/27/2010	354723	6942408	Brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM36+00N 08+2	BK	7/27/2010	354747.625	6942406.375								
KWM36+00N 08+5	BK	7/27/2010	354772.25	6942404.75								
KWM36+00N 08+7	BK	7/27/2010	354796.875	6942403.125								
KWM36+00N 09+0	BK	7/27/2010	354821.5	6942401.5								
KWM36+00N 09+2	BK	7/27/2010	354846.125	6942399.875								
KWM36+00N 09+5	BK	7/27/2010	354870.75	6942398.25	Brown	grey	0 - 20	15	TILL	2	ROCKY	ORGANIC
KWM36+00N 09+7	BK	7/27/2010	354895.375	6942396.625	Brown	grey	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM36+00N 10+0	BK	7/27/2010	354920	6942395	Brown	grey	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM36+00N 10+2	BK	7/27/2010	354944.875	6942393.5	Brown	grey	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM36+00N 10+5	BK	7/27/2010	354969.75	6942392								
KWM36+00N 10+7	BK	7/27/2010	354994.625	6942390.5								

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM36+00N 11+0	BK	7/27/2010	355019.5	6942389	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM36+00N 11+2	BK	7/27/2010	355044.375	6942387.5	Brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM36+00N 11+5	BK	7/27/2010	355069.25	6942386								
KWM36+00N 11+7	BK	7/27/2010	355094.125	6942384.5	Brown				Select			
KWM36+00N 12+0	ET	7/24/2010	355119	6942383	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 12+2	ET	7/24/2010	355144.3	6942382.4	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 12+5	ET	7/24/2010	355169.6	6942381.8	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 12+7	ET	7/24/2010	355194.9	6942381.2	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 13+0	ET	7/24/2010	355220.2	6942380.6	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 13+2	ET	7/24/2010	355245.5	6942380	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 13+5	ET	7/24/2010	355270.8	6942379.4	grey	brown	0 - 20	15	TILL	3		
KWM36+00N 13+7	ET	7/24/2010	355296.1	6942378.8	grey	light	0 - 20	15	TILL	3		
KWM36+00N 14+0	ET	7/24/2010	355321.4	6942378.2	grey	light	0 - 20	15	TILL	3		
KWM36+00N 14+2	ET	7/24/2010	355346.7	6942377.6	grey	light	0 - 20	15	TILL	3	ROCKY	
KWM36+00N 14+5	ET	7/24/2010	355372	6942377	brown	grey	0 - 20	15	TILL	2	ROCKY	LINE_END
KWM37+00N 00+5	ET	7/23/2010	353984	6942551	Brown	grey	0 - 20	15	TILL	3	ROCKY	LINE_START
KWM37+00N 00+7	ET	7/24/2010	354008.1667	6942551	grey	light	0 - 20	15	TILL	3		
KWM37+00N 01+0	ET	7/24/2010	354032.3333	6942551	grey	light	0 - 20	15	TILL	4		
KWM37+00N 01+2	ET	7/24/2010	354056.5	6942551	grey	light	0 - 20	15	TILL	3	ROCKY	ASH
KWM37+00N 01+5	ET	7/24/2010	354080.6667	6942551	grey	light	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 01+7	ET	7/24/2010	354104.8333	6942551	grey	light	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 02+0	ET	7/24/2010	354129	6942551	grey	brown	0 - 20	15	TILL	3		
KWM37+00N 02+2	ET	7/24/2010	354153.25	6942550.625	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM37+00N 02+5	ET	7/24/2010	354177.5	6942550.25	beige	brown	0 - 20	15	B	4	5M BEFORE	
KWM37+00N 02+7	ET	7/24/2010	354201.75	6942549.875	beige	brown	0 - 20	15	B	4		
KWM37+00N 03+0	ET	7/24/2010	354226	6942549.5	beige	brown	0 - 20	15	B	4		
KWM37+00N 03+2	ET	7/24/2010	354250.25	6942549.125	beige	brown	0 - 20	15	B	4		
KWM37+00N 03+5	ET	7/24/2010	354274.5	6942548.75	beige	brown	0 - 20	15	B	4		
KWM37+00N 03+7	ET	7/24/2010	354298.75	6942548.375	beige	brown	0 - 20	15	B	4		
KWM37+00N 04+0	ET	7/24/2010	354323	6942548	beige	brown	0 - 20	15	B	4		
KWM37+00N 04+2	ET	7/24/2010	354347.5	6942547.125	beige	brown	0 - 20	15	B	4		
KWM37+00N 04+5	ET	7/24/2010	354372	6942546.25	beige	brown	0 - 20	15	B	3	ROCKY	
KWM37+00N 04+7	ET	7/24/2010	354396.5	6942545.375	beige	brown	0 - 20	15	B	3	ROCKY	
KWM37+00N 05+0	ET	7/24/2010	354421	6942544.5	beige	brown	0 - 20	15	TILL	3	ROCKY	
KWM37+00N 05+2	ET	7/24/2010	354445.5	6942543.625	beige	brown	0 - 20	15	TILL	3	ROCKY	
KWM37+00N 05+5	ET	7/24/2010	354470	6942542.75	grey	brown	0 - 20	15	TILL	2	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM37+00N 05+7	ET	7/24/2010	354494.5	6942541.875	light	brown	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 06+0	ET	7/24/2010	354519	6942541	brown	orange	0 - 20	15	B	4	ROCKY	
KWM37+00N 06+2	ET	7/24/2010	354544.75	6942539.375	brown	orange	0 - 20	15	C	4		
KWM37+00N 06+5	ET	7/24/2010	354570.5	6942537.75	brown	orange	0 - 20	15	C	4		
KWM37+00N 06+7	ET	7/24/2010	354596.25	6942536.125	brown	orange	0 - 20	15	C	2	ROCKY	
KWM37+00N 07+0	ET	7/24/2010	354622	6942534.5	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 07+2	ET	7/24/2010	354647.75	6942532.875	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 07+5	ET	7/24/2010	354673.5	6942531.25								
KWM37+00N 07+7	ET	7/24/2010	354699.25	6942529.625								
KWM37+00N 08+0	ET	7/24/2010	354725	6942528	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 08+2	ET	7/24/2010	354751.25	6942523.75	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 08+5	ET	7/24/2010	354776.5	6942522.5	brown	grey	0 - 20	15	TILL	3		
KWM37+00N 08+7	ET	7/24/2010	354801.75	6942521.25	brown	grey	0 - 20	15	TILL	3		
KWM37+00N 09+0	ET	7/24/2010	354827	6942520	brown	grey	0 - 20	15	TILL	3		
KWM37+00N 09+2	ET	7/24/2010	354852.25	6942518.75	brown	grey	0 - 20	15	TILL	3		
KWM37+00N 09+5	ET	7/24/2010	354877.5	6942517.5	brown	grey	0 - 20	15	TILL	2	ORGANIC	ROCKY
KWM37+00N 09+7	ET	7/24/2010	354902.75	6942516.25	brown	grey	0 - 20	15	TILL	2	ORGANIC	ROCKY
KWM37+00N 10+0	ET	7/24/2010	354928	6942515	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 10+2	ET	7/24/2010	354952.875	6942513.75	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 10+5	ET	7/24/2010	354977.75	6942512.5	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 10+7	ET	7/24/2010	355002.625	6942511.25	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 11+0	ET	7/24/2010	355027.5	6942510	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 11+2	ET	7/24/2010	355052.375	6942508.75	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 11+5	ET	7/24/2010	355077.25	6942507.5								
KWM37+00N 11+7	ET	7/24/2010	355102.125	6942506.25	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 12+0	ET	7/24/2010	355127	6942505	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 12+2	ET	7/24/2010	355153.25	6942505	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM37+00N 12+5	ET	7/24/2010	355179.5	6942505	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM37+00N 12+7	ET	7/24/2010	355205.75	6942505	brown	grey	0 - 20	15	TILL	1	ROCKY	
KWM37+00N 13+0	ET	7/24/2010	355232	6942505	brown	grey	0 - 20	15	TILL	2	ROCKY	LINE_END
KWM38+00N 00+0	LJ	7/22/2010	353894	6942668	grey		0 - 20	35	TILL	2	ROCKY	LINE_START
KWM38+00N 00+2	LJ	7/22/2010	353920.5625	6942666.75	grey		0 - 20	35	TILL	3	ROCKY	
KWM38+00N 00+2	LJ	7/22/2010	353890	6942692	grey		0 - 20	35	TILL	2	ROCKY	LINE_END
KWM38+00N 00+5	LJ	7/22/2010	353947.125	6942665.5	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 00+7	LJ	7/22/2010	353973.6875	6942664.25	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 01+0	LJ	7/22/2010	354000.25	6942663	grey		0 - 20	45	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM38+00N 01+2	LJ	7/22/2010	354026.8125	6942661.75	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 01+5	LJ	7/22/2010	354053.375	6942660.5	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 01+7	LJ	7/22/2010	354079.9375	6942659.25	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 02+0	LJ	7/22/2010	354106.5	6942658	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 02+2	LJ	7/22/2010	354133.0625	6942656.75	brown		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 02+5	LJ	7/22/2010	354159.625	6942655.5	brown		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 02+7	LJ	7/22/2010	354186.1875	6942654.25	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 03+0	LJ	7/22/2010	354212.75	6942653	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 03+2	LJ	7/22/2010	354239.3125	6942651.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 03+5	LJ	7/22/2010	354265.875	6942650.5	brown	grey	0 - 20	25	TILL	4	ROCKY	
KWM38+00N 03+7	LJ	7/22/2010	354292.4375	6942649.25	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 04+0	LJ	7/22/2010	354319	6942648	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 04+2	LJ	7/22/2010	354344	6942645.688	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 04+5	LJ	7/22/2010	354369	6942643.375	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM38+00N 04+7	LJ	7/22/2010	354394	6942641.063	brown	orange	0 - 20	35	B	4	ROCKY	
KWM38+00N 05+0	LJ	7/22/2010	354419	6942638.75	brown	orange	0 - 20	35	B	4	ROCKY	
KWM38+00N 05+2	LJ	7/22/2010	354444	6942636.438	grey	brown	0 - 20	35	TILL	3	ROCKY	
KWM38+00N 05+5	LJ	7/22/2010	354469	6942634.125	grey	brown	0 - 20	35	TILL	3	ROCKY	
KWM38+00N 05+7	LJ	7/22/2010	354494	6942631.813	grey	brown	0 - 20	35	TILL	3	ROCKY	
KWM38+00N 06+0	LJ	7/22/2010	354519	6942629.5	grey	brown	0 - 20	35	TILL	4	ROCKY	
KWM38+00N 06+2	LJ	7/22/2010	354544	6942627.188	grey	brown	0 - 20	35	TILL	4	ROCKY	
KWM38+00N 06+5	LJ	7/22/2010	354569	6942624.875	grey	brown	0 - 20	35	TILL	3	ROCKY	
KWM38+00N 06+7	LJ	7/22/2010	354594	6942622.563	grey	brown	0 - 20	35	TILL	3	ROCKY	
KWM38+00N 07+0	LJ	7/22/2010	354619	6942620.25	grey		0 - 20	35	TILL	3	ROCKY	
KWM38+00N 07+2	LJ	7/22/2010	354644	6942617.938	grey		0 - 20	45	TILL	3	ROCKY	
KWM38+00N 07+5	LJ	7/22/2010	354669	6942615.625	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 07+7	LJ	7/22/2010	354694	6942613.313	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 08+0	LJ	7/22/2010	354719	6942611	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 08+2	LJ	7/22/2010	354744.9375	6942608.5	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 08+5	LJ	7/22/2010	354770.875	6942606	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 08+7	LJ	7/22/2010	354796.8125	6942603.5	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 09+0	LJ	7/22/2010	354822.75	6942601	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 09+2	LJ	7/22/2010	354848.6875	6942598.5	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 09+5	LJ	7/22/2010	354874.625	6942596	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 09+7	LJ	7/22/2010	354900.5625	6942593.5	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 10+0	LJ	7/22/2010	354926.5	6942591	grey		0 - 20	25	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM38+00N 10+2	LJ	7/22/2010	354952.4375	6942588.5	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 10+5	LJ	7/22/2010	354978.375	6942586	grey	black	0 - 20	45	TILL	2	PERMAFROST	ORGANIC
KWM38+00N 10+7	LJ	7/22/2010	355004.3125	6942583.5	grey		0 - 20	25	TILL	3	PERMAFROST	
KWM38+00N 11+0	LJ	7/22/2010	355030.25	6942581	grey		0 - 20	25	TILL	3	PERMAFROST	
KWM38+00N 11+2	LJ	7/22/2010	355056.1875	6942578.5	grey		0 - 20	25	TILL	3	PERMAFROST	
KWM38+00N 11+5	LJ	7/22/2010	355082.125	6942576	grey		0 - 20	25	TILL	3	PERMAFROST	
KWM38+00N 11+7	LJ	7/22/2010	355108.0625	6942573.5	grey		0 - 20	25	TILL	3	ROCKY	
KWM38+00N 12+0	LJ	7/22/2010	355134	6942571	grey	brown	0 - 20	25	TILL	3	LINE_END	ROCKY
KWM39+00N 00+0	BK	7/22/2010			grey	brown	0 - 20	135	TILL	3	ROCKY	
KWM39+00N 00+2	BK	7/22/2010	353975.75	6942748.75	grey	brown	0 - 20	135	TILL	2	ROCKY	
KWM39+00N 00+2	BK	7/22/2010	353925.0374	6942751.366	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 00+5	BK	7/22/2010	354001.5	6942747.5	grey	brown	0 - 20	135	TILL	2	ROCKY	
KWM39+00N 00+5	BK	7/22/2010	353900.0747	6942752.732	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 00+7	BK	7/22/2010	354027.25	6942746.25	grey	brown	0 - 20	55	TILL	3	ROCKY	
KWM39+00N 00+7	BK	7/22/2010	353875.1121	6942754.098	grey	brown	0 - 20	15	TILL	2	ROCKY	ORGANIC
KWM39+00N 01+0	BK	7/22/2010	354053	6942745	grey	brown	0 - 20	55	TILL	3	ROCKY	
KWM39+00N 01+0	BK	7/22/2010	353850.1494	6942755.464	grey	brown	0 - 20	15	TILL	1	ROCKY	ORGANIC
KWM39+00N 01+2	BK	7/22/2010	354078.75	6942743.75	grey	brown	0 - 20	55	TILL	3	ROCKY	
KWM39+00N 01+2	BK	7/22/2010	353825.1868	6942756.831	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM39+00N 01+5	BK	7/22/2010	354104.5	6942742.5	grey	brown	0 - 20	55	TILL	3	ROCKY	
KWM39+00N 01+7	BK	7/22/2010	354130.25	6942741.25	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 02+0	BK	7/22/2010	354156	6942740	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 02+2	BK	7/22/2010	354180.625	6942741.25	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 02+5	BK	7/22/2010	354205.25	6942742.5	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM39+00N 02+7	BK	7/22/2010	354229.875	6942743.75	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 03+0	BK	7/22/2010	354254.5	6942745	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 03+2	BK	7/22/2010	354279.125	6942746.25	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 03+5	BK	7/22/2010	354303.75	6942747.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 03+7	BK	7/22/2010	354328.375	6942748.75	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 04+0	BK	7/22/2010	354353	6942750	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 04+2	BK	7/22/2010	354379.125	6942746.875	grey	brown	0 - 20	15	TILL	3	ROCKY	ASH
KWM39+00N 04+5	BK	7/22/2010	354405.25	6942743.75	grey	brown	0 - 20	15	TILL	2	ROCKY	ASH
KWM39+00N 04+7	BK	7/22/2010	354431.375	6942740.625	grey	brown	0 - 20	15	TILL	3	ROCKY	ASH
KWM39+00N 05+0	BK	7/22/2010	354457.5	6942737.5	grey	brown	0 - 20	15	TILL	3	ROCKY	ASH
KWM39+00N 05+2	BK	7/22/2010	354483.625	6942734.375	grey	brown	0 - 20	15	TILL	2	ROCKY	ASH
KWM39+00N 05+5	BK	7/22/2010	354509.75	6942731.25	grey	brown	0 - 20	15	TILL	2	ORGANIC	ASH

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM39+00N 05+7	BK	7/22/2010	354535.875	6942728.125								
KWM39+00N 06+0	BK	7/22/2010	354562	6942725	grey	brown	0 - 20	15	TILL	2	ORGANIC	
KWM39+00N 06+2	BK	7/22/2010	354589.25	6942724.375	grey	brown	0 - 20	15	TILL	2	ORGANIC	
KWM39+00N 06+5	BK	7/22/2010	354616.5	6942723.75	grey	brown	0 - 20	15	TILL	2	ORGANIC	
KWM39+00N 06+7	BK	7/22/2010	354643.75	6942723.125	orange	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 07+0	BK	7/22/2010	354671	6942722.5	orange	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 07+2	BK	7/22/2010	354698.25	6942721.875								
KWM39+00N 07+5	BK	7/22/2010	354725.5	6942721.25								
KWM39+00N 07+7	BK	7/22/2010	354752.75	6942720.625								
KWM39+00N 08+0	BK	7/22/2010	354780	6942720	tan	brown	0 - 20	15	TILL	2	ROCKY	
KWM39+00N 08+2	BK	7/22/2010	354805.125	6942716.625	tan	brown	0 - 20	15	TILL	2	ROCKY	
KWM39+00N 08+5	BK	7/22/2010	354830.25	6942713.25	tan	brown	0 - 20	15	B	3	ROCKY	
KWM39+00N 08+7	BK	7/22/2010	354855.375	6942709.875	tan	brown	0 - 20	15	TILL	2	ROCKY	
KWM39+00N 09+0	BK	7/22/2010	354880.5	6942706.5								
KWM39+00N 09+2	BK	7/22/2010	354905.625	6942703.125								
KWM39+00N 09+5	BK	7/22/2010	354930.75	6942699.75								
KWM39+00N 09+7	BK	7/22/2010	354955.875	6942696.375	tan	brown	0 - 20	15	TILL	1	ROCKY	
KWM39+00N 10+0	BK	7/22/2010	354981	6942693	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 10+2	BK	7/22/2010	355004.75	6942692.875	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 10+5	BK	7/22/2010	355028.5	6942692.75	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 10+7	BK	7/22/2010	355052.25	6942692.625	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM39+00N 11+0	BK	7/22/2010	355076	6942692.5	tan	brown	0 - 20	15	B	3	ROCKY	
KWM39+00N 11+2	BK	7/22/2010	355099.75	6942692.375	tan	brown	0 - 20	15	B	3	ROCKY	
KWM39+00N 11+5	BK	7/22/2010	355123.5	6942692.25	tan	brown	0 - 20	15	B	3	ROCKY	
KWM39+00N 11+7	BK	7/22/2010	355147.25	6942692.125	tan	brown	0 - 20	15	B	3	ROCKY	
KWM39+00N 12+0	BK	7/22/2010	355171	6942692	tan	brown	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 00+0	ET	7/20/2010	353916	6942850	brown	grey	0 - 20	15	TILL	2	ROCKY	LINE_START
KWM40+00N 00+2	BW	7/21/2010	353941.25	6942849.5	brown		0 - 20	15	B	4		
KWM40+00N 00+2	ET	7/20/2010	353908	6942853.125	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 00+5	BW	7/21/2010	353966.5	6942849	grey		0 - 20	25	B	3	ROCKY	
KWM40+00N 00+5	ET	7/20/2010	353884	6942856.25	brown	grey	0 - 20	15	TILL	3	PERMAFROST	
KWM40+00N 00+7	BW	7/21/2010	353991.75	6942848.5	grey	brown	0 - 20	25	B	2	ROCKY	
KWM40+00N 00+7	ET	7/20/2010	353859	6942859.375	brown	grey	0 - 20	15	TILL	3		
KWM40+00N 01+0	BW	7/21/2010	354017	6942848	grey	brown	0 - 20	25	TILL	1	ROCKY	
KWM40+00N 01+0	ET	7/20/2010	353822	6942862.5	brown	grey	0 - 20	15	TILL	3		
KWM40+00N 01+2	BW	7/21/2010	354042.25	6942847.5	brown	brown	0 - 20	25	B	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM40+00N 01+2	ET	7/20/2010	353796	6942865.625	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM40+00N 01+5	BW	7/21/2010	354067.5	6942847	grey	brown	0 - 20	25	B	3	ROCKY	
KWM40+00N 01+5	ET	7/20/2010	353757	6942868.75	brown	grey	20 - 40	15	TILL	3	ROCKY	
KWM40+00N 01+7	BW	7/21/2010	354092.75	6942846.5	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 01+7	ET	7/20/2010	353742	6942871.875	brown	grey	20 - 40	15	TILL	3	ROCKY	
KWM40+00N 02+0	BW	7/21/2010	354118	6942846	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 02+0	ET	7/20/2010	353713	6942875	grey	dark	20 - 40	15	TILL	1	ROCKY	LINE_END
KWM40+00N 02+2	BW	7/21/2010	354142.125	6942844.25	grey	brown	0 - 20	25	B	2	ROCKY	
KWM40+00N 02+5	BW	7/21/2010	354166.25	6942842.5	grey	brown	0 - 20	25	B	3	ROCKY	
KWM40+00N 02+7	BW	7/21/2010	354190.375	6942840.75	brown	brown	0 - 20	35	B	4		
KWM40+00N 03+0	BW	7/21/2010	354214.5	6942839	grey	brown	0 - 20	25	TILL	2	ROCKY	
KWM40+00N 03+2	BW	7/21/2010	354238.625	6942837.25	grey	brown	0 - 20	25	TILL	2	ROCKY	
KWM40+00N 03+5	BW	7/21/2010	354262.75	6942835.5	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 03+7	BW	7/21/2010	354286.875	6942833.75	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 04+0	BW	7/21/2010	354311	6942832	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM40+00N 04+2	BW	7/21/2010	354337.25	6942830.375	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM40+00N 04+5	BW	7/21/2010	354363.5	6942828.75	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM40+00N 04+7	BW	7/21/2010	354389.75	6942827.125	grey	brown	0 - 20	25	TILL	3	ROCKY	
KWM40+00N 05+0	BW	7/21/2010	354416	6942825.5	grey	brown	0 - 20	25	TILL	3	ROCKY	
KWM40+00N 05+2	BW	7/21/2010	354442.25	6942823.875	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM40+00N 05+5	BW	7/21/2010	354468.5	6942822.25	brown	brown	0 - 20	15	B	4	ROCKY	
KWM40+00N 05+7	BW	7/21/2010	354494.75	6942820.625								
KWM40+00N 06+0	BW	7/21/2010	354521	6942819								
KWM40+00N 06+2	BW	7/21/2010	354546.5	6942817.4375								
KWM40+00N 06+5	BW	7/21/2010	354572	6942815.875	grey	brown	0 - 20	25	TILL	2	ROCKY	
KWM40+00N 06+7	BW	7/21/2010	354597.5	6942814.313	grey	grey	0 - 20	45	TILL	1	ROCKY	ORGANIC
KWM40+00N 07+0	BW	7/21/2010	354623	6942812.75	grey	grey	0 - 20	35	TILL	2	ROCKY	ORGANIC
KWM40+00N 07+2	BW	7/21/2010	354648.5	6942811.188	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM40+00N 07+5	BW	7/21/2010	354674	6942809.625	brown		0 - 20	25	B	4		
KWM40+00N 07+7	BW	7/21/2010	354699.5	6942808.063	grey		0 - 20	45	TILL	2	ROCKY	
KWM40+00N 08+0	BW	7/21/2010	354725	6942806.5	grey	brown	0 - 20	45	TILL	3	ROCKY	
KWM40+00N 08+2	BW	7/21/2010	354750.5	6942804.9375								
KWM40+00N 08+5	BW	7/21/2010	354776	6942803.375	Brown		0 - 20	25	B	4		
KWM40+00N 08+7	BW	7/21/2010	354801.5	6942801.813	Brown		0 - 20	25	B	4		
KWM40+00N 09+0	BW	7/21/2010	354827	6942800.25	Brown		0 - 20	25	B	4		
KWM40+00N 09+2	BW	7/21/2010	354852.5	6942798.688	Brown	grey	0 - 20	25	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM40+00N 09+5	BW	7/21/2010	354878	6942797.125	Brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM40+00N 09+7	BW	7/21/2010	354903.5	6942795.563	Brown		0 - 20	25	B	4	ROCKY	
KWM40+00N 10+0	BW	7/21/2010	354929	6942794	Brown		0 - 20	25	B	3	ROCKY	
KWM40+00N 10+2	BW	7/21/2010	354954.375	6942792.625	Brown		0 - 20	25	B	4		
KWM40+00N 10+5	BW	7/21/2010	354979.75	6942791.25	Brown		0 - 20	25	B	4	ROCKY	
KWM40+00N 10+7	BW	7/21/2010	355005.125	6942789.875	Brown		0 - 20	35	B	4	ROCKY	
KWM40+00N 11+0	BW	7/21/2010	355030.5	6942788.5	Brown		0 - 20	25	TILL	3	ROCKY	
KWM40+00N 11+2	BW	7/21/2010	355055.875	6942787.125	Brown	grey	0 - 20	35	B	4		
KWM40+00N 11+5	BW	7/21/2010	355081.25	6942785.75	Brown	grey	0 - 20	25	TILL	3	ROCKY	5M PAST
KWM40+00N 11+7	BW	7/21/2010	355106.625	6942784.375	Brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM40+00N 12+0	BW	7/21/2010	355132	6942783	Brown	grey	0 - 20	35	TILL	3	LINE_START	ROCKY
KWM41+00N 00+0	ET	7/20/2010	353922	6942950	brown	grey	0 - 20	15	B	4	ROCKY	LINE_START
KWM41+00N 00+2	BK	7/21/2010	353947.75	6942948	tan	brown	0 - 20	15	B	4	ROCKY	
KWM41+00N 00+2	ET	7/20/2010	353898.7	6942951.3	brown	grey	0 - 20	15	B	4	ROCKY	
KWM41+00N 00+5	BK	7/21/2010	353973.5	6942946	tan	brown	0 - 20	15	TILL	1	ROCKY	
KWM41+00N 00+5	ET	7/20/2010	353875.4	6942952.6	brown	light	0 - 20	15	B	3	ROCKY	
KWM41+00N 00+7	BK	7/21/2010	353999.25	6942944	tan	brown	0 - 20	15	TILL	2	ROCKY	
KWM41+00N 00+7	ET	7/20/2010	353852.1	6942953.9	brown	light	0 - 20	15	B	3	ROCKY	
KWM41+00N 01+0	BK	7/21/2010	354025	6942942	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 01+0	ET	7/20/2010	353828.8	6942955.2	grey	dark	0 - 20	15	TILL	3		
KWM41+00N 01+2	BK	7/21/2010	354050.75	6942940	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 01+2	ET	7/20/2010	353805.5	6942956.5	grey	dark	0 - 20	15	TILL	1	PERMAFROST	
KWM41+00N 01+5	BK	7/21/2010	354076.5	6942938	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 01+5	ET	7/20/2010	353782.2	6942957.8	grey	dark	0 - 20	15	TILL	1	PERMAFROST	
KWM41+00N 01+7	BK	7/21/2010	354102.25	6942936	tan	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 01+7	ET	7/20/2010	353758.9	6942959.1	grey	dark	0 - 20	15	TILL	1	PERMAFROST	
KWM41+00N 02+0	BK	7/21/2010	354128	6942934	tan	brown	0 - 20	15	TILL	4	ROCKY	
KWM41+00N 02+0	ET	7/20/2010	353735.6	6942960.4	grey	dark	20 - 40	15	TILL	3	ROCKY	
KWM41+00N 02+2	BK	7/21/2010	354153.25	6942932.5								
KWM41+00N 02+2	ET	7/20/2010	353712.3	6942961.7	grey	dark	20 - 40	15	TILL	1	PERMAFROST	
KWM41+00N 02+5	BK	7/21/2010	354178.5	6942931	tan	brown	0 - 20	15	B	4	ROCKY	
KWM41+00N 02+5	ET	7/20/2010	353689	6942963	grey	dark	20 - 40	15	TILL	1	ROCKY	LINE_END
KWM41+00N 02+7	BK	7/21/2010	354203.75	6942929.5	tan	brown	0 - 20	15	B	3	ROCKY	
KWM41+00N 03+0	BK	7/21/2010	354229	6942928	tan	brown	0 - 20	15	B	4	ROCKY	
KWM41+00N 03+2	BK	7/21/2010	354254.25	6942926.5	tan	brown	0 - 20	15	B	4		
KWM41+00N 03+5	BK	7/21/2010	354279.5	6942925	tan	brown	0 - 20	15	B	4	ORGANIC	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM41+00N 03+7	BK	7/21/2010	354304.75	6942923.5	tan	brown	0 - 20	15	B	4	5M BEFORE	
KWM41+00N 04+0	BK	7/21/2010	354330	6942922	orange	brown	0 - 20	15	B	4	ROCKY	
KWM41+00N 04+2	BK	7/21/2010	354356.375	6942925	orange	brown	0 - 20	15	B	4		
KWM41+00N 04+5	BK	7/21/2010	354382.75	6942928	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 04+7	BK	7/21/2010	354409.125	6942931	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 05+0	BK	7/21/2010	354435.5	6942934	grey	brown	0 - 20	15	B	3	ROCKY	
KWM41+00N 05+2	BK	7/21/2010	354461.875	6942937	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 05+5	BK	7/21/2010	354488.25	6942940	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 05+7	BK	7/21/2010	354514.625	6942943	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 06+0	BK	7/21/2010	354541	6942946								
KWM41+00N 06+2	BK	7/21/2010	354565.5	6942940.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 06+5	BK	7/21/2010	354590	6942935	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 06+7	BK	7/21/2010	354614.5	6942929.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 07+0	BK	7/21/2010	354639	6942924	grey	brown	0 - 20	15	TILL	1	ROCKY	
KWM41+00N 07+2	BK	7/21/2010	354663.5	6942918.5								
KWM41+00N 07+5	BK	7/21/2010	354688	6942913	grey	brown	0 - 20	15	TILL	1	ORGANIC	
KWM41+00N 07+7	BK	7/21/2010	354712.5	6942907.5								
KWM41+00N 08+0	BK	7/21/2010	354737	6942902								
KWM41+00N 08+2	BK	7/21/2010	354763.375	6942900.875								
KWM41+00N 08+5	BK	7/21/2010	354789.75	6942899.75	orange	brown	0 - 20	15	B	3	ORGANIC	
KWM41+00N 08+7	BK	7/21/2010	354816.125	6942898.625	orange	brown	0 - 20	15	B	3	ORGANIC	
KWM41+00N 09+0	BK	7/21/2010	354842.5	6942897.5	orange	brown	0 - 20	15	B	3	ROCKY	
KWM41+00N 09+2	BK	7/21/2010	354895.25	6942895.25	orange	brown	0 - 20	15	B	4		
KWM41+00N 09+5	BK	7/21/2010	354921.625	6942894.125	orange	brown	0 - 20	15	B	4	ROCKY	
KWM41+00N 09+7	BK	7/21/2010	354948	6942893	grey	brown	0 - 20	15	TILL	1	ROCKY	
KWM41+00N 10+0	BK	7/21/2010	354973.25	6942891.5	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM41+00N 10+2	BK	7/21/2010	354998.5	6942890	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 10+5	BK	7/21/2010	355023.75	6942888.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 10+7	BK	7/21/2010	355049	6942887	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 11+0	BK	7/21/2010	355074.25	6942885.5	grey	brown	0 - 20	15	B	3	ROCKY	
KWM41+00N 11+2	BK	7/21/2010	355099.5	6942884	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 11+5	BK	7/21/2010	355124.75	6942882.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 11+7	BK	7/21/2010	355150	6942881	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM41+00N 12+0	BK	7/21/2010	354868.875	6942896.375	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 00+0	ET	7/20/2010	353938.07364	6943052.755725	brown	grey	0 - 20	15	TILL	3	ROCKY	LINE_START
KWM42+00N 00+2	AH	7/20/2010	353963.06312	6943048.647764	grey	brown	0 - 20	15	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM42+00N 00+2	ET	7/20/2010	353915.31444	6943053.786259	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 00+5	AH	7/20/2010	353988.05260	6943044.539804								
KWM42+00N 00+5	ET	7/20/2010	353892.55523	6943054.816794	brown	grey	0 - 20	15	TILL	4		
KWM42+00N 00+7	AH	7/20/2010	354013.04208	6943040.431843								
KWM42+00N 00+7	ET	7/20/2010	353869.79603	6943055.847328	brown	grey	0 - 20	15	TILL	4	ORGANIC	
KWM42+00N 01+0	AH	7/20/2010	354038.03156	6943036.323882								
KWM42+00N 01+0	ET	7/20/2010	353847.03682	6943056.877863								
KWM42+00N 01+2	AH	7/20/2010	354063.02104	6943032.215921	brown		0 - 20	15	TILL	3	ROCKY	
KWM42+00N 01+2	ET	7/20/2010	353824.27762	6943057.908397	grey	dark	20 - 40	15	TILL	3	ORGANIC	PERMAFROST
KWM42+00N 01+5	AH	7/20/2010	354088.01052	6943028.107961	brown		0 - 20	15	B	3	ROCKY	
KWM42+00N 01+5	ET	7/20/2010	353801.51841	6943058.938931	grey	dark	20 - 40	15	TILL	3	ORGANIC	ROCKY
KWM42+00N 01+7	AH	7/20/2010	354113	6943024	brown		0 - 20	15	B	4		
KWM42+00N 01+7	ET	7/20/2010	353778.75921	6943059.969466	grey	brown	20 - 40	15	TILL	2	ORGANIC	
KWM42+00N 02+0	AH	7/20/2010	354139.33333	6943023.777778								
KWM42+00N 02+0	ET	7/20/2010	353756	6943061	grey	brown	20 - 40	15	TILL	2	ORGANIC	
KWM42+00N 02+2	AH	7/20/2010	354165.66667	6943023.555556	brown		0 - 20	15	C	3	ROCKY	
KWM42+00N 02+2	ET	7/20/2010	353729.5	6943061	grey	brown	20 - 40	15	TILL	3	ORGANIC	
KWM42+00N 02+5	AH	7/20/2010	354192	6943023.333333	brown		0 - 20	15	B	4		
KWM42+00N 02+5	ET	7/20/2010	353703	6943061	grey	brown	0 - 20	15	TILL	2	PERMAFROST	
KWM42+00N 02+7	AH	7/20/2010	354218.33333	6943023.111111	brown		0 - 20	15	B	4		
KWM42+00N 02+7	ET	7/20/2010	353676.5	6943061	grey	brown	0 - 20	15	TILL	2		
KWM42+00N 03+0	AH	7/20/2010	354244.66667	6943022.888889	brown	grey	0 - 20	15	B	4	ROCKY	
KWM42+00N 03+0	ET	7/20/2010	353650	6943061	grey	brown	0 - 20	15	TILL	2		
KWM42+00N 03+2	AH	7/20/2010	354271	6943022.666667	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 03+2	ET	7/20/2010	353623.5	6943061	grey	brown	0 - 20	15	TILL	3	ORGANIC	
KWM42+00N 03+5	AH	7/20/2010	354297.33333	6943022.444444	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 03+5	ET	7/20/2010	353597	6943061	grey	brown	0 - 20	15	TILL	3	LINE_END	
KWM42+00N 03+7	AH	7/20/2010	354323.66667	6943022.222222	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 04+0	AH	7/20/2010	354350	6943022	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 04+2	AH	7/20/2010	354375.625	6943021.375	grey	brown	0 - 20	15	TILL	4	ROCKY	
KWM42+00N 04+5	AH	7/20/2010	354401.25	6943020.75	grey		0 - 20	15	TILL	2	PERMAFROST	
KWM42+00N 04+7	AH	7/20/2010	354426.875	6943020.125	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM42+00N 05+0	AH	7/20/2010	354452.5	6943019.5	brown		0 - 20	15	TILL	2	ROCKY	
KWM42+00N 05+2	AH	7/20/2010	354478.125	6943018.875	brown		0 - 20	15	B	3	ROCKY	
KWM42+00N 05+5	AH	7/20/2010	354503.75	6943018.25	brown	light	0 - 20	15	B	3	ROCKY	
KWM42+00N 05+7	AH	7/20/2010	354529.375	6943017.625	brown	light	0 - 20	15	B	4		

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM42+00N 06+0	AH	7/20/2010	354555	6943017	brown	light	0 - 20	15	B	3	ROCKY	
KWM42+00N 06+2	AH	7/20/2010	354579.875	6943015	brown	grey	0 - 20	15	A	1	PERMAFROST	
KWM42+00N 06+5	AH	7/20/2010	354604.75	6943013	brown	grey	0 - 20	15	A	2	ORGANIC	
KWM42+00N 06+7	AH	7/20/2010	354629.625	6943011	brown	grey	0 - 20	15	TILL	1	PERMAFROST	
KWM42+00N 07+0	AH	7/20/2010	354654.5	6943009	brown	grey	0 - 20	15	TILL	1	PERMAFROST	
KWM42+00N 07+2	AH	7/20/2010	354679.375	6943007	brown	grey	0 - 20	15	TILL	1	PERMAFROST	
KWM42+00N 07+5	AH	7/20/2010	354704.25	6943005	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 07+7	AH	7/20/2010	354729.125	6943003	brown	grey	0 - 20	15	B	3	ROCKY	
KWM42+00N 08+0	AH	7/20/2010	354754	6943001	brown	grey	0 - 20	15	B	3	ROCKY	
KWM42+00N 08+2	AH	7/20/2010	354779.125	6943000.625	brown		0 - 20	15	B	3	ROCKY	
KWM42+00N 08+5	AH	7/20/2010	354804.25	6943000.25	brown		0 - 20	15	B	4		
KWM42+00N 08+7	AH	7/20/2010	354829.375	6942999.875	black	brown	0 - 20	15	TILL	3	ORGANIC	
KWM42+00N 09+0	AH	7/20/2010	354854.5	6942999.5	grey	brown	0 - 20	15	B	4		
KWM42+00N 09+2	AH	7/20/2010	354879.625	6942999.125	grey		0 - 20	15	TILL	2	ROCKY	
KWM42+00N 09+5	AH	7/20/2010	354904.75	6942998.75	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM42+00N 09+7	AH	7/20/2010	354929.875	6942998.375	grey	brown	0 - 20	15	B	3		
KWM42+00N 10+0	AH	7/20/2010	354955	6942998	grey		0 - 20	15	TILL	3		
KWM42+00N 10+2	AH	7/20/2010	354979.75	6942996	grey		0 - 20	15	TILL	3	ROCKY	
KWM42+00N 10+5	AH	7/20/2010	355004.5	6942994	grey		0 - 20	15	TILL	3		
KWM42+00N 10+7	AH	7/20/2010	355029.25	6942992	grey		0 - 20	15	TILL	3	ROCKY	
KWM42+00N 11+0	AH	7/20/2010	355054	6942990	grey		0 - 20	15	TILL	3		
KWM42+00N 11+2	AH	7/20/2010	355078.75	6942988	grey		0 - 20	15	TILL	3		
KWM42+00N 11+5	AH	7/20/2010	355103.5	6942986	grey		0 - 20	15	TILL	3		
KWM42+00N 11+7	AH	7/20/2010	355128.25	6942984	grey	brown	0 - 20	15	TILL	3		
KWM42+00N 12+0	AH	7/20/2010	355153	6942982	grey	brown	0 - 20	15	TILL	3		
KWM43+00N 00+0	BK	7/19/2010	353925	6943144	dark	grey	0 - 20	25	TILL	2	ROCKY	
KWM43+00N 00+2	BK	7/19/2010	353950.375	6943144	dark	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 00+2	ET	7/20/2010	353901.0625	6943144.9375	grey	brown	0 - 20	15	TILL	3	PERMAFROST	
KWM43+00N 00+5	BK	7/19/2010	353975.75	6943144	dark	grey	0 - 20	25	TILL	2	ROCKY	
KWM43+00N 00+5	ET	7/20/2010	353877.125	6943145.875	grey	brown	0 - 20	15	A	3		
KWM43+00N 00+7	BK	7/19/2010	354001.125	6943144	dark	grey	0 - 20	25	TILL	2	ROCKY	PERMAFROST
KWM43+00N 00+7	ET	7/20/2010	353853.1875	6943146.8125	brown		0 - 20	35	B	3		
KWM43+00N 01+0	BK	7/19/2010	354026.5	6943144	dark	grey	0 - 20	25	TILL	2	ROCKY	PERMAFROST
KWM43+00N 01+0	ET	7/20/2010	353829.25	6943147.75	brown		0 - 20	15	TILL	3	ROCKY	
KWM43+00N 01+2	BK	7/19/2010	354051.875	6943144	dark	grey	0 - 20	25	TILL	3	ORGANIC	
KWM43+00N 01+2	ET	7/20/2010	353805.3125	6943148.6875	brown		0 - 20	15	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM43+00N 01+5	BK	7/19/2010	354077.25	6943144	dark	grey	0 - 20	25	TILL	3	ORGANIC	
KWM43+00N 01+5	ET	7/20/2010	353781.375	6943149.625	grey	brown	20 - 40	15	TILL	3	ROCKY	
KWM43+00N 01+7	BK	7/19/2010	354102.625	6943144	dark	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 01+7	ET	7/20/2010	353757.4375	6943150.5625	grey	brown	20 - 40	15	TILL	3	ROCKY	ORGANIC
KWM43+00N 02+0	BK	7/19/2010	354128	6943144	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 02+0	AH	7/19/2010	353733.5	6943151.5	grey	brown	0 - 20	15	B	2	ROCKY	
KWM43+00N 02+2	BW	7/18/2010	354154.25	6943141.875	Brown	dark	0 - 20	25	B	4	LINE_START	
KWM43+00N 02+2	AH	7/19/2010	353709.5625	6943152.4375	grey	brown	0 - 20	15	B	3	ROCKY	
KWM43+00N 02+5	BW	7/18/2010	354180.5	6943139.75	Brown	dark	0 - 20	25	B	4		
KWM43+00N 02+5	AH	7/19/2010	353685.625	6943153.375	grey	brown	0 - 20	15	TILL	1	ROCKY	
KWM43+00N 02+7	BW	7/18/2010	354206.75	6943137.625	Brown	dark	0 - 20	15	B	4	ROCKY	
KWM43+00N 02+7	AH	7/19/2010	353661.6875	6943154.3125	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM43+00N 03+0	BW	7/18/2010	354233	6943135.5								
KWM43+00N 03+0	AH	7/19/2010	353637.75	6943155.25	grey	brown	0 - 20	15	TILL	3		
KWM43+00N 03+2	BW	7/18/2010	354259.25	6943133.375	Brown	dark	0 - 20	25	B	4	ROCKY	
KWM43+00N 03+2	AH	7/19/2010	353613.8125	6943156.1875	grey	brown	0 - 20	15	A	2	ORGANIC	
KWM43+00N 03+5	BW	7/18/2010	354285.5	6943131.25								
KWM43+00N 03+5	AH	7/19/2010	353589.875	6943157.125	grey	brown	0 - 20	15	A	1		
KWM43+00N 03+7	BW	7/18/2010	354311.05682	6943131	Brown	dark	0 - 20	35	A	3	ORGANIC	PERMAFROST
KWM43+00N 03+7	AH	7/19/2010	353565.9375	6943158.0625	grey	brown	0 - 20	15	A	2		
KWM43+00N 04+0	BK	7/19/2010	354336.61364	6943130.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 04+0	AH	7/19/2010	353542	6943159	grey	brown	0 - 20	15	A	2		
KWM43+00N 04+2	BK	7/19/2010	354362.17045	6943130.5	brown	orange	0 - 20	25	B	4		
KWM43+00N 04+5	BK	7/19/2010	354387.72727	6943130.25								
KWM43+00N 04+7	BK	7/19/2010	354413.28409	6943130								
KWM43+00N 05+0	BK	7/19/2010	354438.84091	6943129.75								
KWM43+00N 05+2	BK	7/19/2010	354464.39773	6943129.5								
KWM43+00N 05+5	BK	7/19/2010	354489.95455	6943129.25	grey		0 - 20	25	TILL	1	PERMAFROST	ORGANIC
KWM43+00N 05+7	BK	7/19/2010	354515.51136	6943129	brown		0 - 20	25	B	3	ROCKY	
KWM43+00N 06+0	BK	7/19/2010	354541.06818	6943128.75	brown		0 - 20	25	B	3	ROCKY	
KWM43+00N 06+2	BK	7/19/2010	354566.625	6943128.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 06+5	BK	7/19/2010	354592.25	6943130	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 06+7	BK	7/19/2010	354617.875	6943131.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 07+0	BK	7/19/2010	354643.5	6943133	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 07+2	BK	7/19/2010	354669.125	6943134.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 07+5	BK	7/19/2010	354694.75	6943136	brown	grey	0 - 20	25	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM43+00N 07+7	BK	7/19/2010	354720.375	6943137.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 08+0	BK	7/19/2010	354746	6943139	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 08+2	BK	7/19/2010	354772	6943135.375	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 08+5	BK	7/19/2010	354798	6943131.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 08+7	BK	7/19/2010	354824	6943128.125	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 09+0	BK	7/19/2010	354850	6943124.5	brown	grey	0 - 20	25	TILL	3	ROCKY	PERMAFROST
KWM43+00N 09+2	BK	7/19/2010	354876	6943120.875	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 09+5	BK	7/19/2010	354902	6943117.25	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 09+7	BK	7/19/2010	354928	6943113.625	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+00N 10+0	BK	7/19/2010	354954	6943110	brown	orange	0 - 20	25	B	3	ROCKY	
KWM43+00N 10+2	BK	7/19/2010	354980.125	6943108.375	brown	orange	0 - 20	25	B	3	ROCKY	
KWM43+00N 10+5	BK	7/19/2010	355006.25	6943106.75	brown	grey	0 - 20	25	B	3	ROCKY	
KWM43+00N 10+7	BK	7/19/2010	355032.375	6943105.125	brown	grey	0 - 20	25	B	4	ROCKY	
KWM43+00N 11+0	BK	7/19/2010	355058.5	6943103.5	brown	grey	0 - 20	25	B	4		
KWM43+00N 11+2	BK	7/19/2010	355084.625	6943101.875	brown	grey	0 - 20	25	TILL	4		
KWM43+00N 11+5	BK	7/19/2010	355110.75	6943100.25	brown	orange	0 - 20	25	TILL	3		ROCKY
KWM43+00N 11+7	BK	7/19/2010	355136.875	6943098.625								
KWM43+00N 12+0	BK	7/19/2010	355163	6943097	brown	grey	0 - 20	25	TILL	3	LINE_END	ROCKY
KWM43+50N 03+7	LJ	7/27/2010	354085	6943190	brown		0 - 20	25	B	3	ROCKY	LINE_START
KWM43+50N 04+0	LJ	7/27/2010	354110.11111	6943189.666667	brown	orange	0 - 20	25	B	4		
KWM43+50N 04+2	LJ	7/27/2010	354135.22222	6943189.333333	brown	orange	0 - 20	25	B	3	ROCKY	
KWM43+50N 04+5	LJ	7/27/2010	354160.33333	6943189	brown	orange	0 - 20	25	B	3	ROCKY	
KWM43+50N 04+7	LJ	7/27/2010	354185.44444	6943188.666667	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+50N 05+0	LJ	7/27/2010	354210.55556	6943188.333333	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+50N 05+1	LJ	7/27/2010	354220.6	6943188.2	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+50N 05+2	LJ	7/27/2010	354230.64444	6943188.066667	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+50N 05+3	LJ	7/27/2010	354240.68889	6943187.933333	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+50N 05+4	LJ	7/27/2010	354250.73333	6943187.8	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM43+50N 05+5	LJ	7/27/2010	354260.77778	6943187.666667	brown	grey	0 - 20	25	B	3	ROCKY	
KWM43+50N 05+7	LJ	7/27/2010	354285.88889	6943187.333333	brown	grey	0 - 20	25	B	3	ROCKY	
KWM43+50N 06+0	LJ	7/27/2010	354311	6943187	brown	grey	0 - 20	25	B	3	ROCKY	LINE_END
KWM44+00N 00+0	AH	7/19/2010	353710	6943280	grey	brown	20 - 40	15	TILL	3	ROCKY	ORGANIC
KWM44+00N 00+2	AH	7/19/2010	353735.77778	6943277	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM44+00N 00+2	AH	7/19/2010			grey	brown	20 - 40	15	TILL	3	ROCKY	ORGANIC
KWM44+00N 00+5	AH	7/19/2010	353761.55556	6943274	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM44+00N 00+5	AH	7/19/2010	353658.8	6943291.4	grey		0 - 20	15	TILL	2	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM44+00N 00+7	AH	7/19/2010	353787.33333	6943271	grey		0 - 20	15	TILL	2	ROCKY	
KWM44+00N 00+7	AH	7/19/2010	353633.2	6943297.1	grey		0 - 20	15	TILL	2	ROCKY	
KWM44+00N 01+0	AH	7/19/2010	353813.11111	6943268	grey		0 - 20	15	B	3	ROCKY	
KWM44+00N 01+0	AH	7/19/2010	353607.6	6943302.8	grey		0 - 20	15	TILL	1	PERMAFROST	
KWM44+00N 01+2	AH	7/19/2010	353838.88889	6943265	grey		0 - 20	15	B	3		
KWM44+00N 01+2	AH	7/19/2010	353582	6943308.5	grey		0 - 20	15	TILL	2		
KWM44+00N 01+5	AH	7/19/2010	353864.66667	6943262	grey		0 - 20	15	B	3	ROCKY	
KWM44+00N 01+5	AH	7/19/2010	353556.4	6943314.2	grey		20 - 40	15	TILL	3		
KWM44+00N 01+7	AH	7/19/2010	353890.44444	6943259	grey		0 - 20	15	B	2	ROCKY	
KWM44+00N 01+7	AH	7/19/2010	353530.8	6943319.9	grey		0 - 20	15	TILL	3		
KWM44+00N 02+0	AH	7/19/2010	353916.22222	6943256	black		0 - 20	15	B	3	ORGANIC	
KWM44+00N 02+0	AH	7/19/2010	353505.2	6943325.6	grey		0 - 20	15	TILL	3		
KWM44+00N 02+2	AH	7/19/2010	353942	6943253	black		0 - 20	15	A	2	ORGANIC	
KWM44+00N 02+2	AH	7/19/2010	353479.6	6943331.3	grey		0 - 20	15	TILL	2		
KWM44+00N 02+5	AH	7/19/2010	353454	6943337	grey		0 - 20	15	TILL	2		
KWM44+00N 08+0	BK	7/18/2010	354518	6943219	Brown	orange	0 - 20	25	B	4	LINE_START	
KWM44+00N 08+2	BK	7/18/2010	354544.875	6943214.375	Brown	grey	0 - 20	25	TILL	2	PERMAFROST	
KWM44+00N 08+5	BK	7/18/2010	354571.75	6943209.75	Brown	grey	0 - 20	25	TILL	3	PERMAFROST	
KWM44+00N 08+7	BK	7/18/2010	354598.625	6943205.125	Brown	grey	0 - 20	25	TILL	3		
KWM44+00N 09+0	BK	7/18/2010	354625.5	6943200.5	beige	grey	0 - 20	25	TILL	3		
KWM44+00N 09+2	BK	7/18/2010	354652.375	6943195.875	beige	grey	0 - 20	25	TILL	3		
KWM44+00N 09+5	BK	7/18/2010	354679.25	6943191.25	beige	grey	0 - 20	25	TILL	3	ORGANIC	
KWM44+00N 09+7	BK	7/18/2010	354706.125	6943186.625	beige	grey	0 - 20	25	TILL	3	ORGANIC	
KWM44+00N 10+0	BK	7/18/2010	354733	6943182	beige	grey	0 - 20	25	TILL	3	ORGANIC	
KWM44+00N 10+2	BK	7/18/2010	354759.125	6943180.625								
KWM44+00N 10+5	BK	7/18/2010	354785.25	6943179.25	beige	grey	0 - 20	25	TILL	3	ORGANIC	
KWM44+00N 10+7	BK	7/18/2010	354811.375	6943177.875	beige	grey	0 - 20	25	TILL	3		
KWM44+00N 11+0	BK	7/18/2010	354837.5	6943176.5	beige	grey	0 - 20	25	TILL	3	ROCKY	
KWM44+00N 11+2	BK	7/18/2010	354863.625	6943175.125	beige	grey	0 - 20	25	TILL	3	ROCKY	
KWM44+00N 11+5	BK	7/18/2010	354889.75	6943173.75	brown	orange	0 - 20	25	TILL	3	ROCKY	
KWM44+00N 11+7	BK	7/18/2010	354915.875	6943172.375	brown	orange	0 - 20	25	TILL	4	ROCKY	
KWM44+00N 12+0	BK	7/18/2010	354942	6943171	brown	orange	0 - 20	25	TILL	4	ROCKY	
KWM44+00N 12+2	BK	7/19/2010	354971.875	6943170.375	brown	orange	0 - 20	25	TILL	4	ROCKY	
KWM44+00N 12+5	BK	7/19/2010	355001.75	6943169.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM44+00N 12+7	BK	7/19/2010	355031.625	6943169.125	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM44+00N 13+0	BK	7/19/2010	355061.5	6943168.5	brown	grey	0 - 20	25	TILL	3	ROCKY	PERMAFROST

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM44+00N 13+2	BK	7/19/2010	355091.375	6943167.875	brown	grey	0 - 20	25	TILL	3		
KWM44+00N 13+5	BK	7/19/2010	355121.25	6943167.25								
KWM44+00N 13+7	BK	7/19/2010	355151.125	6943166.625	brown	orange	0 - 20	25	TILL	4		
KWM44+00N 14+0	BK	7/19/2010	355181	6943166	brown	grey	0 - 20	25	TILL	3	LINE_END	10M PAST
KWM44+50N 03+0	AH	7/18/2010	354039	6943305	grey	dark	0 - 20	15	TILL	3	ORGANIC	
KWM44+50N 03+2	AH	7/18/2010	354062.42857	6943303.428571	grey		0 - 20	15	TILL	3	ROCKY	
KWM44+50N 03+5	AH	7/18/2010	354085.85714	6943301.857143								
KWM44+50N 03+7	AH	7/18/2010	354109.28571	6943300.285714								
KWM44+50N 04+0	AH	7/18/2010	354132.71429	6943298.714286	brown		0 - 20	15	TILL	3		
KWM44+50N 04+2	AH	7/18/2010	354156.14286	6943297.142857	black		0 - 20	15	B	3		
KWM44+50N 04+5	AH	7/18/2010	354179.57143	6943295.571429	Brown		0 - 20	25	B	3		
KWM44+50N 04+7	AH	7/18/2010	354203	6943294	Brown		0 - 20	25	B	3	ROCKY	
KWM45+00N 03+2	LJ	7/27/2010	354041	6943343	grey	brown	0 - 20	25	B	3	ROCKY	LINE_END
KWM45+00N 03+5	LJ	7/27/2010	354061.5	6943345.5	brown	grey	0 - 20	25	B	3	ROCKY	
KWM45+00N 03+7	LJ	7/27/2010	354082	6943348	brown	grey	0 - 20	25	TILL	4	ROCKY	
KWM45+00N 04+0	LJ	7/27/2010	354109.4	6943346.2	brown	grey	0 - 20	25	TILL	4	ROCKY	
KWM45+00N 04+2	LJ	7/27/2010	354136.8	6943344.4	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM45+00N 04+5	LJ	7/27/2010	354164.2	6943342.6	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM45+00N 04+7	LJ	7/27/2010	354191.6	6943340.8	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM45+00N 05+0	LJ	7/27/2010	354219	6943339	brown	dark	0 - 20	25	B	3	ORGANIC	LINE_START
KWM46+50N 00+0	BW	7/24/2010	353728	6943499	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM46+50N 00+2	BW	7/24/2010	353753	6943498.4	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM46+50N 00+2	BW	7/24/2010	353703.875	6943502.625	grey	grey	20 - 40	15	TILL	3	ROCKY	
KWM46+50N 00+5	BW	7/24/2010	353778	6943497.8								
KWM46+50N 00+5	BW	7/24/2010	353679.75	6943506.25	grey	grey	20 - 40	15	TILL	2	ROCKY	ORGANIC
KWM46+50N 00+7	BW	7/24/2010	353803	6943497.2	grey	grey	20 - 40	15	TILL	3	ROCKY	
KWM46+50N 00+7	BW	7/24/2010	353655.625	6943509.875	grey	grey	20 - 40	45	TILL	3	ROCKY	
KWM46+50N 01+0	BW	7/24/2010	353828	6943496.6	grey	grey	20 - 40	25	TILL	3	ROCKY	
KWM46+50N 01+0	BW	7/24/2010	353631.5	6943513.5	brown	brown	20 - 40	35	B	4		
KWM46+50N 01+2	BW	7/24/2010	353853	6943496	grey	grey	20 - 40	15	TILL	3	ROCKY	ORGANIC
KWM46+50N 01+2	BW	7/24/2010	353607.375	6943517.125	grey	grey	20 - 40	25	B	3		
KWM46+50N 01+5	BW	7/24/2010	353583.25	6943520.75	grey	grey	20 - 40	25	TILL	3	ROCKY	
KWM46+50N 01+7	BW	7/24/2010	353559.125	6943524.375	grey	grey	20 - 40	25	TILL	2	ROCKY	
KWM46+50N 02+0	BW	7/24/2010	353535	6943528	grey	black	20 - 40	15	TILL	2	ROCKY	
KWM46+50N 02+2	LJ	7/26/2010	353938	6943496	dark	grey	0 - 20	25	TILL	3	ROCKY	ORGANIC
KWM46+50N 02+2	BW	7/24/2010	353509.375	6943528.875	grey	black	20 - 40	15	TILL	1	PERMAFROST	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM46+50N 02+5	LJ	7/26/2010	353964.42857	6943495	dark	grey	0 - 20	25	TILL	3	ROCKY	ORGANIC
KWM46+50N 02+5	BW	7/24/2010	353483.75	6943529.75	grey	black	20 - 40	15	TILL	1	PERMAFROST	
KWM46+50N 02+7	LJ	7/26/2010	353990.85714	6943494	brown	orange	0 - 20	25	B	4		
KWM46+50N 02+7	BW	7/24/2010	353458.125	6943530.625	brown	brown	0 - 20	15	TILL	1	ASH	ROCKY
KWM46+50N 03+0	LJ	7/26/2010	354017.28571	6943493	brown	grey	0 - 20	25	TILL	2	ROCKY	
KWM46+50N 03+0	BW	7/24/2010	353432.5	6943531.5	brown	brown	0 - 20	15	C	5		ROCKY
KWM46+50N 03+2	LJ	7/26/2010	354043.71429	6943492	brown	grey	0 - 20	25	TILL	2	ROCKY	
KWM46+50N 03+2	BW	7/24/2010	353406.875	6943532.375	brown	brown	0 - 20	15	C	4	SMALL_SAMPLE	ROCKY
KWM46+50N 03+5	LJ	7/26/2010	354070.14286	6943491	brown	orange	0 - 20	25	B	2	ROCKY	
KWM46+50N 03+5	BW	7/24/2010	353381.25	6943533.25	grey	grey	0 - 20	15	TILL	3	ROCKY	ROCKY
KWM46+50N 03+7	LJ	7/26/2010	354096.57143	6943490	brown		0 - 20	25	B	3	ROCKY	
KWM46+50N 03+7	BW	7/24/2010	353355.625	6943534.125	brown	brown	0 - 20	25	B	4	ROCKY	
KWM46+50N 04+0	LJ	7/26/2010	354123	6943489	brown		0 - 20	25	B	3	ROCKY	
KWM46+50N 04+0	BW	7/24/2010	353330	6943535	brown	brown	0 - 20	15	B	4		
KWM46+50N 04+2	LJ	7/26/2010	354148.5	6943488.25	brown		0 - 20	25	B	3	ROCKY	
KWM46+50N 04+2	BW	7/24/2010	353305	6943535	brown	brown	20 - 40	25	B	4		
KWM46+50N 04+5	LJ	7/26/2010	354174	6943487.5	brown	orange	0 - 20	25	B	3	ROCKY	
KWM46+50N 04+5	BW	7/24/2010	353280	6943535	grey	grey	20 - 40	15	A	2	ORGANIC	LINE_END
KWM46+50N 04+7	LJ	7/26/2010	354199.5	6943486.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM46+50N 05+0	LJ	7/26/2010	354225	6943486	brown	grey	0 - 20	25	TILL	3	ROCKY	LINE_END
KWM47+00N 01+0	LJ	7/26/2010	353839	6943549	dark	grey	20 - 40	25	TILL	3	LINE_START	ROCKY
KWM47+00N 01+2	LJ	7/26/2010	353860.25	6943550.5	dark	grey	20 - 40	25	TILL	3		ROCKY
KWM47+00N 01+5	LJ	7/26/2010	353881.5	6943552	grey		20 - 40	25	TILL	3		
KWM47+00N 01+5	BW	7/24/2010	353532	6943574	grey	brown	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 01+7	LJ	7/26/2010	353902.75	6943553.5	grey		20 - 40	25	TILL	3		
KWM47+00N 01+7	BW	7/24/2010	353504.5	6943574.5	brown	brown	0 - 20	15	C	2	ROCKY	
KWM47+00N 02+0	LJ	7/26/2010	353924	6943555	brown		20 - 40	25	B	3	ROCKY	
KWM47+00N 02+0	BW	7/24/2010	353477	6943575	brown	brown	0 - 20	15	C	2	ROCKY	SMALL_SAMPLE
KWM47+00N 02+2	LJ	7/26/2010	353950.125	6943553.5	brown	orange	0 - 20	25	B	4	ROCKY	
KWM47+00N 02+2	BW	7/24/2010	353449.5	6943575.5	brown	brown	0 - 20	15	C	3	ROCKY	SMALL_SAMPLE
KWM47+00N 02+5	LJ	7/26/2010	353976.25	6943552	brown	orange	0 - 20	25	B	4	ROCKY	
KWM47+00N 02+5	BW	7/24/2010	353422	6943576								
KWM47+00N 02+7	LJ	7/26/2010	354002.375	6943550.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 02+7	BW	7/24/2010	353399.77778	6943577.555556	brown	brown	0 - 20	15	C	3	ROCKY	
KWM47+00N 03+0	LJ	7/26/2010	354028.5	6943549	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 03+0	BW	7/24/2010	353377.55556	6943579.111111	brown	brown	20 - 40	25	C	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM47+00N 03+2	LJ	7/26/2010	354054.625	6943547.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 03+2	BW	7/24/2010	353355.33333	6943580.666667	brown	brown	0 - 20	15	C	2	ROCKY	ORGANIC
KWM47+00N 03+5	LJ	7/26/2010	354080.75	6943546	brown	orange	0 - 20	25	B	4	ROCKY	
KWM47+00N 03+5	BW	7/24/2010	353333.11111	6943582.222222	brown	brown	0 - 20	25	B	3	ROCKY	
KWM47+00N 03+7	LJ	7/26/2010	354106.875	6943544.5	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+00N 03+7	BW	7/24/2010	353310.88889	6943583.777778	brown	orange	0 - 20	15	B	2	ORGANIC	SMALL_SAMPLE
KWM47+00N 04+0	LJ	7/26/2010	354133	6943543								
KWM47+00N 04+0	BW	7/24/2010	353288.66667	6943585.333333	brown	orange	0 - 20	15	B	4		
KWM47+00N 04+2	LJ	7/26/2010	354157.25	6943541	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 04+2	BW	7/24/2010	353266.44444	6943586.888889	brown	brown	0 - 20	15	B	4	ORGANIC	
KWM47+00N 04+5	LJ	7/26/2010	354181.5	6943539	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 04+5	BW	7/24/2010	353244.22222	6943588.444444	brown	brown	0 - 20	15	B	1	ORGANIC	
KWM47+00N 04+7	LJ	7/26/2010	354205.75	6943537	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 04+7	BW	7/24/2010	353222	6943590	brown	brown	20 - 40	15	B	4		LINE_START
KWM47+00N 05+0	LJ	7/26/2010	354230	6943535	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 05+2	LJ	7/26/2010	354254.25	6943533	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 05+5	LJ	7/26/2010	354278.5	6943531	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+00N 05+7	LJ	7/26/2010	354302.75	6943529	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 06+0	LJ	7/26/2010	354327	6943527	brown		0 - 20	25	B	3	ROCKY	
KWM47+00N 06+2	LJ	7/26/2010	354353	6943526	grey		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 06+5	LJ	7/26/2010	354379	6943525	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 06+7	LJ	7/26/2010	354405	6943524	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 07+0	LJ	7/26/2010	354431	6943523	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+00N 07+2	LJ	7/26/2010	354457	6943522	brown	grey	0 - 20	25	B	3	ROCKY	
KWM47+00N 07+5	LJ	7/26/2010	354483	6943521	brown	grey	0 - 20	25	B	3	ROCKY	
KWM47+00N 07+7	LJ	7/26/2010	354509	6943520	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 08+0	LJ	7/26/2010	354535	6943519	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 08+2	LJ	7/26/2010	354561	6943518	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+00N 08+5	LJ	7/26/2010	354587	6943517	brown	orange	0 - 20	25	B	3	ROCKY	LINE_END
KWM47+50N 00+0	BW	7/26/2010	353731.56424	6943630.039824	brown	brown	40 - 60	15	B	4	LINE_END	
KWM47+50N 00+2	BW	7/26/2010	353709.05139	6943628.631859	brown	brown	20 - 40	15	B	3	ROCKY	
KWM47+50N 00+5	BW	7/26/2010	353686.53854	6943627.223895	brown	brown	0 - 20	15	B	4		
KWM47+50N 00+7	BW	7/26/2010	353664.02569	6943625.81593	brown	brown	0 - 20	15	B	4		
KWM47+50N 01+0	BW	7/26/2010	353641.51285	6943624.407965	brown	brown	0 - 20	15	B	4		
KWM47+50N 01+2	BW	7/26/2010	353619	6943623	grey	brown	0 - 20	15	B	4		
KWM47+50N 01+5	BW	7/26/2010	353591.625	6943624.625	grey	grey	0 - 20	15	A	2	ORGANIC	ROCKY

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM47+50N 01+7	BW	7/26/2010	353564.25	6943626.25								
KWM47+50N 02+0	LJ	7/26/2010	353927	6943602	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+50N 02+0	BW	7/26/2010	353536.875	6943627.875								
KWM47+50N 02+2	LJ	7/26/2010	353951.125	6943600.5	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+50N 02+2	BW	7/26/2010	353509.5	6943629.5	grey	grey	0 - 20	15	TILL	3	ROCKY	
KWM47+50N 02+5	LJ	7/26/2010	353975.25	6943599	brown	grey	0 - 20	25	TILL	2	ROCKY	
KWM47+50N 02+5	BW	7/26/2010	353482.125	6943631.125								
KWM47+50N 02+7	LJ	7/26/2010	353999.375	6943597.5	brown	grey	0 - 20	25	TILL	1	ROCKY	
KWM47+50N 02+7	BW	7/26/2010	353454.75	6943632.75	grey	grey	0 - 20	15	A	2	ORGANIC	
KWM47+50N 03+0	LJ	7/26/2010	354023.5	6943596	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 03+0	BW	7/26/2010	353427.375	6943634.375	grey	grey	0 - 20	15	B	4		
KWM47+50N 03+2	LJ	7/26/2010	354047.625	6943594.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 03+2	BW	7/26/2010	353400	6943636	grey	grey	0 - 20	15	TILL	3	ROCKY	
KWM47+50N 03+5	LJ	7/26/2010	354071.75	6943593	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 03+5	BW	7/26/2010	353375.875	6943636.625	brown	brown	0 - 20	15	C	3	ROCKY	
KWM47+50N 03+7	LJ	7/26/2010	354095.875	6943591.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 03+7	BW	7/26/2010	353351.75	6943637.25	grey	grey	0 - 20	25	TILL	2	ROCKY	
KWM47+50N 04+0	LJ	7/26/2010	354120	6943590	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 04+0	BW	7/26/2010	353327.625	6943637.875	grey	grey	0 - 20	15	B	3	ORGANIC	
KWM47+50N 04+2	LJ	7/26/2010	354145.375	6943589.375	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 04+2	BW	7/26/2010	353303.5	6943638.5	brown	brown	0 - 20	15	C	3	ROCKY	
KWM47+50N 04+5	LJ	7/26/2010	354170.75	6943588.75	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 04+5	BW	7/26/2010	353279.375	6943639.125	brown	grey	0 - 20	15	TILL	2	ROCKY	ROCKY
KWM47+50N 04+7	LJ	7/26/2010	354196.125	6943588.125	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 04+7	BW	7/26/2010	353255.25	6943639.75								
KWM47+50N 05+0	LJ	7/26/2010	354221.5	6943587.5	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 05+0	BW	7/26/2010	353231.125	6943640.375	grey	grey	0 - 20	15	C	1	SMALL_SAMPLE	ROCKY
KWM47+50N 05+2	LJ	7/26/2010	354246.875	6943586.875	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 05+2	BW	7/26/2010	353207	6943641	grey	brown	0 - 20	25	TILL	2	LINE_START	ROCKY
KWM47+50N 05+5	LJ	7/26/2010	354272.25	6943586.25	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 05+7	LJ	7/26/2010	354297.625	6943585.625	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 06+0	LJ	7/26/2010	354323	6943585	brown	grey	0 - 20	25	TILL	3	ROCKY	
KWM47+50N 06+2	LJ	7/26/2010	354349.9	6943582.5	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+50N 06+5	LJ	7/26/2010	354375.8	6943581	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+50N 06+7	LJ	7/26/2010	354401.7	6943579.5	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+50N 07+0	LJ	7/26/2010	354427.6	6943578	brown		0 - 20	25	TILL	3	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM47+50N 07+2	LJ	7/26/2010	354453.5	6943576.5	brown		0 - 20	25	TILL	2	ROCKY	
KWM47+50N 07+5	LJ	7/26/2010	354479.4	6943575	brown		0 - 20	25	TILL	2	ROCKY	
KWM47+50N 07+7	LJ	7/26/2010	354505.3	6943573.5	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+50N 08+0	LJ	7/26/2010	354531.2	6943572	brown	orange	0 - 20	25	B	3	ROCKY	
KWM47+50N 08+2	LJ	7/26/2010	354557.1	6943570.5	brown		0 - 20	25	TILL	3	ROCKY	
KWM47+50N 08+5	LJ	7/26/2010	354583	6943569	brown	orange	0 - 20	25	B	3	ROCKY	LINE_END
KWM48+00N 03+7	BW	7/26/2010	354103.11706	6943649.595236	grey	grey	0 - 20	25	B	3	LINE_START	ROCKY
KWM48+00N 04+0	BW	7/26/2010	354129.10243	6943648.645832	grey	grey	0 - 20	25	TILL	3	ROCKY	
KWM48+00N 04+2	BW	7/26/2010	354155.08779	6943647.696427	grey	grey	0 - 20	25	TILL	2	ROCKY	ORGANIC
KWM48+00N 04+5	BW	7/26/2010	354181.07316	6943646.747023	brown	brown	0 - 20	15	B	4	ROCKY	
KWM48+00N 04+7	BW	7/26/2010	354207.05853	6943645.797618	brown	brown	0 - 20	15	B	3	ROCKY	
KWM48+00N 05+0	BW	7/26/2010	354233.0439	6943644.848214	brown	brown	0 - 20	15	B	3	ROCKY	
KWM48+00N 05+2	BW	7/26/2010	354259.02926	6943643.898809	grey	brown	0 - 20	15	B	3	ROCKY	
KWM48+00N 05+5	BW	7/26/2010	354285.01463	6943642.949405	brown	brown	0 - 20	15	B	4	ROCKY	
KWM48+00N 05+7	BW	7/26/2010	354311	6943642	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM48+00N 06+0	BW	7/26/2010	354336.25	6943641.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM48+00N 06+2	BW	7/26/2010	354361.5	6943641	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM48+00N 06+5	BW	7/26/2010	354386.75	6943640.5	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM48+00N 06+7	BW	7/26/2010	354412	6943640	brown	brown	0 - 20	15	B	4	ROCKY	
KWM48+00N 07+0	BW	7/26/2010	354437.25	6943639.5	brown	brown	0 - 20	15	B	4	ROCKY	
KWM48+00N 07+2	BW	7/26/2010	354462.5	6943639	brown	brown	0 - 20	15	B	3	ROCKY	
KWM48+00N 07+5	BW	7/26/2010	354487.75	6943638.5	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM48+00N 07+7	BW	7/26/2010	354513	6943638	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM48+00N 08+0	BW	7/26/2010	354537.83462	6943635.64953	brown	grey	0 - 20	15	TILL	2	ROCKY	
KWM48+00N 08+2	BW	7/26/2010	354562.66924	6943633.29906	grey	grey	0 - 20	25	A	2	ROCKY	LINE_END
KWM50+50N 03+0	LJ	7/27/2010	354042	6943900	brown	grey	0 - 20	45	TILL	2	ROCKY	LINE_START
KWM50+50N 03+2	LJ	7/27/2010	354066.91667	6943899.5	brown	grey	0 - 20	45	B	3	ROCKY	
KWM50+50N 03+5	LJ	7/27/2010	354091.83333	6943899	brown	grey	0 - 20	45	B	3	ROCKY	ORGANIC
KWM50+50N 03+7	LJ	7/27/2010	354116.75	6943898.5	brown	grey	0 - 20	45	B	3	ROCKY	ORGANIC
KWM50+50N 04+0	LJ	7/27/2010	354141.66667	6943898	brown	grey	0 - 20	35	B	3	ROCKY	ORGANIC
KWM50+50N 04+2	LJ	7/27/2010	354166.58333	6943897.5	brown	grey	0 - 20	35	B	4	ROCKY	ORGANIC
KWM50+50N 04+5	LJ	7/27/2010	354191.5	6943897	brown	grey	0 - 20	35	B	4	ROCKY	ORGANIC
KWM50+50N 04+7	LJ	7/27/2010	354216.41667	6943896.5	brown	grey	0 - 20	35	TILL	2	ROCKY	
KWM50+50N 05+0	LJ	7/27/2010	354241.33333	6943896	brown	grey	0 - 20	35	TILL	2	ROCKY	
KWM50+50N 05+2	LJ	7/27/2010	354266.25	6943895.5	brown	grey	0 - 20	35	TILL	2	ROCKY	
KWM50+50N 05+5	LJ	7/27/2010	354291.16667	6943895	brown	grey	0 - 20	35	TILL	2	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM50+50N 05+7	LJ	7/27/2010	354316.08333	6943894.5	brown	orange	0 - 20	35	B	3	ROCKY	
KWM50+50N 06+0	LJ	7/27/2010	354341	6943894	brown	orange	0 - 20	35	B	3	ROCKY	LINE_END
KWM51+50N 02+7	BK	7/28/2010	354019	6944002	orange	brown	0 - 20	15	B	3	ROCKY	
KWM51+50N 03+0	BK	7/28/2010	354044	6944000.4	grey	brown	0 - 20	15	B	2	ORGANIC	
KWM51+50N 03+2	BK	7/28/2010	354069	6943998.8	grey	brown	0 - 20	15	TILL	2	ROCKY	PERMAFROST
KWM51+50N 03+5	BK	7/28/2010	354094	6943997.2	grey	brown	0 - 20	15	TILL	2	PERMAFROST	ORGANIC
KWM51+50N 03+7	BK	7/28/2010	354119	6943995.6	grey	brown	0 - 20	15	TILL	2	PERMAFROST	ORGANIC
KWM51+50N 04+0	BK	7/28/2010	354144	6943994	grey	brown	0 - 20	15	B	3		
KWM51+50N 04+2	BK	7/28/2010	354169	6943991.2	grey	brown	0 - 20	15	B	3		
KWM51+50N 04+5	BK	7/28/2010	354194	6943988.4	grey	brown	0 - 20	15	B	1	ORGANIC	
KWM51+50N 04+7	BK	7/28/2010	354219	6943985.6	grey	brown	0 - 20	15	B	1	ORGANIC	
KWM51+50N 05+0	BK	7/28/2010	354244	6943982.8	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM51+50N 05+2	BK	7/28/2010	354269	6943980	brown	grey	0 - 20	15	TILL	3	ROCKY	
KWM55+00N 00+0	BK	7/28/2010	353759	6944380	orange	brown	0 - 20	15	B	3	ROCKY	
KWM55+00N 00+2	BK	7/28/2010	353736.4	6944382	orange	brown	0 - 20	15	B	3	ROCKY	
KWM55+00N 00+5	BK	7/28/2010	353713.8	6944384	orange	brown	0 - 20	15	B	3	ROCKY	
KWM55+00N 00+7	BK	7/28/2010	353691.2	6944386	orange	brown	0 - 20	15	B	4		
KWM55+00N 01+0	BK	7/28/2010	353668.6	6944388	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM55+00N 01+2	BK	7/28/2010	353646	6944390	grey	brown	0 - 20	15	B	4	ROCKY	
KWM55+00N 01+5	BK	7/28/2010	353620.25	6944391	grey	brown	0 - 20	15	B	1	ORGANIC	
KWM55+00N 01+7	BK	7/28/2010	353594.5	6944392	grey	brown	0 - 20	15	C	2	ROCKY	
KWM55+00N 02+0	BK	7/28/2010	353568.75	6944393	grey	brown	0 - 20	15	C	2	ROCKY	
KWM55+00N 02+2	BK	7/28/2010	353543	6944394	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM55+00N 02+5	BK	7/28/2010	353517.25	6944395	grey	brown	0 - 20	15	TILL	2	ROCKY	
KWM55+00N 02+7	BK	7/28/2010	353491.5	6944396	grey	brown	0 - 20	15	TILL	3	ROCKY	
KWM55+00N 03+0	BK	7/28/2010	353465.75	6944397	orange	brown	0 - 20	15	TILL	4	ROCKY	
KWM55+00N 03+2	BK	7/28/2010	353440	6944398	orange	brown	0 - 20	15	B	4	ROCKY	
KWM55+00N 03+5	BK	7/28/2010	353409.8187	6944398.934579	dark	grey	0 - 20	15	TILL	2	ROCKY	
KWM55+00N 03+7	BK	7/28/2010	353387.13031	6944398.943925	dark	grey	0 - 20	15	TILL	2	ROCKY	ORGANIC
KWM55+00N 04+0	BK	7/28/2010	353364.44193	6944398.953271	dark	grey	0 - 20	15	A	2	ROCKY	
KWM55+00N 04+2	BK	7/28/2010	353341.75354	6944398.962617	dark	grey	0 - 20	15	A	2	ROCKY	
KWM55+00N 04+5	BK	7/28/2010	353319.06516	6944398.971963	dark	grey	0 - 20	15	TILL	1	ROCKY	
KWM55+00N 04+7	BK	7/28/2010	353296.37677	6944398.981308	dark	grey	0 - 20	15	B	2	ORGANIC	ASH
KWM55+00N 05+0	BK	7/28/2010	353273.68839	6944398.990654	dark	grey	0 - 20	15	B	2	ORGANIC	ASH
KWM55+00N 05+2	BK	7/28/2010	353251	6944399	dark	grey	0 - 20	15	B	2	ORGANIC	ASH
KWM55+00N 05+5	BK	7/28/2010	353225.24409	6944402.116093	dark	grey	0 - 20	15	B	2	ORGANIC	ASH

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
KWM55+00N 05+7	BK	7/28/2010	353199.48817	6944405.232186	dark	grey	0 - 20	15	B	2	ORGANIC	
KWM55+00N 06+0	BK	7/28/2010	353173.73226	6944408.348278	dark	grey	0 - 20	15	A	1	ORGANIC	
KWM55+00N 06+2	BK	7/28/2010	353147.97635	6944411.464371	dark	grey	0 - 20	15	A	1	ORGANIC	
KWM55+00N 06+5	BK	7/28/2010	353122.22043	6944414.580464	dark	grey	0 - 20	15	B	3	ROCKY	
KWM55+00N 06+7	BK	7/28/2010	353096.46452	6944417.696557	dark	grey	0 - 20	15	B	4	ORGANIC	
KWM55+00N 07+0	BK	7/28/2010	353070.70861	6944420.81265	dark	grey	0 - 20	15	TILL	2	ROCKY	
KWM55+00N 07+2	BK	7/28/2010	353044.95269	6944423.928743								
KWM56+00N 00+0	ET	7/28/2010	353765	6944483	brown		20 - 40	25	TILL	2	ROCKY	LINE_START
KWM56+00N 00+2	ET	7/28/2010	353739.11111	6944483.666667	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 00+5	ET	7/28/2010	353713.22222	6944484.333333	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 00+7	ET	7/28/2010	353687.33333	6944485	brown		20 - 40	25	B	3	ROCKY	
KWM56+00N 01+0	ET	7/28/2010	353661.44444	6944485.666667	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 01+2	ET	7/28/2010	353635.55556	6944486.333333	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 01+5	ET	7/28/2010	353609.66667	6944487	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 01+7	ET	7/28/2010	353583.77778	6944487.666667	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 02+0	ET	7/28/2010	353557.88889	6944488.333333								
KWM56+00N 02+2	ET	7/28/2010	353532	6944489								
KWM56+00N 02+5	ET	7/28/2010	353506.85714	6944491.142857	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 02+7	ET	7/28/2010	353481.71429	6944493.285714	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 03+0	ET	7/28/2010	353456.57143	6944495.428571	brown		0 - 20	25	B	3		
KWM56+00N 03+2	ET	7/28/2010	353431.42857	6944497.571429	brown		0 - 20	25	B	1	ROCKY	
KWM56+00N 03+5	ET	7/28/2010	353406.28571	6944499.714286	brown		0 - 20	25	B	2	ROCKY	
KWM56+00N 03+7	ET	7/28/2010	353381.14286	6944501.857143	brown		0 - 20	25	B	2	ROCKY	
KWM56+00N 04+0	ET	7/28/2010	353356	6944504	brown		0 - 20	25	B	3	ROCKY	
KWM56+00N 04+2	ET	7/28/2010	353330.75	6944505.875	brown	grey	0 - 20	25	B	4		
KWM56+00N 04+5	ET	7/28/2010	353305.5	6944507.75	grey	dark	0 - 20	25	TILL	1		
KWM56+00N 04+7	ET	7/28/2010	353280.25	6944509.625	grey		0 - 20	25	TILL	2	ROCKY	
KWM56+00N 05+0	ET	7/28/2010	353255	6944511.5	grey		0 - 20	25	TILL	2	ROCKY	
KWM56+00N 05+2	ET	7/28/2010	353229.75	6944513.375	grey		0 - 20	25	TILL	2	ROCKY	
KWM56+00N 05+5	ET	7/28/2010	353204.5	6944515.25	grey	brown	0 - 20	25	TILL	2	ROCKY	
KWM56+00N 05+7	ET	7/28/2010	353179.25	6944517.125								
KWM56+00N 06+0	ET	7/28/2010	353154	6944519	grey	brown	0 - 20	25	TILL	2	ROCKY	IN_CLEARCUT
LJKWD001	LJ	7/18/2010	354049	6943546	brown	orange	0 - 20	65	B	4	ROCKY	
LJKWD002	LJ	7/18/2010	354049	6943546	brown	orange	0 - 20	75	TILL	4	ROCKY	
LJKWD003	LJ	7/18/2010	354049	6943546	grey		0 - 20	85	TILL	4	ROCKY	
LJKWD004	LJ	7/18/2010	354049	6943546	grey	beige	0 - 20	105	TILL	4	ROCKY	

Appendix 4.2 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
LJKWD005	LJ	7/18/2010	354049	6943546	grey	beige	0 - 20	115	TILL	4	ROCKY	
LJKWD006	LJ	7/18/2010	354049	6943546	grey	beige	0 - 20	115	TILL	4	ROCKY	
LJKWD007	LJ	7/18/2010	354049	6943546	grey	beige	0 - 20	15	B	4	ROCKY	
LJKWD008	LJ	7/18/2010	354049	6943546	tan	orange	0 - 20	65	B	4		
LJKWD009	LJ	7/18/2010	354049	6943546	light	grey	0 - 20	65	TILL	4	ROCKY	
LJKWD010	LJ	7/27/2010	354243	6943200	brown	grey	0 - 20	15	B	3	ROCKY	
LJKWD011	LJ	7/27/2010	354246	6943188	brown	grey	0 - 20	45	C	3	ROCKY	

Appendix 4.3 - Silt Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Turbitiy*	*Depth (cm)*	*Size (1-5)*	*Quality (1-5)*
BWKWS001	BW	7/28/2010	353133	6944504	LOW	15	5	2
ETKWS001	ET	7/24/2010	363007	6944520	HIGH	5	2	1
ETKWS002	ET	7/25/2010	351677	6945142	VERY LOW	15	5	3
ETKWS003	ET	7/25/2010	353980	6942555	HIGH	15	4	3

Appendix V – Analytical Certificates

5.1 – Rock Samples
5.2 - Soil/Silt Samples and MMI

5.1 – Rock Samples

CERTIFICATE OF ASSAY AW 2010-8077

TerraLogic Exploration Inc. 2-Sep-10
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

No. of samples received: 32
Sample Type: Rock
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

		Metallic Assay	
		Au	**Au**
ET #.	**Tag #**	**(g/t)**	**oz/t)**
1	LJKWR001	0.12	0.003
2	LJKWR002	<0.03	<0.001
3	AHKWR001	0.43	0.013
4	AHKWR002	<0.03	<0.001
5	AHKWR003	<0.03	<0.001
6	AHKWR004	<0.03	<0.001
7	AHKWR005	<0.03	<0.001
8	AHKWR006	<0.03	<0.001
9	AHKWR007	<0.03	<0.001
10	AHKWR008	<0.03	<0.001
11	AHKWR009	<0.03	<0.001
12	AHKWR010	<0.03	<0.001
13	AHKWR011	<0.03	<0.001
14	AHKWR012	<0.03	<0.001
15	BWKWR001	0.08	0.002
16	BWKWR002	0.36	0.010
17	BWKWR003	0.19	0.006
18	BWKWR004	0.31	0.009
19	BWKWR005	0.16	0.005
20	BWKWR006	0.49	0.014
21	BWKWR007	0.17	0.005
22	BWKWR008	<0.03	<0.001
23	BWKWR009	<0.03	<0.001
24	BWKWR010	0.20	0.006
25	BWKWR011	<0.03	<0.001
26	BWKWR012	0.04	0.001

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

TerraLogic Exploration Inc. AW2010-8077 2-Sep-10

ET #.	Tag #	*Metallic Assay* Au (g/t)	Au oz/t)
27	BWKWR013	0.05	0.001
28	BWKWR014	0.08	0.002
29	BWKWR015	0.09	0.003
30	BWKWR016	0.11	0.003
31	BWKWR017	0.04	0.001
32	BWKWR018	0.07	0.002
33	BWKWR019	0.12	0.003
34	BWKWR020	0.03	0.001
35	BWKWR021	0.06	0.002
QC DATA:			
Repeat:			
1	LJKWR001	0.10	0.003
Standard:			
OXK79		3.54	0.103
OXK79		3.50	0.102
OXi67		1.87	0.055

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/kk
XLS/10

CERTIFICATE OF ASSAY AW 2010-8077

TerraLogic Exploration Inc. 2-Sep-10
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

No. of samples received: 32
Sample Type: Rock
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

		Metallic Assay	
		Au	**Au**
ET #.	**Tag #**	**(g/t)**	**oz/t)**
1	LJKWR001	0.12	0.003
2	LJKWR002	<0.03	<0.001
3	AHKWR001	0.43	0.013
4	AHKWR002	<0.03	<0.001
5	AHKWR003	<0.03	<0.001
6	AHKWR004	<0.03	<0.001
7	AHKWR005	<0.03	<0.001
8	AHKWR006	<0.03	<0.001
9	AHKWR007	<0.03	<0.001
10	AHKWR008	<0.03	<0.001
11	AHKWR009	<0.03	<0.001
12	AHKWR010	<0.03	<0.001
13	AHKWR011	<0.03	<0.001
14	AHKWR012	<0.03	<0.001
15	BWKWR001	0.08	0.002
16	BWKWR002	0.36	0.010
17	BWKWR003	0.19	0.006
18	BWKWR004	0.31	0.009
19	BWKWR005	0.16	0.005
20	BWKWR006	0.49	0.014
21	BWKWR007	0.17	0.005
22	BWKWR008	<0.03	<0.001
23	BWKWR009	<0.03	<0.001
24	BWKWR010	0.20	0.006
25	BWKWR011	<0.03	<0.001
26	BWKWR012	0.04	0.001

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

TerraLogic Exploration Inc. AW2010-8077 2-Sep-10

ET #.	Tag #	*Metallic Assay* Au (g/t)	Au oz/t)
27	BWKWR013	0.05	0.001
28	BWKWR014	0.08	0.002
29	BWKWR015	0.09	0.003
30	BWKWR016	0.11	0.003
31	BWKWR017	0.04	0.001
32	BWKWR018	0.07	0.002
33	BWKWR019	0.12	0.003
34	BWKWR020	0.03	0.001
35	BWKWR021	0.06	0.002
QC DATA:			
Repeat:			
1	LJKWR001	0.10	0.003
Standard:			
OXK79		3.54	0.103
OXK79		3.50	0.102
OXi67		1.87	0.055

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/kk
XLS/10

2-Sep-10

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2010-8077

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

Values in ppm unless otherwise reported

No. of samples received: 32
Sample Type: Rock
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

Et #.	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	Ni	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
1	LJKWR001	0.3	0.18	4965	24	<1	<5	0.01	<1	3	156	10	3.55	<5	0.10	6	<2	<0.01	15	<1	0.01	8	40	12	2.87	40	<1	<10	<5	14	<0.01	<5	6	<5	2	2
2	LJKWR002	<0.2	1.50	10	114	<1	<5	0.56	<1	6	96	6	3.08	<5	0.09	18	44	0.87	495	1	0.08	5	520	18	0.73	<5	7	<10	<5	28	0.02	<5	64	<5	14	54
3	AHKWR001	0.6	0.32	>10000	32	<1	<5	0.08	<1	2	142	18	4.08	<5	0.10	<2	2	0.02	20	1	0.01	15	840	15	2.27	160	2	10	<5	98	<0.01	<5	14	<5	2	20
4	AHKWR002	<0.2	1.42	15	286	<1	<5	1.25	<1	7	78	4	2.64	<5	0.15	26	28	0.66	690	1	0.04	5	490	18	0.03	<5	4	<10	<5	38	<0.01	<5	30	<5	16	70
5	AHKWR003	<0.2	0.44	65	368	<1	<5	0.03	<1	6	72	8	2.80	<5	0.15	12	6	0.03	250	1	0.01	9	290	18	0.03	10	3	<10	<5	98	<0.01	<5	8	<5	6	84
6	AHKWR004	<0.2	1.05	15	258	1	<5	0.06	<1	14	26	68	3.26	<5	0.26	28	16	0.18	105	3	0.01	38	510	27	0.06	10	5	<10	<5	38	<0.01	<5	26	<5	6	186
7	AHKWR005	<0.2	1.27	5	142	<1	<5	0.95	<1	7	104	14	3.17	<5	0.14	26	22	0.55	135	1	0.05	7	410	9	0.61	<5	5	<10	<5	26	0.02	<5	34	<5	17	32
8	AHKWR006	0.4	0.56	100	568	1	<5	0.03	<1	11	48	60	2.69	<5	0.17	6	4	0.04	600	2	0.01	41	400	18	0.10	20	4	<10	<5	86	<0.01	<5	18	<5	10	142
9	AHKWR007	0.4	0.49	90	408	1	<5	0.11	<1	8	62	46	2.57	<5	0.16	6	2	0.05	310	2	<0.01	32	430	18	0.09	15	3	<10	<5	96	<0.01	<5	22	<5	7	132
10	AHKWR008	0.5	0.50	180	64	<1	<5	0.13	<1	6	92	62	4.65	<5	0.11	4	12	0.32	455	2	0.01	28	560	42	1.79	20	4	<10	<5	68	<0.01	<5	62	<5	6	116
11	AHKWR009	0.6	0.57	360	64	<1	<5	0.16	<1	7	82	92	2.93	<5	0.15	<2	6	0.13	285	4	0.01	38	1120	33	1.53	35	4	<10	<5	100	<0.01	<5	58	<5	8	214
12	AHKWR010	0.7	0.45	610	26	<1	<5	0.09	<1	3	150	60	4.19	<5	0.06	<2	14	0.10	95	2	0.01	17	550	57	2.65	20	2	<10	<5	66	<0.01	<5	36	<5	5	104
13	AHKWR011	<0.2	0.44	5	186	<1	<5	0.21	<1	6	62	6	2.93	<5	0.12	32	8	0.05	675	1	0.02	8	480	30	<0.01	<5	5	<10	<5	16	<0.01	<5	14	<5	11	80
14	AHKWR012	<0.2	0.71	15	28	<1	<5	1.12	<1	7	96	8	3.59	<5	0.13	8	16	0.19	470	1	0.01	14	480	21	2.07	<5	2	<10	<5	68	<0.01	<5	4	<5	9	68
15	BWKWR001	<0.2	0.19	3655	298	<1	<5	0.08	<1	<1	150	112	0.79	<5	0.10	6	<2	0.01	65	1	<0.01	6	190	3	0.21	30	1	<10	<5	46	<0.01	<5	12	<5	2	6
16	BWKWR002	0.3	0.30	>10000	50	<1	<5	0.13	<1	2	160	12	2.64	<5	0.08	<2	2	0.03	30	4	<0.01	21	1080	15	1.70	120	3	10	<5	116	<0.01	<5	26	<5	3	82
17	BWKWR003	0.3	0.21	2820	36	<1	<5	0.04	<1	2	152	20	2.58	<5	0.09	6	<2	0.02	35	2	<0.01	9	110	18	1.92	35	<1	<10	<5	42	<0.01	<5	10	<5	2	18
18	BWKWR004	0.4	0.23	3590	80	<1	<5	0.01	<1	3	148	38	1.66	<5	0.10	4	<2	0.02	20	3	<0.01	14	140	12	1.08	50	<1	<10	<5	74	<0.01	<5	20	<5	2	28
19	BWKWR005	0.8	0.22	595	24	<1	<5	0.01	<1	1	134	20	2.70	<5	0.10	2	<2	0.01	15	2	<0.01	9	120	24	2.17	20	<1	20	<5	50	<0.01	<5	34	<5	1	6
20	BWKWR006	0.7	0.23	1215	104	<1	<5	0.04	<1	<1	104	20	1.14	<5	0.10	2	<2	0.01	15	2	<0.01	7	120	15	0.71	50	1	<10	<5	50	<0.01	<5	16	<5	1	34
21	BWKWR007	0.3	0.17	1390	288	<1	<5	0.04	<1	<1	192	22	0.75	<5	0.09	2	<2	0.01	25	1	<0.01	7	120	12	0.16	25	1	<10	<5	54	<0.01	<5	14	<5	2	8
22	BWKWR008	<0.2	0.30	115	220	<1	<5	0.09	<1	<1	84	4	0.92	<5	0.17	18	4	0.02	15	<1	<0.01	3	170	18	0.15	10	<1	<10	<5	90	<0.01	<5	6	<5	2	4
23	BWKWR009	<0.2	0.56	500	164	<1	<5	0.07	<1	6	88	8	2.16	<5	0.14	20	6	0.02	45	1	<0.01	28	640	21	0.07	10	4	<10	<5	64	<0.01	<5	18	<5	7	132
24	BWKWR010	0.5	0.25	240	264	<1	<5	0.02	<1	<1	80	<2	0.43	<5	0.14	18	<2	0.01	10	<1	<0.01	2	100	21	0.10	10	<1	<10	<5	20	<0.01	<5	6	<5	2	2
25	BWKWR011	<0.2	0.87	30	46	<1	<5	1.73	<1	8	84	4	3.00	<5	0.14	16	28	0.57	510	<1	0.02	5	530	24	1.91	<5	2	<10	<5	86	<0.01	<5	24	<5	10	54
26	BWKWR012	1.0	0.29	2040	218	<1	<5	0.08	<1	1	46	36	1.33	<5	0.14	10	<2	0.03	40	1	<0.01	4	340	15	0.06	60	1	<10	<5	40	<0.01	<5	12	<5	2	14
27	BWKWR013	0.7	0.29	3175	222	<1	<5	0.10	<1	3	58	28	2.22	<5	0.14	10	<2	0.03	60	3	0.01	11	350	15	0.14	75	3	<10	<5	64	<0.01	<5	14	<5	5	78
28	BWKWR014	0.4	0.25	1675	152	<1	<5	0.09	<1	3	120	12	2.19	<5	0.11	10	<2	0.02	80	2	0.01	7	400	15	0.39	20	3	<10	<5	46	<0.01	<5	6	<5	6	48
29	BWKWR015	0.4	0.26	695	140	<1	<5	0.07	<1	5	102	16	2.92	<5	0.11	12	<2	0.02	130	2	0.01	7	380	21	0.21	15	3	<10	<5	28	<0.01	<5	8	<5	7	74
30	BWKWR016	0.5	0.25	1450	108	<1	<5	0.04	<1	3	98	6	3.05	<5	0.13	10	<2	0.02	75	1	0.01	5	290	24	0.68	20	2	<10	<5	36	<0.01	<5	6	<5	4	44

Stewart Group
ECO TECH LABORATORY LTD.
ICP CERTIFICATE OF ANALYSIS AW 2010-8077
TerraLogic Exploration Inc.

Et #.	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	Ni	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
31	BWKWR017	0.5	0.29	375	66	<1	<5	0.03	<1	3	74	6	2.62	<5	0.14	10	2	0.02	65	1	0.01	5	260	18	1.13	10	2	<10	<5	28	<0.01	<5	8	<5	3	42
32	BWKWR018	0.3	0.26	1595	136	<1	<5	0.02	<1	2	80	2	1.94	<5	0.14	12	<2	0.01	45	<1	<0.01	4	260	21	0.42	20	2	<10	<5	32	<0.01	<5	6	<5	3	40
33	BWKWR019	0.3	0.27	4605	88	<1	<5	0.03	<1	3	78	4	2.54	<5	0.14	8	<2	0.02	45	<1	0.01	4	300	15	0.87	35	2	<10	<5	20	<0.01	<5	6	<5	3	28
34	BWKWR020	0.3	0.25	600	138	<1	<5	0.03	<1	2	76	2	1.63	<5	0.14	10	<2	0.02	45	1	<0.01	4	220	15	0.24	10	1	<10	<5	24	<0.01	<5	6	<5	3	30
35	BWKWR021	0.4	0.23	1420	188	<1	<5	0.03	<1	1	88	<2	1.37	<5	0.13	12	<2	0.02	30	<1	<0.01	4	170	15	0.15	20	<1	<10	<5	22	<0.01	<5	4	<5	2	18
QC DATA:																																				
Repeat:																																				
1	LJKWR001	0.3	0.17	4925	22	<1	<5	0.01	<1	3	154	12	3.52	<5	0.10	6	<2	<0.01	15	<1	0.01	8	40	12	2.84	40	<1	<10	<5	14	<0.01	<5	6	<5	2	2
10	AHKWR008	0.6	0.49	180	60	<1	<5	0.13	<1	6	92	64	4.71	<5	0.11	2	10	0.32	465	2	0.01	28	560	42	1.81	20	4	<10	<5	70	<0.01	<5	62	<5	6	116
19	BWKWR005	0.8	0.21	600	28	<1	<5	0.01	<1	1	130	20	2.73	<5	0.09	2	<2	0.01	15	2	<0.01	9	120	24	2.19	20	<1	20	<5	48	<0.01	<5	34	<5	1	6
Resplit:																																				
1	LJKWR001	0.3	0.17	5015	24	<1	<5	0.01	<1	3	146	12	3.60	<5	0.10	6	<2	<0.01	15	<1	0.01	7	40	12	2.82	40	<1	<10	<5	14	<0.01	<5	6	<5	2	4
Standard:																																				
Pb129a		11.7	0.82	5	62	<1	<5	0.47	58	5	12	1418	1.58	<5	0.10	4	<2	0.66	350	2	0.03	5	430	6195	0.79	15	<1	<10	<5	32	0.04	<5	18	<5	2	>10000

ICP: Aqua Regia Digest/ICP AES Finish
Ag: Aquia Regia Digest/AA Finish

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/kk
df/8077s
XLS/10

2-Sep-10

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2010-8077

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

Values in ppm unless otherwise reported

No. of samples received: 32
Sample Type: Rock
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

Et #.	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	Ni	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
1	LJKWR001	0.3	0.18	4965	24	<1	<5	0.01	<1	3	156	10	3.55	<5	0.10	6	<2	<0.01	15	<1	0.01	8	40	12	2.87	40	<1	<10	<5	14	<0.01	<5	6	<5	2	2
2	LJKWR002	<0.2	1.50	10	114	<1	<5	0.56	<1	6	96	6	3.08	<5	0.09	18	44	0.87	495	1	0.08	5	520	18	0.73	<5	7	<10	<5	28	0.02	<5	64	<5	14	54
3	AHKWR001	0.6	0.32	>10000	32	<1	<5	0.08	<1	2	142	18	4.08	<5	0.10	<2	2	0.02	20	1	0.01	15	840	15	2.27	160	2	10	<5	98	<0.01	<5	14	<5	2	20
4	AHKWR002	<0.2	1.42	15	286	<1	<5	1.25	<1	7	78	4	2.64	<5	0.15	26	28	0.66	690	1	0.04	5	490	18	0.03	<5	4	<10	<5	38	<0.01	<5	30	<5	16	70
5	AHKWR003	<0.2	0.44	65	368	<1	<5	0.03	<1	6	72	8	2.80	<5	0.15	12	6	0.03	250	1	0.01	9	290	18	0.03	10	3	<10	<5	98	<0.01	<5	8	<5	6	84
6	AHKWR004	<0.2	1.05	15	258	1	<5	0.06	<1	14	26	68	3.26	<5	0.26	28	16	0.18	105	3	0.01	38	510	27	0.06	10	5	<10	<5	38	<0.01	<5	26	<5	6	186
7	AHKWR005	<0.2	1.27	5	142	<1	<5	0.95	<1	7	104	14	3.17	<5	0.14	26	22	0.55	135	1	0.05	7	410	9	0.61	<5	5	<10	<5	26	0.02	<5	34	<5	17	32
8	AHKWR006	0.4	0.56	100	568	1	<5	0.03	<1	11	48	60	2.69	<5	0.17	6	4	0.04	600	2	0.01	41	400	18	0.10	20	4	<10	<5	86	<0.01	<5	18	<5	10	142
9	AHKWR007	0.4	0.49	90	408	1	<5	0.11	<1	8	62	46	2.57	<5	0.16	6	2	0.05	310	2	<0.01	32	430	18	0.09	15	3	<10	<5	96	<0.01	<5	22	<5	7	132
10	AHKWR008	0.5	0.50	180	64	<1	<5	0.13	<1	6	92	62	4.65	<5	0.11	4	12	0.32	455	2	0.01	28	560	42	1.79	20	4	<10	<5	68	<0.01	<5	62	<5	6	116
11	AHKWR009	0.6	0.57	360	64	<1	<5	0.16	<1	7	82	92	2.93	<5	0.15	<2	6	0.13	285	4	0.01	38	1120	33	1.53	35	4	<10	<5	100	<0.01	<5	58	<5	8	214
12	AHKWR010	0.7	0.45	610	26	<1	<5	0.09	<1	3	150	60	4.19	<5	0.06	<2	14	0.10	95	2	0.01	17	550	57	2.65	20	2	<10	<5	66	<0.01	<5	36	<5	5	104
13	AHKWR011	<0.2	0.44	5	186	<1	<5	0.21	<1	6	62	6	2.93	<5	0.12	32	8	0.05	675	1	0.02	8	480	30	<0.01	<5	5	<10	<5	16	<0.01	<5	14	<5	11	80
14	AHKWR012	<0.2	0.71	15	28	<1	<5	1.12	<1	7	96	8	3.59	<5	0.13	8	16	0.19	470	1	0.01	14	480	21	2.07	<5	2	<10	<5	68	<0.01	<5	4	<5	9	68
15	BWKWR001	<0.2	0.19	3655	298	<1	<5	0.08	<1	<1	150	112	0.79	<5	0.10	6	<2	0.01	65	1	<0.01	6	190	3	0.21	30	1	<10	<5	46	<0.01	<5	12	<5	2	6
16	BWKWR002	0.3	0.30	>10000	50	<1	<5	0.13	<1	2	160	12	2.64	<5	0.08	<2	2	0.03	30	4	<0.01	21	1080	15	1.70	120	3	10	<5	116	<0.01	<5	26	<5	3	82
17	BWKWR003	0.3	0.21	2820	36	<1	<5	0.04	<1	2	152	20	2.58	<5	0.09	6	<2	0.02	35	2	<0.01	9	110	18	1.92	35	<1	<10	<5	42	<0.01	<5	10	<5	2	18
18	BWKWR004	0.4	0.23	3590	80	<1	<5	0.01	<1	3	148	38	1.66	<5	0.10	4	<2	0.02	20	3	<0.01	14	140	12	1.08	50	<1	<10	<5	74	<0.01	<5	20	<5	2	28
19	BWKWR005	0.8	0.22	595	24	<1	<5	0.01	<1	1	134	20	2.70	<5	0.10	2	<2	0.01	15	2	<0.01	9	120	24	2.17	20	<1	20	<5	50	<0.01	<5	34	<5	1	6
20	BWKWR006	0.7	0.23	1215	104	<1	<5	0.04	<1	<1	104	20	1.14	<5	0.10	2	<2	0.01	15	2	<0.01	7	120	15	0.71	50	1	<10	<5	50	<0.01	<5	16	<5	1	34
21	BWKWR007	0.3	0.17	1390	288	<1	<5	0.04	<1	<1	192	22	0.75	<5	0.09	2	<2	0.01	25	1	<0.01	7	120	12	0.16	25	1	<10	<5	54	<0.01	<5	14	<5	2	8
22	BWKWR008	<0.2	0.30	115	220	<1	<5	0.09	<1	<1	84	4	0.92	<5	0.17	18	4	0.02	15	<1	<0.01	3	170	18	0.15	10	<1	<10	<5	90	<0.01	<5	6	<5	2	4
23	BWKWR009	<0.2	0.56	500	164	<1	<5	0.07	<1	6	88	8	2.16	<5	0.14	20	6	0.02	45	1	<0.01	28	640	21	0.07	10	4	<10	<5	64	<0.01	<5	18	<5	7	132
24	BWKWR010	0.5	0.25	240	264	<1	<5	0.02	<1	<1	80	<2	0.43	<5	0.14	18	<2	0.01	10	<1	<0.01	2	100	21	0.10	10	<1	<10	<5	20	<0.01	<5	6	<5	2	2
25	BWKWR011	<0.2	0.87	30	46	<1	<5	1.73	<1	8	84	4	3.00	<5	0.14	16	28	0.57	510	<1	0.02	5	530	24	1.91	<5	2	<10	<5	86	<0.01	<5	24	<5	10	54
26	BWKWR012	1.0	0.29	2040	218	<1	<5	0.08	<1	1	46	36	1.33	<5	0.14	10	<2	0.03	40	1	<0.01	4	340	15	0.06	60	1	<10	<5	40	<0.01	<5	12	<5	2	14
27	BWKWR013	0.7	0.29	3175	222	<1	<5	0.10	<1	3	58	28	2.22	<5	0.14	10	<2	0.03	60	3	0.01	11	350	15	0.14	75	3	<10	<5	64	<0.01	<5	14	<5	5	78
28	BWKWR014	0.4	0.25	1675	152	<1	<5	0.09	<1	3	120	12	2.19	<5	0.11	10	<2	0.02	80	2	0.01	7	400	15	0.39	20	3	<10	<5	46	<0.01	<5	6	<5	6	48
29	BWKWR015	0.4	0.26	695	140	<1	<5	0.07	<1	5	102	16	2.92	<5	0.11	12	<2	0.02	130	2	0.01	7	380	21	0.21	15	3	<10	<5	28	<0.01	<5	8	<5	7	74
30	BWKWR016	0.5	0.25	1450	108	<1	<5	0.04	<1	3	98	6	3.05	<5	0.13	10	<2	0.02	75	1	0.01	5	290	24	0.68	20	2	<10	<5	36	<0.01	<5	6	<5	4	44

Stewart Group
ECO TECH LABORATORY LTD.
ICP CERTIFICATE OF ANALYSIS AW 2010-8077
TerraLogic Exploration Inc.

Et #.	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	Ni	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
31	BWKWR017	0.5	0.29	375	66	<1	<5	0.03	<1	3	74	6	2.62	<5	0.14	10	2	0.02	65	1	0.01	5	260	18	1.13	10	2	<10	<5	28	<0.01	<5	8	<5	3	42
32	BWKWR018	0.3	0.26	1595	136	<1	<5	0.02	<1	2	80	2	1.94	<5	0.14	12	<2	0.01	45	<1	<0.01	4	260	21	0.42	20	2	<10	<5	32	<0.01	<5	6	<5	3	40
33	BWKWR019	0.3	0.27	4605	88	<1	<5	0.03	<1	3	78	4	2.54	<5	0.14	8	<2	0.02	45	<1	0.01	4	300	15	0.87	35	2	<10	<5	20	<0.01	<5	6	<5	3	28
34	BWKWR020	0.3	0.25	600	138	<1	<5	0.03	<1	2	76	2	1.63	<5	0.14	10	<2	0.02	45	1	<0.01	4	220	15	0.24	10	1	<10	<5	24	<0.01	<5	6	<5	3	30
35	BWKWR021	0.4	0.23	1420	188	<1	<5	0.03	<1	1	88	<2	1.37	<5	0.13	12	<2	0.02	30	<1	<0.01	4	170	15	0.15	20	<1	<10	<5	22	<0.01	<5	4	<5	2	18
QC DATA:																																				
Repeat:																																				
1	LJKWR001	0.3	0.17	4925	22	<1	<5	0.01	<1	3	154	12	3.52	<5	0.10	6	<2	<0.01	15	<1	0.01	8	40	12	2.84	40	<1	<10	<5	14	<0.01	<5	6	<5	2	2
10	AHKWR008	0.6	0.49	180	60	<1	<5	0.13	<1	6	92	64	4.71	<5	0.11	2	10	0.32	465	2	0.01	28	560	42	1.81	20	4	<10	<5	70	<0.01	<5	62	<5	6	116
19	BWKWR005	0.8	0.21	600	28	<1	<5	0.01	<1	1	130	20	2.73	<5	0.09	2	<2	0.01	15	2	<0.01	9	120	24	2.19	20	<1	20	<5	48	<0.01	<5	34	<5	1	6
Resplit:																																				
1	LJKWR001	0.3	0.17	5015	24	<1	<5	0.01	<1	3	146	12	3.60	<5	0.10	6	<2	<0.01	15	<1	0.01	7	40	12	2.82	40	<1	<10	<5	14	<0.01	<5	6	<5	2	4
Standard:																																				
Pb129a		11.7	0.82	5	62	<1	<5	0.47	58	5	12	1418	1.58	<5	0.10	4	<2	0.66	350	2	0.03	5	430	6195	0.79	15	<1	<10	<5	32	0.04	<5	18	<5	2	>10000

ICP: Aqua Regia Digest/ICP AES Finish
Ag: Aquia Regia Digest/AA Finish

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/kk
df/8077s
XLS/10

CERTIFICATE OF ANALYSIS AW 2010-8077

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

3-Sep-10

No. of samples received: 32
Sample Type: Rock
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

ET #.	Tag #	Au ppb
1	LJKWR001	120
2	LJKWR002	5
3	AHKWR001	415
4	AHKWR002	5
5	AHKWR003	5
6	AHKWR004	5
7	AHKWR005	<5
8	AHKWR006	5
9	AHKWR007	10
10	AHKWR008	10
11	AHKWR009	10
12	AHKWR010	25
13	AHKWR011	<5
14	AHKWR012	10
15	BWKWR001	55
16	BWKWR002	365
17	BWKWR003	200
18	BWKWR004	330
19	BWKWR005	190
20	BWKWR006	500
21	BWKWR007	185
22	BWKWR008	5
23	BWKWR009	10
24	BWKWR010	225
25	BWKWR011	<5
26	BWKWR012	45
27	BWKWR013	60
28	BWKWR014	75
29	BWKWR015	80
30	BWKWR016	95

TerraLogic Exploration Inc. AW10-8077 3-Sep-10

ET #.	Tag #	Au ppb
31	BWKWR017	40
32	BWKWR018	75
33	BWKWR019	120
34	BWKWR020	35
35	BWKWR021	65

QC DATA:

Repeat:

1	LJKWR001	120
10	AHKWR008	10
19	BWKWR005	185

Resplit:

1	LJKWR001	120

Standard:

OXE74	610

FA Geochem/AA Finish

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/nw
XLS/10

CERTIFICATE OF ANALYSIS AW 2010-8077

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

3-Sep-10

No. of samples received: 32
Sample Type: Rock
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

ET #.	Tag #	Au ppb
1	LJKWR001	120
2	LJKWR002	5
3	AHKWR001	415
4	AHKWR002	5
5	AHKWR003	5
6	AHKWR004	5
7	AHKWR005	<5
8	AHKWR006	5
9	AHKWR007	10
10	AHKWR008	10
11	AHKWR009	10
12	AHKWR010	25
13	AHKWR011	<5
14	AHKWR012	10
15	BWKWR001	55
16	BWKWR002	365
17	BWKWR003	200
18	BWKWR004	330
19	BWKWR005	190
20	BWKWR006	500
21	BWKWR007	185
22	BWKWR008	5
23	BWKWR009	10
24	BWKWR010	225
25	BWKWR011	<5
26	BWKWR012	45
27	BWKWR013	60
28	BWKWR014	75
29	BWKWR015	80
30	BWKWR016	95

TerraLogic Exploration Inc. AW10-8077 3-Sep-10

ET #.	Tag #	Au ppb
31	BWKWR017	40
32	BWKWR018	75
33	BWKWR019	120
34	BWKWR020	35
35	BWKWR021	65

QC DATA:

Repeat:

1	LJKWR001	120
10	AHKWR008	10
19	BWKWR005	185

Resplit:

1	LJKWR001	120

Standard:

OXE74	610

FA Geochem/AA Finish

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/nw
XLS/10

5.2 – Soil/Silt Samples and MMI

10-Sep-07

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2010- 8080

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

No. of samples received: 134
Sample Type:Soil
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

Values in ppm unless otherwise reported

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	KW48+00N 03+75E	3	0.3	0.95	9.0	380.0	0.16	0.81	0.41	7.6	14.0	25.9	2.07	2.9	100	0.05	11.0	0.39	247	1.04	0.026	20.5	774	12.75	0.04	1.08	2.6	1.6	43.5	0.04	2.3	0.005	0.06	1.4	34	0.2	71.5
2	KW48+00N 04+00E	2	0.1	0.81	11.1	279.0	0.14	0.36	0.39	7.4	11.5	17.0	1.96	2.3	35	0.04	6.5	0.27	320	1.60	0.025	15.5	372	11.07	0.04	1.52	1.2	0.7	25.0	0.04	1.1	0.005	0.06	0.5	32	0.2	73.4
3	KW48+00N 04+25E	2	0.3	0.79	7.0	565.0	0.16	0.68	0.59	5.1	9.0	17.3	1.53	2.7	45	0.03	7.5	0.18	490	1.13	0.029	11.3	433	10.70	0.06	0.82	1.0	0.9	38.0	0.04	0.9	0.006	0.06	1.2	28	0.2	43.1
4	KW48+00N 04+50E	1	0.1	0.75	10.4	233.0	0.18	0.08	0.27	6.3	9.5	11.5	1.91	3.1	15	0.04	9.5	0.20	295	1.68	0.022	11.2	518	8.79	0.02	1.18	0.7	0.5	9.5	0.04	0.6	0.003	0.06	0.3	36	0.2	56.7
5	KW48+00N 04+75E	1	<0.1	0.37	14.7	52.5	0.18	0.02	0.14	2.9	5.5	11.4	1.63	2.9	10	0.03	10.0	0.08	137	2.36	0.020	7.6	350	7.47	0.02	1.60	0.5	0.6	4.0	0.04	0.6	0.006	0.04	0.2	44	0.2	49.0
6	KW48+00N 05+00E	1	0.1	0.74	12.8	191.5	0.44	0.05	0.38	6.0	9.0	10.6	2.22	3.5	15	0.03	10.5	0.17	243	1.84	0.020	9.7	351	10.48	0.02	1.30	0.7	0.5	6.5	0.04	0.8	0.006	0.06	0.3	42	0.2	50.3
7	KW48+00N 05+25E	6	0.2	0.64	7.4	175.5	0.14	0.09	0.23	2.2	6.0	7.2	1.09	2.8	15	0.03	10.0	0.11	77	1.43	0.021	5.9	192	7.74	0.02	0.76	0.6	0.4	8.5	<0.02	0.8	0.005	0.06	0.3	30	0.2	27.6
8	KW48+00N 05+50E	1	0.1	0.92	10.7	194.5	0.18	0.07	0.21	5.7	10.0	8.9	2.10	3.3	15	0.04	10.5	0.20	248	1.53	0.024	9.4	318	11.29	0.02	1.02	0.9	0.5	8.0	0.08	1.6	0.004	0.06	0.3	40	0.3	46.0
9	KW48+00N 05+75E	2	0.1	0.86	10.9	222.0	0.18	0.43	0.24	6.7	12.0	20.2	2.26	2.6	30	0.04	10.5	0.29	222	1.80	0.028	19.6	825	10.04	0.02	1.46	1.5	0.8	28.5	0.04	2.3	0.004	0.04	0.6	32	0.2	80.7
10	KW48+00N 06+00E	5	0.1	0.82	10.6	304.5	0.18	0.19	0.46	5.2	13.5	16.6	2.02	3.7	35	0.06	17.5	0.20	222	1.85	0.035	14.1	421	14.49	0.02	1.48	1.1	0.7	19.5	0.06	0.9	0.009	0.12	0.7	38	0.3	68.3
11	KW48+00N 06+25E	4	0.2	0.83	10.1	298.0	0.20	0.26	0.38	7.2	14.5	27.6	2.26	3.4	70	0.07	22.5	0.29	243	2.06	0.036	22.0	697	10.23	0.02	1.88	2.0	1.0	26.5	0.06	3.8	0.009	0.10	1.0	36	0.3	101.2
12	KW48+00N 06+50E	3	0.3	0.94	10.8	493.0	0.20	0.23	0.37	7.1	15.0	33.0	2.33	3.5	80	0.07	23.5	0.27	340	2.10	0.037	23.9	711	11.76	0.02	1.90	2.2	1.1	29.0	0.04	2.5	0.007	0.10	1.1	38	0.3	97.9
13	KW48+00N 06+75E	2	0.1	0.98	12.1	227.5	0.20	0.08	0.38	4.7	15.0	14.7	2.37	4.4	15	0.07	16.0	0.23	161	1.82	0.033	14.2	449	11.55	<0.02	1.58	1.5	0.6	14.0	0.08	3.0	0.009	0.14	0.5	48	0.3	64.9
14	KW48+00N 07+00E	5	0.2	1.14	12.6	312.5	0.22	0.10	0.47	7.0	17.0	28.1	2.98	3.9	35	0.09	19.0	0.25	241	2.42	0.037	23.4	563	13.94	0.02	2.32	1.8	1.0	19.0	0.06	3.6	0.005	0.14	0.8	48	0.3	109.8
15	KW48+00N 07+25E	3	0.1	0.79	12.8	272.5	0.24	0.10	0.43	6.5	14.0	25.4	2.37	3.7	35	0.07	22.0	0.22	299	2.41	0.036	18.9	673	12.19	0.02	2.14	1.2	1.0	17.5	0.04	1.1	0.007	0.12	0.8	44	0.4	92.8
16	KW48+00N 07+50E	3	0.2	0.94	11.8	294.0	0.22	0.13	0.57	9.8	15.5	35.8	2.38	3.6	55	0.07	23.5	0.24	463	2.15	0.035	24.6	670	12.97	0.02	2.02	1.5	1.0	20.5	0.06	1.2	0.006	0.12	1.2	40	0.2	106.1
17	KW48+00N 07+75E	3	0.3	0.88	10.1	351.0	0.18	0.18	0.37	6.6	13.5	32.1	2.08	3.4	70	0.08	18.0	0.22	293	1.98	0.043	22.2	624	9.87	0.02	1.84	1.5	0.9	24.0	0.06	1.0	0.008	0.12	0.9	38	0.2	96.7
18	KW48+00N 08+00E	4	0.2	0.79	13.4	352.0	0.18	0.19	0.47	8.9	13.0	32.5	2.07	3.0	50	0.08	17.0	0.24	393	1.99	0.044	22.6	659	10.67	0.04	2.50	1.1	0.9	24.5	0.04	0.5	0.007	0.14	0.9	38	0.2	94.0
19	KW48+00N 08+25E	5	0.7	1.04	6.9	717.5	0.16	1.09	1.16	6.5	15.0	42.8	1.61	3.4	160	0.10	11.5	0.29	312	0.95	0.046	20.2	588	9.17	0.06	1.34	2.5	1.5	71.5	0.04	1.3	0.007	0.14	3.1	42	0.2	78.6
20	KW50+50N 03+00E	3	0.3	0.60	5.7	341.5	0.14	0.73	0.59	4.4	8.5	16.3	1.48	2.2	55	0.05	8.0	0.16	330	1.02	0.048	9.8	462	11.22	0.06	0.76	1.3	0.9	46.5	0.04	1.5	0.007	0.08	1.0	22	0.1	41.2
21	KW50+50N 03+25E	3	0.2	0.65	9.2	498.0	0.18	1.04	0.53	6.8	10.0	26.5	1.60	2.3	90	0.04	12.0	0.20	836	1.26	0.042	15.4	588	13.55	0.06	1.10	1.5	1.1	61.0	0.04	1.3	0.008	0.10	2.7	26	0.2	55.2
22	KW50+50N 03+50E	5	0.8	1.31	13.2	507.5	0.24	0.85	0.83	9.4	21.0	43.5	2.58	4.2	200	0.12	18.5	0.33	461	1.96	0.040	31.0	654	15.17	0.04	1.90	4.6	1.2	53.5	0.08	3.5	0.008	0.22	2.1	50	0.2	142.7
23	KW50+50N 03+75E	1	0.2	0.68	6.6	284.0	0.14	0.48	0.16	5.8	10.0	15.2	1.62	2.9	35	0.05	11.0	0.18	412	1.34	0.046	9.8	480	11.22	0.06	0.72	1.0	0.7	34.5	0.04	1.2	0.009	0.08	1.2	28	0.2	38.9
24	KW50+50N 04+00E	2	0.2	0.83	10.8	364.5	0.18	0.38	0.53	7.6	14.0	22.6	1.95	3.2	60	0.07	16.5	0.30	623	1.98	0.041	18.8	669	12.26	0.04	1.58	2.0	0.9	31.5	0.04	2.9	0.010	0.14	1.1	38	0.2	91.4
25	KW50+50N 04+25E	3	0.3	0.93	7.8	513.0	0.22	0.67	0.41	6.6	16.0	27.4	1.80	3.7	120	0.07	13.5	0.27	300	1.28	0.040	15.5	808	17.12	0.06	0.94	2.4	1.1	45.5	0.04	2.1	0.009	0.14	1.8	42	0.2	46.6
26	KW50+50N 04+50E	3	0.4	1.31	11.6	738.0	0.26	0.82	0.27	14.6	18.5	30.0	2.64	4.4	100	0.09	13.0	0.30	1701	2.38	0.043	21.0	842	17.56	0.06	1.50	2.7	1.1	58.0	0.06	2.3	0.006	0.16	1.4	54	0.2	69.0
27	KW50+50N 04+75E	2	0.4	1.00	5.5	410.0	0.16	0.62	0.25	5.7	18.0	17.1	1.81	3.8	115	0.09	17.0	0.38	194	1.30	0.038	14.8	764	9.22	0.06	1.12	2.6	0.9	45.5	0.06	3.6	0.010	0.14	1.5	40	0.2	77.0
28	KW50+50N 05+00E	1	0.2	0.78	6.4	196.0	0.14	0.30	0.33	5.9	13.5	20.4	1.83	2.5	70	0.04	10.5	0.35	109	1.27	0.024	16.5	864	11.28	0.02	1.22	1.6	0.9	25.0	0.04	2.9	0.006	0.06	0.9	26	0.1	66.2
29	KW50+50N 05+25E	2	0.2	0.77	5.5	203.0	0.14	0.40	0.25	4.8	12.0	15.3	1.59	2.4	85	0.03	8.5	0.33	266	0.98	0.025	12.3	933	11.21	0.04	0.90	1.3	0.9	30.5	0.04	2.0	0.006	0.06	1.2	26	0.1	57.4
30	KW50+50N 05+50E	11	0.5	1.05	6.5	492.0	0.26	0.79	0.59	5.4	17.5	32.4	1.87	3.3	145	0.03	10.0	0.37	243	0.75	0.028	19.5	873	18.46	0.08	1.26	2.2	2.3	51.0	0.04	2.3	0.007	0.08	3.1	32	0.2	69.0

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
31	KW50+50N 05+75E	1	0.2	0.84	11.5	257.5	0.16	0.10	0.38	5.4	10.5	16.6	2.14	2.3	35	0.03	6.0	0.20	200	1.40	0.020	12.9	311	15.16	0.02	1.22	0.9	0.5	12.0	0.04	1.2	0.003	0.06	0.4	28	0.2	51.3
32	KW50+50N 06+00E	1	0.2	0.67	7.7	225.5	0.16	0.08	0.50	3.2	7.5	10.4	1.43	2.5	15	0.04	6.5	0.13	123	1.59	0.020	7.1	193	10.03	<0.02	0.84	0.6	0.3	10.5	0.04	1.0	0.005	0.04	0.2	32	0.3	33.1
33	KW51+50N 02+75E N/S																																				
34	KW51+50N 03+00E	2	0.3	0.89	8.5	282.5	0.20	0.80	0.39	4.6	15.0	22.4	1.78	2.7	115	0.04	9.0	0.40	149	0.83	0.028	14.3	875	15.55	0.06	0.96	2.0	1.1	53.5	0.06	1.9	0.005	0.08	1.4	30	0.1	77.4
35	KW51+50N 03+25E	3	0.4	0.92	8.4	274.0	0.20	0.95	0.34	6.7	16.0	17.6	2.08	2.9	115	0.05	9.0	0.46	204	1.37	0.025	16.1	973	13.57	0.06	1.12	2.2	0.9	57.5	0.06	1.7	0.006	0.10	1.1	34	0.4	90.8
36	KW51+50N 03+50E	3	0.2	0.73	8.0	363.5	0.16	0.47	0.44	6.3	13.5	21.8	1.93	2.7	100	0.06	14.5	0.29	315	1.73	0.035	18.0	433	9.22	0.04	1.60	2.0	0.8	39.0	0.04	2.8	0.009	0.10	1.0	34	0.4	84.5
37	KW51+50N 03+75E N/S																																				
38	KW51+50N 04+00E	2	0.1	0.49	7.0	205.5	0.16	0.14	0.14	4.1	7.5	12.2	1.29	2.5	20	0.03	8.0	0.14	170	1.42	0.021	8.8	244	8.89	0.02	1.16	0.7	0.4	13.5	0.04	0.8	0.004	0.08	0.4	26	0.5	45.7
39	KW51+50N 04+25E N/S																																				
40	KW51+50N 04+50E	3	0.4	0.74	17.1	598.5	0.34	1.05	0.56	10.2	11.5	24.7	2.68	2.5	85	0.03	8.5	0.26	3877	3.38	0.028	15.7	709	12.19	0.06	1.10	1.2	1.7	72.0	0.04	0.9	0.006	0.06	3.4	28	0.4	43.9
41	KW51+50N 04+75E N/S																																				
42	KW51+50N 05+00E	2	0.4	0.59	8.6	334.0	0.16	0.30	0.30	4.5	10.0	31.4	1.79	2.1	55	0.03	7.5	0.19	184	1.56	0.020	16.9	433	10.06	0.02	1.38	1.3	0.7	25.5	0.08	0.9	0.003	0.08	1.0	26	0.4	59.1
43	KW51+50N 05+25E	2	0.2	1.27	14.8	536.5	0.24	0.30	0.51	9.3	18.0	23.9	3.34	4.0	45	0.05	11.5	0.28	417	2.15	0.021	20.0	614	20.44	0.02	1.78	1.7	0.8	25.0	0.06	1.8	0.004	0.12	0.8	44	0.4	83.8
44	KW55+00N 00+00	2	0.2	0.75	43.5	132.5	0.38	0.07	0.32	5.5	16.5	28.0	4.23	4.5	30	0.05	8.5	0.15	287	3.72	0.021	15.8	3104	28.39	0.04	4.38	1.4	1.4	20.0	0.10	1.3	0.009	0.16	0.7	80	0.5	97.2
45	KW55+00N 00+25W	2	0.1	1.05	44.7	153.5	0.36	0.07	0.62	9.8	21.0	34.1	5.35	4.8	30	0.05	10.0	0.21	493	4.50	0.022	22.6	3080	30.77	0.04	5.56	0.9	1.6	18.0	0.10	0.6	0.004	0.26	0.8	82	0.4	130.9
46	KW55+00N 00+50W	2	0.1	0.80	27.4	132.5	0.24	0.02	0.34	6.0	12.5	26.0	3.24	3.7	25	0.04	11.0	0.16	209	4.05	0.017	17.7	874	17.94	0.04	4.32	0.6	1.1	12.0	0.06	0.5	0.003	0.14	0.5	62	0.4	98.1
47	KW55+00N 00+75W	1	0.2	0.67	19.6	113.5	0.18	0.02	0.41	4.8	10.5	19.1	2.45	2.6	20	0.03	7.5	0.19	116	3.20	0.018	16.1	636	12.23	0.04	3.48	1.2	0.8	12.5	0.06	1.5	0.002	0.08	0.4	48	0.4	90.8
48	KW55+00N 01+00W	1	0.1	0.26	13.6	100.5	0.20	0.03	0.29	3.2	5.0	10.0	1.08	2.5	20	0.03	8.5	0.03	196	2.31	0.018	6.0	425	10.15	0.04	1.90	0.4	0.4	10.5	0.04	0.4	0.005	0.08	0.3	34	0.4	46.8
49	KW55+00N 01+25W	2	0.2	0.68	21.8	235.5	0.16	0.17	0.48	6.0	11.0	31.6	2.68	2.4	45	0.05	8.5	0.24	145	3.45	0.018	22.8	559	11.30	0.04	3.70	1.8	1.2	24.5	0.08	1.7	0.002	0.10	0.7	44	0.3	115.6
50	KW55+00N 01+50W	4	0.7	0.90	16.7	501.5	0.24	0.64	1.04	9.8	16.5	52.6	2.66	3.2	150	0.08	14.0	0.35	375	2.80	0.024	39.4	751	17.62	0.04	3.34	3.1	1.5	51.5	0.06	2.4	0.004	0.14	1.1	44	0.4	126.2
51	KW55+00N 01+75W	3	0.5	0.59	22.0	345.0	0.22	0.51	1.24	9.4	12.0	48.3	2.62	2.2	130	0.04	8.0	0.29	396	3.20	0.022	36.6	974	15.36	0.04	4.16	1.7	1.7	54.0	0.08	1.6	0.003	0.12	1.5	40	0.4	142.7
52	KW55+00N 02+00W	3	1.0	1.83	29.6	810.5	0.44	0.17	1.07	21.2	22.0	54.7	5.80	5.8	110	0.08	26.0	0.81	483	5.26	0.022	52.5	570	33.42	0.08	11.58	4.5	4.1	29.5	0.10	5.5	0.001	0.18	1.0	48	0.3	218.6
53	KW55+00N 02+25W N/S																																				
54	KW55+00N 02+50W	4	1.9	0.90	9.8	851.5	0.18	1.38	1.54	7.7	11.0	131.9	1.54	3.5	290	0.05	37.0	0.18	508	1.38	0.021	47.7	482	13.41	0.08	1.82	3.3	3.5	86.5	0.04	1.2	0.002	0.12	4.0	32	0.2	55.7
55	KW55+00N 02+75W	1	0.2	0.75	25.7	180.0	0.28	0.12	0.63	6.1	10.0	33.7	2.77	4.6	25	0.05	9.5	0.10	363	3.13	0.024	12.9	1155	20.01	0.04	3.24	0.3	0.8	17.5	0.06	0.2	0.003	0.12	0.6	64	0.3	95.7
56	KW55+00N 03+00W	1	0.3	0.59	25.5	113.5	0.20	0.05	0.69	7.7	8.0	25.6	2.18	3.1	25	0.05	8.5	0.08	301	3.30	0.021	12.0	552	13.97	0.04	2.52	0.7	0.7	9.0	0.06	0.6	0.003	0.10	0.4	46	0.2	71.2
57	KW55+00N 03+25W	3	0.2	0.99	37.9	211.0	0.32	0.07	0.76	7.1	17.0	29.2	4.52	3.8	30	0.04	7.5	0.16	459	4.06	0.019	16.3	1063	19.65	0.04	3.86	1.2	1.1	15.5	0.08	1.4	0.004	0.12	0.5	72	0.3	114.0
58	KW55+00N 03+50W	1	0.1	1.05	17.4	138.0	0.18	0.46	0.54	8.3	14.0	26.9	2.84	3.1	35	0.07	11.0	0.46	493	2.19	0.022	27.9	504	13.04	0.08	2.88	1.7	1.1	48.0	0.06	1.8	0.002	0.10	0.7	28	0.1	108.5
59	KW55+00N 03+75W	2	0.2	1.02	24.1	127.5	0.20	0.37	0.58	12.6	15.5	28.1	2.99	3.2	40	0.05	11.0	0.50	477	2.74	0.019	38.1	667	14.58	0.06	3.96	2.2	1.5	41.0	0.06	2.4	0.002	0.12	0.9	34	0.1	169.9
60	KW55+00N 04+00W	3	2.3	1.35	11.9	568.5	0.22	1.07	1.28	16.7	14.5	104.9	2.15	3.3	205	0.07	16.5	0.35	729	1.24	0.027	69.8	780	18.78	0.10	1.82	3.4	3.4	93.0	0.08	1.5	0.001	0.24	4.0	28	0.1	107.5
61	KW55+00N 04+25W	3	0.7	1.52	13.3	315.0	0.22	0.44	0.96	9.6	21.0	46.7	3.04	4.2	110	0.06	16.0	0.58	433	1.75	0.026	45.8	881	15.42	0.06	2.74	3.4	2.4	40.0	0.06	2.5	0.001	0.16	2.1	38	0.1	107.0
62	KW55+00N 04+50W	1	0.1	0.34	14.3	53.5	0.18	0.03	0.21	2.1	4.0	12.9	1.17	2.9	15	0.03	11.0	0.02	51	2.34	0.019	6.7	254	7.42	0.02	1.92	0.4	0.5	9.0	0.06	0.3	0.004	0.08	0.3	36	0.3	44.8
63	KW55+00N 04+75W N/S																																				
64	KW55+00N 05+00W N/S																																				
65	KW55+00N 05+25W N/S																																				
66	KW55+00N 05+50W	1	0.2	0.92	11.8	205.0	0.16	0.24	0.13	3.7	12.0	16.2	1.68	3.3	70	0.05	9.0	0.29	755	1.51	0.028	10.9	476	10.44	0.04	0.78	1.1	1.1	29.0	0.04	1.3	0.002	0.08	0.8	28	0.1	48.0
67	KW55+00N 05+75W	1	0.2	1.11	10.7	178.0	0.18	0.23	0.24	8.0	16.0	22.6	2.49	3.9	60	0.05	16.5	0.48	347	1.87	0.022	20.3	738	14.73	0.04	2.00	2.0	1.2	24.0	0.06	2.9	0.003	0.08	0.9	36	0.2	79.1
68	KW55+00N 06+00W N/S																																				
69	KW55+00N 06+25W	3	0.5	1.15	14.7	312.0	0.18	1.27	0.40	9.1	16.0	32.4	2.44	3.6	150	0.05	9.5	0.53	461	1.84	0.033	20.5	835	14.23	0.08	1.96	1.6	1.9	83.0	0.08	1.4	0.005	0.10	2.2	34	0.2	107.2
70	KW55+00N 06+50W	2	0.3	1.20	14.5	205.5	0.18	0.59	0.29	9.2	19.0	19.7	2.63	4.2	65	0.05	15.0	0.65	375	1.87	0.024	25.9	796	12.93	0.04	2.00	1.9	0.9	50.5	0.06	2.3	0.004	0.10	0.8	40	0.2	119.4
71	KW55+00N 06+75W	3	0.3	1.16	52.4	132.0	0.28	0.15	0.49	8.5	19.0	46.5	4.35	4.3	40	0.05	11.5	0.39	285	3.17	0.029	27.7	771	23.22	0.04	5.44	1.7	1.0	24.5	0.10	2.2	0.002	0.18	0.6	58	0.2	143.4
72	KW55+00N 07+00W	2	0.3	0.97	12.1	200.5	0.16	0.53	0.25	7.6	15.0	20.6	2.26	3.4	55	0.05	13.0	0.49	295	1.73	0.034	22.4	883	12.00	0.04	1.76	1.4	1.1	44.5	0.06	2.4	0.004	0.08	0.7	32	0.2	95.8
73	KW55+00N 07+25W N/S																																				
74	KW56+00N 00+00	1	0.3	0.65	16.4	228.0	0.24	0.05	1.92	5.8	11.0	16.9	2.87	3.5	15	0.07	12.5	0.11	189	3.31	0.027	16.0	365	16.62	0.02	3.06	1.0	0.6	10.0	0.08	1.2	0.004	0.08	0.4	58	0.4	119.5
75	KW56+00N 00+25W	1	0.9	0.85	17.8	508.0	0.20	0.11	1.95	10.1	10.5	33.2	2.53	2.7	45	0.06	8.5	0.14	807	3.00	0.032	19.0	443	15.17	0.04	2.92	1.1	1.0	19.5	0.08	1.1	0.003	0.12	0.5	44	0.2	131.3

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
76	KW56+00N 00+50W	1	0.4	0.70	26.2	169.5	0.20	0.07	1.16	7.1	11.0	17.7	2.52	3.1	25	0.06	9.0	0.16	430	2.91	0.028	16.1	812	14.61	0.04	3.08	0.9	0.8	12.0	0.06	0.8	0.004	0.08	0.4	48	0.3	115.6
77	KW56+00N 00+75W	3	0.5	0.78	25.7	303.0	0.20	0.22	1.67	9.3	13.5	38.8	3.49	2.5	60	0.07	10.5	0.28	438	4.38	0.029	34.5	973	18.53	0.04	4.92	2.4	1.9	32.5	0.08	2.3	0.003	0.16	1.2	50	0.2	189.4
78	KW56+00N 01+00W	1	0.4	0.61	22.7	196.5	0.26	0.06	1.16	6.4	10.5	17.1	2.53	3.5	25	0.05	9.0	0.10	292	2.87	0.024	12.7	1180	17.95	0.04	3.18	0.6	0.8	15.5	0.06	0.4	0.004	0.10	0.5	62	0.3	82.7
79	KW56+00N 01+25W	2	0.5	1.02	31.1	513.5	0.30	0.40	1.08	10.7	14.5	43.4	3.55	3.5	55	0.07	14.5	0.23	430	4.83	0.032	25.3	595	22.45	0.04	5.02	1.9	1.6	33.5	0.10	2.0	0.001	0.16	0.9	62	0.2	142.6
80	KW56+00N 01+50W N/S																																				
81	KW56+00N 01+75W N/S																																				
82	KW56+00N 02+00W N/S																																				
83	KW56+00N 02+25W	2	0.1	0.96	19.3	244.0	0.22	0.21	0.62	10.4	13.0	10.3	2.70	3.6	55	0.04	14.5	0.35	432	2.37	0.030	13.4	671	16.78	0.02	1.78	1.6	1.1	24.0	0.06	3.0	0.004	0.06	0.8	36	0.2	102.0
84	KW56+00N 02+50W N/S																																				
85	KW56+00N 02+75W N/S																																				
86	KW56+00N 03+00W	1	0.2	0.62	18.2	281.0	0.18	0.34	0.32	5.3	10.0	18.1	2.05	2.9	20	0.04	10.5	0.14	138	2.96	0.027	13.2	303	12.85	0.02	3.42	1.1	0.7	33.5	0.08	1.5	0.003	0.08	0.7	46	0.2	69.6
87	KW56+00N 03+25W	1	0.2	0.63	19.4	150.0	0.24	0.03	0.94	5.0	10.0	23.4	2.64	3.8	20	0.05	13.5	0.11	151	4.02	0.029	16.1	513	13.13	0.04	3.54	0.9	0.8	11.0	0.06	0.7	0.003	0.12	0.5	68	0.2	96.9
88	KW56+00N 03+50W	2	0.2	0.90	24.5	156.5	0.22	0.10	0.80	7.5	16.5	32.3	3.86	3.1	30	0.05	10.0	0.38	261	4.13	0.024	27.8	908	17.16	0.04	4.60	2.4	1.5	21.5	0.06	2.5	0.004	0.14	0.8	52	0.1	168.7
89	KW56+00N 03+75W	1	0.1	1.00	34.5	202.0	0.26	0.05	0.52	9.3	15.0	20.8	3.72	4.3	20	0.07	14.0	0.13	546	3.46	0.036	15.0	737	19.24	0.04	4.26	1.4	1.0	14.0	0.10	1.7	0.006	0.18	0.6	68	0.3	105.5
90	KW56+00N 04+00W	2	0.2	0.86	24.2	186.0	0.26	0.11	0.95	10.2	15.0	35.2	3.54	2.9	40	0.05	10.5	0.35	297	4.21	0.027	29.3	740	17.20	0.04	4.88	2.1	1.3	26.5	0.06	2.5	0.003	0.12	0.9	54	0.2	173.0
91	KW56+00N 04+25W	1	0.1	0.53	13.0	199.0	0.14	0.13	0.18	3.0	9.0	20.3	1.62	2.9	15	0.04	12.0	0.21	98	2.18	0.034	11.0	184	9.79	0.02	2.24	0.9	0.4	19.5	0.04	1.7	0.002	0.06	0.3	36	0.2	61.0
92	KW56+00N 04+50W	2	0.2	0.67	23.4	135.5	0.18	0.26	0.39	13.5	11.0	25.6	2.34	2.4	45	0.04	9.5	0.34	623	2.47	0.027	21.7	787	14.16	0.04	3.24	1.5	1.0	32.0	0.08	2.0	0.002	0.10	0.7	30	0.1	100.4
93	KW56+00N 04+75W	1	0.2	0.62	11.5	213.0	0.16	0.17	0.44	5.3	7.5	23.6	1.58	3.1	40	0.05	12.0	0.16	209	1.93	0.030	16.9	314	9.42	0.02	1.98	0.9	0.6	23.0	0.04	0.6	0.005	0.08	0.5	32	0.2	71.1
94	KW56+00N 05+00W	2	0.3	0.84	10.8	324.0	0.18	0.41	0.61	7.4	12.5	34.6	2.12	2.9	110	0.05	12.0	0.38	204	1.66	0.029	26.8	685	13.66	0.04	2.34	2.0	1.3	37.0	0.08	1.9	0.003	0.08	1.1	32	0.2	93.8
95	KW56+00N 05+25W	6	0.3	0.84	20.4	279.5	0.18	0.52	0.67	8.1	12.0	33.7	2.38	3.0	80	0.05	16.0	0.34	313	1.87	0.029	30.2	824	14.18	0.04	2.50	1.8	1.6	46.0	0.08	2.0	0.004	0.10	1.4	30	0.2	102.5
96	KW56+00N 05+50W	2	0.2	0.75	16.1	189.5	0.14	0.34	0.34	9.7	10.5	18.0	2.24	2.7	65	0.05	10.0	0.31	730	2.38	0.030	16.4	719	13.35	0.04	2.06	1.1	1.4	32.0	0.06	1.4	0.003	0.06	1.0	30	0.2	74.6
97	KW56+00N 05+75W N/S																																				
98	KW56+00N 06+00W	3	0.4	1.43	18.2	276.5	0.16	0.49	0.70	12.2	24.0	35.6	2.99	4.8	85	0.09	30.0	0.70	251	1.53	0.038	47.4	732	9.81	0.04	2.38	4.1	1.4	36.0	0.06	4.6	0.003	0.16	1.6	44	0.1	154.6
99	AHKWD001	<1	0.2	0.25	140.5	94.0	0.72	0.06	0.29	7.7	5.5	16.5	3.37	1.5	25	0.06	5.0	0.06	299	2.86	0.027	16.1	448	22.37	0.10	8.36	1.5	1.2	46.5	0.06	1.0	0.001	0.08	0.5	24	1.0	78.7
100	AHKWD002	1	0.1	0.30	311.8	150.5	1.00	0.05	0.62	17.7	11.0	49.8	4.95	1.2	40	0.07	4.5	0.03	446	3.81	0.032	52.5	593	28.73	0.08	7.82	3.8	2.1	130.0	0.12	2.6	0.001	0.10	1.2	30	2.4	150.0
101	AHKWD003	1	0.2	0.31	189.1	149.0	0.40	0.10	0.60	12.0	8.0	47.1	3.46	1.3	70	0.08	7.0	0.06	212	3.05	0.029	41.6	569	22.91	0.10	6.20	3.2	1.4	86.0	0.08	2.9	0.001	0.16	1.0	22	1.4	190.8
102	AHKWD004	1	0.2	0.26	186.3	134.5	0.32	0.06	0.82	10.7	7.5	40.2	3.59	1.1	45	0.07	5.0	0.02	89	2.26	0.033	35.8	546	21.55	0.10	10.80	3.4	1.1	127.5	0.12	2.6	0.001	0.24	0.9	22	2.0	154.9
103	AHKWD005	293	1.9	0.36	489.4	154.5	0.38	0.06	0.81	6.7	6.5	62.3	2.32	1.2	70	0.09	3.5	0.03	48	2.32	0.027	28.7	433	26.43	0.08	20.98	4.0	1.5	128.5	0.12	2.3	0.005	0.20	1.0	20	1.8	89.4
104	AHKWD006	2	0.1	0.28	6.7	86.5	0.06	0.05	0.14	1.6	2.0	9.2	0.54	1.0	40	0.03	1.5	0.04	22	0.45	0.033	4.5	114	3.49	0.02	0.70	0.2	0.9	6.5	<0.02	0.2	0.005	0.04	0.3	12	<0.1	21.0
105	AHKWD007	1	0.3	0.53	37.3	170.0	0.44	0.19	0.73	8.7	9.0	39.7	2.75	2.3	70	0.05	12.5	0.21	170	2.53	0.031	29.4	786	20.08	0.04	5.02	2.4	5.7	25.5	0.10	3.3	0.003	0.08	0.9	24	0.5	125.5
106	AHKWD008	3	0.4	0.70	60.1	213.5	0.34	0.22	0.95	9.9	12.0	53.5	3.32	2.8	65	0.06	14.5	0.32	200	3.06	0.026	37.0	980	21.71	0.04	10.36	3.3	4.5	28.0	0.10	4.8	0.004	0.10	1.2	34	0.4	162.9
107	AHKWD009	4	0.3	0.80	28.2	340.5	0.22	0.26	1.80	8.2	14.0	46.2	2.96	3.2	60	0.06	18.0	0.40	162	2.15	0.028	39.8	1045	20.05	0.04	4.74	3.5	2.8	29.5	0.08	5.6	0.006	0.12	1.1	30	0.2	155.3
108	AHKWD010	3	0.4	0.86	115.7	156.5	0.26	0.19	0.95	6.9	13.5	63.3	3.08	2.9	90	0.06	13.0	0.40	131	3.00	0.027	26.9	1004	28.48	0.06	19.16	4.3	4.4	30.5	0.10	5.5	0.003	0.18	1.9	36	0.4	123.6
109	AHKWD011	5	0.6	0.36	518.9	190.5	0.22	0.04	0.43	4.0	8.0	31.9	2.96	1.7	70	0.08	6.5	0.12	52	2.61	0.036	18.7	543	17.82	0.16	33.54	2.4	3.2	68.0	0.10	3.0	0.002	0.26	0.7	22	0.4	77.6
110	AHKWD012	4	0.9	0.19	430.1	169.0	1.12	0.02	0.12	1.0	2.5	9.5	0.97	0.6	70	0.07	2.5	0.03	15	4.78	0.027	5.2	436	32.84	0.10	32.32	0.9	4.4	109.0	0.10	1.5	0.005	0.18	0.6	10	0.4	20.9
111	AHKWD013	11	0.5	0.63	467.6	227.5	0.42	0.16	0.96	6.2	10.0	39.0	2.56	2.4	80	0.06	12.0	0.26	116	2.63	0.029	28.8	961	22.00	0.08	17.28	2.6	4.3	72.5	0.10	3.4	0.003	0.16	1.0	26	0.3	116.7
112	AHKWD014	2	0.1	0.70	20.4	243.0	0.24	0.12	0.24	8.5	10.5	27.7	3.07	2.9	45	0.04	18.0	0.22	281	2.49	0.024	23.3	479	18.25	0.04	4.46	1.6	1.3	14.5	0.08	2.3	0.003	0.06	0.7	30	0.3	95.9
113	AHKWD015	3	0.4	0.93	17.3	458.5	0.30	0.29	0.56	10.9	14.0	43.8	3.02	3.2	115	0.08	13.0	0.33	481	2.32	0.031	35.5	669	21.68	0.02	3.48	3.5	1.1	28.0	0.10	4.3	0.002	0.14	0.8	34	0.2	121.8
114	AHKWD016	3	0.4	1.25	22.9	432.5	0.32	0.41	0.99	14.4	18.5	61.5	3.87	4.3	115	0.10	18.5	0.50	540	3.24	0.032	46.9	883	21.04	0.04	4.16	4.6	1.4	34.5	0.12	6.2	0.003	0.18	0.8	46	0.2	162.2
115	AHKWD017	3	0.4	1.13	23.0	384.5	0.30	0.44	1.06	14.1	17.0	54.0	3.81	3.9	95	0.10	17.5	0.48	593	3.21	0.033	43.6	832	21.80	0.06	4.12	4.2	1.4	36.0	0.10	5.5	0.002	0.18	0.8	42	0.2	151.3
116	AHKWD019	3	0.6	1.12	36.0	212.0	0.24	0.05	0.85	9.5	14.5	40.3	3.10	3.0	35	0.04	13.5	0.28	172	2.54	0.030	30.8	184	17.98	0.02	9.86	1.8	1.1	14.5	0.10	3.4	0.002	0.12	0.6	34	0.2	98.8
117	AHKWD020	2	0.3	0.83	17.4	131.0	0.22	0.02	0.35	6.9	10.0	37.5	2.91	2.8	25	0.06	11.0	0.20	93	2.39	0.027	22.7	236	15.00	0.06	5.86	1.5	0.8	19.5	0.08	2.1	0.001	0.08	0.4	32	0.1	85.7
118	AHKWD021	1	0.3	0.81	13.9	141.5	0.40	0.02	0.36	14.3	8.0	97.7	3.80	2.4	30	0.09	12.5	0.18	89	2.95	0.033	44.6	449	30.90	0.14	24.84	4.0	2.6	68.5	0.14	2.7	0.001	0.10	0.9	24	<0.1	182.0
119	AHKWD022	6	0.4	2.18	25.6	213.5	0.38	0.02	6.62	49.7	18.5	456.9	11.37	2.7	80	0.07	7.5	0.19	435	2.95	0.028	236.3	724	53.46	0.12	49.90	11.1	###	90.0	0.12	3.9	0.001	0.34	3.1	64	0.1	463.0
120	AHKWD023	2	0.1	0.96	19.3	154.5	0.22	0.03	0.38	6.3	13.5	28.4	3.11	3.0	30	0.05	12.0	0.29	218	2.43	0.025	21.7	289	16.93	0.02	3.66	1.5	1.0	10.0	0.10	2.7	0.002	0.10	0.5	34	0.1	83.0

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
121	AHKWD024	1	0.2	0.45	16.5	171.5	0.30	0.06	0.42	4.7	5.5	32.4	2.63	1.7	25	0.12	9.0	0.09	36	2.00	0.028	16.9	516	27.72	0.26	13.66	3.1	1.4	173.5	0.12	2.5	0.001	0.20	0.5	14	0.3	89.0
122	AHKWD025	1	0.2	0.22	15.4	336.5	0.34	0.10	0.10	7.9	4.0	41.2	2.83	1.2	35	0.07	8.0	0.03	60	2.54	0.028	33.6	337	28.78	0.08	21.14	1.9	0.8	40.5	0.08	2.6	0.005	0.20	0.6	10	0.2	121.8
123	AHKWD026	1	0.4	0.94	20.4	303.5	0.30	0.01	1.74	10.9	9.0	61.6	3.23	1.8	15	0.05	5.0	0.05	134	4.53	0.028	53.6	201	17.86	0.02	67.14	2.7	1.0	56.0	0.08	2.2	0.001	0.06	0.6	30	0.3	178.8
124	AHKWD027	4	0.4	0.64	159.7	428.0	0.48	0.02	0.48	14.7	7.5	71.0	4.35	1.3	65	0.05	5.0	0.03	99	6.01	0.031	64.9	322	34.36	0.04	65.92	7.4	2.6	107.0	0.14	3.4	0.005	0.08	1.7	22	0.3	197.4
125	AHKWD028	2	0.1	0.94	24.5	146.0	0.28	0.09	0.40	11.5	13.5	43.5	3.86	4.2	50	0.06	35.5	0.31	190	3.33	0.032	35.0	305	21.70	0.04	4.02	2.5	1.7	12.0	0.10	5.4	0.002	0.06	1.0	36	0.1	134.2
126	AHKWD029	2	<0.1	0.81	18.7	203.5	0.24	0.10	0.27	11.0	11.0	23.7	3.95	3.7	35	0.05	31.5	0.18	302	2.81	0.031	20.7	297	24.89	0.02	2.54	3.0	1.5	13.5	0.08	5.5	0.001	0.06	1.0	32	0.1	112.6
127	AHKWD030	4	0.4	1.41	29.5	516.0	0.28	0.56	0.35	12.6	25.5	33.4	4.22	5.8	90	0.08	18.5	0.94	480	4.82	0.034	33.9	1322	19.71	0.06	5.12	2.9	1.7	62.0	0.12	3.7	0.007	0.18	1.4	60	0.2	169.0
128	LJKWD007	2	0.2	0.63	30.8	202.0	0.18	0.22	0.28	7.6	10.0	18.3	1.98	2.8	130	0.04	13.5	0.26	493	2.19	0.032	13.8	645	11.46	0.02	3.04	1.5	1.1	23.0	0.04	2.3	0.004	0.06	0.7	26	0.3	71.9
129	LJKWD008	2	0.3	0.41	351.6	200.0	1.00	0.23	0.79	14.0	8.0	26.3	6.95	2.1	115	0.08	12.0	0.10	546	3.98	0.033	20.4	918	37.37	0.14	13.76	6.3	2.7	60.5	0.08	5.2	0.001	0.12	1.2	44	1.5	146.2
130	LJKWD009	1	0.6	0.29	235.1	159.0	0.72	0.10	0.76	14.3	9.0	53.9	4.36	1.3	60	0.12	7.5	0.04	184	3.73	0.029	51.3	691	40.47	0.20	8.42	4.7	1.7	158.5	0.12	4.1	0.005	0.34	1.1	26	1.8	192.9
131	BWKWS001	1	0.3	1.02	14.5	141.5	0.14	0.57	0.61	7.3	13.5	21.4	2.21	3.4	55	0.05	14.0	0.46	236	1.14	0.025	28.2	656	12.25	0.08	1.78	1.8	1.0	76.5	0.04	2.4	0.004	0.10	0.9	32	0.2	116.5
132	ETKWS001	3	0.4	0.65	21.0	208.0	0.22	0.81	1.54	12.5	11.5	63.7	3.40	2.5	160	0.07	11.5	0.45	756	5.42	0.025	41.4	1641	23.74	0.10	4.38	2.1	2.1	100.5	0.12	3.1	0.003	0.14	2.1	34	0.1	191.1
133	ETKWS002	4	4.6	1.23	40.3	133.0	0.28	0.71	3.60	105.5	10.5	154.7	4.54	8.7	180	0.06	107.5	0.27	2416	6.60	0.040	169.2	684	392.80	0.12	1.62	3.2	7.1	58.0	0.06	1.7	0.004	0.32	5.8	26	0.2	419.1
134	ETKWS003	1	0.3	1.15	31.0	164.5	0.26	0.49	0.84	12.1	13.5	27.3	3.55	4.6	65	0.05	21.5	0.57	561	1.70	0.039	30.4	776	31.57	0.10	2.10	3.5	2.2	29.5	0.06	3.3	0.006	0.10	1.1	36	0.3	173.0
QC DATA:																																					
Repeat:																																					
1	KW48+00N 03+75E	2	0.3	0.89	8.8	360.5	0.16	0.77	0.37	7.2	13.0	23.9	1.93	2.7	100	0.05	10.5	0.36	231	1.04	0.026	19.3	738	12.10	0.04	1.08	2.3	1.6	39.5	0.04	2.4	0.005	0.06	1.3	34	0.2	68.4
10	KW48+00N 06+00E	2	0.1	0.89	11.1	320.0	0.18	0.20	0.45	5.5	15.0	17.1	2.12	3.8	35	0.06	19.0	0.22	234	1.86	0.040	14.9	453	13.83	0.02	1.46	1.2	0.8	20.5	0.04	0.9	0.011	0.12	0.7	42	0.3	70.4
19	KW48+00N 08+25E	5	0.9	1.11	7.1	719.5	0.16	1.07	1.16	6.7	16.0	43.2	1.63	3.5	155	0.11	12.5	0.31	317	0.97	0.047	21.0	603	9.38	0.06	1.40	2.6	1.6	73.0	0.02	1.4	0.008	0.14	3.0	44	0.2	80.4
28	KW50+50N 05+00E	2	0.2	0.74	6.2	185.5	0.14	0.30	0.30	5.7	11.5	19.2	1.76	2.4	65	0.03	10.0	0.33	105	1.29	0.023	14.7	846	10.81	0.02	1.22	1.5	0.9	24.0	0.04	2.7	0.005	0.04	0.8	26	0.1	64.2
36	KW51+50N 03+50E	3	0.2	0.75	9.6	351.3	0.18	0.50	0.55	7.0	13.1	24.7	2.21	2.6	119	0.05	9.4	0.34	338	2.00	0.024	21.0	461	11.55	0.05	1.75	1.7	0.9	41.3	0.07	1.7	0.005	0.10	1.0	33	0.4	90.9
45	KW55+00N 00+25W	3	0.1	1.03	44.8	150.5	0.36	0.07	0.61	9.8	21.0	32.1	5.36	4.6	35	0.05	10.5	0.21	487	4.42	0.018	22.6	3077	30.49	0.04	5.54	1.0	1.5	17.5	0.12	0.8	0.003	0.26	0.8	82	0.3	129.1
54	KW55+00N 02+50W	4	1.9	0.89	10.0	863.0	0.18	1.42	1.55	8.1	11.0	134.7	1.56	3.6	300	0.05	38.0	0.18	518	1.38	0.024	49.3	484	13.03	0.08	1.86	3.3	3.5	88.0	0.06	1.2	0.002	0.12	4.1	32	0.2	56.6
66	KW55+00N 05+50W	1	0.2	0.91	12.2	202.0	0.16	0.25	0.13	3.7	12.0	13.9	1.70	3.2	70	0.04	9.0	0.30	765	1.55	0.026	10.9	491	10.92	0.04	0.82	1.0	1.1	30.0	0.04	1.3	0.001	0.08	0.8	26	0.1	49.5
71	KW55+00N 06+75W	3	0.4	1.12	49.5	127.5	0.26	0.15	0.47	8.1	18.0	38.6	4.12	4.1	35	0.05	11.5	0.37	271	3.08	0.032	25.6	736	23.45	0.04	4.96	1.8	0.9	23.5	0.10	2.3	0.001	0.18	0.6	56	0.2	137.4
83	KW56+00N 02+25W	3	0.2	0.97	19.5	247.5	0.22	0.21	0.63	10.5	13.2	10.5	2.72	3.5	50	0.04	14.9	0.36	440	2.38	0.030	13.3	683	15.92	0.02	1.76	1.8	1.1	24.2	0.07	3.1	0.004	0.07	0.8	37	0.2	104.2
89	KW56+00N 03+75W	1	0.2	1.20	39.9	206.5	0.36	0.07	0.67	13.4	18.0	30.6	4.30	5.3	25	0.07	13.5	0.18	599	4.18	0.033	20.3	759	31.39	0.04	5.00	1.4	1.3	18.0	0.12	1.6	0.004	0.18	0.8	88	0.3	119.2
98	KW56+00N 06+00W	3	0.5	1.60	21.5	227.5	0.20	0.55	0.84	14.0	26.0	42.4	3.23	4.9	100	0.06	19.0	0.85	270	1.65	0.029	56.0	812	11.40	0.04	2.78	3.9	1.7	41.5	0.10	3.8	0.002	0.14	1.7	46	0.1	162.2
103	AHKWD005	* 300																																			
106	AHKWD008	2	0.3	0.70	59.4	213.7	0.33	0.21	0.98	9.7	12.2	47.8	3.25	2.8	72	0.06	15.0	0.31	195	3.01	0.034	36.4	970	21.72	0.04	9.79	3.2	4.6	27.8	0.09	5.1	0.003	0.11	1.1	32	0.4	160.7
115	AHKWD017	3	0.4	1.10	22.2	378.5	0.28	0.45	1.00	13.9	16.5	49.6	3.73	3.9	95	0.09	16.0	0.48	574	3.22	0.034	42.7	842	21.63	0.06	3.98	4.2	1.5	36.5	0.06	5.3	0.002	0.16	0.8	42	0.1	151.9
124	AHKWD027	4	0.4	0.63	155.1	420.2	0.48	0.02	0.49	14.4	7.2	69.1	4.27	1.3	65	0.04	5.0	0.03	97	5.86	0.029	63.9	319	34.67	0.04	64.94	7.3	2.5	105.1	0.13	3.4	0.006	0.07	1.7	22	0.3	196.5
Standard:																																					
OXE74		618																																			
OXE74		621																																			
OXE74		632																																			
OXE74		611																																			
Till 3			1.4	1.02	84.7	34.0	0.34	0.50	0.08	9.6	65.0	22.1	1.90	4.0	100	0.05	12.0	0.58	300	0.68	0.040	33.9	421	17.32	0.02	0.50	3.9	0.5	15.5	0.02	2.2	0.048	0.06	0.9	36	0.2	39.3
Till 3			1.5	1.03	81.7	34.5	0.38	0.54	0.09	10.1	64.5	21.2	1.93	4.0	105	0.05	12.5	0.60	308	0.67	0.043	36.6	445	17.75	0.02	0.56	3.8	0.7	15.5	0.02	2.2	0.050	0.06	1.1	38	0.1	37.7
Till 3			1.4	1.03	81.7	35.0	0.26	0.54	0.09	10.4	58.0	22.7	1.90	3.9	105	0.07	13.0	0.57	296	0.61	0.040	28.7	446	16.03	0.02	0.54	4.0	0.6	16.5	0.02	2.3	0.050	0.06	0.9	38	0.1	36.5
Till 3			1.5	1.10	80.6	36.0	0.26	0.59	0.09	10.0	61.0	23.3	1.99	4.0	110	0.07	13.5	0.60	302	0.61	0.036	30.1	457	17.93	0.02	0.48	3.4	0.6	17.5	0.02	2.4	0.048	0.06	1.0	36	0.2	38.2

Aqua Regia Digest/ICPMS Finish

**** 30g Fire Assay***

NM/sa
df/msr8079AuDS/msr8080AuS
XLS/10

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

10-Sep-07

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2010- 8079

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

No. of samples received: 196
Sample Type:Soil
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	KW43+50N 03+75E	5	0.1	0.78	25.2	136.5	0.22	0.05	0.46	4.1	11.5	15.3	2.34	4.9	20	0.05	14.5	0.18	196	2.42	0.032	9.5	494	14.03	<0.02	2.72	0.6	0.5	13.0	0.06	0.4	0.002	0.14	0.4	46	0.6	66.9
2	KW43+50N 04+00E	3	0.1	0.41	16.4	43.0	0.18	0.02	0.09	2.5	5.5	9.6	1.59	3.7	20	0.03	8.5	0.05	124	1.70	0.032	5.5	376	10.53	<0.02	1.80	0.3	0.3	6.0	0.04	0.3	0.004	0.10	0.3	42	0.4	38.0
3	KW43+50N 04+25E	2	0.1	0.80	22.1	93.5	0.20	0.02	0.21	4.2	12.0	19.0	2.52	5.0	25	0.05	12.0	0.19	159	3.06	0.033	12.9	592	13.68	0.02	3.40	1.0	0.6	11.0	0.06	0.8	0.002	0.14	0.4	58	0.4	63.5
4	KW43+50N 04+50E	3	0.1	0.66	34.4	105.5	0.30	0.02	0.32	5.1	12.5	31.4	3.99	4.3	30	0.05	9.5	0.14	211	4.30	0.029	15.7	1079	23.24	0.02	5.24	1.3	1.8	16.0	0.10	2.1	0.004	0.16	0.6	60	0.6	106.7
5	KW43+50N 04+75E	2	0.1	0.57	14.6	196.0	0.16	0.25	0.41	6.6	10.0	22.1	1.83	3.0	30	0.06	12.0	0.20	599	2.42	0.034	11.5	604	12.18	0.02	2.52	0.7	0.6	30.0	0.04	0.4	0.003	0.12	0.6	36	0.3	61.6
6	KW43+50N 05+00E	3	0.2	0.92	10.8	295.0	0.16	0.33	0.21	6.9	12.5	19.6	2.30	3.4	60	0.06	15.0	0.30	237	1.83	0.039	17.0	678	12.71	0.02	2.38	1.8	0.9	35.5	0.06	2.5	0.002	0.08	1.2	34	0.3	75.7
7	KW43+50N 05+10E	3	0.2	0.61	10.9	249.0	0.10	0.26	0.27	7.4	6.5	16.1	1.70	2.2	65	0.05	9.0	0.13	843	1.21	0.039	12.1	476	10.24	0.02	2.94	1.2	1.1	28.0	0.02	1.1	0.001	0.06	1.4	22	0.2	52.9
8	KW43+50N 05+20E	3	0.2	0.68	12.1	216.0	0.14	0.24	0.25	5.6	8.0	22.1	1.88	2.4	65	0.05	12.5	0.18	201	1.44	0.040	16.5	527	11.74	0.02	3.28	1.8	1.1	24.5	0.04	1.8	0.001	0.08	0.9	24	0.2	71.2
9	KW43+50N 05+30E	6	0.4	0.53	43.6	226.0	0.14	0.27	0.40	9.8	7.0	18.7	3.17	2.6	85	0.06	22.5	0.15	485	2.49	0.032	20.1	547	19.09	0.04	10.06	2.4	1.5	58.0	0.04	3.6	0.001	0.08	1.1	22	0.2	116.0
10	KW43+50N 05+40E	2	0.2	0.66	12.8	265.0	0.16	0.34	0.09	9.7	7.5	16.3	2.62	2.5	60	0.05	17.0	0.13	243	2.28	0.038	18.3	490	14.73	0.02	3.22	1.8	1.0	38.5	0.06	2.1	0.005	0.08	0.8	26	0.2	71.1
11	KW43+50N 05+50E	1	<0.1	0.05	1.6	19.5	<0.02	0.02	<0.01	0.3	0.5	1.4	0.12	0.2	10	<0.01	1.0	0.01	14	0.11	0.028	0.9	27	1.51	<0.02	0.16	<0.1	<0.1	2.0	<0.02	0.1	0.005	<0.02	<0.1	<2	<0.1	4.5
12	KW43+50N 05+75E	2	0.1	0.95	10.2	301.5	0.16	0.29	0.21	8.3	14.0	25.7	2.12	3.5	55	0.06	17.0	0.35	277	1.53	0.033	20.6	687	11.83	0.02	1.56	2.0	0.7	30.5	0.06	3.0	0.003	0.08	0.8	32	0.2	74.9
13	KW43+50N 06+00E	2	0.2	1.16	12.2	285.5	0.20	0.35	0.14	7.9	17.0	25.9	2.66	4.6	65	0.07	24.0	0.43	172	1.92	0.042	20.6	1044	16.27	0.02	2.38	2.3	1.1	38.0	0.06	5.0	0.005	0.10	1.0	42	0.2	83.4
14	KW44+00N 00+00	3	0.3	0.85	13.1	279.0	0.26	0.43	0.64	8.1	13.5	28.1	2.16	3.2	95	0.07	13.0	0.26	380	1.89	0.037	21.4	712	14.79	0.04	1.86	1.2	0.9	36.5	0.06	0.8	0.002	0.12	0.9	36	0.3	103.9
15	KW44+00N 00+25E	5	0.4	0.69	14.7	226.5	0.18	0.54	0.44	6.7	11.5	25.4	2.01	2.6	85	0.06	10.0	0.27	226	2.09	0.037	20.0	523	11.59	0.04	2.04	1.4	0.7	40.5	0.04	0.9	0.002	0.10	0.7	34	0.2	96.1
16	KW44+00N 00+50E	2	0.2	0.87	10.9	330.5	0.28	0.21	0.70	8.2	14.0	34.7	2.15	3.3	75	0.07	17.5	0.25	368	1.69	0.033	23.2	694	14.76	<0.02	1.42	1.8	0.9	29.0	0.06	1.7	0.003	0.10	1.3	36	0.2	103.7
17	KW44+00N 00+75E	2	0.3	0.82	13.3	273.0	0.30	0.33	0.72	8.0	14.0	32.6	2.20	3.1	110	0.08	15.5	0.29	322	1.72	0.037	26.2	939	15.47	<0.02	1.60	2.4	0.9	37.5	0.06	3.6	0.007	0.14	0.9	34	0.4	118.3
18	KW44+00N 01+00E	2	0.3	0.82	9.0	295.0	0.24	0.38	0.62	7.8	14.0	34.8	2.14	3.1	95	0.09	14.0	0.28	283	1.52	0.039	25.2	807	21.58	0.02	1.42	2.3	0.8	35.5	0.04	3.0	0.008	0.12	0.8	32	0.2	115.3
19	KW44+00N 01+25E	4	0.4	0.92	10.1	283.0	0.20	0.72	0.60	7.7	12.5	34.0	1.96	3.0	105	0.08	12.0	0.31	450	1.47	0.043	23.3	675	13.59	0.04	1.70	1.9	0.9	53.0	0.04	1.6	0.002	0.12	1.0	32	0.2	101.7
20	KW44+00N 01+50E	1	0.2	0.69	10.0	197.0	0.22	0.37	0.39	8.2	12.5	24.4	2.05	2.8	80	0.07	14.0	0.27	460	1.79	0.039	18.7	733	19.79	0.02	1.36	1.9	0.9	37.0	0.04	4.0	0.007	0.12	0.7	32	0.3	93.0
21	KW44+00N 01+75E	1	0.5	0.94	15.3	382.0	0.32	0.68	1.03	13.0	18.0	54.4	3.06	3.4	165	0.12	13.5	0.38	659	2.89	0.038	38.7	923	20.86	0.06	2.18	3.5	1.9	56.5	0.08	5.6	0.004	0.16	1.0	46	0.2	155.0
22	KW44+00N 02+00E	3	0.5	1.13	18.5	418.0	0.22	0.50	0.54	11.7	16.0	39.4	2.49	4.1	140	0.08	18.5	0.37	653	1.89	0.041	23.6	915	19.46	0.04	2.72	3.1	1.8	54.5	0.06	2.2	0.003	0.14	2.0	44	0.2	93.4
23	KW44+00N 02+25E	5	0.4	0.66	12.4	293.0	0.20	2.68	1.49	6.5	10.5	33.6	2.25	2.1	125	0.05	8.5	0.31	134	1.16	0.045	22.3	569	18.05	0.10	2.96	2.0	2.8	112.0	0.06	1.9	0.003	0.10	1.6	28	0.2	77.8
24	KW44+00N 00+25W	1	0.2	0.84	15.9	190.0	0.18	0.38	0.41	10.0	11.5	20.9	2.26	3.3	55	0.05	14.0	0.37	819	1.63	0.039	19.4	680	15.54	0.02	1.80	2.5	0.9	30.5	0.04	3.3	0.004	0.08	0.7	32	0.2	106.2
25	KW44+00N 00+50W	2	0.3	1.02	18.2	338.0	0.24	0.45	0.68	11.4	16.0	43.0	2.87	4.0	90	0.10	23.0	0.41	484	2.61	0.041	33.9	834	18.55	0.04	4.24	3.9	1.7	38.5	0.06	5.3	0.002	0.12	0.9	42	0.2	138.7
26	KW44+00N 00+75W	2	0.3	0.84	13.5	264.5	0.20	0.64	0.52	10.5	12.5	25.4	2.61	2.9	80	0.07	13.0	0.32	715	2.13	0.042	23.3	377	13.06	0.04	2.54	2.3	1.0	41.5	0.06	3.2	0.002	0.10	0.7	34	0.2	125.8
27	KW44+00N 01+00W N/S																																				
28	KW44+00N 01+25W	2	0.2	0.98	10.1	223.5	0.18	0.91	0.29	7.9	13.0	19.4	2.19	3.3	65	0.07	16.0	0.34	341	2.34	0.041	19.5	277	13.89	0.04	2.06	2.1	1.1	53.0	0.04	2.9	0.001	0.08	1.6	34	0.1	80.6
29	KW44+00N 01+50W	3	0.4	0.90	10.8	265.0	0.20	1.69	0.75	7.9	13.0	59.4	2.03	3.0	120	0.08	14.0	0.31	414	1.90	0.036	33.0	656	16.05	0.06	2.48	2.2	1.7	95.0	0.08	1.7	0.001	0.12	3.1	32	0.1	87.9
30	KW44+00N 01+75W	2	0.4	0.80	7.3	179.0	0.14	0.70	0.21	5.9	11.0	17.6	1.46	3.2	40	0.06	13.5	0.25	164	1.48	0.038	12.6	250	10.52	0.04	1.24	1.2	0.6	49.0	0.04	1.7	0.001	0.10	1.0	34	0.2	51.8

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
31	KW44+00N 02+00W	4	1.0	1.25	9.5	499.0	0.24	0.40	0.62	5.5	17.0	68.6	1.76	4.3	185	0.09	16.0	0.19	206	1.36	0.035	30.6	465	14.88	0.04	1.44	2.6	1.0	42.0	0.04	2.0	0.001	0.14	2.1	50	0.2	70.5
32	KW44+00N 02+25W	3	0.4	0.37	2.4	84.0	0.06	0.24	0.16	1.5	5.5	9.7	0.54	1.6	60	0.04	5.0	0.08	32	0.24	0.049	6.0	355	5.97	0.04	0.34	0.3	0.4	22.5	<0.02	0.1	0.003	0.08	0.4	14	<0.1	17.9
33	KW44+00N 02+50W	1	0.1	0.80	15.7	139.5	0.18	0.30	0.24	9.0	12.5	25.2	2.23	3.4	35	0.07	14.0	0.26	521	2.05	0.035	18.0	505	14.69	0.02	2.56	1.8	1.0	26.0	0.04	2.1	0.002	0.10	0.8	36	0.2	95.7
34	KW44+50N 08+00E	1	0.2	1.39	33.8	100.5	0.30	0.04	0.29	7.3	15.5	20.7	3.36	4.6	20	0.04	14.5	0.36	168	2.89	0.032	26.6	480	18.65	0.02	3.88	1.7	1.0	10.0	0.08	2.3	0.001	0.12	0.4	44	0.1	102.5
35	KW44+50N 08+25E	3	0.4	0.93	8.8	382.5	0.16	0.61	0.47	6.8	12.0	27.0	1.90	3.0	85	0.05	11.0	0.27	433	1.22	0.047	20.1	692	13.88	0.04	1.08	2.0	1.5	43.0	0.04	1.8	0.002	0.08	2.5	32	0.2	55.1
36	KW44+50N 08+50E	4	0.2	0.84	10.2	354.0	0.16	0.35	0.42	6.9	13.5	24.2	1.98	3.1	75	0.06	14.5	0.29	221	1.63	0.033	19.3	671	11.21	0.02	1.48	2.1	1.1	30.5	0.04	2.3	0.004	0.08	1.3	36	0.2	97.2
37	KW44+50N 08+75E	4	0.3	0.90	9.6	384.0	0.18	0.49	0.76	7.7	13.5	35.1	1.95	3.3	100	0.05	16.5	0.32	282	1.35	0.035	24.5	838	13.49	0.04	1.44	2.8	2.0	35.0	0.04	3.0	0.004	0.10	1.5	34	0.2	88.1
38	KW44+50N 09+00E	3	0.3	1.14	10.3	469.0	0.22	0.71	0.85	10.6	17.0	33.1	2.52	3.9	95	0.07	15.0	0.39	393	1.70	0.032	28.6	727	15.06	0.04	1.60	3.4	3.1	45.5	0.06	4.1	0.001	0.10	5.4	40	0.2	118.4
39	KW44+50N 09+25E	2	0.2	1.04	9.3	427.5	0.36	0.65	0.25	8.1	15.5	29.7	2.20	3.7	80	0.06	15.5	0.37	240	1.25	0.032	22.2	732	15.32	0.04	1.10	2.9	1.8	41.5	0.08	3.5	0.002	0.08	3.6	34	0.2	69.7
40	KW44+50N 09+50E	3	0.4	1.33	16.6	824.0	0.26	0.96	0.48	14.6	16.0	43.4	3.69	3.7	130	0.05	15.5	0.29	534	2.48	0.031	31.4	913	17.02	0.06	1.84	3.4	2.9	58.5	0.06	3.0	0.001	0.10	3.3	44	0.2	76.4
41	KW44+00N 09+75E	3	0.5	1.12	9.6	520.5	0.16	0.59	0.26	9.0	15.0	30.6	2.29	3.5	90	0.05	14.0	0.31	294	1.44	0.035	29.6	761	13.03	0.04	1.28	2.5	2.6	41.5	0.04	2.0	0.002	0.08	3.6	38	0.2	74.7
42	KW44+00N 10+00E	3	0.3	1.19	13.8	519.0	0.22	0.61	0.23	7.9	17.5	27.4	2.70	4.3	95	0.08	19.5	0.41	293	2.68	0.031	23.1	896	14.80	0.04	1.78	2.9	1.7	46.5	0.08	4.2	0.001	0.08	2.3	50	0.2	103.5
43	KW44+00N 10+25E N/S																																				
44	KW44+00N 10+50E	1	0.2	0.98	9.6	356.0	0.18	0.28	0.20	6.2	14.5	26.0	2.13	3.6	65	0.06	18.0	0.33	178	2.10	0.035	20.6	748	11.90	0.02	1.50	2.4	1.0	25.0	0.06	3.9	0.002	0.06	1.1	40	0.1	90.7
45	KW44+00N 10+75E	2	0.5	0.94	11.8	355.0	0.18	0.36	0.25	6.1	12.0	21.9	2.03	3.2	75	0.06	11.0	0.25	247	2.14	0.040	16.7	716	11.11	0.04	1.20	1.8	1.1	28.0	0.04	1.8	0.001	0.08	1.1	40	0.1	69.3
46	KW44+00N 11+00E	1	0.2	0.98	12.0	227.0	0.16	0.25	0.18	5.5	13.0	16.0	2.14	3.7	50	0.06	16.0	0.30	139	2.12	0.030	14.9	666	13.12	0.02	1.10	1.8	0.8	19.5	0.04	2.9	0.001	0.10	0.8	34	0.2	67.1
47	KW44+00N 11+25E	1	0.2	0.48	5.2	118.0	0.08	0.12	0.27	1.5	7.0	12.9	0.64	2.9	25	0.04	10.5	0.07	54	0.79	0.037	3.4	254	5.10	<0.02	0.30	<0.1	0.3	11.5	<0.02	0.2	0.002	0.06	0.4	18	<0.1	19.2
48	KW44+00N 11+50E	4	0.1	0.80	78.8	170.0	0.52	0.04	0.46	6.8	8.5	24.1	3.99	3.0	25	0.05	22.5	0.12	242	2.41	0.030	16.2	484	26.91	0.04	3.84	2.6	1.7	19.5	0.08	4.7	0.001	0.08	0.7	28	0.3	109.3
49	KW44+00N 11+75E	10	0.5	0.96	142.3	182.0	0.26	0.04	0.60	7.0	13.0	23.0	3.69	3.9	20	0.06	18.0	0.20	228	3.35	0.029	21.2	444	18.76	0.02	4.90	1.6	1.0	11.0	0.06	2.9	0.001	0.12	0.4	40	0.2	121.5
50	KW44+00N 12+00E	7	0.5	0.71	51.8	152.5	0.20	0.32	0.53	6.4	9.0	18.7	2.20	3.5	30	0.06	14.0	0.11	218	1.88	0.035	13.8	525	13.63	0.02	2.60	0.9	0.6	21.0	0.04	0.6	0.001	0.12	0.6	34	0.2	87.2
51	KW44+00N 12+25E	13	0.2	0.83	122.5	165.5	0.28	0.06	0.56	13.9	12.0	30.4	3.36	3.4	25	0.07	19.0	0.19	571	3.39	0.028	25.2	700	22.05	0.02	5.42	1.6	1.3	14.0	0.10	2.7	0.001	0.14	0.6	38	0.2	130.8
52	KW44+00N 12+50E	12	0.4	0.74	67.9	223.5	0.24	0.36	0.68	8.1	9.0	28.8	2.31	3.1	35	0.06	19.5	0.18	234	2.74	0.036	25.2	525	13.10	0.02	4.24	1.3	1.1	25.0	0.06	1.2	0.002	0.10	0.8	32	0.2	130.6
53	KW44+00N 12+75E	2	0.2	0.62	11.6	206.5	0.18	0.17	0.46	6.3	10.0	29.9	2.01	2.7	35	0.06	12.5	0.15	253	2.70	0.035	22.2	469	13.09	<0.02	2.44	0.7	0.9	16.5	0.06	0.4	0.002	0.10	0.8	32	0.1	93.6
54	KW44+00N 13+00E	3	0.9	0.91	8.5	189.5	0.18	0.60	1.04	10.2	14.0	30.7	2.23	3.1	60	0.08	14.5	0.37	553	1.54	0.034	24.7	719	14.56	0.04	1.64	2.3	1.1	50.5	0.04	3.4	0.005	0.10	0.6	34	0.2	122.2
55	KW44+00N 13+25E	2	0.3	0.94	7.6	313.5	0.16	0.51	0.47	6.1	13.5	22.6	1.90	3.2	95	0.07	13.5	0.32	268	2.14	0.032	18.4	833	11.95	0.04	1.14	2.0	2.7	43.0	0.06	2.3	0.003	0.08	2.0	40	0.1	87.3
56	KW44+00N 13+50E N/S																																				
57	KW44+00N 13+75E	2	0.6	1.01	9.6	189.5	0.14	0.08	0.50	7.8	12.0	25.7	2.08	2.7	35	0.05	14.0	0.24	214	1.90	0.025	21.3	369	8.60	<0.02	1.32	1.7	0.9	10.5	0.04	2.8	0.001	0.10	0.6	32	0.1	100.4
58	KW44+00N 14+00E	1	0.2	0.95	12.4	133.5	0.18	0.09	0.52	5.1	14.0	18.1	1.89	4.4	20	0.06	24.5	0.27	180	2.42	0.028	20.7	253	9.69	<0.02	1.40	1.1	0.9	9.5	0.06	1.4	0.002	0.12	0.7	42	0.2	105.4
59	KW45+00N 03+25E	2	0.2	0.85	12.3	313.0	0.18	0.42	0.68	8.4	12.0	28.7	2.14	2.9	75	0.08	13.0	0.30	490	1.83	0.033	23.6	530	12.85	0.02	1.90	2.0	1.0	34.0	0.04	2.3	0.003	0.08	0.9	32	0.1	102.7
60	KW45+00N 03+50E	1	0.2	0.90	11.2	356.0	0.18	0.20	0.69	6.9	11.5	29.0	1.93	3.3	50	0.08	16.0	0.24	336	1.81	0.031	19.3	635	11.86	<0.02	1.68	1.5	0.8	25.0	0.04	1.5	0.002	0.08	0.8	34	0.1	79.4
61	KW45+00N 03+75E	1	0.1	0.71	13.7	112.0	0.18	0.08	0.22	5.1	11.5	19.9	2.09	3.1	20	0.05	12.0	0.23	219	1.84	0.028	16.0	561	11.52	<0.02	2.16	1.6	0.8	14.0	0.06	2.0	0.004	0.06	0.5	36	0.1	75.3
62	KW45+00N 04+00E	2	0.1	0.93	17.7	155.5	0.22	0.09	0.29	7.1	12.5	23.2	2.76	3.9	25	0.06	13.5	0.24	328	2.31	0.028	18.8	457	15.77	<0.02	2.54	1.6	0.9	18.5	0.06	2.9	0.003	0.10	0.5	42	0.2	90.2
63	KW45+00N 04+25E	2	0.2	0.73	12.3	168.0	0.18	0.09	0.29	5.3	10.5	19.8	2.18	2.9	25	0.04	12.5	0.20	217	1.76	0.026	15.9	425	12.01	<0.02	1.76	1.0	0.7	14.5	0.06	1.4	0.003	0.08	0.5	32	0.2	66.6
64	KW45+00N 04+50E	1	0.1	0.63	13.2	106.0	0.16	0.05	0.24	3.5	9.0	12.0	1.85	3.7	15	0.05	11.0	0.15	150	1.99	0.027	8.7	452	9.37	<0.02	1.78	0.4	0.4	12.0	0.04	0.3	0.002	0.08	0.4	38	0.1	47.6
65	KW45+00N 04+75E	1	0.1	0.66	12.2	126.0	0.14	0.08	0.59	4.4	8.0	16.8	1.69	3.2	25	0.05	8.0	0.11	330	1.69	0.036	7.9	535	9.54	<0.02	1.92	0.2	0.5	15.0	0.06	0.2	0.002	0.08	0.5	32	0.1	61.7
66	KW45+00N 05+00E	5	1.3	1.16	10.6	255.0	0.18	0.79	3.06	6.8	18.0	66.4	1.95	4.0	215	0.10	19.5	0.51	245	1.44	0.036	39.7	880	13.37	0.04	2.50	4.6	2.3	59.0	0.08	2.1	0.003	0.26	2.7	44	0.2	116.3
67	KW46+50N 00+00	2	0.3	1.11	25.2	286.0	0.24	0.39	0.55	15.3	14.5	32.1	3.03	4.1	75	0.07	21.0	0.44	785	2.05	0.031	28.6	636	22.37	0.04	2.28	3.6	1.9	32.5	0.04	3.2	0.005	0.12	1.6	36	0.2	125.9
68	KW46+50N 00+25E	1	0.3	0.99	19.1	200.0	0.16	0.33	0.68	10.3	12.5	24.2	2.60	3.6	35	0.06	18.0	0.46	444	1.66	0.032	27.8	691	16.91	0.02	1.70	2.8	1.2	27.5	0.06	2.6	0.005	0.08	1.0	32	<0.1	125.2
69	KW46+50N 00+50E N/S																																				
70	KW46+50N 00+75E	2	0.4	0.96	16.3	334.5	0.24	0.37	0.81	10.2	14.5	38.3	2.53	3.5	110	0.08	18.5	0.34	519	2.18	0.030	29.8	933	15.19	0.02	2.60	3.0	1.5	35.0	0.08	3.1	0.004	0.12	1.0	40	0.2	135.5
71	KW46+50N 01+00E	4	0.4	0.96	13.6	547.5	0.24	1.02	0.54	9.4	12.0	41.0	2.19	2.6	115	0.07	12.0	0.31	420	1.77	0.033	20.8	573	15.65	0.04	2.22	1.9	1.5	64.5	0.08	1.7	0.004	0.08	1.9	34	0.2	84.9
72	KW46+50N 01+25E	7	0.3	0.75	9.9	278.5	0.16	0.43	0.39	6.6	10.5	31.4	1.65	2.8	90	0.06	11.0	0.24	249	1.49	0.038	20.4	526	10.51	0.02	1.66	2.0	0.8	32.5	0.04	2.0	0.003	0.14	0.7	30	0.3	86.8
73	KW46+50N 02+25E	6	0.5	0.79	7.1	303.5	0.14	0.52	0.96	7.8	15.0	31.9	1.67	3.1	130	0.06	14.0	0.40	255	1.17	0.032	22.4	814	8.84	0.04	1.52	2.9	1.1	49.5	0.04	2.1	0.005	0.16	3.2	34	0.3	96.8
74	KW46+50N 02+50E	5	0.1	0.51	4.3	155.0	0.08	0.32	0.16	2.0	10.0	11.4	0.90	2.9	30	0.07	13.0	0.19	40	1.17	0.029	6.8	426	6.67	0.04	0.98	0.9	0.6	31.0	0.04	1.3	0.003	0.12	0.7	24	0.2	43.5
75	KW46+50N 02+75E	5	0.2	0.88	20.0	147.5	0.18	0.10	0.45	5.7	15.5	35.6	2.94	3.5	40	0.06	12.0	0.34	200	2.81	0.026	20.9	927	15.65	0.02	4.02	1.9	1.1	28.0	0.08	3.0	0.002	0.16	0.9	46	0.3	111.2

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
76	KW46+50N 03+00E N/S																																			
77	KW46+50N 03+25E	2	0.1	0.45	3.7	183.0	0.10	0.24	0.68	7.0	7.0	15.2	0.61	2.3	15	0.04	7.5	0.11	434	0.88	0.036	4.9	205	13.62	<0.02	0.34	0.4	0.3	19.5	0.02	0.3	0.004	0.08	0.5	18	0.2	29.2
78	KW46+50N 03+50E	1	0.3	0.60	19.1	79.5	0.24	0.02	0.67	3.6	10.5	16.9	2.29	3.6	15	0.04	6.5	0.14	120	2.25	0.024	11.1	471	13.95	<0.02	1.90	1.1	0.5	8.0	0.06	1.1	0.008	0.12	0.4	50	0.2	73.3
79	KW46+50N 03+75E	2	0.1	1.06	24.8	121.5	0.30	0.11	0.35	10.0	19.0	31.1	2.75	5.3	20	0.07	10.5	0.52	536	3.07	0.032	21.5	719	27.31	0.02	2.60	0.4	0.8	19.5	0.06	0.2	0.009	0.14	0.7	52	0.3	132.4
80	KW46+50N 04+00E	3	0.1	0.92	21.7	132.5	0.38	0.09	0.33	6.3	15.5	26.8	3.09	4.9	15	0.06	10.5	0.28	208	2.77	0.037	17.1	1269	28.45	<0.02	2.34	1.6	0.7	19.0	0.08	1.8	0.010	0.16	0.6	62	0.5	118.0
81	KW46+50N 04+25E	3	0.2	0.98	22.1	133.0	0.28	0.07	0.51	10.1	14.0	31.8	2.72	4.1	30	0.05	9.0	0.26	443	2.62	0.029	18.1	685	24.33	0.02	2.32	0.9	0.8	14.0	0.06	0.5	0.005	0.14	0.6	46	0.5	109.5
82	KW46+50N 04+50E	4	0.5	1.39	26.2	256.0	0.30	0.08	0.68	14.2	20.5	42.1	3.12	4.4	45	0.06	12.0	0.47	437	3.06	0.030	28.8	447	26.49	0.02	2.72	2.4	0.9	16.5	0.06	2.7	0.005	0.20	0.8	52	0.3	126.8
83	KW46+50N 04+75E	7	0.5	0.99	9.6	400.5	0.20	0.86	0.82	7.2	15.5	80.4	2.10	3.4	235	0.08	17.5	0.36	198	2.11	0.033	33.0	747	14.42	0.04	2.10	3.7	2.2	51.0	0.06	3.3	0.003	0.12	3.6	38	0.2	97.4
84	KW46+50N 05+00E	6	0.4	0.79	4.9	344.5	0.20	0.99	0.25	5.0	11.0	51.9	1.37	2.6	165	0.04	11.0	0.30	223	0.90	0.039	17.9	678	10.24	0.04	1.54	1.7	1.3	55.5	0.04	1.2	0.005	0.08	5.1	26	0.2	46.2
85	KW46+50N 00+25W	3	0.3	0.90	29.1	281.0	0.28	0.32	0.49	10.2	15.5	29.9	2.57	3.6	95	0.08	19.0	0.35	280	2.81	0.031	27.4	765	18.75	0.02	2.12	2.8	1.7	37.0	0.06	4.3	0.003	0.10	1.2	40	0.3	140.0
86	KW46+50N 00+50W	5	0.8	1.04	17.1	426.0	0.42	0.71	0.40	9.8	16.0	140.8	2.04	3.4	135	0.08	12.0	0.32	449	1.99	0.069	24.5	678	22.34	0.06	1.38	2.5	1.1	56.5	0.08	3.0	0.001	0.10	1.3	46	0.2	110.4
87	KW46+50N 00+75W	5	0.4	0.84	17.5	318.0	0.18	0.31	0.67	8.8	15.0	47.6	2.18	3.4	125	0.07	15.5	0.26	437	3.02	0.033	28.7	697	15.43	0.02	3.36	2.6	1.5	39.5	0.06	2.3	0.002	0.14	1.8	48	0.2	113.8
88	KW46+50N 01+00W	3	0.2	0.70	20.1	149.0	0.16	0.14	0.37	6.8	14.5	31.5	2.46	2.9	25	0.06	13.0	0.27	229	3.12	0.026	24.0	883	13.10	0.02	4.02	2.0	1.2	33.5	0.08	3.3	0.001	0.12	0.9	48	0.1	113.1
89	KW46+50N 01+25W	4	0.2	0.71	13.1	222.0	0.16	0.26	0.22	4.9	13.5	21.3	2.06	3.3	70	0.05	17.0	0.25	102	2.67	0.029	14.6	728	12.56	<0.02	2.28	1.8	0.8	34.0	0.08	3.8	0.003	0.08	1.0	44	0.2	73.5
90	KW46+50N 01+50W	3	0.2	0.93	21.9	287.0	0.22	0.52	0.27	6.5	16.5	24.5	1.98	4.4	60	0.08	17.0	0.34	269	2.08	0.031	16.1	555	17.73	0.04	1.56	2.1	0.7	42.5	0.06	3.2	0.003	0.10	1.0	50	0.2	87.9
91	KW46+50N 01+75W	5	0.5	1.20	13.8	202.0	0.22	0.27	0.30	10.1	17.5	25.4	2.02	4.4	115	0.07	15.0	0.36	608	1.70	0.031	18.9	817	17.13	0.02	1.12	2.4	0.9	27.0	0.04	3.0	0.002	0.14	1.3	46	0.3	78.6
92	KW46+50N 02+00W	4	0.9	0.28	8.1	72.0	0.10	0.13	0.12	1.7	9.5	14.6	0.85	2.5	165	0.05	10.0	0.05	42	2.35	0.032	5.6	311	6.30	0.02	1.08	0.2	0.8	14.5	0.04	0.2	0.002	0.10	0.4	24	0.2	32.3
93	KW46+50N 02+25W N/S																																			
94	KW46+50N 02+50W N/S																																			
95	KW46+50N 02+75W N/S																																			
96	KW46+50N 03+00W	1	0.5	1.19	28.9	64.5	0.14	0.08	0.14	5.8	7.5	7.8	3.11	4.2	20	0.03	5.5	0.12	456	1.46	0.036	4.5	343	15.50	<0.02	1.46	1.1	0.2	9.0	0.04	1.3	0.003	0.08	0.3	34	0.2	86.0
97	KW46+50N 03+25W N/S																																			
98	KW46+50N 03+50W	3	0.1	0.94	21.4	222.5	0.22	0.15	0.35	9.7	14.0	20.4	2.48	3.9	35	0.06	17.0	0.28	514	2.13	0.030	19.7	636	16.84	<0.02	2.02	1.9	1.0	19.0	0.04	3.4	0.002	0.12	0.7	42	0.2	89.6
99	KW46+50N 03+75W	1	0.1	0.52	16.5	64.0	0.22	0.01	0.07	3.3	8.0	11.6	2.04	4.1	15	0.04	17.5	0.11	122	1.90	0.026	7.4	207	12.38	<0.02	1.70	0.9	0.5	7.5	0.08	3.4	0.003	0.08	0.3	36	0.2	49.3
100	KW46+50N 04+00W	1	0.1	0.76	17.3	71.0	0.22	0.05	0.09	3.2	9.5	6.6	2.23	4.2	25	0.04	12.0	0.13	129	1.66	0.028	6.4	185	11.01	<0.02	1.24	0.8	0.3	7.0	0.04	2.3	0.003	0.08	0.3	38	0.2	41.6
101	KW46+50N 04+25W	2	0.1	0.42	2.4	14.5	0.02	0.07	0.03	1.0	1.0	4.1	0.36	1.6	15	0.02	2.0	0.02	31	0.12	0.045	0.6	141	3.00	<0.02	0.04	0.2	0.1	8.0	100.00	0.2	0.015	<0.02	0.2	10	<0.1	6.0
102	KW46+50N 04+50W	9	0.8	1.00	41.6	123.5	0.14	1.40	0.41	7.6	7.5	26.8	1.51	2.9	65	0.07	13.5	0.19	599	0.83	0.054	21.5	605	14.16	0.08	1.52	2.0	1.3	158.5	0.06	1.3	0.002	0.12	1.4	20	<0.1	56.4
103	KW47+00N 01+00E	4	0.5	0.63	21.2	263.5	0.44	0.47	0.94	9.2	12.0	37.3	2.26	2.6	145	0.06	11.5	0.27	404	2.32	0.032	28.4	720	18.90	0.02	2.14	2.7	1.2	41.0	0.10	3.2	0.003	0.14	1.2	34	0.3	133.3
104	KW47+00N 01+25E	3	0.3	0.57	17.9	238.0	0.44	0.33	0.68	10.0	10.5	34.5	2.15	2.3	90	0.06	10.0	0.23	430	1.99	0.031	22.8	592	19.52	0.02	1.98	2.2	1.1	30.5	0.06	3.3	0.002	0.14	0.9	30	0.3	108.5
105	KW47+00N 01+50E	4	0.4	0.61	30.6	333.0	0.52	0.42	1.26	12.2	12.0	50.0	2.88	2.6	130	0.06	13.0	0.29	498	2.54	0.031	33.8	1017	23.71	0.04	2.50	3.1	1.3	45.5	0.08	5.4	0.003	0.16	1.0	36	0.4	152.7
106	KW47+00N 01+75E N/S																																			
107	KW47+00N 02+00E	3	0.2	1.07	10.8	145.0	0.18	0.12	0.30	5.7	16.0	15.5	2.02	5.2	25	0.09	14.5	0.52	202	1.99	0.028	13.1	946	14.68	<0.02	1.58	1.4	0.6	21.5	0.06	2.0	0.013	0.10	0.6	50	0.1	94.3
108	KW47+00N 02+25E	2	<0.1	0.33	7.8	48.5	0.10	0.03	0.21	3.1	5.5	11.0	1.14	2.0	5	0.02	4.0	0.10	111	1.20	0.012	7.1	308	8.77	<0.02	1.08	0.4	0.3	6.5	<0.02	0.3	0.003	0.04	0.2	24	0.1	48.3
109	KW47+00N 02+50E	5	0.5	0.83	7.7	185.5	0.16	0.33	0.33	6.0	12.0	23.5	1.40	3.2	65	0.06	12.0	0.34	244	1.08	0.033	15.9	448	10.78	0.02	1.06	1.3	0.5	27.5	0.04	0.7	0.007	0.12	0.8	30	0.1	83.4
110	KW47+00N 02+75E	2	0.1	0.38	4.1	75.5	0.14	0.03	0.14	1.6	5.5	8.5	0.57	2.9	15	0.03	8.0	0.03	63	0.66	0.028	2.8	198	6.85	<0.02	0.52	0.1	0.2	7.5	<0.02	0.1	0.007	0.06	0.3	18	0.1	17.9
111	KW47+00N 03+00E N/S																																			
112	KW47+00N 03+25E	3	0.3	0.66	33.7	229.5	0.18	0.28	0.27	5.1	10.5	26.8	1.43	2.7	170	0.05	11.0	0.26	190	1.27	0.030	14.2	677	11.03	0.02	2.12	1.4	1.1	27.0	0.04	0.9	0.005	0.08	1.6	26	0.2	66.8
113	KW47+00N 03+50E	4	0.4	0.37	383.9	129.5	1.28	0.20	0.56	9.4	5.0	17.3	5.88	2.1	235	0.12	16.0	0.05	297	1.54	0.036	13.4	919	37.71	0.22	11.40	5.0	3.1	107.5	0.10	3.8	0.005	0.42	1.1	36	1.4	112.0
114	KW47+00N 03+75E	3	0.2	0.94	23.5	136.5	0.26	0.13	0.44	10.4	14.0	27.2	3.09	3.4	45	0.06	13.5	0.28	465	2.82	0.025	20.6	1011	18.28	<0.02	3.26	1.3	1.4	16.0	0.06	1.7	0.002	0.14	1.0	40	0.2	134.1
115	KW47+00N 04+00E	2	0.2	0.94	10.4	381.5	0.22	0.53	0.40	8.2	13.0	24.8	2.19	3.3	75	0.06	12.0	0.27	494	2.13	0.026	16.3	687	14.31	0.04	1.54	1.6	1.1	37.5	0.06	1.7	0.001	0.10	1.5	36	0.1	88.5
116	KW47+00N 04+25E	2	0.2	0.76	12.2	220.0	0.20	0.38	0.43	6.7	11.0	29.9	1.98	2.9	70	0.06	14.0	0.28	267	2.16	0.030	19.6	699	11.82	0.02	1.92	1.9	0.9	27.0	0.04	2.8	0.004	0.10	0.8	30	0.1	104.2
117	KW47+00N 04+50E	2	0.2	0.81	13.1	233.5	0.22	0.40	0.32	7.5	13.5	25.9	2.33	3.1	50	0.06	14.0	0.32	406	2.59	0.026	21.8	621	13.82	0.02	2.24	1.9	0.9	28.5	0.04	3.0	0.003	0.08	0.8	34	0.1	117.0
118	KW47+00N 04+75E	2	0.3	1.01	12.7	196.5	0.20	0.59	0.48	8.2	16.0	26.3	2.06	3.4	70	0.06	9.0	0.44	197	1.73	0.030	24.9	695	16.48	0.04	1.82	2.0	0.6	41.5	0.06	1.4	0.009	0.12	0.8	36	0.3	144.0
119	KW47+00N 05+00E N/S																																			
120	KW47+00N 05+25E N/S																																			

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
121	KW47+00N 05+50E	3	0.5	0.80	8.3	345.5	0.14	0.90	0.52	7.3	13.0	31.1	1.76	3.1	105	0.06	11.5	0.42	254	1.44	0.033	20.3	620	9.69	0.04	1.80	1.9	0.9	58.0	0.06	1.6	0.008	0.08	1.6	36	0.1	94.0
122	KW47+00N 05+75E	3	0.4	0.69	15.9	274.0	0.14	0.36	2.58	10.2	15.0	44.3	2.52	3.0	40	0.05	8.0	0.18	695	1.87	0.032	22.4	507	13.71	0.02	2.56	2.5	0.7	29.5	0.04	0.7	0.006	0.08	0.8	42	0.2	158.7
123	KW47+00N 06+00E	2	0.3	0.70	19.6	259.5	0.18	0.34	1.30	9.6	12.0	31.8	2.40	3.3	35	0.06	10.0	0.26	1180	2.90	0.031	18.3	562	12.85	0.02	4.10	1.4	0.9	31.5	0.10	0.8	0.003	0.16	0.8	46	0.1	150.2
124	KW47+00N 06+25E	3	0.9	0.50	6.4	411.0	0.12	0.57	1.14	4.2	6.5	26.3	0.92	2.5	55	0.03	8.5	0.07	419	1.17	0.031	8.3	451	8.47	0.04	1.32	0.5	0.6	32.5	0.02	0.3	0.005	0.06	1.4	24	0.1	46.7
125	KW47+00N 06+50E	2	0.5	0.84	74.5	187.5	0.18	0.06	0.42	4.4	11.0	26.1	2.41	3.7	20	0.04	10.0	0.17	296	2.37	0.027	12.8	573	11.49	<0.02	3.42	1.1	0.6	14.5	0.08	1.6	0.001	0.10	0.4	50	0.1	89.6
126	KW47+00N 06+75E	14	0.1	0.49	12.5	85.5	0.16	0.03	0.48	3.4	6.0	25.1	1.43	3.2	15	0.04	10.5	0.07	165	2.05	0.025	8.3	504	8.47	<0.02	2.52	0.3	0.5	12.0	0.06	0.2	0.003	0.08	0.4	34	0.1	77.4
127	KW47+00N 07+00E	1	0.3	0.86	22.6	139.0	0.24	0.03	0.62	6.3	13.5	30.2	3.52	5.0	20	0.05	11.0	0.16	470	3.38	0.027	14.0	1050	15.13	0.02	4.28	0.9	0.8	13.0	0.08	0.7	0.003	0.14	0.6	62	0.2	117.7
128	KW47+00N 07+25E N/S																																				
129	KW47+00N 07+50E N/S																																				
130	KW47+00N 07+75E	4	0.4	0.86	18.0	456.5	0.16	0.59	0.57	7.2	13.5	28.2	2.27	3.4	60	0.06	9.0	0.27	253	2.16	0.032	16.0	497	11.96	0.04	3.06	1.3	1.0	41.0	0.06	1.2	0.002	0.08	2.0	38	0.3	62.6
131	KW47+00N 08+00E	1	0.6	0.69	16.9	217.0	0.16	0.04	0.35	4.1	9.0	22.7	1.94	3.4	30	0.05	12.5	0.11	85	2.72	0.026	11.7	340	9.81	0.02	3.98	0.9	0.5	15.5	0.08	1.7	0.001	0.08	0.4	48	0.2	64.1
132	KW47+00N 08+25E	4	0.2	0.70	22.7	125.0	0.18	0.11	0.52	4.9	12.5	26.1	2.79	3.1	25	0.04	9.0	0.26	206	2.56	0.026	16.6	1468	13.94	0.02	3.80	1.5	0.8	25.5	0.08	2.4	0.003	0.12	0.7	46	0.2	108.5
133	KW47+00N 08+50E	1	0.2	0.73	26.5	138.5	0.26	0.04	0.30	4.5	10.0	21.5	2.80	4.4	15	0.04	11.0	0.12	366	2.72	0.027	11.7	1213	17.48	<0.02	3.76	0.8	0.7	15.0	0.06	0.8	0.003	0.12	0.5	62	0.3	86.2
134	KW47+00N 01+50W	3	0.2	0.68	10.3	183.5	0.12	0.54	0.61	6.8	8.5	28.9	1.46	2.4	70	0.04	9.5	0.22	325	1.23	0.035	34.5	494	9.58	0.04	1.66	1.3	1.1	40.0	0.06	1.3	0.005	0.06	0.8	24	0.1	128.3
135	KW47+00N 01+75W	1	0.1	0.65	244.7	43.5	0.22	0.02	0.22	3.9	10.0	13.2	3.23	5.4	10	0.04	10.0	0.08	140	2.46	0.026	8.1	274	10.88	<0.02	2.96	0.8	0.6	5.5	0.06	1.7	0.013	0.08	0.4	48	0.3	71.6
136	KW47+00N 02+00W	1	0.1	1.45	29.4	84.5	0.18	0.05	0.18	5.4	5.5	8.6	3.60	6.0	20	0.04	10.5	0.09	303	1.63	0.027	3.0	243	17.14	0.02	2.54	0.8	0.3	6.0	0.02	2.4	0.001	0.12	0.4	48	0.2	61.1
137	KW47+00N 02+25W	1	0.2	1.83	52.7	105.0	0.16	0.03	0.14	5.0	7.5	8.3	3.90	6.7	15	0.04	10.5	0.14	165	1.68	0.027	3.8	222	14.80	0.02	1.96	1.0	0.3	6.0	0.04	2.8	0.001	0.16	0.5	50	0.2	56.8
138	KW47+00N 02+50W N/S																																				
139	KW47+00N 02+75W	3	0.5	1.33	281.6	47.0	0.44	0.06	0.16	7.6	18.5	13.5	4.73	4.4	25	0.05	16.0	0.24	248	1.15	0.028	4.4	347	28.80	0.04	2.04	2.0	1.2	6.5	<0.02	2.1	0.001	0.06	0.4	36	<0.1	60.2
140	KW47+00N 03+00W	3	0.1	0.99	189.1	77.0	0.20	0.04	0.13	6.7	14.0	17.2	3.66	3.7	15	0.04	12.0	0.26	228	2.02	0.026	10.7	182	19.20	0.02	3.60	1.4	1.2	10.5	0.04	2.1	0.002	0.06	0.3	32	0.2	58.7
141	KW47+00N 03+25W	13	0.8	1.00	223.1	68.0	0.18	0.14	0.35	16.4	6.0	16.0	3.46	2.8	35	0.05	8.0	0.28	1187	1.35	0.034	6.5	659	30.79	0.04	3.82	0.7	0.8	8.5	0.02	1.0	0.003	0.12	0.7	18	0.4	80.3
142	KW47+00N 03+50W	5	0.5	1.11	55.1	132.5	0.24	0.40	0.51	12.3	8.5	27.0	3.20	3.6	20	0.08	16.0	0.23	744	1.41	0.032	16.3	498	18.72	0.06	2.20	1.0	0.9	24.0	0.06	1.3	0.003	0.12	1.1	26	0.3	84.5
143	KW47+00N 03+75W	4	0.4	1.22	102.5	101.0	0.38	0.73	0.30	15.8	8.5	16.0	4.37	3.4	35	0.09	12.0	0.34	960	1.58	0.037	14.6	332	38.95	0.06	2.40	1.2	0.7	33.5	0.04	1.4	0.001	0.10	0.7	22	0.3	107.1
144	KW47+00N 04+00W	2	0.6	2.06	66.0	136.5	0.40	0.06	0.15	15.6	13.5	12.8	8.21	6.2	15	0.05	10.5	0.68	489	1.74	0.028	7.5	389	50.77	0.04	1.52	2.0	0.5	8.5	0.02	3.5	0.001	0.10	0.8	40	0.3	112.4
145	KW47+00N 04+25W	2	<0.1	1.13	21.6	57.5	0.26	0.07	0.09	2.9	10.0	4.9	2.58	4.9	10	0.03	6.0	0.22	141	1.49	0.028	6.2	276	14.82	0.02	1.16	0.6	0.2	7.0	0.02	0.8	0.003	0.10	0.3	44	0.4	52.2
146	KW47+00N 04+50W N/S																																				
147	KW47+00N 04+75W	2	0.1	1.25	12.7	118.0	0.16	0.07	0.16	6.6	11.0	13.7	2.48	3.3	15	0.03	9.5	0.25	458	1.37	0.028	14.3	188	10.44	<0.02	1.40	0.9	0.3	7.5	0.02	1.6	0.002	0.12	0.4	32	0.3	84.2
148	KW47+50N 00+00	3	0.1	0.87	21.8	296.0	0.24	0.17	0.30	9.4	13.5	29.8	2.79	2.7	45	0.06	11.0	0.30	269	2.44	0.028	24.1	324	12.22	0.02	2.78	1.4	0.9	15.0	0.04	2.3	0.003	0.06	0.9	34	0.3	109.0
149	KW47+50N 02+00E	3	0.1	0.75	23.3	105.0	0.24	0.09	0.39	5.4	13.0	30.4	3.41	3.7	20	0.04	9.0	0.23	248	3.21	0.026	17.8	1784	12.98	0.04	4.30	1.0	0.9	22.5	0.06	1.2	0.005	0.10	0.7	56	0.3	123.7
150	KW47+50N 02+25E	1	<0.1	0.58	21.2	73.5	0.24	0.04	0.21	5.0	8.0	15.0	2.44	2.8	15	0.03	7.0	0.13	210	2.29	0.036	12.6	552	9.41	0.02	2.52	0.6	0.6	8.0	0.04	0.8	0.005	0.06	0.3	36	0.3	78.3
151	KW47+50N 02+50E	2	0.1	0.62	44.9	239.5	0.44	0.10	0.33	6.2	8.5	17.6	2.97	2.1	25	0.03	7.0	0.16	222	2.03	0.028	15.6	349	15.32	0.04	3.38	0.9	0.8	15.5	0.06	1.2	0.002	0.08	0.4	30	0.5	90.3
152	KW47+50N 02+75E	4	0.3	0.76	22.7	306.0	0.20	0.53	0.65	9.5	9.0	30.7	3.10	1.9	65	0.05	8.0	0.21	335	1.71	0.031	28.7	600	14.59	0.04	8.58	2.6	0.9	32.0	0.02	1.6	0.003	0.08	1.0	20	0.4	114.4
153	KW47+50N 03+00E	1	0.2	0.44	50.7	157.5	0.28	0.21	0.63	5.2	7.5	27.3	2.30	1.8	55	0.03	11.5	0.18	135	2.63	0.030	20.4	779	7.80	0.02	3.18	1.9	2.9	22.0	0.04	2.9	0.003	0.06	0.9	22	0.5	109.5
154	KW47+50N 03+25E	5	1.6	0.21	827.9	111.5	0.40	0.01	0.17	2.0	5.0	26.3	3.62	0.7	115	0.10	2.0	0.02	26	21.87	0.031	9.0	568	42.51	0.38	38.60	2.0	21.3	96.5	0.14	1.4	0.001	0.22	1.6	28	0.7	56.0
155	KW47+50N 03+50E	6	0.6	1.17	23.9	440.5	0.30	1.05	1.36	5.6	11.5	52.5	2.35	2.9	195	0.07	10.5	0.27	335	2.00	0.038	29.8	827	10.17	0.10	2.58	1.9	1.9	59.0	0.08	1.2	0.003	0.20	3.1	30	0.2	166.9
156	KW47+50N 03+75E N/S																																				
157	KW47+50N 04+00E N/S																																				
158	KW47+50N 04+25E	2	0.2	0.82	11.1	340.5	0.18	0.48	0.61	6.4	12.5	22.6	2.22	2.5	75	0.04	7.5	0.31	228	1.80	0.032	20.5	586	8.25	0.04	1.54	1.3	0.7	34.5	0.06	1.4	0.004	0.08	0.9	30	0.2	113.1
159	KW47+50N 04+50E	3	0.4	0.85	9.5	497.5	0.18	0.67	0.89	8.3	12.0	35.3	1.98	2.5	110	0.04	8.5	0.27	455	1.63	0.034	24.2	742	11.97	0.06	1.38	1.3	1.0	45.0	0.06	1.2	0.005	0.08	1.1	30	0.2	89.0
160	KW47+50N 04+75E	3	0.3	0.83	14.5	395.0	0.22	0.46	0.73	7.3	12.5	34.7	2.59	2.6	75	0.04	9.0	0.29	291	2.30	0.031	25.2	706	11.50	0.04	2.08	1.4	1.0	36.5	0.06	1.3	0.004	0.10	1.1	34	0.2	125.0
161	KW47+50N 05+00E N/S																																				
162	KW47+50N 05+25E N/S																																				
163	KW47+50N 05+50E	2	0.1	0.69	13.6	196.0	0.20	0.16	0.35	7.4	11.5	25.4	2.45	2.3	30	0.03	6.5	0.23	353	2.09	0.034	20.5	460	11.77	<0.02	1.92	0.9	0.6	14.5	0.04	1.2	0.003	0.08	0.4	30	0.2	100.7
164	KW47+50N 05+75E	3	0.1	0.85	14.9	374.5	0.24	0.29	0.45	8.3	15.0	28.4	2.87	3.0	40	0.04	9.5	0.35	430	2.53	0.028	24.2	649	13.03	0.02	2.12	1.5	0.9	25.0	0.06	2.1	0.006	0.08	0.8	36	0.3	130.3
165	KW47+50N 06+00E	2	0.1	0.52	13.1	191.0	0.18	0.20	0.54	5.8	11.5	20.9	1.86	2.7	40	0.04	7.0	0.20	282	2.33	0.030	12.3	473	8.14	0.04	2.16	0.7	0.7	26.0	0.04	0.8	0.007	0.08	0.6	32	0.2	71.6

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
166	KW47+50N 06+25E	2	0.3	0.75	18.5	107.0	0.22	0.07	0.38	5.5	10.0	16.4	2.74	3.6	35	0.04	6.5	0.14	265	2.48	0.032	11.9	985	10.25	0.04	3.02	0.4	0.6	14.5	0.04	0.3	0.005	0.08	0.4	48	0.3	74.9
167	KW47+50N 06+50E	2	0.2	1.09	26.0	130.5	0.22	0.05	0.47	7.2	16.5	27.0	4.09	3.8	15	0.04	7.5	0.27	406	3.59	0.027	20.4	1162	18.51	0.04	4.10	1.4	0.9	16.5	0.06	2.1	0.005	0.12	0.6	60	0.2	135.5
168	KW47+50N 06+75E	1	0.1	0.53	21.8	116.0	0.26	0.02	0.45	4.0	8.5	30.5	2.39	3.7	20	0.04	11.0	0.10	183	3.35	0.030	14.5	820	11.99	0.02	4.38	0.7	0.7	14.0	0.04	0.8	0.007	0.12	0.5	56	0.2	111.6
169	KW47+50N 07+00E	1	0.1	0.69	21.6	217.5	0.22	0.07	0.80	4.5	11.5	19.2	2.90	3.5	15	0.04	8.5	0.19	236	2.95	0.030	14.3	841	10.07	0.02	3.72	0.8	0.6	19.5	0.06	0.9	0.006	0.08	0.4	58	0.2	101.5
170	KW47+50N 07+25E	1	0.2	0.74	22.4	150.0	0.22	0.04	0.60	4.5	10.5	22.3	2.93	4.1	20	0.04	9.0	0.17	160	3.04	0.028	14.7	1237	11.22	0.02	3.62	0.8	0.7	14.0	0.06	1.0	0.005	0.08	0.5	60	0.3	111.6
171	KW47+50N 07+50E	1	0.2	0.55	25.7	113.5	0.20	0.08	0.61	5.5	11.0	24.9	2.85	3.3	20	0.04	7.0	0.16	193	3.11	0.030	18.5	815	11.89	0.02	4.10	0.9	0.7	16.0	0.06	1.0	0.006	0.08	0.5	52	0.2	117.1
172	KW47+50N 07+75E	2	0.3	0.71	24.0	171.5	0.16	0.10	0.98	5.8	11.0	29.2	2.89	2.7	25	0.04	8.0	0.30	161	2.89	0.027	17.8	709	10.79	0.04	4.58	1.1	0.9	23.0	0.06	1.7	0.003	0.10	0.5	40	0.2	95.6
173	KW47+50N 08+00E	1	0.4	0.78	26.3	239.5	0.22	0.07	0.75	5.3	11.5	21.6	3.23	3.6	20	0.05	8.5	0.19	137	3.63	0.030	16.5	576	11.70	0.04	4.60	0.9	0.7	15.0	0.06	1.5	0.004	0.08	0.4	56	0.4	88.6
174	KW47+50N 08+25E	1	0.1	0.64	25.6	120.0	0.22	0.07	1.09	5.1	11.5	23.6	3.22	3.4	20	0.04	7.0	0.20	326	3.02	0.029	16.0	1231	12.50	0.04	4.36	1.1	0.8	21.0	0.08	1.2	0.007	0.10	0.6	50	0.2	114.5
175	KW47+50N 08+50E	2	0.1	0.81	28.7	110.0	0.18	0.09	0.65	7.3	14.0	29.6	3.90	2.9	25	0.04	7.0	0.33	372	3.30	0.028	20.3	1110	12.52	0.04	4.90	1.6	1.0	20.5	0.06	2.0	0.005	0.14	0.6	42	0.2	130.1
176	KW47+50N 00+25W	4	0.2	0.84	19.0	338.0	0.18	0.28	0.32	7.6	10.5	22.8	2.12	2.5	40	0.05	8.5	0.29	313	1.73	0.025	20.0	589	10.27	<0.02	2.04	1.2	0.6	20.5	0.04	1.3	0.003	0.08	0.5	26	0.5	86.8
177	KW47+50N 00+50W	3	0.1	0.99	22.6	255.0	0.18	0.22	0.49	8.5	11.5	18.9	2.26	2.6	30	0.04	8.5	0.31	365	1.86	0.026	19.0	620	11.02	0.02	2.22	0.9	0.6	17.0	0.06	1.2	0.002	0.08	0.4	28	0.5	91.7
178	KW47+50N 00+75W	2	0.1	0.94	12.3	325.0	0.14	0.09	0.12	7.8	11.5	13.4	2.11	2.5	15	0.04	7.0	0.29	350	2.00	0.025	14.0	327	9.59	0.02	2.26	0.7	0.4	14.5	0.04	0.9	0.001	0.08	0.3	32	0.5	58.1
179	KW47+50N 01+00W	2	0.1	0.99	31.4	271.0	0.24	0.09	0.44	6.3	11.5	18.3	3.23	3.8	15	0.06	7.5	0.22	259	3.33	0.024	15.2	629	15.62	0.04	3.10	0.6	0.7	13.0	0.04	0.6	0.003	0.08	0.3	54	0.6	76.3
180	KW47+50N 01+25W	4	0.5	0.86	19.8	475.0	0.16	0.68	0.36	7.9	12.0	31.8	2.31	2.4	120	0.04	7.5	0.25	370	2.17	0.030	22.0	817	11.28	0.04	2.78	1.3	0.9	48.5	0.06	1.0	0.004	0.08	0.6	36	0.5	84.7
181	KW47+50N 01+50W	6	0.5	0.88	29.2	399.0	0.18	0.82	0.65	7.6	14.0	43.7	2.70	2.5	155	0.06	9.5	0.29	254	2.57	0.033	29.4	1082	12.34	0.04	3.76	1.5	1.4	53.5	0.06	1.0	0.005	0.12	0.9	42	0.4	135.9
182	KW47+50N 01+75W N/S																																				
183	KW47+50N 02+00W N/S																																				
184	KW47+50N 02+25W	3	0.3	1.21	27.2	144.5	0.14	0.70	0.32	7.7	14.0	20.2	2.56	3.1	60	0.05	9.0	0.53	437	1.03	0.033	28.9	874	9.17	0.08	1.88	1.1	1.2	49.5	0.04	1.2	0.003	0.08	0.9	32	0.2	123.8
185	KW47+50N 02+50W N/S																																				
186	KW47+50N 02+75W	5	0.6	1.54	27.7	162.0	0.20	1.20	1.45	33.7	10.5	48.1	2.26	2.8	95	0.06	11.0	0.31	1308	1.19	0.038	73.1	656	10.64	0.12	2.14	1.2	2.8	96.5	0.06	0.9	0.003	0.18	1.8	20	0.2	230.9
187	KW47+50N 03+00W	2	0.2	0.98	29.0	129.0	0.18	0.33	0.09	6.5	14.0	19.8	2.50	2.8	30	0.03	10.5	0.41	166	2.24	0.025	18.9	613	12.19	0.04	3.80	1.2	1.2	29.0	0.04	1.4	0.003	0.06	1.1	32	0.3	66.6
188	KW47+50N 03+25W	2	0.3	1.04	170.4	118.5	0.24	0.24	0.20	4.3	15.0	15.4	3.07	3.5	15	0.06	8.0	0.44	158	2.15	0.026	14.5	442	12.66	0.06	4.40	0.6	1.0	14.5	0.06	1.1	0.002	0.10	0.3	30	0.2	72.4
189	KW47+50N 03+50W	1	0.6	0.74	173.6	96.0	0.30	0.06	0.98	2.0	10.5	26.5	4.41	4.4	10	0.05	10.5	0.13	63	3.13	0.025	6.9	899	17.60	0.06	7.64	0.5	1.1	9.5	0.08	1.3	0.003	0.10	0.2	54	0.2	62.1
190	KW47+50N 03+75W	2	0.3	0.88	169.9	91.0	0.26	0.19	0.12	3.0	13.0	23.5	3.55	3.4	15	0.04	8.5	0.36	114	2.95	0.024	12.6	667	21.47	0.06	5.48	0.8	1.6	18.5	0.06	1.8	0.003	0.10	0.3	38	0.2	71.0
191	KW47+50N 04+00W	2	0.4	1.16	50.6	201.0	0.18	0.54	0.26	7.9	12.5	26.4	2.29	3.1	60	0.05	9.5	0.32	285	1.29	0.027	19.9	715	13.86	0.06	1.72	1.0	1.0	30.0	0.04	1.0	0.003	0.06	1.8	30	0.2	66.8
192	KW47+50N 04+25W	1	0.1	1.35	133.2	76.0	5.34	0.10	0.09	7.3	17.5	9.5	3.11	4.7	10	0.07	31.0	0.81	423	2.29	0.027	9.1	316	33.49	0.06	1.72	0.6	1.0	43.5	0.04	3.2	0.001	0.12	0.3	24	0.1	81.5
193	KW47+50N 04+50W	4	0.3	1.06	21.6	155.5	0.22	0.92	0.27	8.4	12.5	30.7	2.49	2.9	75	0.04	14.0	0.31	372	1.66	0.032	24.1	375	13.87	0.06	2.34	1.7	1.2	41.5	0.06	1.5	0.003	0.08	1.5	28	0.2	78.5
194	KW47+50N 04+75W N/S																																				
195	KW47+50N 05+00W N/S																																				
196	KW47+50N 05+25W	4	0.4	1.19	18.5	164.0	0.24	0.89	0.41	9.1	17.0	33.5	2.99	3.4	100	0.06	12.5	0.45	249	1.87	0.029	27.6	597	15.77	0.06	2.34	2.7	1.4	44.5	0.08	2.4	0.003	0.08	0.8	38	0.3	93.0
QC DATA:																																					
Repeat:																																					
1	KW43+50N 03+75E	3	0.3	0.69	22.1	120.5	0.18	0.05	0.39	3.7	10.0	13.1	2.04	4.3	20	0.05	13.0	0.16	173	2.10	0.028	8.6	453	12.83	<0.02	2.38	0.5	0.4	11.5	0.04	0.4	0.002	0.12	0.4	40	0.3	58.0
10	KW43+50N 05+40E	2	0.2	0.63	12.6	253.0	0.14	0.33	0.09	9.4	7.0	15.1	2.56	2.4	60	0.04	15.5	0.12	237	2.16	0.040	17.6	480	14.47	0.02	3.22	1.8	0.9	36.5	0.04	2.0	0.001	0.08	0.8	24	0.1	68.3
19	KW44+00N 01+25E	4	0.4	0.86	9.6	272.5	0.18	0.70	0.58	7.3	11.5	30.2	1.85	2.9	95	0.07	11.0	0.29	427	1.42	0.043	22.2	637	12.38	0.04	1.72	1.7	0.9	50.0	0.06	1.4	0.002	0.12	0.9	30	0.2	96.8
28	KW44+00N 01+25W	2	0.2	0.94	10.1	217.5	0.18	0.91	0.27	8.0	12.5	18.0	2.17	3.2	65	0.07	15.0	0.33	348	2.28	0.036	19.1	282	14.13	0.04	2.10	2.0	1.1	52.0	0.06	2.7	0.001	0.08	1.5	34	0.1	80.3
36	KW44+50N 08+50E	3	0.2	0.89	11.0	379.0	0.16	0.37	0.47	7.4	14.0	25.9	2.14	3.3	80	0.06	15.0	0.31	238	1.82	0.032	20.8	722	11.92	0.02	1.62	2.2	1.1	32.5	0.06	2.5	0.004	0.08	1.4	38	0.2	104.1
45	KW44+00N 10+75E	2	0.3	0.91	11.5	342.0	0.16	0.36	0.21	5.9	11.5	21.5	1.97	3.0	80	0.06	10.5	0.24	240	2.03	0.038	16.3	689	11.28	0.04	1.18	1.6	1.1	27.0	0.04	1.6	0.001	0.08	1.1	38	0.1	67.6
54	KW44+00N 13+00E	3	0.3	0.83	8.0	175.0	0.18	0.54	0.97	9.6	13.0	28.2	2.08	2.9	60	0.07	13.5	0.35	516	1.42	0.033	23.1	669	13.86	0.04	1.58	2.1	1.0	46.5	0.04	3.3	0.005	0.10	0.6	32	0.2	112.7
63	KW45+00N 04+25E	2	0.1	0.74	12.5	171.0	0.16	0.10	0.28	5.3	10.5	20.5	2.23	3.0	25	0.04	12.5	0.21	222	1.73	0.027	15.9	429	12.20	<0.02	1.82	1.0	0.8	14.5	0.04	1.4	0.002	0.06	0.5	30	0.2	68.4
71	KW46+50N 01+00E	5	0.3	0.81	9.5	497.5	0.20	0.87	0.37	7.1	11.5	35.2	1.91	2.7	95	0.07	11.5	0.26	397	1.58	0.032	18.6	477	16.09	0.04	1.82	2.5	1.1	51.0	0.06	2.4	0.001	0.10	1.7	32	0.2	79.3
80	KW46+50N 04+00E	2	0.1	0.80	19.8	113.0	0.32	0.08	0.31	5.6	13.5	23.2	2.87	4.4	15	0.05	9.5	0.25	197	2.68	0.031	15.2	1139	25.50	<0.02	2.16	1.4	0.7	16.5	0.06	1.5	0.011	0.14	0.5	54	0.4	105.3
89	KW46+50N 01+25W	4	0.2	0.74	14.0	232.5	0.16	0.29	0.22	5.3	13.5	22.3	2.19	3.4	70	0.05	17.5	0.26	108	2.84	0.030	15.5	775	12.70	<0.02	2.54	1.8	1.0	36.0	0.06	3.9	0.004	0.08	1.0	46	0.3	77.8
98	KW46+50N 03+50W	3	0.2	0.83	19.3	196.5	0.20	0.13	0.30	8.7	12.5	18.2	2.21	3.5	35	0.05	14.5	0.25	474	1.97	0.025	17.5	609	15.74	<0.02	1.84	1.7	0.8	17.0	0.06	3.0	0.002	0.12	0.6	38	0.2	80.2

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
107	KW47+00N 02+00E	2	0.1	0.94	10.4	122.5	0.16	0.10	0.28	5.3	14.0	14.5	1.86	4.6	20	0.07	13.0	0.47	185	1.91	0.025	12.2	879	13.98	<0.02	1.54	1.2	0.5	19.5	0.06	1.7	0.011	0.10	0.5	44	0.1	87.2
115	KW47+00N 04+00E	3	0.3	1.03	11.5	420.0	0.22	0.59	0.44	9.2	14.5	27.4	2.43	3.6	75	0.06	13.0	0.30	552	2.40	0.029	18.3	707	15.60	0.04	1.70	1.7	1.3	40.5	0.08	1.6	0.001	0.10	1.5	40	0.2	97.5
124	KW47+00N 06+25E	3	0.7	0.51	6.4	408.5	0.12	0.57	1.18	4.2	6.5	26.1	0.92	2.6	60	0.04	8.5	0.07	416	1.22	0.029	8.3	445	8.45	0.04	1.36	0.6	0.5	32.5	0.02	0.4	0.005	0.06	1.4	24	0.1	47.5
133	KW47+00N 08+50E	1	0.2	0.71	25.8	134.5	0.24	0.04	0.27	4.4	10.0	20.9	2.71	4.4	20	0.04	11.0	0.12	349	2.70	0.027	11.3	1173	16.49	<0.02	3.56	0.9	0.7	14.5	0.06	0.8	0.003	0.12	0.5	60	0.2	83.7
141	KW47+00N 03+25W	11	0.8	1.00	228.4	68.0	0.18	0.14	0.35	16.7	7.5	16.7	3.53	2.9	30	0.05	8.0	0.28	1215	1.33	0.034	7.4	660	30.60	0.04	3.92	0.7	0.8	8.5	<0.02	1.0	0.003	0.10	0.7	20	0.2	80.8
150	KW47+50N 02+25E	1	<0.1	0.56	20.8	72.5	0.22	0.04	0.24	4.8	8.5	15.3	2.39	2.8	10	0.03	7.0	0.13	204	2.34	0.029	12.8	535	9.10	<0.02	2.54	0.5	0.5	8.0	0.04	0.8	0.004	0.06	0.3	36	0.3	77.7
159	KW47+50N 04+50E	3	0.4	0.84	9.2	474.0	0.18	0.65	0.81	8.1	12.0	34.5	1.91	2.5	105	0.04	8.0	0.27	440	1.58	0.033	24.0	732	10.36	0.06	1.32	1.3	0.9	43.5	0.06	1.2	0.004	0.08	1.1	30	0.2	86.2
168	KW47+50N 06+75E	1	0.1	0.49	20.3	107.5	0.24	0.02	0.43	3.8	8.0	26.7	2.23	3.5	15	0.03	10.0	0.09	172	3.25	0.027	13.6	794	10.69	0.02	3.96	0.7	0.7	12.5	0.06	0.8	0.006	0.10	0.4	52	0.2	101.7
176	KW47+50N 00+25W	3	0.2	0.88	19.9	344.0	0.18	0.30	0.31	7.7	11.0	23.7	2.19	2.6	40	0.05	8.5	0.30	324	1.75	0.028	20.8	620	10.76	0.02	2.06	1.1	0.7	21.0	0.04	1.3	0.003	0.06	0.5	28	0.3	88.9
186	KW47+50N 02+75W	5	0.7	1.52	28.0	163.5	0.20	1.19	1.40	33.4	10.5	48.6	2.31	2.8	90	0.06	11.0	0.31	1276	1.25	0.035	72.1	656	10.50	0.12	2.20	1.0	2.8	97.5	0.04	0.9	0.004	0.18	1.9	20	0.1	232.1
Standard:																																					
OXE74		599	<0.1	1.71	1.3	64.0	<0.02	0.85	0.03	19.8	55.0	28.7	3.04	6.1	15	0.40	12.0	1.51	474	1.83	0.742	74.5	1038	8.99	0.04	0.06	1.2	0.2	177.5	0.04	1.8	0.394	0.04	0.6	52	0.2	41.9
OXE74		608	0.1	1.70	1.1	64.0	0.02	0.83	0.04	20.1	57.0	31.3	3.14	6.2	15	0.42	12.5	1.48	490	1.89	0.757	78.1	1040	7.89	0.04	0.04	1.1	0.2	183.0	0.04	1.7	0.410	0.02	0.6	54	0.2	44.2
OXE74		627	0.1	1.66	1.2	70.5	0.02	0.83	0.04	20.9	59.5	30.6	3.21	6.7	<5	0.45	13.5	1.50	462	1.89	0.765	79.0	1101	9.98	0.04	0.04	1.2	0.2	188.0	0.08	2.0	0.404	0.04	0.6	52	0.2	46.3
OXE74		596	<0.1	1.55	1.2	67.5	0.04	0.78	0.03	19.4	54.0	27.5	3.13	6.0	<5	0.40	12.0	1.45	450	1.89	0.700	71.5	1069	7.02	0.04	0.06	1.1	0.2	180.5	0.06	1.6	0.392	0.04	0.5	50	0.2	41.3
OXE74		626	<0.1	1.59	1.4	66.0	0.04	0.70	0.03	19.2	52.0	26.0	3.16	5.8	<5	0.41	12.5	1.48	463	1.93	0.737	73.3	1030	8.40	0.04	0.06	0.9	0.2	179.0	0.06	1.7	0.392	0.04	0.6	50	0.2	46.6
OXE74		631	<0.1	1.62	1.4	70.5	0.04	0.83	0.04	22.1	59.5	30.2	3.25	6.1	5	0.42	13.0	1.49	475	1.86	0.719	82.6	1025	7.69	0.04	0.06	0.9	0.3	182.5	0.04	1.8	0.390	0.04	0.6	50	0.2	45.5

Aqua Regia Digest/ICPMS Finish

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

NM/sa
df/msr8079AuAS/msr8079AuBS/msr8079AuCS/msr8079AuDS
XLS/10

30-Aug-10

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2010- 8075

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1C 2R7

No. of samples received: 298
Sample Type: Soil
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	KW39+00N 00+00 N/S																																			
2	KW39+00N 00+25E N/S																																			
3	KW39+00N 00+50E	4	0.2	0.81	15.5	226.0	0.20	0.30	0.32	6.5	13.0	32.9	2.47	3.0	55	0.05	21.0	0.36	229	1.69	0.035	22.6	850	13.34	<0.02	2.40	2.6	1.1	26.5	0.04	4.7	0.006	0.08	0.8	30	0.4	96.1
4	KW39+00N 00+75E	3	0.1	1.06	15.9	217.0	0.20	0.14	0.22	9.4	14.0	27.0	2.70	3.6	25	0.05	18.5	0.33	344	1.78	0.035	22.2	549	14.72	<0.02	2.32	1.8	0.8	16.5	0.06	3.2	0.003	0.12	0.5	38	0.3	87.1
5	KW39+00N 01+00E	3	0.1	1.11	15.1	198.5	0.20	0.07	0.23	7.8	14.5	19.7	2.82	3.8	20	0.05	16.5	0.28	232	1.91	0.031	18.1	355	15.16	<0.02	2.16	1.7	0.8	11.5	0.04	3.7	0.003	0.12	0.5	40	0.3	75.4
6	KW39+00N 01+25E	2	0.1	1.01	14.7	130.0	0.18	0.04	0.20	5.8	13.0	11.2	2.93	4.4	10	0.06	19.0	0.26	253	1.82	0.034	12.0	421	15.39	<0.02	1.64	1.2	0.6	8.0	0.04	2.9	0.004	0.08	0.4	44	0.4	53.9
7	KW39+00N 01+50E	2	0.1	0.81	8.8	190.0	0.14	0.07	0.27	5.3	10.5	10.2	1.75	3.3	15	0.04	17.0	0.21	228	1.28	0.033	10.4	305	12.07	<0.02	1.04	1.0	0.4	9.5	0.04	2.5	0.003	0.08	0.3	30	0.3	41.9
8	KW39+00N 01+75E	3	0.1	0.82	12.6	214.0	0.16	0.12	0.15	8.5	11.5	25.1	2.09	2.9	35	0.04	19.0	0.27	358	1.39	0.030	18.9	473	13.06	<0.02	1.78	1.8	0.9	14.0	0.02	2.8	0.004	0.08	0.7	28	0.3	63.1
9	KW39+00N 02+00E	2	0.2	0.81	5.7	233.5	0.14	0.26	0.13	5.7	9.5	12.4	1.29	3.1	20	0.04	11.0	0.15	304	0.99	0.040	8.0	295	10.94	<0.02	0.74	1.0	0.4	16.5	0.02	1.2	0.004	0.10	0.5	34	0.4	40.5
10	KW39+00N 02+25E	2	0.1	1.15	14.1	150.0	0.22	0.04	0.17	7.0	15.5	17.3	3.07	4.3	15	0.05	18.5	0.31	221	1.84	0.032	17.3	260	15.20	<0.02	1.98	1.6	0.6	9.0	0.04	3.5	0.003	0.10	0.4	44	0.3	70.6
11	KW39+00N 02+50E	2	0.1	0.83	16.6	131.0	0.24	0.08	0.18	6.3	12.0	15.8	2.77	4.5	20	0.05	15.5	0.18	225	2.00	0.032	10.9	465	14.95	<0.02	1.56	1.2	0.6	10.5	0.06	2.2	0.007	0.10	0.4	44	0.3	54.2
12	KW39+00N 02+75E	3	0.1	0.73	13.0	201.5	0.18	0.16	0.18	7.8	11.5	24.6	2.18	3.0	40	0.04	21.0	0.30	303	1.51	0.032	18.9	565	13.99	<0.02	1.98	2.0	0.9	17.0	0.04	4.1	0.006	0.06	0.6	30	0.3	70.1
13	KW39+00N 03+00E	2	0.1	0.95	9.5	139.5	0.18	0.06	0.18	4.9	11.5	12.7	2.19	3.6	20	0.05	14.0	0.18	164	1.32	0.030	12.4	316	10.44	<0.02	1.00	1.1	0.5	9.0	0.04	2.9	0.004	0.10	0.4	34	0.3	55.5
14	KW39+00N 03+25E	2	0.2	0.87	11.5	172.5	0.18	0.07	0.23	4.6	11.0	17.5	2.04	3.8	30	0.06	17.0	0.20	164	1.61	0.035	12.7	307	12.56	<0.02	1.54	1.3	0.6	10.0	0.02	2.0	0.005	0.10	0.5	38	0.3	51.5
15	KW39+00N 03+50E	2	0.2	0.97	13.1	191.5	0.18	0.12	0.27	9.1	14.5	22.8	2.41	3.8	25	0.06	20.0	0.32	334	1.67	0.036	18.4	594	24.06	<0.02	1.92	1.8	0.8	16.0	0.04	3.6	0.006	0.08	0.6	38	0.3	78.0
16	KW39+00N 03+75E	3	0.3	1.11	12.3	430.0	0.24	0.19	0.23	11.1	17.5	30.8	2.48	3.9	70	0.07	20.5	0.34	454	2.17	0.036	26.6	724	13.26	<0.02	1.94	2.6	1.0	24.0	0.06	3.4	0.006	0.10	1.0	44	0.3	105.3
17	KW39+00N 04+00E	2	0.2	0.81	10.9	289.0	0.18	0.20	0.17	6.7	14.0	30.8	2.16	3.2	55	0.05	23.5	0.33	177	1.51	0.030	23.7	637	11.87	<0.02	1.66	2.7	1.2	22.5	0.04	4.4	0.006	0.06	0.9	28	0.2	75.4
18	KW39+00N 04+25E	2	0.1	0.75	12.9	123.5	0.18	0.06	0.17	6.2	11.0	11.9	2.11	3.3	15	0.04	13.0	0.20	245	1.15	0.032	10.6	359	14.53	<0.02	1.04	1.1	0.4	8.0	0.04	3.0	0.003	0.10	0.4	28	0.3	48.8
19	KW39+00N 04+50E	2	0.3	0.95	7.3	257.5	0.14	0.13	0.46	8.0	10.5	32.2	1.52	2.8	50	0.06	7.5	0.14	289	1.27	0.044	13.7	552	11.76	<0.02	0.74	1.0	0.6	22.5	0.04	0.6	0.003	0.10	1.2	26	0.2	38.9
20	KW39+00N 04+75E	2	0.2	1.35	12.9	240.0	0.20	0.06	0.30	7.4	18.5	14.8	3.06	4.5	20	0.06	16.5	0.34	235	1.70	0.032	17.4	465	15.44	<0.02	1.56	1.7	0.6	12.0	0.02	3.2	0.006	0.10	0.4	42	0.3	71.5
21	KW39+00N 05+00E	3	0.2	1.48	16.6	188.0	0.22	0.08	0.42	9.7	17.0	22.3	3.34	4.0	30	0.06	16.0	0.28	235	1.84	0.032	25.2	624	16.52	<0.02	2.46	1.9	0.8	13.5	0.04	3.7	0.004	0.12	0.5	42	0.3	91.7
22	KW39+00N 05+25E	2	0.2	1.14	13.2	324.0	0.20	0.24	0.68	10.2	15.0	41.6	2.57	3.9	35	0.08	16.5	0.28	496	1.60	0.033	22.5	662	16.40	<0.02	1.86	1.8	0.8	22.0	0.04	1.7	0.003	0.10	0.8	38	0.3	87.6
23	KW39+00N 05+50E	4	0.2	0.79	11.4	266.5	0.16	0.33	0.33	8.7	11.0	27.2	1.99	2.7	50	0.04	15.0	0.27	418	1.40	0.036	20.1	682	11.80	<0.02	1.82	1.8	0.8	26.0	0.04	2.5	0.006	0.08	0.7	26	0.2	74.4
24	KW39+00N 05+75E N/S																																			
25	KW39+00N 06+00E N/S																																			
26	KW39+00N 06+25E N/S																																			
27	KW39+00N 06+50E	5	1.0	1.04	7.1	640.0	0.16	0.80	0.90	6.1	13.0	57.9	1.63	2.9	165	0.05	13.5	0.31	308	0.95	0.041	28.8	643	15.47	0.08	1.36	3.3	1.7	51.5	0.04	1.4	0.003	0.12	1.7	28	0.1	66.4
28	KW39+00N 06+75E	1	0.1	1.13	20.9	142.5	0.24	0.07	0.41	7.4	18.0	17.2	3.89	5.0	10	0.06	23.5	0.31	261	2.84	0.030	20.8	613	17.82	<0.02	5.58	1.7	0.7	12.5	0.08	2.3	0.002	0.12	0.4	58	0.2	132.5
29	KW39+00N 07+00E	1	0.1	0.87	23.2	114.0	0.24	0.02	0.33	4.9	12.5	14.6	3.31	4.8	10	0.05	18.0	0.15	243	2.33	0.032	12.2	1209	15.65	<0.02	3.54	0.7	0.6	7.0	0.06	0.5	0.004	0.12	0.3	60	0.2	89.2
30	KW39+00N 07+25E N/S																																			

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
31	KW39+00N 07+50E N/S																																			
32	KW39+00N 07+75E N/S																																			
33	KW39+00N 08+00E N/S																																			
34	KW39+00N 08+25E	1	0.1	0.75	8.4	126.0	0.18	0.32	0.29	4.9	12.0	10.8	1.50	4.0	25	0.07	10.5	0.34	174	1.28	0.038	9.6	241	10.22	<0.02	0.96	1.1	0.3	25.5	0.04	1.1	0.026	0.08	0.3	36	0.3	72.3
35	KW39+00N 08+50E	1	0.2	1.00	21.2	133.0	0.28	0.11	0.43	9.0	18.0	24.2	3.21	4.5	15	0.05	9.5	0.35	264	2.79	0.032	19.7	334	20.07	<0.02	2.50	1.7	0.6	14.5	0.06	1.8	0.011	0.14	0.4	56	0.4	127.2
36	KW39+00N 08+75E N/S																																			
37	KW39+00N 09+00E N/S																																			
38	KW39+00N 09+25E N/S																																			
39	KW39+00N 09+50E N/S																																			
40	KW39+00N 09+75E N/S																																			
41	KW39+00N 10+00E N/S																																			
42	KW39+00N 10+25E N/S																																			
43	KW39+00N 10+50E	3	0.2	0.78	12.2	253.0	0.16	0.19	0.31	6.7	12.5	29.5	2.13	2.8	55	0.04	20.0	0.30	258	1.42	0.034	20.9	615	11.87	<0.02	1.86	2.4	0.9	18.5	0.04	3.8	0.005	0.06	0.8	30	0.2	79.9
44	KW39+00N 10+75E	3	0.2	1.09	16.0	177.0	0.18	0.11	0.33	8.0	13.5	27.8	2.51	3.0	40	0.05	12.0	0.28	284	1.66	0.030	21.3	563	16.04	<0.02	2.10	1.7	0.8	15.5	0.06	2.7	0.004	0.12	0.5	36	0.2	81.9
45	KW39+00N 11+00E	2	0.2	1.01	8.6	235.0	0.14	0.09	0.30	4.1	10.0	13.8	1.58	3.5	25	0.04	12.5	0.14	129	1.15	0.038	8.7	349	10.13	<0.02	1.12	0.9	0.4	13.0	0.04	1.1	0.005	0.08	0.4	32	0.2	36.3
46	KW39+00N 11+25E N/S																																			
47	KW39+00N 11+50E	2	0.4	1.03	26.2	270.0	0.18	0.20	0.41	5.1	11.5	17.5	2.82	3.8	30	0.06	17.5	0.18	181	2.79	0.042	14.1	336	9.1	0.02	4.46	1.5	1.0	15.5	0.04	1.6	0.004	0.12	0.5	40	0.3	85.6
48	KW39+00N 11+75E	1	0.1	0.99	11.9	189.0	0.20	0.05	0.29	4.0	13.0	8.2	2.15	4.7	15	0.06	23.5	0.23	139	1.47	0.037	10.6	260	9.5	<0.02	1.52	0.9	0.6	7.5	<0.02	0.6	0.008	0.10	0.3	38	0.4	57.8
49	KW39+00N 12+00E	1	0.2	1.28	8.1	113.5	0.12	0.02	0.15	6.3	14.0	19.8	2.89	5.3	15	0.06	25.0	0.19	96	1.49	0.039	16.1	341	8.6	<0.02	1.40	1.7	0.5	3.0	0.04	2.1	0.004	0.12	0.3	38	0.2	105.8
50	KW39+00N 00+25W N/S																																			
51	KW39+00N 00+50W	2	0.1	1.03	20.6	280.5	0.16	0.24	0.33	7.4	16.5	15.4	2.60	4.5	20	0.10	23.5	0.42	219	2.47	0.034	19.4	581	7.1	<0.02	3.04	2.3	0.9	23.5	0.04	3.6	0.005	0.10	0.5	46	0.2	110.0
52	KW39+00N 00+75W	2	0.3	1.00	15.3	166.5	0.16	0.11	0.60	11.7	15.0	11.4	2.62	4.0	20	0.11	21.5	0.36	374	2.42	0.035	21.7	511	7.3	<0.02	2.72	2.0	0.7	13.0	0.04	2.9	0.003	0.10	0.4	38	0.2	137.5
53	KW39+00N 01+00W	4	0.2	0.81	25.4	225.5	0.20	0.25	0.67	11.8	15.5	46.9	2.95	2.9	50	0.10	15.0	0.38	495	3.39	0.034	26.4	1091	16.29	0.02	5.14	2.4	1.4	38.0	0.06	3.0	0.002	0.16	1.1	50	0.2	149.0
54	KW39+00N 01+25W	3	0.4	0.95	24.1	221.0	0.16	0.31	0.66	9.2	16.5	39.0	3.05	3.1	65	0.07	11.0	0.45	391	2.77	0.037	23.4	980	14.01	0.02	3.90	1.8	1.2	40.0	0.06	1.9	0.003	0.16	0.8	52	0.2	115.0
55	KW40+00N 00+00	3	0.9	1.50	11.3	897.5	0.26	0.92	1.20	16.7	16.5	53.0	2.26	4.4	105	0.09	13.5	0.27	390	1.72	0.049	33.0	950	19.09	0.04	1.56	2.7	1.4	58.5	0.06	1.7	0.002	0.16	3.7	50	0.2	106.3
56	KW40+00N 00+25E	2	0.2	1.16	27.4	145.0	0.20	0.07	0.54	8.1	17.5	28.1	3.44	3.5	25	0.06	13.0	0.35	170	2.95	0.033	27.2	460	16.73	<0.02	3.50	2.1	1.1	14.5	0.06	3.1	0.003	0.14	0.5	48	0.2	124.6
57	KW40+00N 00+50E	1	0.1	0.45	9.1	128.5	0.14	0.05	0.21	1.9	4.0	9.3	0.83	3.3	10	0.03	19.0	0.03	47	1.34	0.035	4.8	266	6.85	<0.02	1.18	0.6	0.4	6.5	0.02	1.4	0.003	0.06	0.3	26	0.2	31.5
58	KW40+00N 00+75E	2	0.2	0.95	11.7	346.0	0.18	0.23	0.27	10.5	13.0	24.9	2.21	3.1	60	0.06	15.0	0.27	527	1.70	0.042	20.2	586	13.94	<0.02	1.74	1.9	0.8	22.5	<0.02	2.0	0.004	0.08	0.6	34	0.2	76.6
59	KW40+00N 01+00E	2	0.1	0.81	11.6	198.0	0.16	0.11	0.18	5.8	11.5	16.9	2.05	3.0	30	0.05	14.5	0.24	232	1.37	0.039	14.6	370	11.33	<0.02	1.46	1.2	0.6	12.5	0.04	1.5	0.005	0.08	0.4	32	0.2	57.3
60	KW40+00N 01+25E	3	0.2	1.21	12.1	262.0	0.16	0.12	0.22	7.4	16.0	22.1	2.51	3.3	45	0.06	15.0	0.35	228	1.37	0.037	21.3	437	13.08	<0.02	1.40	1.9	0.8	13.5	0.06	3.4	0.003	0.12	0.6	34	0.2	70.1
61	KW40+00N 01+50E	3	0.2	1.04	13.9	188.5	0.18	0.13	0.25	10.3	14.0	27.1	2.51	3.3	50	0.06	15.0	0.31	445	1.50	0.035	20.4	551	14.52	<0.02	1.66	1.9	0.8	15.5	0.04	3.0	0.005	0.10	0.6	34	0.2	72.7
62	KW40+00N 01+75E	2	0.2	1.26	11.3	255.0	0.18	0.18	0.27	8.1	16.0	24.9	2.29	3.8	50	0.06	13.5	0.30	315	1.33	0.042	17.9	560	14.52	<0.02	1.18	1.8	0.7	19.5	0.04	2.2	0.005	0.12	0.6	40	0.2	70.5
63	KW40+00N 02+00E	3	0.2	1.14	14.7	254.0	0.20	0.16	0.42	11.7	16.0	32.8	2.83	3.3	45	0.07	17.0	0.33	754	1.72	0.034	22.1	695	16.74	<0.02	1.88	2.2	0.9	21.0	0.04	3.7	0.005	0.10	0.8	40	0.2	99.6
64	KW40+00N 02+25E N/S																																			
65	KW40+00N 02+50E	2	0.2	0.92	9.2	350.0	0.16	0.27	0.22	7.9	15.5	28.3	2.11	3.3	75	0.06	19.0	0.38	261	1.43	0.034	21.8	725	11.78	<0.02	1.42	2.8	1.0	24.0	0.02	4.4	0.007	0.08	1.1	34	0.2	75.2
66	KW40+00N 02+75E	2	0.1	1.33	17.5	184.5	0.24	0.07	0.39	8.9	20.0	26.0	3.58	4.6	25	0.08	17.5	0.35	259	2.14	0.036	23.1	507	17.22	<0.02	2.18	2.0	1.1	15.0	0.06	4.1	0.003	0.12	0.5	54	0.2	96.6
67	KW40+00N 03+00E N/S																																			
68	KW40+00N 03+25E	2	0.2	1.00	11.5	278.5	0.20	0.20	0.27	10.8	15.0	24.7	2.43	3.5	55	0.06	17.0	0.30	650	1.92	0.036	19.3	723	15.02	<0.02	1.72	1.7	0.8	21.5	0.06	2.4	0.003	0.10	0.7	40	0.2	89.4
69	KW40+00N 03+50E	2	0.4	0.92	8.9	417.0	0.18	0.36	0.26	8.8	17.0	26.6	2.20	3.4	170	0.08	19.5	0.34	278	2.51	0.036	20.7	974	13.30	<0.02	1.72	2.4	1.1	43.5	0.06	4.6	0.006	0.08	1.5	52	0.2	104.7
70	KW40+00N 03+75E	2	0.4	0.88	8.5	355.5	0.20	0.29	0.49	7.7	16.0	26.0	2.05	3.2	145	0.08	19.0	0.30	283	2.09	0.040	18.0	914	15.45	<0.02	1.48	2.1	1.3	36.5	0.04	3.5	0.007	0.12	1.3	46	0.2	87.1
71	KW40+00N 04+00E	6	0.2	0.80	6.0	211.0	0.18	0.18	0.16	4.0	12.0	16.8	1.53	3.2	80	0.06	12.0	0.28	101	0.99	0.038	14.4	611	10.92	<0.02	0.94	1.6	1.1	20.0	0.02	2.0	0.006	0.10	0.7	28	0.2	54.9
72	KW40+00N 04+25E	3	0.3	1.05	9.2	321.5	0.26	0.17	0.16	7.2	16.5	24.2	2.31	4.2	90	0.06	19.0	0.36	159	1.78	0.031	20.6	694	12.04	<0.02	1.40	2.6	1.0	20.0	0.02	3.7	0.005	0.10	0.9	36	0.2	77.3
73	KW40+00N 04+50E	2	0.2	0.91	9.7	283.0	0.22	0.20	0.22	8.1	14.0	27.9	2.09	3.7	80	0.06	18.5	0.33	230	1.29	0.035	27.2	728	10.56	<0.02	1.60	2.5	1.1	22.5	0.02	3.7	0.005	0.10	1.0	32	0.2	79.3
74	KW40+00N 04+75E	3	0.1	0.86	11.6	185.0	0.24	0.19	0.26	8.8	13.5	23.8	2.27	3.5	60	0.06	18.0	0.33	383	1.60	0.033	21.8	761	11.43	<0.02	1.88	1.9	1.0	22.5	0.04	4.1	0.006	0.08	0.7	32	0.2	88.2
75	KW40+00N 05+00E	4	0.1	0.79	16.1	190.5	0.28	0.12	0.30	9.9	12.5	28.6	2.48	3.4	40	0.06	18.5	0.30	441	1.81	0.033	28.9	610	14.37	<0.02	2.70	1.8	1.0	17.5	0.04	3.9	0.004	0.08	0.5	32	0.2	96.1

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
76	KW40+00N 05+25E	4	0.2	0.87	14.4	257.0	0.28	0.24	0.33	9.5	13.0	31.8	2.50	3.5	65	0.06	17.5	0.34	379	1.74	0.033	24.1	692	15.25	<0.02	2.34	2.3	1.0	26.0	0.04	3.8	0.005	0.10	0.6	32	0.2	100.7
77	KW40+00N 05+50E	4	0.1	0.75	15.7	234.0	0.24	0.15	0.26	7.6	10.0	24.4	2.53	2.7	40	0.04	15.0	0.20	217	1.87	0.030	28.6	379	13.34	<0.02	2.54	1.7	0.9	17.0	0.04	2.5	0.001	0.08	0.6	28	0.1	100.2
78	KW40+00N 05+75E N/S																																				
79	KW40+00N 06+00E N/S																																				
80	KW40+00N 06+25E N/S																																				
81	KW40+00N 06+50E	4	0.2	0.87	10.6	248.0	0.18	0.26	0.50	7.5	13.5	26.0	2.23	3.3	95	0.05	18.5	0.34	250	1.42	0.035	22.6	784	11.58	<0.02	1.84	2.7	1.2	24.0	0.04	3.6	0.005	0.08	1.1	30	0.1	97.3
82	KW40+00N 06+75E	5	0.7	1.28	9.8	463.5	0.28	0.69	0.76	8.3	18.5	34.1	2.30	3.7	165	0.07	14.0	0.35	467	1.70	0.036	26.1	757	12.95	0.04	1.80	4.1	1.4	51.5	0.04	2.2	0.001	0.20	2.2	38	0.2	115.6
83	KW40+00N 07+00E	6	0.6	1.29	11.9	428.0	0.18	0.57	0.52	5.0	18.0	43.9	2.52	4.1	285	0.06	17.5	0.43	138	0.88	0.035	28.0	687	11.95	0.04	1.62	5.5	2.2	42.5	0.04	2.6	0.002	0.16	2.4	40	0.1	111.7
84	KW40+00N 07+25E	2	0.1	0.71	9.0	491.5	0.18	0.24	0.50	3.3	7.5	13.4	1.58	4.5	25	0.04	23.5	0.08	82	1.97	0.033	9.3	182	9.30	<0.02	1.94	1.3	0.8	18.0	0.04	2.0	0.003	0.08	0.5	46	0.2	43.6
85	KW40+00N 07+50E	3	2.6	4.06	32.6	442.5	0.24	0.25	1.18	24.8	46.5	27.5	6.49	5.9	90	0.06	15.0	0.19	1146	3.19	0.033	29.6	1427	11.3	0.04	4.84	4.3	1.7	26.0	0.06	5.2	0.001	0.22	1.9	72	0.2	167.6
86	KW40+00N 07+75E	1	0.1	1.25	10.7	304.0	0.14	0.55	0.21	8.6	29.5	19.3	2.73	4.5	25	0.06	20.5	0.46	262	1.60	0.037	32.5	483	6.0	0.04	2.54	2.0	0.8	36.5	0.04	2.0	0.005	0.10	0.7	44	0.2	103.7
87	KW40+00N 08+00E	2	0.1	1.17	12.8	228.5	0.18	0.42	0.47	7.6	24.5	19.9	2.75	4.4	25	0.07	23.5	0.44	197	1.79	0.033	31.8	546	8.3	0.04	3.90	2.0	0.8	30.5	0.06	2.7	0.004	0.12	0.7	38	0.2	135.8
88	KW40+00N 08+25E N/S																																				
89	KW40+00N 08+50E	3	0.1	1.01	12.8	159.0	0.22	0.03	0.50	7.4	14.5	15.7	2.90	4.6	30	0.06	18.5	0.26	242	2.13	0.030	25.9	287	12.49	<0.02	3.50	1.5	0.6	7.5	0.04	2.8	0.004	0.10	0.3	42	0.2	123.2
90	KW40+00N 08+75E	1	0.2	1.17	15.0	226.5	0.20	0.05	0.42	9.7	15.5	12.3	2.86	4.7	25	0.06	19.0	0.25	398	2.57	0.031	19.6	389	12.44	<0.02	4.08	1.6	0.6	9.5	0.04	2.7	0.002	0.10	0.3	44	0.1	154.5
91	KW40+00N 09+00E	2	0.2	0.91	11.2	413.5	0.20	0.07	0.65	4.7	12.0	10.6	2.48	4.7	20	0.07	23.0	0.14	140	2.27	0.031	18.0	204	12.27	<0.02	3.50	1.4	0.6	11.0	0.04	2.7	0.003	0.08	0.3	48	0.2	79.5
92	KW40+00N 09+25E	3	0.3	1.24	15.2	671.0	0.24	0.32	0.42	8.7	19.5	39.6	2.93	4.8	100	0.07	21.5	0.39	368	2.12	0.036	31.4	703	14.16	<0.02	2.00	3.4	1.4	32.0	0.02	3.3	0.005	0.10	1.4	44	0.2	111.9
93	KW40+00N 09+50E	3	0.2	0.96	14.8	330.5	0.24	0.22	0.37	9.5	15.5	36.8	2.74	3.8	95	0.06	21.0	0.38	425	2.00	0.032	32.3	751	14.39	<0.02	2.22	2.7	1.2	27.0	0.06	4.7	0.006	0.10	0.8	36	0.1	109.7
94	KW40+00N 09+75E	2	0.1	0.95	15.7	196.0	0.24	0.06	0.33	15.9	13.0	15.8	2.81	4.2	30	0.06	9.5	0.24	879	2.70	0.028	14.1	629	17.96	<0.02	1.98	1.5	0.6	12.5	0.04	2.1	0.004	0.10	0.4	48	0.2	83.5
95	KW40+00N 10+00E	3	0.2	1.18	10.0	153.0	0.16	0.04	0.23	5.5	14.0	11.1	2.38	4.3	35	0.04	15.5	0.23	183	1.33	0.028	20.3	320	11.37	<0.02	1.04	1.2	0.5	6.5	0.04	3.3	0.003	0.10	0.4	34	0.2	56.0
96	KW40+00N 10+25E	3	0.3	1.15	14.9	225.0	0.18	0.06	0.41	6.6	14.0	23.8	2.86	3.6	60	0.05	12.5	0.25	202	1.88	0.027	20.3	625	14.49	<0.02	1.94	1.7	0.8	12.5	0.04	3.0	0.002	0.14	0.6	38	0.2	158.6
97	KW40+00N 10+50E	3	0.1	1.07	13.6	170.5	0.16	0.11	0.34	9.1	14.0	26.7	2.47	3.2	50	0.06	12.5	0.28	309	1.70	0.029	28.3	709	12.80	<0.02	1.86	1.8	1.0	18.0	0.04	3.0	0.002	0.12	0.6	34	0.1	92.8
98	KW40+00N 10+75E	3	0.2	1.22	16.1	179.0	0.20	0.09	0.35	7.0	16.5	26.8	3.29	3.8	35	0.06	12.0	0.33	252	2.12	0.038	23.1	649	16.30	<0.02	2.14	1.7	0.7	14.5	0.04	2.4	0.004	0.14	0.6	44	0.2	94.1
99	KW40+00N 11+00E	3	0.2	1.26	14.6	356.5	0.22	0.14	0.44	13.2	18.0	29.2	3.05	3.9	45	0.06	17.5	0.42	654	1.76	0.036	35.2	569	16.32	<0.02	1.78	2.4	0.9	16.0	0.04	4.4	0.004	0.12	0.7	38	0.2	94.6
100	KW40+00N 11+25E	2	0.2	0.84	7.1	327.5	0.12	0.08	0.51	3.7	8.5	23.1	1.44	2.7	40	0.06	10.0	0.17	105	1.05	0.048	14.0	363	7.48	<0.02	1.00	0.9	0.4	11.0	0.04	0.6	0.004	0.08	0.4	28	0.2	52.3
101	KW40+00N 11+50E	3	0.3	1.14	16.2	405.0	0.22	0.27	0.78	12.2	17.5	45.4	3.00	3.9	105	0.10	23.5	0.42	550	2.81	0.039	30.5	764	16.06	<0.02	2.98	3.3	1.1	29.5	0.06	4.1	0.005	0.12	0.9	50	0.3	130.7
102	KW40+00N 11+75E	4	0.2	1.11	16.5	380.0	0.26	0.26	0.31	10.5	18.5	44.6	3.01	3.8	105	0.08	23.5	0.47	425	2.24	0.039	30.2	600	16.53	<0.02	2.28	3.0	1.0	25.5	0.04	5.2	0.006	0.10	0.8	42	0.2	112.5
103	KW40+00N 12+00E	4	0.3	1.11	13.9	369.0	0.22	0.36	0.43	12.7	17.5	45.6	2.88	3.7	105	0.08	19.5	0.49	617	2.15	0.040	37.5	629	17.03	<0.02	2.36	3.1	1.0	30.0	0.06	4.4	0.005	0.10	0.9	42	0.2	112.0
104	KW40+00N 00+25W	3	0.4	0.91	11.6	414.5	0.18	0.62	0.67	7.8	13.5	28.1	2.20	3.0	90	0.06	14.5	0.27	392	1.50	0.045	23.5	513	12.13	0.02	1.62	2.8	1.1	35.0	0.04	2.1	0.006	0.08	1.2	34	0.2	83.3
105	KW40+00N 00+50W N/S																																				
106	KW40+00N 00+75W N/S																																				
107	KW40+00N 01+00W	3	0.2	1.03	17.1	149.5	0.14	0.12	0.20	11.8	16.0	28.8	2.65	3.5	40	0.05	18.5	0.41	255	2.29	0.038	26.2	430	14.35	<0.02	2.80	1.8	0.8	18.5	0.04	3.4	0.003	0.12	0.6	42	0.2	108.9
108	KW40+00N 01+25W	4	0.4	1.01	14.4	360.5	0.14	0.92	0.54	7.0	15.5	39.1	2.40	3.6	75	0.06	20.0	0.45	192	2.02	0.040	28.4	701	12.35	0.04	2.42	2.6	1.1	56.5	0.08	1.9	0.004	0.12	1.1	44	0.2	93.9
109	KW40+00N 01+50W	2	0.4	0.94	19.7	208.5	0.20	0.13	0.66	14.0	15.5	19.3	2.71	3.7	30	0.07	15.0	0.34	522	2.90	0.039	17.5	480	15.19	<0.02	3.36	1.6	0.8	21.0	0.06	2.6	0.005	0.12	0.6	52	0.2	104.0
110	KW40+00N 01+75W	6	0.5	1.12	17.0	366.5	0.18	0.36	0.62	11.2	16.5	52.2	2.72	3.4	155	0.09	20.5	0.41	340	2.50	0.039	39.1	469	14.22	<0.02	3.42	4.3	1.3	37.0	0.06	3.5	0.002	0.16	1.1	46	0.3	114.9
111	KW40+00N 02+00W N/S																																				
112	KW41+00N 00+00	1	0.2	0.84	11.2	130.5	0.14	0.04	0.28	5.3	11.5	12.6	2.22	3.1	20	0.04	15.0	0.22	153	1.49	0.032	11.8	423	11.07	<0.02	1.46	1.0	0.4	8.0	0.04	2.2	0.004	0.08	0.4	34	0.2	54.7
113	KW41+00N 00+25E	1	0.2	1.21	11.8	119.5	0.16	0.05	0.24	6.5	13.5	21.2	2.83	3.1	25	0.05	11.5	0.20	160	1.35	0.038	27.0	440	14.69	<0.02	1.68	1.3	0.6	9.5	0.04	3.2	0.002	0.08	0.4	30	0.2	67.7
114	KW41+00N 00+50E	2	0.2	0.61	15.6	180.5	0.14	0.11	0.27	6.6	8.5	24.8	2.18	2.5	20	0.04	14.0	0.17	228	1.92	0.043	17.3	529	12.81	<0.02	3.14	1.2	0.8	15.0	0.06	1.1	0.005	0.06	0.4	32	0.2	87.1
115	KW41+00N 00+75E	2	0.2	0.88	27.5	325.5	0.20	0.16	0.55	8.3	15.5	38.4	3.25	3.5	45	0.06	27.0	0.29	231	3.96	0.036	31.6	696	16.42	<0.02	5.68	2.9	2.2	17.0	0.04	4.0	0.003	0.08	1.1	50	0.2	145.9
116	KW41+00N 01+00E	2	0.2	0.98	27.1	397.5	0.24	0.24	0.62	11.4	17.0	41.2	3.41	3.7	55	0.06	27.5	0.34	338	3.83	0.038	39.0	720	17.47	<0.02	5.42	3.1	1.8	22.5	0.06	3.7	0.003	0.10	1.2	54	0.2	159.0
117	KW41+00N 01+25E	2	0.2	0.88	15.0	286.5	0.18	0.17	0.27	8.4	14.5	26.9	2.40	3.2	60	0.06	19.5	0.28	274	1.92	0.040	21.9	611	12.77	<0.02	2.80	2.0	1.2	19.5	0.04	2.3	0.005	0.08	1.1	38	0.2	88.7
118	KW41+00N 01+50E N/S																																				
119	KW41+00N 01+75E	1	0.2	1.05	12.8	240.0	0.16	0.21	0.26	6.6	16.0	16.8	2.26	3.4	60	0.06	19.0	0.37	173	1.78	0.039	16.7	738	13.02	<0.02	1.92	2.0	1.2	20.5	0.04	3.5	0.003	0.08	1.2	44	0.2	77.2
120	KW41+00N 02+00E	1	0.2	1.13	11.7	282.5	0.16	0.38	0.17	6.1	17.5	14.6	2.49	3.6	50	0.05	18.0	0.53	210	1.54	0.040	17.6	729	13.98	<0.02	1.66	2.1	1.0	30.0	0.04	3.8	0.003	0.06	0.9	36	0.2	75.2

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
121	KW41+00N 02+25E N/S																																			
122	KW41+00N 02+50E	2	0.1	1.59	41.1	201.5	0.28	0.12	0.55	12.3	22.5	38.2	4.34	4.2	15	0.06	16.5	0.65	242	4.59	0.035	44.0	409	27.11	0.02	5.38	2.9	1.5	21.0	0.08	3.7	0.001	0.14	0.7	46	0.1	178.8
123	KW41+00N 02+75E	2	0.1	0.88	17.9	208.5	0.22	0.11	0.45	10.3	14.5	30.9	2.99	3.2	40	0.05	22.5	0.26	347	2.16	0.036	25.1	552	16.50	<0.02	4.00	2.3	1.2	16.0	0.04	3.1	0.004	0.08	1.0	36	0.3	100.1
124	KW41+00N 03+00E	2	0.1	0.57	17.1	133.0	0.20	0.08	0.22	6.3	9.5	19.2	2.55	2.9	15	0.04	16.5	0.17	176	1.90	0.034	18.1	358	14.79	<0.02	3.36	1.2	0.8	12.0	0.04	1.7	0.005	0.08	0.4	34	0.2	75.5
125	KW41+00N 03+25E	3	0.1	0.76	21.4	192.5	0.22	0.07	0.31	20.9	11.5	36.7	3.15	2.4	40	0.04	18.0	0.22	962	2.25	0.033	28.5	518	19.41	<0.02	4.76	2.4	1.3	12.5	0.04	3.3	0.002	0.10	0.7	32	0.2	113.3
126	KW41+00N 03+50E	2	0.1	0.62	15.6	178.0	0.14	0.06	0.26	6.9	8.0	14.8	2.07	2.4	15	0.04	13.0	0.16	218	1.42	0.039	13.8	395	10.87	<0.02	2.60	1.2	0.5	10.5	0.02	1.7	0.003	0.06	0.3	28	0.3	55.4
127	KW41+00N 03+75E	2	0.3	1.14	12.9	242.0	0.20	0.07	0.24	7.3	16.0	28.5	2.64	3.5	20	0.05	17.5	0.40	152	1.58	0.038	19.6	211	13.98	<0.02	2.08	1.7	0.6	11.5	0.06	4.0	0.002	0.08	0.5	36	0.2	72.2
128	KW41+00N 04+00E	1	0.6	1.36	26.5	235.0	0.22	0.02	0.24	3.9	16.0	46.7	5.77	3.9	15	0.06	32.5	0.32	81	5.36	0.034	20.4	579	15.72	0.04	4.10	3.0	2.7	32.0	0.06	5.8	0.001	0.10	1.0	50	0.1	152.1
129	KW41+00N 04+25E	1	0.3	1.31	28.1	227.5	0.24	<0.01	0.08	2.3	15.0	22.7	3.92	4.2	10	0.05	31.0	0.22	61	6.45	0.036	11.8	426	17.57	0.02	3.76	2.0	1.9	15.5	0.08	4.4	0.001	0.18	0.8	56	<0.1	70.3
130	KW41+00N 04+50E	2	0.2	0.96	15.9	296.0	0.22	0.52	0.27	12.8	14.5	29.4	3.05	3.1	70	0.07	17.0	0.28	599	2.42	0.038	27.0	655	17.95	0.02	3.32	2.4	1.0	50.0	0.04	2.4	0.002	0.10	1.0	40	0.2	113.8
131	KW41+00N 04+75E	2	0.4	0.69	14.7	289.0	0.20	0.23	0.30	8.7	11.0	33.0	2.68	2.7	55	0.05	21.0	0.22	287	2.03	0.040	25.3	494	14.38	<0.02	3.52	2.2	1.2	22.0	0.02	2.3	0.003	0.08	0.7	32	0.2	106.4
132	KW41+00N 05+00E	2	0.1	0.71	17.5	143.0	0.22	0.06	0.30	9.8	11.5	31.5	3.25	2.7	30	0.05	22.5	0.19	260	2.30	0.034	30.3	391	17.05	<0.02	4.44	2.2	1.1	11.5	0.06	3.6	0.002	0.08	0.7	32	0.2	110.8
133	KW41+00N 05+25E	1	0.1	0.61	23.8	91.0	0.30	0.08	0.24	11.2	12.5	18.4	3.56	3.6	20	0.04	13.0	0.19	578	2.67	0.037	15.3	385	26.11	<0.02	3.10	1.1	0.8	11.0	0.06	2.1	0.007	0.08	0.4	38	0.2	92.7
134	KW41+00N 05+50E	2	0.4	0.81	13.6	327.0	0.22	0.50	0.31	9.6	12.0	26.8	2.61	2.9	60	0.05	16.0	0.21	364	1.53	0.040	24.8	519	15.67	0.02	3.18	2.3	0.9	39.5	0.04	2.5	0.005	0.08	1.1	32	0.2	84.5
135	KW41+00N 05+75E	2	0.3	0.62	22.9	385.0	0.26	0.27	0.48	14.6	12.0	45.9	3.52	2.5	90	0.05	22.0	0.22	465	2.44	0.038	39.9	650	20.26	<0.02	6.10	3.9	1.4	32.5	0.06	4.6	0.003	0.10	0.9	34	0.2	138.5
136	KW41+00N 06+00E N/S																																			
137	KW41+00N 06+25E N/S																																			
138	KW41+00N 06+50E	1	0.2	0.89	9.2	412.0	0.14	0.51	0.23	5.9	13.0	22.2	2.20	2.9	55	0.05	13.0	0.30	300	1.74	0.042	17.0	655	10.83	0.04	1.84	1.9	0.8	38.0	0.04	2.2	0.003	0.06	0.7	32	0.4	72.7
139	KW41+00N 06+75E	2	0.1	1.15	26.4	212.0	0.30	0.41	0.73	13.0	19.0	35.0	3.95	3.7	50	0.06	22.0	0.44	362	3.60	0.040	54.1	740	20.57	<0.02	5.10	3.1	1.4	31.5	0.06	4.0	0.002	0.14	0.9	44	0.4	200.5
140	KW41+00N 07+00E	3	0.3	1.26	20.6	320.5	0.24	0.40	0.65	12.1	20.0	30.1	3.83	3.8	75	0.06	22.5	0.51	334	3.20	0.040	43.4	640	17.24	<0.02	4.18	3.3	1.3	29.0	0.08	4.0	0.002	0.12	1.0	44	0.2	180.5
141	KW41+00N 07+25E N/S																																			
142	KW41+00N 07+50E	12	0.5	1.16	8.2	342.0	0.14	1.14	1.47	7.3	12.5	29.0	1.86	3.6	135	0.07	10.5	0.31	400	1.02	0.052	25.9	735	10.23	0.18	1.84	2.1	1.7	83.5	<0.02	1.7	0.002	0.16	1.4	30	0.3	153.6
143	KW41+00N 07+75E N/S																																			
144	KW41+00N 08+00E N/S																																			
145	KW41+00N 08+25E N/S																																			
146	KW41+00N 08+50E N/S																																			
147	KW41+00N 08+75E	6	0.3	1.01	18.9	360.5	0.24	0.11	0.72	10.7	14.0	43.9	2.92	3.7	70	0.06	16.0	0.33	386	2.17	0.036	26.1	546	16.80	0.02	2.76	2.3	1.3	17.0	0.06	3.2	0.003	0.16	0.8	36	0.3	125.3
148	KW41+00N 09+00E	5	0.2	1.07	16.1	176.0	0.26	0.10	0.46	10.5	16.5	32.0	3.01	4.5	50	0.07	19.0	0.39	425	2.18	0.036	24.4	654	17.20	0.02	2.60	2.1	1.1	17.5	0.04	4.7	0.006	0.12	0.7	40	0.3	112.7
149	KW41+00N 09+25E	5	0.1	1.30	12.0	267.5	0.22	0.08	0.38	13.3	16.5	39.1	2.68	4.4	50	0.06	19.0	0.36	442	1.74	0.041	25.1	420	15.07	0.02	2.04	2.0	1.0	15.5	0.04	3.9	0.003	0.10	0.7	36	0.2	99.8
150	KW41+00N 09+50E	3	0.1	1.45	12.8	299.0	0.20	0.09	0.36	12.3	18.0	37.6	2.93	3.8	40	0.08	18.5	0.38	400	1.73	0.038	25.6	445	13.12	<0.02	1.94	2.2	0.7	14.5	0.06	4.7	0.003	0.12	0.6	42	0.1	96.4
151	KW41+00N 09+75E	3	1.0	1.69	11.5	1606.0	0.22	0.79	0.76	10.7	20.5	44.8	3.02	5.4	145	0.09	15.0	0.36	349	2.10	0.044	39.6	667	12.64	0.06	1.88	4.4	1.9	67.0	0.04	3.3	0.001	0.12	2.3	50	0.2	108.8
152	KW41+00N 10+00E	3	0.3	1.08	11.6	441.0	0.20	0.36	0.46	6.6	13.0	28.7	2.16	3.9	65	0.07	12.5	0.27	282	1.70	0.046	20.2	516	11.63	0.04	1.92	1.7	1.0	31.0	0.04	1.9	0.003	0.10	1.2	38	0.2	85.6
153	KW41+00N 10+25E	3	0.2	1.00	14.2	342.0	0.20	0.26	0.46	9.6	12.5	31.4	2.34	3.8	70	0.06	14.5	0.29	380	2.04	0.043	23.1	586	13.06	0.04	2.38	1.8	1.1	27.0	0.02	1.9	0.005	0.10	0.7	36	0.2	100.2
154	KW41+00N 10+50E	3	0.1	1.06	13.5	191.5	0.22	0.08	0.53	10.3	14.0	25.7	2.59	4.0	45	0.06	14.5	0.31	548	2.11	0.039	19.9	798	14.29	0.02	2.24	1.5	0.9	15.5	0.04	2.4	0.003	0.10	0.6	38	0.2	97.6
155	KW41+00N 10+75E	3	0.1	0.79	14.4	243.5	0.22	0.18	0.57	12.0	13.5	36.4	2.51	3.9	70	0.05	21.0	0.34	515	2.26	0.038	27.5	909	15.03	0.02	2.72	2.5	1.3	26.5	0.06	5.2	0.007	0.08	0.9	32	0.2	116.3
156	KW41+00N 11+00E	3	0.1	0.95	12.3	169.0	0.18	0.05	0.23	6.6	12.0	26.1	2.31	3.3	45	0.05	10.5	0.26	289	1.77	0.035	17.2	449	12.05	0.02	2.00	1.4	0.7	11.0	0.04	2.4	0.003	0.10	0.5	34	0.1	82.8
157	KW41+00N 11+25E	3	0.2	0.90	13.5	321.0	0.24	0.27	0.41	11.0	15.5	39.5	2.66	4.2	110	0.06	21.0	0.39	497	2.06	0.041	28.8	973	16.05	0.02	2.46	2.8	1.3	33.0	0.04	5.9	0.009	0.10	1.0	36	0.2	116.4
158	KW41+00N 11+50E	3	0.2	0.87	11.2	235.5	0.20	0.14	0.37	8.6	13.0	31.2	2.19	3.8	65	0.05	17.5	0.31	368	1.77	0.038	21.2	699	12.55	0.02	1.90	1.7	1.0	21.0	0.04	2.7	0.006	0.08	0.7	32	0.2	88.7
159	KW41+00N 11+75E	3	0.1	0.86	8.8	197.0	0.16	0.10	0.25	7.6	11.5	15.0	1.88	3.6	35	0.05	10.5	0.22	356	1.19	0.041	13.3	383	10.38	0.02	1.12	0.8	0.5	13.5	<0.02	0.5	0.004	0.08	0.4	32	0.2	60.3
160	KW41+00N 12+00E	3	0.5	1.23	7.6	582.0	0.18	0.58	0.25	8.5	17.5	32.0	1.99	4.3	110	0.06	13.5	0.36	266	0.97	0.048	23.0	726	13.18	0.04	1.34	3.0	2.1	43.0	0.04	2.2	0.004	0.10	3.2	40	0.2	64.2
161	KW41+00N 00+25W	1	0.1	0.74	15.6	99.5	0.16	0.03	0.22	4.9	10.5	14.3	2.47	3.5	15	0.04	15.5	0.19	142	1.79	0.033	14.3	371	10.83	0.02	3.10	1.2	0.8	8.5	0.04	2.6	0.002	0.06	0.4	32	0.1	78.2
162	KW41+00N 00+50W	1	0.1	0.94	14.8	138.5	0.16	0.07	0.25	6.4	13.0	16.5	2.51	3.9	15	0.06	17.0	0.28	197	1.88	0.035	19.4	630	10.14	0.02	2.86	1.7	0.6	12.5	0.04	3.1	0.002	0.08	0.4	36	0.1	94.1
163	KW41+00N 00+75W	2	0.1	0.75	12.6	304.0	0.12	0.18	0.21	5.2	11.0	12.2	1.80	3.5	25	0.04	13.5	0.23	185	1.63	0.035	12.1	248	9.70	0.02	2.04	1.2	0.6	18.5	0.02	1.2	0.003	0.06	0.6	34	0.1	55.2
164	KW41+00N 01+00W	3	0.5	1.13	15.7	509.0	0.16	0.79	0.52	8.4	12.5	26.9	2.40	3.8	80	0.07	13.0	0.32	280	1.67	0.045	26.5	625	11.71	0.06	3.00	2.4	1.6	51.5	0.04	2.3	0.002	0.10	2.0	36	0.1	96.9
165	KW41+00N 01+25W N/S																																			

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2010- 8075 TerraLogic Exploration Inc.

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
166	KW41+00N 01+50W N/S																																			
167	KW41+00N 01+75W N/S																																			
168	KW41+00N 02+00W	3	0.5	0.91	18.2	381.5	0.24	0.49	1.10	10.9	15.0	39.6	2.63	3.5	145	0.09	14.0	0.35	453	2.86	0.042	35.2	746	13.87	0.08	3.90	2.9	2.3	46.5	0.04	3.1	0.004	0.14	1.4	42	0.2	158.7
169	KW41+00N 02+25W N/S																																			
170	KW41+00N 02+50W	4	0.4	0.77	21.5	317.5	0.24	0.56	1.33	10.2	13.5	34.5	2.53	3.2	140	0.09	12.5	0.37	456	2.75	0.038	32.4	871	13.68	0.08	3.60	2.8	2.0	50.5	0.04	3.4	0.004	0.12	1.0	38	0.1	164.1
171	KW42+00N 00+00	1	0.2	0.88	10.1	272.0	0.16	0.16	0.34	6.7	13.5	22.7	2.16	4.0	65	0.05	21.0	0.32	176	1.55	0.034	18.4	678	13.19	0.02	2.42	2.2	1.2	23.5	0.02	3.7	0.004	0.06	0.8	30	0.1	84.1
172	KW42+00N 00+25E	2	0.1	0.87	8.8	272.0	0.16	0.17	0.17	5.5	12.5	17.1	1.95	3.8	40	0.05	17.0	0.32	131	1.38	0.032	15.5	569	10.76	0.02	1.96	1.8	1.0	21.0	0.02	3.3	0.003	0.06	0.7	30	0.1	65.7
173	KW42+00N 00+50E N/S																																			
174	KW42+00N 00+75E N/S																																			
175	KW42+00N 01+00E N/S																																			
176	KW42+00N 01+25E	4	<0.1	0.90	26.9	272.5	0.22	0.18	0.35	9.3	14.5	25.3	3.14	4.0	35	0.05	16.5	0.28	432	2.95	0.032	23.4	603	16.56	0.04	3.48	1.8	1.5	26.0	0.04	2.1	0.003	0.08	0.9	32	0.1	124.7
177	KW42+00N 01+50E	3	0.4	1.10	19.5	240.5	0.18	0.06	0.60	11.7	12.0	24.1	3.31	3.6	35	0.05	11.0	0.17	374	2.87	0.034	26.7	548	16.05	0.04	4.10	1.5	1.4	14.5	0.02	2.0	0.002	0.16	0.6	32	<0.1	97.4
178	KW42+00N 01+75E	2	0.1	1.12	20.6	125.0	0.28	0.02	0.29	5.6	15.0	14.8	3.62	4.4	20	0.04	16.5	0.24	179	2.63	0.028	18.5	568	15.75	0.02	3.74	1.7	0.9	10.0	0.06	2.5	0.001	0.10	0.4	44	0.1	104.8
179	KW42+00N 02+00E N/S																																			
180	KW42+00N 02+25E	2	1.0	1.85	29.3	181.5	0.28	0.02	1.50	7.7	22.5	64.2	6.51	6.4	25	0.05	27.0	0.56	229	11.26	0.031	42.8	695	22.94	0.06	10.08	3.6	4.9	36.0	0.08	6.3	0.005	0.16	1.1	90	<0.1	356.8
181	KW42+00N 02+50E	1	0.1	0.74	9.5	282.0	0.14	0.03	0.39	4.9	8.0	12.5	1.77	3.2	10	0.03	12.0	0.13	109	1.36	0.032	10.5	153	8.02	0.02	1.78	1.0	0.5	6.5	0.02	2.1	0.001	0.06	0.3	28	0.1	55.3
182	KW42+00N 02+75E	2	0.1	0.93	15.3	177.5	0.20	0.04	0.25	5.7	11.5	19.1	2.62	3.7	20	0.05	16.0	0.22	178	1.78	0.027	16.0	256	12.04	0.02	2.60	1.3	0.7	10.0	0.04	3.4	0.002	0.06	0.5	32	0.1	82.1
183	KW42+00N 03+00E	2	<0.1	0.68	14.9	140.5	0.20	0.03	0.23	6.0	10.0	20.8	2.18	3.1	30	0.04	18.0	0.22	132	1.58	0.028	18.3	147	11.74	0.02	2.98	1.5	1.0	7.5	0.04	3.8	0.002	0.06	0.6	26	<0.1	75.6
184	KW42+00N 03+25E	2	0.3	0.73	14.7	225.5	0.18	0.16	0.27	8.4	10.5	26.4	2.25	3.4	45	0.05	18.5	0.23	295	1.79	0.034	23.0	522	12.43	0.02	2.82	1.7	1.2	19.0	0.02	2.0	0.003	0.06	0.7	26	<0.1	105.3
185	KW42+00N 03+50E	2	0.1	0.69	12.7	238.5	0.18	0.14	0.21	6.2	11.5	23.8	2.24	3.6	40	0.04	22.5	0.25	202	1.85	0.029	21.0	555	10.82	0.02	2.74	1.9	1.3	18.0	0.04	3.7	0.003	0.04	0.7	28	0.1	91.7
186	KW42+00N 03+75E	1	0.2	0.98	11.6	401.5	0.18	0.20	0.19	7.5	15.5	29.8	2.63	4.2	70	0.06	21.5	0.34	164	1.95	0.030	29.3	593	11.80	0.02	2.76	3.0	1.4	22.0	0.04	4.8	0.002	0.06	0.8	32	<0.1	116.8
187	KW42+00N 04+00E	2	0.1	0.94	15.6	233.0	0.20	0.10	0.28	7.0	13.5	19.3	2.94	4.1	35	0.05	17.5	0.26	273	2.19	0.029	19.2	371	16.12	0.04	2.92	1.8	1.1	19.5	0.04	3.0	0.003	0.08	0.7	36	0.2	88.9
188	KW42+00N 04+25E	2	0.1	0.96	18.4	213.5	0.20	0.08	0.29	6.3	10.5	20.0	2.86	3.8	35	0.05	15.0	0.19	261	1.99	0.029	16.4	346	14.75	0.02	2.88	1.4	0.9	14.5	0.04	2.6	0.001	0.08	0.5	32	0.1	83.3
189	KW42+00N 04+50E	1	0.2	1.09	11.9	379.0	0.20	0.24	0.17	7.5	16.5	23.9	2.80	4.7	85	0.07	22.0	0.39	152	1.97	0.029	25.1	772	12.94	0.02	2.32	2.7	1.4	30.0	0.04	5.1	0.002	0.08	1.3	38	0.1	109.8
190	KW42+00N 04+75E	2	0.4	1.18	20.9	297.0	0.26	0.39	0.74	9.2	16.5	40.2	3.18	4.4	60	0.06	14.5	0.40	390	2.66	0.032	29.7	738	21.75	0.04	3.18	2.3	1.3	44.0	0.04	2.0	0.004	0.12	1.1	46	0.2	152.9
191	KW42+00N 05+00E	2	0.2	0.72	14.8	278.5	0.20	0.23	0.34	6.4	11.0	27.9	2.24	3.2	60	0.05	17.0	0.26	257	1.70	0.031	22.2	601	11.79	0.02	2.76	2.5	1.2	27.5	0.02	4.3	0.003	0.06	0.7	26	0.1	99.9
192	KW42+00N 05+25E	1	<0.1	0.49	6.7	188.5	0.08	0.28	0.12	6.6	2.5	11.5	2.92	2.6	155	0.06	26.5	0.04	231	1.58	0.031	11.9	565	21.56	0.04	3.98	1.5	0.9	25.0	0.02	4.9	0.001	0.04	0.6	8	0.1	128.7
193	KW42+00N 05+50E	<1	0.1	0.59	16.1	68.0	0.06	0.07	0.06	2.7	2.0	6.2	2.60	4.0	5	0.05	24.5	0.03	166	1.23	0.031	2.3	367	15.57	0.04	2.94	0.6	0.7	8.0	<0.02	3.4	0.001	0.06	0.6	16	<0.1	57.5
194	KW42+00N 05+75E	1	0.3	0.94	10.5	206.5	0.10	0.10	0.37	7.0	4.5	7.6	2.25	3.4	10	0.07	22.5	0.04	233	1.04	0.029	7.5	241	12.78	0.02	2.28	1.2	0.6	12.5	<0.02	5.5	0.001	0.06	0.5	16	<0.1	81.3
195	KW42+00N 06+00E	2	0.1	0.58	12.5	143.0	0.10	0.20	0.19	5.9	4.5	5.5	3.07	2.8	15	0.05	16.5	0.04	348	1.67	0.033	3.9	243	21.54	0.04	3.06	0.7	0.8	18.5	<0.02	3.7	0.001	0.04	0.7	16	<0.1	85.0
196	KW42+00N 06+25E	4	0.4	0.96	14.9	429.5	0.14	0.81	0.70	8.5	9.5	22.1	4.12	3.0	105	0.05	9.5	0.21	1963	1.50	0.039	22.8	884	9.47	0.14	1.64	1.7	2.3	63.0	0.04	1.3	0.002	0.08	2.5	28	<0.1	100.0
197	KW42+00N 06+50E	12	0.3	1.02	10.6	308.0	0.14	0.77	1.93	3.9	10.5	31.4	2.36	3.0	185	0.05	10.0	0.23	443	0.95	0.040	23.0	790	8.39	0.20	1.80	1.8	2.5	58.5	<0.02	1.5	0.002	0.10	2.8	24	<0.1	119.1
198	KW42+00N 06+75E N/S																																			
199	KW42+00N 07+00E N/S																																			
200	KW42+00N 07+25E N/S																																			
201	KW42+00N 07+50E	1	0.1	0.65	10.4	129.5	0.18	0.12	0.18	7.1	10.5	11.0	1.78	3.4	15	0.04	13.0	0.24	288	1.48	0.031	12.2	517	10.21	<0.02	1.44	1.0	0.6	15.5	<0.02	1.9	0.004	0.06	0.5	26	<0.1	71.6
202	KW42+00N 07+75E	2	0.2	0.83	12.8	284.0	0.18	0.22	0.38	7.1	13.0	30.0	2.22	3.5	85	0.05	17.0	0.31	230	1.61	0.033	22.9	790	10.36	0.02	1.86	2.2	1.1	28.5	0.04	4.2	0.006	0.08	0.9	30	<0.1	99.9
203	KW42+00N 08+00E	1	0.1	0.77	15.0	300.0	0.14	0.12	0.27	5.3	10.5	15.9	1.70	3.9	20	0.04	15.0	0.22	172	1.26	0.035	12.3	364	9.24	0.02	1.32	1.1	0.6	15.5	<0.02	1.3	0.004	0.06	0.5	30	0.1	57.0
204	KW42+00N 08+25E	3	0.2	0.94	14.7	304.5	0.20	0.14	0.34	9.5	12.5	21.6	2.33	3.8	35	0.05	15.5	0.25	340	1.94	0.033	19.6	575	12.79	0.02	2.00	1.6	0.9	22.0	0.04	2.5	0.003	0.10	0.7	32	0.1	98.8
205	KW42+00N 08+50E	1	<0.1	0.83	11.2	135.5	0.14	0.09	0.22	7.2	11.5	12.4	1.96	3.4	15	0.04	13.5	0.25	218	1.48	0.032	13.4	409	10.08	<0.02	1.82	1.2	0.6	14.0	0.02	3.0	0.003	0.06	0.4	30	<0.1	69.2
206	KW42+00N 08+75E	2	0.5	0.93	6.3	380.5	0.14	0.43	0.44	6.3	14.0	34.4	1.70	3.6	110	0.05	16.0	0.33	166	0.95	0.036	27.2	509	7.34	0.04	1.38	3.6	1.2	31.5	0.02	2.5	0.003	0.08	1.6	28	<0.1	91.9
207	KW42+00N 09+00E	2	0.1	0.79	12.0	306.5	0.20	0.23	0.31	8.6	13.0	33.2	2.38	3.9	70	0.05	22.0	0.33	363	1.75	0.031	24.9	875	12.95	0.02	1.96	2.5	1.2	29.0	0.04	6.1	0.008	0.04	0.9	30	<0.1	98.1
208	KW42+00N 09+25E	2	0.1	0.93	11.2	197.5	0.18	0.10	0.34	7.3	13.0	19.6	2.36	4.0	35	0.05	15.0	0.27	318	1.67	0.030	16.8	551	15.34	0.02	1.60	1.5	0.8	15.0	0.02	3.0	0.004	0.08	0.6	34	0.1	77.8
209	KW42+00N 09+50E	1	0.1	0.78	10.1	242.0	0.20	0.05	0.50	2.9	9.5	16.8	1.39	4.2	35	0.04	17.0	0.11	121	1.36	0.032	8.6	260	9.94	0.02	1.00	0.5	0.7	10.0	<0.02	0.5	0.003	0.08	0.7	32	0.2	39.3
210	KW42+00N 09+75E	1	0.2	0.78	4.4	248.0	0.10	0.09	0.45	4.2	6.0	18.3	1.08	2.9	40	0.06	6.5	0.08	316	0.63	0.053	8.8	324	6.31	0.02	0.64	0.4	0.4	15.0	<0.02	0.2	0.004	0.06	0.4	22	<0.1	32.7

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
211	KW42+00N 10+00E	5	0.3	0.92	10.0	353.5	0.22	0.28	0.35	7.8	14.0	35.9	2.19	3.7	90	0.06	16.5	0.32	305	1.46	0.041	23.2	786	16.12	<0.02	1.34	2.5	1.0	29.0	0.04	2.8	0.005	0.06	1.0	30	<0.1	87.3
212	KW42+00N 10+25E	8	0.4	1.00	8.4	419.0	0.18	0.33	0.30	8.2	15.5	24.6	1.93	3.7	90	0.05	14.5	0.34	444	1.24	0.035	20.1	701	13.29	<0.02	1.02	2.3	1.0	26.5	0.04	2.6	0.004	0.06	1.3	30	<0.1	75.6
213	KW42+00N 10+50E	6	0.5	1.28	8.3	602.5	0.24	0.26	0.35	8.4	18.0	32.6	2.17	4.5	120	0.05	15.5	0.36	266	1.02	0.036	22.0	857	19.64	0.02	0.92	3.1	1.5	26.0	0.04	3.1	0.002	0.08	3.3	36	<0.1	74.3
214	KW42+00N 10+75E	14	0.3	1.00	7.9	312.5	0.20	0.24	0.28	9.1	15.5	27.3	2.16	4.1	165	0.06	18.0	0.38	311	1.39	0.034	19.7	851	13.46	<0.02	1.32	2.2	1.0	27.0	0.04	3.1	0.004	0.06	1.4	32	<0.1	78.9
215	KW42+00N 11+00E	4	0.3	1.07	8.1	328.0	0.18	0.28	0.25	8.2	15.5	26.3	2.13	4.2	80	0.06	17.0	0.41	275	1.47	0.038	19.0	875	15.45	<0.02	1.24	2.1	1.0	29.5	0.04	3.9	0.004	0.04	1.4	34	<0.1	87.8
216	KW42+00N 11+25E	3	0.3	0.79	4.8	253.0	0.12	0.20	0.17	5.3	10.0	21.2	1.38	3.0	60	0.05	10.5	0.23	228	0.86	0.040	14.3	582	9.60	<0.02	0.78	1.3	0.7	19.5	0.04	1.4	0.004	0.02	1.0	24	<0.1	52.1
217	KW42+00N 11+50E	3	0.3	0.95	6.6	331.0	0.16	0.26	0.25	8.0	14.0	28.6	1.86	3.8	80	0.06	16.0	0.36	230	1.34	0.035	19.6	689	13.66	<0.02	1.10	2.4	1.0	26.0	0.04	3.9	0.002	0.04	1.2	30	<0.1	67.9
218	KW42+00N 11+75E	2	0.1	0.54	3.3	147.5	0.08	0.12	0.11	3.6	6.5	9.0	1.01	2.2	30	0.04	6.5	0.16	111	0.55	0.039	7.6	342	8.45	<0.02	0.44	0.4	0.4	12.5	<0.02	0.4	0.002	<0.02	0.5	18	<0.1	33.6
219	KW42+00N 12+00E	3	0.2	0.88	6.0	271.5	0.14	0.22	0.14	6.5	12.5	20.2	1.63	3.4	60	0.05	13.5	0.32	149	1.04	0.032	15.8	593	13.15	<0.02	0.92	1.7	0.7	23.0	0.04	3.3	0.002	0.02	0.8	28	<0.1	61.4
220	KW42+00N 00+25W	2	0.2	0.86	12.3	255.5	0.14	0.16	0.21	7.3	13.5	29.7	2.25	3.2	40	0.04	19.0	0.29	196	1.35	0.034	21.4	595	15.41	<0.02	2.10	2.0	0.9	21.5	0.04	3.4	0.003	<0.02	0.7	26	<0.1	86.7
221	KW42+00N 00+50W	2	0.4	0.93	10.7	585.5	0.20	0.29	0.16	10.5	13.0	30.3	2.09	3.4	70	0.04	13.0	0.21	405	1.64	0.034	21.0	512	17.96	0.02	1.56	2.5	1.1	29.0	0.02	2.6	0.001	<0.02	1.3	34	10.0	52.2
222	KW42+00N 00+75W	2	0.1	0.75	9.4	211.0	0.14	0.15	0.20	5.7	11.0	15.6	1.84	3.4	30	0.05	14.5	0.23	193	1.45	0.035	14.0	450	11.53	<0.02	1.74	1.3	0.7	18.5	0.02	1.3	0.003	<0.02	0.5	30	<0.1	62.6
223	KW42+00N 01+00W	4	0.2	0.66	7.4	271.5	0.10	0.63	0.53	4.9	7.5	20.3	1.40	2.4	45	0.06	8.0	0.21	185	1.03	0.047	17.3	459	7.78	0.04	1.94	1.4	0.9	43.5	0.02	1.5	0.006	<0.02	0.8	24	<0.1	74.1
224	KW42+00N 01+25W	9	0.2	0.68	8.0	339.0	0.12	1.44	0.92	5.5	7.5	19.8	1.43	2.3	70	0.04	8.0	0.23	289	1.50	0.040	15.5	569	9.53	0.06	1.84	1.2	1.1	94.5	0.04	1.5	0.004	<0.02	0.7	22	<0.1	60.3
225	KW42+00N 01+50W	3	0.3	0.71	7.7	211.0	0.12	0.52	0.21	4.0	9.0	14.4	1.39	2.7	50	0.06	8.0	0.20	188	1.52	0.045	11.3	423	8.79	0.04	1.80	1.4	0.9	38.5	0.02	1.3	0.004	0.02	0.6	32	<0.1	46.5
226	KW42+00N 01+75W N/S																																				
227	KW42+00N 02+00W	2	0.1	0.42	2.9	159.5	0.06	0.24	0.07	1.3	5.5	11.2	0.70	2.2	25	0.04	6.0	0.10	37	0.41	0.046	6.3	323	5.02	0.02	0.64	0.5	0.4	20.0	<0.02	0.3	0.004	<0.02	0.3	18	<0.1	23.4
228	KW42+00N 02+25W	2	0.2	0.54	5.8	167.5	0.10	0.25	0.25	4.2	7.5	11.9	1.03	2.5	40	0.05	7.0	0.15	291	1.09	0.040	9.3	407	7.52	<0.02	1.08	0.9	0.6	20.5	<0.02	0.8	0.003	<0.02	0.4	26	<0.1	45.8
229	KW42+00N 02+50W N/S																																				
230	KW42+00N 02+75W	2	0.3	1.21	23.2	200.5	0.22	0.48	0.72	11.2	15.0	27.6	2.55	4.9	50	0.06	19.5	0.46	422	2.07	0.042	29.1	719	26.46	0.04	2.04	3.5	1.7	38.5	0.04	3.0	0.005	0.04	1.3	38	<0.1	159.2
231	KW42+00N 03+00W	2	9.1	1.07	22.9	157.0	0.18	0.34	0.57	12.7	13.5	24.0	2.97	4.5	20	0.05	17.5	0.51	559	2.02	0.048	28.1	611	31.61	0.04	2.12	3.4	1.4	29.5	0.04	4.1	0.006	<0.02	0.9	36	<0.1	158.1
232	KW42+00N 03+25W	3	0.3	1.02	22.9	196.5	0.20	0.80	0.82	13.9	14.0	24.0	2.65	4.0	70	0.06	15.0	0.45	640	2.11	0.040	25.9	819	18.71	0.04	2.42	2.7	1.6	51.0	0.04	2.4	0.006	0.04	1.4	36	<0.1	149.1
233	KW42+00N 03+50W	3	0.3	0.75	12.2	193.5	0.12	0.87	0.56	5.8	10.5	26.1	1.76	2.7	50	0.06	11.0	0.30	242	1.18	0.036	23.3	636	10.28	0.04	2.10	1.8	1.5	50.5	0.02	2.0	0.002	0.02	1.9	24	<0.1	118.2
234	KW43+00N 00+00	1	0.2	0.54	8.4	133.5	0.14	0.22	0.63	10.9	7.0	18.2	1.29	3.0	10	0.04	5.5	0.09	1366	1.11	0.044	7.3	558	14.39	<0.02	1.14	0.4	0.3	22.5	0.04	0.2	0.006	0.04	0.6	28	<0.1	56.5
235	KW43+00N 00+25E N/S																																				
236	KW43+00N 00+50E	1	0.6	0.53	14.9	169.5	0.20	0.33	0.92	8.6	9.5	18.2	1.63	3.4	15	0.05	9.0	0.15	830	2.01	0.036	10.2	475	13.37	<0.02	1.98	0.4	0.5	31.0	0.04	0.2	0.005	<0.02	0.5	30	<0.1	89.0
237	KW43+00N 00+75E N/S																																				
238	KW43+00N 01+00E	4	0.5	0.95	9.1	404.5	0.16	0.60	0.94	11.1	14.5	29.5	1.90	3.6	95	0.06	9.5	0.21	2017	1.82	0.042	26.1	1210	8.99	0.08	1.80	2.0	1.3	52.5	0.04	1.1	0.003	0.10	1.6	36	<0.1	81.0
239	KW43+00N 01+25E	1	0.3	1.13	22.5	430.5	0.24	0.88	0.70	13.3	16.5	32.4	3.91	4.2	45	0.06	10.5	0.26	1721	2.62	0.035	22.0	1240	14.44	0.08	1.96	2.3	1.3	70.0	0.06	1.7	0.002	0.06	1.5	54	<0.1	107.4
240	KW43+00N 01+50E	2	0.2	0.89	13.4	372.0	0.22	0.40	0.63	10.0	13.5	29.6	2.41	3.9	55	0.06	18.0	0.30	305	1.78	0.036	27.0	585	16.70	0.02	2.98	2.7	1.2	32.5	0.04	3.6	0.002	<0.02	0.8	34	<0.1	104.1
241	KW43+00N 01+75E	1	0.2	0.78	10.2	275.5	0.14	0.26	0.23	6.8	11.5	20.3	1.92	3.1	55	0.05	14.0	0.27	190	1.60	0.034	18.2	584	10.84	<0.02	1.94	2.1	1.1	24.0	0.04	2.8	0.001	<0.02	0.7	28	<0.1	74.4
242	KW43+00N 02+00E	3	0.8	1.05	17.6	540.0	0.24	0.25	0.25	8.9	16.0	41.0	2.89	4.2	90	0.07	19.0	0.37	300	2.38	0.037	33.6	658	16.62	<0.02	3.44	3.9	1.4	24.5	0.06	4.9	0.002	0.02	0.8	38	<0.1	130.9
243	KW43+00N 02+25E	1	0.1	0.81	14.1	192.0	0.22	0.15	0.38	10.4	13.0	23.1	2.41	3.7	25	0.05	18.0	0.29	470	1.99	0.033	21.3	622	14.85	<0.02	2.50	1.8	1.1	18.0	0.04	2.9	0.003	<0.02	0.8	32	<0.1	92.8
244	KW43+00N 02+50E	2	0.2	0.89	13.7	339.5	0.22	0.17	0.23	8.5	13.5	30.9	2.37	3.8	55	0.05	20.0	0.30	269	1.84	0.034	25.5	581	15.29	<0.02	2.22	2.4	1.2	19.5	0.04	3.1	0.002	<0.02	0.9	32	<0.1	92.2
245	KW43+00N 02+75E	6	0.2	0.87	11.7	366.0	0.20	0.19	0.16	8.4	13.5	26.3	2.32	3.7	80	0.05	18.5	0.30	269	1.78	0.031	25.4	568	13.26	<0.02	2.14	2.6	1.1	21.0	0.04	3.2	0.002	<0.02	0.9	30	<0.1	91.9
246	KW43+00N 03+00E	9	0.2	0.67	12.5	208.5	0.18	0.15	0.36	9.5	11.0	25.2	2.26	3.2	45	0.06	14.5	0.20	413	1.70	0.034	19.5	513	11.45	<0.02	2.46	1.1	0.8	17.0	0.04	0.5	0.003	0.10	0.4	32	<0.1	91.8
247	KW43+00N 03+25E	7	0.2	0.89	9.3	326.5	0.14	0.25	0.13	7.4	14.0	20.8	2.12	3.8	60	0.06	16.5	0.31	163	1.57	0.029	19.0	601	10.41	<0.02	1.90	2.2	0.9	22.5	0.04	2.6	0.002	0.08	0.7	34	<0.1	73.3
248	KW43+00N 03+50E	12	0.2	0.81	4.7	266.5	0.10	0.57	0.70	4.1	12.5	14.4	1.14	2.7	95	0.04	8.5	0.26	273	0.37	0.038	12.3	461	6.87	0.06	0.74	1.9	1.3	51.0	0.02	1.3	0.002	0.08	2.4	24	<0.1	48.7
249	KW43+00N 03+75E	21	0.7	0.86	5.1	374.5	0.08	1.24	1.03	6.3	8.0	35.4	1.25	2.2	140	0.03	9.5	0.21	390	0.84	0.054	20.0	1054	4.92	0.10	1.36	1.4	3.3	73.0	0.04	0.6	0.006	0.08	5.4	18	<0.1	29.6
250	KW43+00N 04+00E	5	0.2	0.84	8.2	214.5	0.14	0.14	0.20	6.2	12.5	12.5	1.75	3.9	40	0.05	12.0	0.30	141	1.33	0.037	13.5	353	8.08	<0.02	1.12	1.5	0.6	14.5	0.04	1.8	0.003	0.10	0.4	36	<0.1	62.9
251	KW43+00N 04+25E	4	0.1	0.84	9.2	118.5	0.14	0.09	0.29	4.5	10.0	11.1	1.72	4.1	35	0.05	10.5	0.13	184	1.51	0.032	9.3	322	7.84	<0.02	1.22	0.8	0.4	13.0	0.04	0.9	0.004	0.08	0.3	40	<0.1	64.3
252	KW43+00N 04+50E N/S																																				
253	KW43+00N 04+75E N/S																																				
254	KW43+00N 05+00E N/S																																				
255	KW43+00N 05+25E N/S																																				

ECO TECH LABORATORY LTD. — ICP CERTIFICATE OF ANALYSIS AW 2010- 8075 — TerraLogic Exploration Inc.

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
256	KW43+00N 05+50E	9	0.3	1.09	9.6	401.5	0.26	1.08	1.40	10.1	20.0	31.1	2.09	4.4	95	0.07	16.0	0.50	395	0.91	0.033	24.8	902	17.56	0.08	1.62	4.1	2.3	65.5	0.06	3.6	0.006	0.10	2.3	40	<0.1	127.2
257	KW43+00N 05+75E N/S																																				
258	KW43+00N 06+00E	4	0.1	0.89	18.8	254.5	0.18	0.28	0.32	9.0	14.5	25.4	2.72	3.7	30	0.05	12.5	0.34	361	1.91	0.027	19.6	625	14.52	<0.02	1.88	1.7	0.8	25.0	0.04	1.2	0.004	0.10	0.6	40	<0.1	100.2
259	KW43+00N 06+25E	7	0.5	0.97	15.0	436.0	0.20	0.70	0.77	10.6	16.5	38.0	2.27	3.5	105	0.06	15.5	0.38	503	1.44	0.041	29.2	966	13.51	0.04	1.70	3.2	2.1	44.5	0.06	1.7	0.007	0.12	2.9	38	<0.1	86.3
260	KW43+00N 06+50E	3	0.1	0.76	9.8	213.5	0.12	0.15	0.22	4.8	10.5	20.3	1.70	3.2	30	0.05	10.5	0.19	154	1.83	0.031	13.9	404	6.39	<0.02	1.08	1.1	0.6	15.5	0.02	1.0	0.002	0.08	0.4	30	<0.1	57.0
261	KW43+00N 06+75E	10	0.1	0.91	13.8	296.0	0.16	0.25	0.28	8.4	15.5	26.6	2.42	4.0	45	0.06	18.5	0.36	323	1.67	0.027	21.4	768	9.86	<0.02	1.88	2.1	0.9	24.0	0.06	3.1	0.005	0.06	0.7	36	<0.1	88.3
262	KW43+00N 07+00E	7	0.6	1.06	8.8	727.0	0.24	0.73	0.49	5.5	17.5	30.5	1.85	4.1	90	0.08	13.5	0.25	256	0.97	0.037	16.5	1040	13.86	0.04	0.80	2.4	1.0	47.5	0.04	1.5	0.003	0.08	1.2	36	<0.1	48.1
263	KW43+00N 07+25E	5	0.2	0.84	19.0	306.0	0.16	0.27	0.30	8.3	14.0	38.9	2.36	3.5	55	0.05	18.0	0.31	310	1.93	0.036	23.2	588	12.02	<0.02	2.04	2.7	1.2	22.5	0.04	3.0	0.003	0.06	0.7	34	<0.1	96.7
264	KW43+00N 07+50E	6	0.1	0.87	23.6	208.0	0.12	0.15	0.36	6.6	12.5	19.9	2.26	3.3	35	0.05	12.5	0.22	255	1.70	0.035	18.2	644	9.76	<0.02	1.84	1.6	0.9	15.5	0.06	2.0	0.002	0.08	0.6	36	<0.1	86.0
265	KW43+00N 07+75E	6	0.1	0.78	16.1	258.0	0.14	0.18	0.37	7.4	11.5	23.5	1.96	3.2	45	0.05	14.0	0.23	271	1.85	0.037	18.8	619	9.87	<0.02	1.86	1.1	0.9	19.0	0.04	0.6	0.002	0.06	0.6	34	<0.1	82.2
266	KW43+00N 08+00E	4	0.1	0.95	15.5	326.5	0.14	0.18	0.35	6.5	13.0	19.4	1.99	3.7	35	0.06	13.0	0.22	227	1.60	0.026	15.3	477	8.11	<0.02	1.50	1.5	0.7	16.5	0.04	1.2	0.002	0.08	0.6	38	<0.1	83.8
267	KW43+00N 08+25E	4	0.2	0.99	10.0	392.5	0.16	0.36	0.28	8.6	17.5	29.6	2.24	4.1	55	0.06	19.0	0.38	201	1.48	0.026	26.0	832	8.22	<0.02	1.50	3.4	1.1	29.0	0.04	4.0	0.006	0.06	1.1	36	<0.1	93.8
268	KW43+00N 08+50E	6	0.4	1.30	11.8	468.5	0.20	0.75	0.63	12.5	20.5	44.0	2.85	4.7	75	0.10	18.5	0.47	391	2.28	0.034	36.5	947	11.22	0.04	2.20	3.8	1.4	44.5	0.06	4.1	0.002	0.10	1.1	50	<0.1	124.2
269	KW43+00N 08+75E	4	0.2	1.04	8.5	350.0	0.16	0.22	0.18	7.8	17.5	29.7	2.33	4.2	60	0.08	17.0	0.38	211	1.79	0.035	23.9	648	7.26	<0.02	1.50	2.5	1.0	24.0	0.06	3.6	0.002	0.04	0.8	38	<0.1	84.5
270	KW43+00N 09+00E	3	0.1	0.73	33.6	431.5	0.12	0.37	0.33	6.5	11.0	18.6	1.80	3.3	25	0.06	12.0	0.21	319	2.46	0.035	15.8	444	6.31	0.02	1.94	1.1	0.8	26.0	0.04	0.9	0.002	0.06	0.6	36	<0.1	75.9
271	KW43+00N 09+25E	3	0.1	0.67	28.1	202.5	0.12	0.13	0.32	7.1	9.5	14.5	1.80	3.4	15	0.06	12.5	0.16	306	1.73	0.035	12.4	319	7.83	<0.02	1.50	0.4	0.5	13.0	0.04	0.2	0.002	0.06	0.4	32	<0.1	64.0
272	KW43+00N 09+50E	4	0.1	0.79	42.0	243.5	0.12	0.22	0.40	7.3	14.0	19.7	2.42	3.7	25	0.06	18.0	0.28	237	2.62	0.028	20.5	686	9.50	<0.02	2.82	1.8	1.2	19.0	0.04	2.0	0.003	0.06	0.7	36	<0.1	110.6
273	KW43+00N 09+75E	8	0.2	0.84	115.8	254.0	0.20	0.27	0.57	10.8	13.5	27.5	2.95	3.8	25	0.08	18.0	0.28	410	3.63	0.032	28.4	788	14.05	0.02	5.86	2.2	1.4	26.0	0.08	2.3	0.001	0.08	0.8	42	<0.1	158.4
274	KW43+00N 10+00E	3	0.3	0.90	32.5	200.5	0.12	0.06	0.44	9.4	10.5	10.5	1.71	4.2	15	0.06	16.0	0.17	390	1.74	0.036	10.7	397	6.82	<0.02	1.70	0.9	0.5	11.5	0.04	0.7	0.002	0.08	0.3	34	<0.1	68.5
275	KW43+00N 10+25E	5	0.2	0.93	86.1	123.0	0.20	0.03	0.42	6.1	14.5	16.8	3.32	4.7	20	0.06	15.5	0.18	197	3.08	0.033	17.6	602	13.20	<0.02	4.10	1.5	1.0	10.5	0.10	1.9	0.002	0.12	0.4	54	<0.1	115.0
276	KW43+00N 10+50E	3	0.1	1.69	24.5	222.0	0.08	0.12	0.19	6.5	12.5	11.0	4.50	8.0	20	0.09	14.5	0.25	376	1.74	0.039	6.4	540	13.87	0.02	1.56	3.1	0.4	10.0	0.04	2.9	0.001	0.06	0.6	58	<0.1	81.1
277	KW43+00N 10+75E	3	0.1	1.33	37.5	152.0	0.18	0.04	0.43	8.3	17.0	25.1	3.26	4.2	25	0.06	13.0	0.25	307	3.14	0.035	22.7	1065	12.17	<0.02	4.38	2.1	1.2	13.5	0.06	2.5	0.001	0.14	0.5	54	<0.1	140.0
278	KW43+00N 11+00E	4	0.2	1.09	22.4	262.5	0.18	0.12	0.34	11.3	17.0	31.0	2.82	3.9	40	0.06	18.0	0.30	363	2.40	0.037	26.7	609	20.85	<0.02	2.66	2.5	1.3	17.0	0.06	3.3	0.002	0.08	0.7	40	<0.1	111.0
279	KW43+00N 11+25E	5	0.2	1.09	154.0	166.5	0.16	0.04	0.29	9.1	14.0	20.3	3.03	3.6	25	0.05	14.0	0.23	314	1.92	0.026	18.0	376	12.36	<0.02	2.64	1.6	1.1	9.0	0.06	3.1	0.001	0.06	0.4	36	<0.1	86.7
280	KW43+00N 11+50E	2	0.1	0.68	67.7	73.5	0.08	0.03	0.53	6.6	6.5	10.3	5.22	5.9	15	0.06	19.0	0.06	391	3.81	0.034	4.3	470	13.05	<0.02	15.84	1.7	0.9	4.0	<0.02	2.9	0.004	0.20	0.6	38	<0.1	80.1
281	KW43+00N 11+75E N/S																																				
282	KW43+00N 12+00E	5	0.2	1.07	12.3	382.0	0.22	0.31	0.71	11.6	19.0	32.8	3.01	4.3	60	0.07	22.0	0.33	643	3.32	0.022	25.3	808	14.77	<0.02	2.08	3.1	1.4	27.5	0.08	3.6	0.001	0.10	1.4	54	<0.1	119.2
283	KW43+00N 00+25W N/S																																				
284	KW43+00N 00+50W	9	1.3	0.95	7.8	246.5	0.10	0.47	0.46	6.5	9.5	41.0	1.45	3.0	115	0.07	12.5	0.16	297	1.28	0.044	30.3	837	4.89	0.04	1.60	2.9	1.4	35.0	0.04	0.8	0.003	0.16	1.9	26	<0.1	66.4
285	KW43+00N 00+75W	4	0.3	0.77	10.9	257.0	0.14	0.29	0.38	8.5	11.5	21.7	1.88	3.1	55	0.07	11.5	0.22	642	1.78	0.029	22.8	584	8.18	<0.02	2.16	1.9	0.7	28.5	0.04	1.1	0.003	0.08	0.8	36	<0.1	86.4
286	KW43+00N 01+00W	3	0.2	0.91	18.0	249.5	0.22	0.21	0.83	14.4	23.5	30.8	2.70	3.7	50	0.07	11.0	0.30	498	2.33	0.023	31.6	923	11.45	<0.02	2.44	2.9	0.9	26.0	0.08	2.8	0.020	0.14	0.8	52	<0.1	147.8
287	KW43+00N 01+25W	5	0.4	1.02	13.7	338.0	0.24	0.46	0.50	9.7	20.5	36.7	2.36	3.9	110	0.09	13.0	0.30	325	2.19	0.030	29.6	684	10.95	<0.02	2.54	2.7	1.1	36.0	0.06	1.5	0.005	0.12	1.0	52	<0.1	114.6
288	KW43+00N 01+50W	6	0.6	1.11	15.0	515.5	0.24	0.62	0.66	10.0	17.5	45.7	2.42	4.0	135	0.11	14.5	0.28	508	2.40	0.031	37.5	777	12.75	0.02	3.08	3.1	1.2	46.0	0.06	1.8	0.002	0.12	1.3	50	<0.1	117.1
289	KW43+00N 01+75W	5	0.2	1.24	11.4	391.5	0.22	0.27	1.65	12.9	20.0	22.9	2.20	4.3	85	0.07	13.5	0.26	718	1.96	0.029	26.4	732	13.68	<0.02	2.10	2.7	0.9	30.0	0.06	1.8	0.002	0.08	1.0	56	<0.1	98.1
290	KW43+00N 02+00W	4	0.6	0.99	15.4	487.0	0.24	0.67	1.65	16.8	24.0	56.8	3.05	3.5	170	0.11	10.5	0.32	516	3.33	0.028	60.2	789	15.94	<0.02	3.20	4.1	1.8	49.5	0.08	2.6	0.013	0.24	1.3	68	<0.1	205.6
291	KW43+00N 02+25W	3	0.3	0.93	15.7	320.0	0.22	0.62	1.01	9.6	15.5	32.6	2.47	3.1	105	0.14	16.0	0.30	539	2.30	0.041	29.2	767	13.12	<0.02	3.08	2.5	1.1	39.5	0.06	1.8	0.008	0.14	1.2	44	0.2	138.9
292	KW43+00N 02+50W N/S																																				
293	KW43+00N 02+75W	3	0.2	1.53	30.1	201.0	0.22	0.57	0.59	19.2	20.5	33.0	3.38	5.2	40	0.08	25.0	0.62	504	2.05	0.029	40.7	796	16.40	0.02	2.90	4.0	1.8	40.0	0.06	3.4	0.001	0.12	1.1	42	<0.1	187.8
294	KW43+00N 03+00W	3	0.4	1.74	28.9	308.5	0.28	0.30	0.64	19.5	24.5	38.4	3.66	5.7	65	0.12	28.0	0.64	640	2.38	0.025	43.9	819	16.03	0.02	3.14	4.6	1.9	31.5	0.06	4.3	0.001	0.12	1.2	52	<0.1	207.7
295	KW43+00N 03+25W	4	0.3	1.17	20.1	182.0	0.16	0.77	0.65	7.4	16.0	34.5	2.46	3.9	50	0.07	18.0	0.47	203	1.36	0.027	41.0	684	9.23	0.04	2.68	2.8	1.8	53.5	0.06	2.4	0.002	0.12	0.9	36	<0.1	167.5
296	KW43+00N 03+50W N/S																																				
297	KW43+00N 03+75W	3	0.3	0.99	27.2	380.0	0.18	0.43	0.55	11.7	17.0	37.5	3.14	4.1	60	0.09	23.0	0.39	411	2.52	0.024	32.6	885	13.80	<0.02	4.70	4.0	2.1	34.0	0.04	5.5	0.003	0.06	0.7	44	<0.1	139.3
298	KW43+00N 04+00W	5	0.5	1.24	109.5	512.0	0.22	1.90	6.08	106.8	16.0	61.1	7.46	4.7	85	0.10	21.5	0.38	>10000	11.27	0.031	183.6	781	12.08	0.08	5.80	3.3	4.2	135.0	0.10	2.2	0.001	0.48	1.0	50	<0.1	340.2

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
QC DATA:																																				
Repeat:																																				
3	KW39+00N 00+50E	3	0.2	0.79	15.0	224.0	0.20	0.28	0.30	6.2	13.0	31.9	2.40	3.0	55	0.05	22.0	0.34	216	1.65	0.033	22.1	819	13.12	<0.02	2.32	2.6	1.1	26.0	0.04	4.9	0.007	0.08	0.8	30	0.3	93.2
10	KW39+00N 02+25E	2	0.1	1.15	14.1	149.0	0.22	0.05	0.17	7.0	15.0	17.1	3.10	4.2	10	0.05	18.0	0.31	221	1.86	0.032	17.3	255	15.62	<0.02	1.96	1.6	0.6	9.0	0.06	3.4	0.003	0.10	0.4	44	0.2	70.5
19	KW39+00N 04+50E	2	0.3	0.89	6.8	254.0	0.12	0.10	0.35	7.6	9.5	29.6	1.50	2.5	45	0.05	6.0	0.12	265	1.06	0.043	13.3	522	10.69	<0.02	0.60	0.8	0.4	21.0	0.02	0.4	0.003	0.08	0.9	24	0.1	37.0
28	KW39+00N 06+75E	1	0.1	1.11	20.6	142.0	0.24	0.06	0.39	7.3	17.5	16.5	3.83	5.0	10	0.06	23.0	0.30	259	2.80	0.030	20.3	599	17.04	<0.02	5.50	1.6	0.7	12.0	0.06	2.2	0.002	0.12	0.3	56	0.2	128.3
43	KW39+00N 10+50E	3	0.2	0.78	12.2	253.0	0.16	0.18	0.33	6.7	12.5	29.3	2.10	2.8	50	0.04	20.0	0.30	256	1.48	0.033	21.6	601	11.85	<0.02	1.86	2.3	0.9	18.5	0.04	3.8	0.005	0.08	0.8	30	0.2	79.9
54	KW39+00N 01+25W	3	0.4	0.97	22.7	223.5	0.16	0.31	0.63	9.0	17.5	40.5	3.00	3.2	55	0.08	12.0	0.47	377	2.74	0.036	23.9	965	13.75	0.02	3.72	2.2	1.1	40.0	0.06	2.3	0.002	0.16	0.8	54	0.2	115.3
63	KW40+00N 02+00E	3	0.2	1.21	15.2	261.0	0.22	0.18	0.45	12.9	17.5	34.0	2.95	3.9	50	0.09	20.0	0.38	767	1.90	0.036	25.0	710	17.23	<0.02	2.02	2.5	1.0	22.0	0.06	4.5	0.006	0.12	0.9	42	0.2	100.4
71	KW40+00N 04+00E	4	0.2	0.78	5.7	204.0	0.14	0.18	0.15	3.9	11.5	16.0	1.45	3.1	75	0.06	11.5	0.27	97	1.04	0.041	20.3	593	11.20	<0.02	0.88	1.6	1.1	20.5	0.02	2.0	0.006	0.08	0.7	26	0.1	52.8
81	KW40+00N 06+50E	3	0.2	0.90	11.4	254.5	0.18	0.29	0.53	8.1	14.5	28.6	2.34	3.8	100	0.06	20.5	0.37	279	1.57	0.033	24.0	806	11.58	<0.02	1.96	2.9	1.3	27.0	0.04	4.0	0.006	0.10	1.2	32	0.1	100.7
89	KW40+00N 08+50E	1	0.1	1.06	12.7	170.0	0.20	0.03	0.51	7.5	15.5	16.3	2.92	4.9	25	0.06	20.5	0.27	246	2.12	0.029	23.9	282	12.22	<0.02	3.34	1.6	0.7	8.0	0.04	3.1	0.003	0.10	0.4	44	0.1	126.7
98	KW40+00N 10+75E	2	0.1	1.19	15.7	177.5	0.20	0.09	0.31	6.7	16.0	26.5	3.19	3.9	35	0.06	12.5	0.32	243	2.04	0.039	22.7	631	15.49	<0.02	2.10	1.7	0.8	14.5	0.06	2.5	0.003	0.14	0.6	44	0.3	91.4
107	KW40+00N 01+00W	2	0.2	1.06	17.3	158.5	0.14	0.14	0.21	12.0	16.5	31.7	2.66	3.7	45	0.05	19.5	0.41	259	2.46	0.040	28.0	425	15.72	<0.02	2.80	2.1	0.8	20.0	0.04	3.8	0.003	0.12	0.6	44	0.2	110.0
115	KW41+00N 00+75E	2	0.2	0.89	27.3	334.0	0.22	0.16	0.56	8.3	15.5	39.1	3.25	3.6	45	0.06	28.5	0.29	230	3.93	0.035	31.5	695	16.30	<0.02	5.74	2.9	2.2	17.0	0.04	4.1	0.003	0.10	1.1	50	0.2	146.0
124	KW41+00N 03+00E	1	0.1	0.60	17.6	139.5	0.20	0.08	0.22	6.5	9.5	20.0	2.63	3.0	15	0.04	17.0	0.17	183	2.00	0.035	18.2	367	14.92	<0.02	3.50	1.3	0.8	12.5	0.04	1.9	0.006	0.08	0.4	36	0.2	77.8
133	KW41+00N 05+25E	1	0.3	0.63	24.5	94.0	0.30	0.08	0.27	11.6	13.0	18.7	3.69	3.7	20	0.05	14.0	0.20	601	2.73	0.034	15.8	398	25.44	<0.02	3.18	1.2	0.8	11.5	0.06	2.3	0.007	0.10	0.4	40	0.2	95.1
142	KW41+00N 07+50E	8	0.5	1.17	8.0	329.0	0.14	1.12	1.39	7.1	13.0	28.6	1.86	3.5	135	0.07	10.5	0.31	392	1.02	0.053	25.6	727	10.12	0.18	1.76	2.1	1.7	82.0	0.02	1.8	0.002	0.14	1.4	30	0.1	154.6
150	KW41+00N 09+50E	4	0.1	1.50	14.4	307.5	0.24	0.09	0.41	13.0	18.5	38.8	3.01	4.5	40	0.06	16.5	0.40	417	2.07	0.036	27.0	456	13.29	0.02	2.34	2.3	0.9	16.0	0.04	4.9	0.002	0.10	0.7	42	0.2	100.1
159	KW41+00N 11+75E	1	0.1	0.84	8.2	196.0	0.14	0.09	0.20	6.8	10.5	13.8	1.78	3.3	25	0.05	10.0	0.21	324	1.03	0.039	12.2	365	9.38	0.02	1.04	0.9	0.5	12.5	0.02	0.6	0.005	0.06	0.4	30	0.1	57.3
168	KW41+00N 02+00W	2	0.5	0.90	18.3	375.5	0.24	0.49	1.09	10.8	14.5	39.3	2.62	3.6	135	0.09	14.0	0.36	449	2.81	0.039	34.9	763	13.85	0.08	3.78	3.0	2.2	46.5	0.04	3.2	0.004	0.12	1.5	42	0.2	157.1
176	KW42+00N 01+25E	2	<0.1	0.88	25.7	269.0	0.16	0.17	0.27	8.3	13.0	23.8	2.96	3.0	30	0.04	14.5	0.27	491	2.33	0.030	21.8	578	15.99	0.04	2.98	1.5	1.2	24.5	0.04	2.0	0.003	0.06	0.7	30	<0.1	117.3
185	KW42+00N 03+50E	2	0.1	0.70	13.1	245.0	0.18	0.14	0.21	6.3	11.5	24.6	2.29	3.7	40	0.04	23.0	0.26	206	1.90	0.031	21.6	565	11.52	0.02	2.86	1.9	1.3	18.5	0.02	3.8	0.003	0.04	0.7	28	<0.1	93.6
194	KW42+00N 05+75E	1	<0.1	0.96	10.4	210.0	0.10	0.10	0.37	7.1	4.5	8.0	2.25	3.4	10	0.07	23.0	0.04	236	1.06	0.030	7.6	240	13.07	0.02	2.26	1.2	0.6	13.0	<0.02	5.6	0.001	0.06	0.6	18	<0.1	82.4
203	KW42+00N 08+00E	1	0.1	0.74	14.2	299.5	0.14	0.11	0.24	5.0	10.0	12.1	1.62	3.7	20	0.04	15.5	0.21	164	1.16	0.033	11.3	348	8.32	0.02	1.28	1.1	0.6	14.5	0.02	1.3	0.004	0.06	0.5	28	0.1	55.9
211	KW42+00N 10+00E	3	0.3	0.89	9.1	348.0	0.18	0.27	0.33	7.1	13.0	33.9	2.11	3.3	85	0.05	15.5	0.29	289	1.28	0.039	21.3	762	15.59	<0.02	1.26	2.3	0.9	27.5	0.04	2.7	0.005	0.04	0.9	28	<0.1	85.2
220	KW42+00N 00+25W	2	0.4	0.88	12.7	261.0	0.18	0.17	0.26	7.9	14.0	28.9	2.30	3.9	45	0.05	21.0	0.32	209	1.60	0.032	23.9	614	13.79	<0.02	2.64	2.3	1.1	22.5	0.04	4.0	0.003	<0.02	0.8	28	<0.1	90.6
230	KW42+00N 02+75W	3	0.3	1.16	21.7	186.0	0.20	0.46	0.66	9.9	13.5	25.7	2.44	3.9	45	0.05	18.5	0.44	385	1.63	0.038	27.7	690	24.74	0.02	1.96	2.6	1.4	37.5	0.02	2.2	0.004	0.02	1.1	36	<0.1	149.8
238	KW43+00N 01+00E	2	0.4	0.92	7.7	395.0	0.14	0.58	0.80	10.5	13.0	27.9	1.81	3.1	85	0.05	8.0	0.19	1952	1.54	0.041	24.9	1191	8.44	0.06	1.58	1.7	1.0	48.0	0.02	1.1	0.003	0.06	1.4	34	<0.1	78.9
246	KW43+00N 03+00E	4	0.1	0.69	13.4	215.5	0.18	0.15	0.38	10.2	11.5	26.6	2.31	3.5	40	0.06	15.5	0.22	432	1.78	0.036	20.6	530	11.02	<0.02	2.60	1.2	0.8	18.5	0.04	0.5	0.003	0.06	0.5	34	<0.1	94.2
256	KW43+00N 05+50E	6	0.3	1.07	8.7	396.5	0.20	1.04	1.13	9.1	18.5	29.3	1.98	3.5	90	0.05	14.5	0.48	377	0.72	0.031	23.8	862	16.40	0.06	1.26	3.4	1.9	65.5	0.04	3.0	0.004	0.08	1.8	38	<0.1	120.7
264	KW43+00N 07+50E	4	0.1	0.84	22.6	200.5	0.12	0.14	0.34	6.2	12.5	18.7	2.18	3.2	30	0.05	12.5	0.21	247	1.66	0.025	17.6	620	9.05	<0.02	1.74	1.5	0.9	15.5	0.04	2.0	0.002	0.08	0.6	34	<0.1	81.8
273	KW43+00N 09+75E	8	0.2	0.88	123.1	258.5	0.22	0.28	0.62	11.2	14.5	28.2	3.01	4.0	30	0.08	19.0	0.30	432	3.82	0.034	29.8	807	15.39	0.02	6.34	2.2	1.6	28.0	0.08	2.5	0.002	0.10	0.8	44	<0.1	163.2
282	KW43+00N 12+00E	3	0.2	1.07	12.2	381.0	0.20	0.31	0.70	11.5	18.5	32.6	3.01	4.3	50	0.07	22.0	0.33	632	3.23	0.026	24.7	802	14.47	<0.02	1.94	3.0	1.4	27.5	0.06	3.5	0.001	0.08	1.4	54	<0.1	117.6
290	KW43+00N 02+00W	4	0.6	1.03	17.4	499.5	0.26	0.70	1.80	17.9	26.5	58.4	3.15	4.2	180	0.13	12.5	0.36	533	3.79	0.030	61.4	820	17.17	0.02	3.48	4.9	2.0	51.0	0.08	3.2	0.014	0.26	1.4	70	<0.1	210.2
Standard:																																				
OXE74		626	0.7	1.63	1.2	73.0	<0.02	0.85	0.04	22.9	54.0	30.9	3.26	6.3	5	0.48	14.5	1.42	485	1.92	0.719	82.8	995	6.69	0.02	0.04	1.3	0.3	187.5	0.02	1.8	0.404	0.06	0.6	60	0.3	42.3
OXE74		615	0.6	1.70	1.2	68.0	<0.02	0.82	0.04	22.0	52.5	30.3	3.21	6.1	5	0.44	13.5	1.49	492	1.89	0.722	79.3	987	5.85	0.02	0.04	1.3	0.2	183.0	0.04	1.9	0.414	0.04	0.5	52	0.2	44.6
OXE74		623	0.6	1.64	1.3	72.0	<0.02	0.80	0.04	23.3	55.0	31.0	3.22	6.4	5	0.47	14.0	1.39	496	1.87	0.708	81.2	993	6.06	0.02	0.02	1.3	0.2	185.5	0.04	1.9	0.406	0.04	0.6	56	0.2	43.3
OXE74		622	0.6	1.70	1.2	71.0	<0.02	0.82	0.05	22.8	53.5	29.1	3.28	6.4	5	0.46	14.0	1.44	486	1.91	0.705	81.9	1057	6.84	0.02	0.02	1.2	0.2	182.0	0.04	1.9	0.391	0.04	0.6	60	0.2	41.6
OXE74		616	0.6	1.60	1.2	65.0	<0.02	0.85	0.03	21.8	55.0	28.9	3.21	6.5	5	0.47	12.0	1.48	475	1.90	0.709	74.0	1001	4.94	0.06	0.04	1.2	0.3	181.0	0.02	1.7	0.408	0.04	0.5	52	0.3	44.2
OXE74		623	0.6	1.67	1.2	67.5	<0.02	0.82	0.04	23.1	56.5	27.7	3.20	6.3	5	0.44	13.0	1.52	467	1.86	0.719	75.7	1007	5.70	0.06	0.04	1.2	0.3	183.0	0.02	1.8	0.400	0.02	0.6	54	0.3	42.8
OXE74		618	0.6	1.72	0.9	71.0	<0.02	0.80	0.02	24.5	57.5	28.5	3.27	6.5	5	0.42	12.5	1.52	480	1.95	0.720	76.8	1022	6.25	0.02	0.02	1.2	0.2	180.5	0.02	1.7	0.409	0.02	0.6	52	0.3	43.7
OXE74		618	0.6	1.68	1.1	68.0	<0.02	0.84	0.02	22.7	53.5	27.0	3.27	6.2	5	0.46	13.0	1.46	472	1.92	0.709	78.3	1051	5.96	0.02	0.02	1.4	0.2	184.5	0.06	1.6	0.417	0.02	0.5	60	0.3	45.7
OXE74		623	0.6	1.74	0.9	70.5	<0.02	0.81	0.02	23.5	56.5	27.2	3.27	6.4	5	0.45	14.0	1.39	486	1.88	0.707	83.6	988	5.88	0.02	0.02	1.2	0.3	186.5	0.06	1.8	0.396	0.02	0.5	58	0.3	43.2

Aqua Regia Digest/ICPMS Finish

NM/nw
df/msr8075AuAS/msr8075AuBS/msr8075AuCS/msr8075AuDS/msr8075AuES
XLS/10

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

25-Aug-10

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2010- 8071

TerraLogic Exploration Inc.
#200, 44-12th Ave S.
Cranbrook, BC
V1A 2R7

No. of samples received: 187
Sample Type: Soil
Project: Kiwi
Shipment #: KW10-002
Submitted by: Aaron Higgs

Values in ppm unless otherwise reported

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	KW35+00N04+50EN/S																																			
2	KW35+00N04+75EN/S																																			
3	KW35+00N05+00E	3	0.1	0.90	16.6	307.0	0.18	0.54	0.76	8.9	15.0	32.0	2.52	4.0	55	0.08	17.0	0.34	326	2.38	0.034	27.0	836	12.76	0.06	2.62	3.1	1.4	37.5	0.04	3.3	0.004	0.10	1.1	38	0.2	113.4
4	KW35+00N05+25E	7	0.4	1.02	18.4	357.0	0.22	0.68	0.96	10.1	16.0	32.8	2.68	4.3	100	0.10	18.5	0.38	876	2.28	0.034	33.7	944	13.52	0.06	2.52	3.1	1.3	45.5	0.06	4.0	0.005	0.14	0.7	40	0.2	140.0
5	KW35+00N05+50E	6	0.4	0.95	22.2	256.0	0.22	0.50	0.88	10.6	15.5	34.9	2.82	4.2	80	0.09	19.5	0.38	418	2.58	0.031	31.2	866	15.05	0.06	2.86	3.1	1.3	35.5	0.06	4.4	0.005	0.14	0.8	40	0.2	150.0
6	KW35+00N05+75E	2	0.2	1.55	16.5	338.5	0.22	0.41	0.71	10.7	20.5	23.0	3.35	5.6	50	0.07	21.5	0.46	246	2.49	0.029	32.5	400	14.76	0.04	3.48	2.8	0.9	26.5	0.04	3.2	0.001	0.16	0.7	50	0.1	136.3
7	KW35+00N06+00E	3	0.2	0.82	7.1	204.0	0.10	1.22	0.43	5.0	8.0	17.0	1.52	3.3	80	0.04	8.5	0.21	629	0.71	0.039	13.0	940	7.00	0.12	0.92	1.1	1.0	71.0	0.04	0.7	0.013	0.10	1.4	30	0.1	91.1
8	KW35+00N06+25EN/S																																			
9	KW35+00N06+50EN/S																																			
10	KW35+00N06+75E	2	2.3	0.90	16.5	187.5	0.16	0.79	0.30	6.5	13.0	20.2	2.30	3.8	45	0.06	13.0	0.35	455	1.48	0.038	16.6	982	11.29	0.08	1.52	1.9	1.0	54.5	0.04	2.2	0.007	0.10	1.1	34	0.2	111.0
11	KW35+00N07+00E	3	0.2	0.88	12.6	220.5	0.16	0.55	0.32	6.3	12.5	27.1	2.04	4.0	55	0.06	20.0	0.34	243	1.53	0.038	20.7	960	9.45	0.04	1.74	2.6	1.1	41.5	0.04	3.7	0.009	0.08	0.8	30	0.1	83.8
12	KW35+00N07+25EN/S																																			
13	KW35+00N07+50EN/S																																			
14	KW35+00N07+75E	3	0.2	1.15	21.5	217.5	0.20	0.41	0.24	9.5	17.0	26.0	2.82	4.9	105	0.06	23.0	0.41	527	1.85	0.034	22.8	841	14.62	0.04	1.70	3.6	1.3	29.0	0.04	4.2	0.006	0.12	1.1	38	0.2	87.5
15	KW35+00N08+00EN/S																																			
16	KW35+00N08+25E	2	0.1	0.50	19.4	63.5	0.28	0.02	0.13	3.6	9.0	25.7	1.99	4.2	25	0.04	16.0	0.12	99	1.72	0.027	11.3	341	10.18	<0.02	1.92	1.4	0.6	6.0	0.04	3.3	0.008	0.12	0.4	38	0.2	74.1
17	KW35+00N08+50E	2	0.1	1.30	14.2	135.5	0.18	0.06	0.19	6.4	15.0	21.6	2.51	4.4	35	0.04	15.0	0.27	166	1.40	0.029	16.6	386	13.71	<0.02	1.38	1.9	0.5	8.5	0.04	4.2	0.003	0.12	0.5	36	0.1	61.7
18	KW35+00N08+75E	2	0.2	1.06	12.0	180.0	0.16	0.34	0.20	5.3	13.0	16.3	2.49	4.7	25	0.04	13.0	0.22	222	1.33	0.037	11.1	447	9.24	0.02	1.22	1.2	0.5	17.0	0.04	1.8	0.005	0.10	0.4	40	0.1	52.8
19	KW35+00N09+00E	1	0.2	1.42	13.2	89.0	0.18	0.03	0.11	4.0	14.5	14.8	2.77	5.3	40	0.04	13.5	0.19	119	1.45	0.026	10.3	243	13.43	<0.02	1.28	1.4	0.5	5.5	0.14	3.5	0.003	0.12	0.4	46	0.2	49.4
20	KW35+00N09+25EN/S																																			
21	KW35+00N09+50E	3	0.4	1.41	17.5	398.0	0.24	0.70	0.41	10.8	19.0	40.6	3.05	5.2	120	0.07	18.5	0.43	612	2.06	0.031	27.6	837	18.09	0.06	2.12	3.3	1.1	48.0	0.06	3.4	0.004	0.14	1.3	44	0.2	118.9
22	KW35+00N09+75E	3	0.1	0.95	11.7	195.0	0.18	0.30	0.23	6.8	14.5	19.6	2.18	4.3	55	0.05	19.0	0.34	223	1.33	0.029	18.6	633	11.09	0.02	1.42	1.9	0.8	25.0	0.04	4.4	0.007	0.10	0.7	32	0.2	72.6
23	KW35+00N10+00E	2	0.1	1.00	8.5	179.5	0.16	0.32	0.20	7.4	13.5	20.5	1.94	3.6	35	0.05	11.0	0.29	225	1.09	0.041	16.0	429	11.79	0.04	0.92	1.3	0.6	22.0	0.04	2.7	0.004	0.10	0.6	26	0.1	63.4
24	KW35+00N10+25E	3	0.2	1.18	12.3	268.5	0.16	0.31	0.25	8.3	14.5	23.6	2.31	4.4	50	0.06	15.5	0.30	382	1.26	0.033	20.1	616	12.26	0.04	1.42	1.8	0.9	28.0	0.04	2.9	0.004	0.10	0.9	32	0.1	73.6
25	KW35+00N10+50E	2	0.1	1.24	11.6	232.0	0.20	0.18	0.21	6.7	16.5	23.3	2.73	4.8	50	0.06	15.5	0.31	234	1.36	0.033	19.6	505	12.65	<0.02	1.22	1.6	0.6	16.5	0.04	2.5	0.003	0.12	0.6	36	0.2	78.2
26	KW35+00N10+75EN/S																																			
27	KW35+00N11+00E	1	0.1	1.23	14.4	245.0	0.24	0.14	0.19	6.7	15.5	16.6	2.58	5.3	55	0.05	20.5	0.26	260	1.61	0.028	16.7	366	15.10	<0.02	1.40	1.6	0.8	15.5	0.12	4.4	0.004	0.14	0.7	40	0.2	65.6
28	KW35+00N11+25E	2	0.1	0.94	15.6	195.5	0.22	0.20	0.33	9.5	14.5	25.6	2.57	4.4	50	0.06	19.0	0.30	435	1.76	0.027	20.5	747	15.58	<0.02	2.06	1.9	0.9	24.0	0.12	4.3	0.006	0.12	0.7	36	0.2	85.6
29	KW35+00N11+50E	2	0.1	1.16	15.6	106.5	0.24	0.03	0.17	6.0	17.5	19.1	3.64	5.2	35	0.06	15.0	0.28	245	2.32	0.027	15.8	448	14.82	<0.02	1.84	1.5	0.6	9.5	0.18	3.7	0.004	0.12	0.5	44	0.2	73.5
30	KW35+00N11+75E	3	0.3	1.11	14.6	307.5	0.26	0.24	0.45	8.7	18.0	31.7	2.60	4.8	95	0.06	23.5	0.35	380	1.52	0.030	25.0	748	16.89	<0.02	1.92	3.0	1.1	26.5	0.16	4.8	0.006	0.12	1.1	34	0.2	88.7

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
31	KW35+00N12+00EN/S																																			
32	KW35+00N12+25EN/S																																			
33	KW35+00N12+50EN/S																																			
34	KW35+00N12+75EN/S																																			
35	KW35+00N13+00EN/S																																			
36	KW35+00N13+25E	1	0.1	0.77	7.4	133.5	0.14	0.40	0.11	3.8	9.5	13.2	1.38	3.2	50	0.04	11.5	0.30	149	0.77	0.039	12.0	887	8.72	0.04	0.94	1.0	0.6	32.0	0.12	2.0	0.009	0.08	0.5	22	0.1	52.3
37	KW35+00N13+50EN/S																																			
38	KW35+00N13+75EN/S																																			
39	KW35+00N14+00EN/S																																			
40	KW36+00N03+00E	3	0.3	0.96	21.1	308.0	0.18	0.90	0.87	10.1	15.5	37.0	2.80	4.1	80	0.14	18.5	0.41	382	2.44	0.033	33.0	750	14.35	0.06	3.14	3.1	1.9	53.0	0.10	3.5	0.003	0.10	0.9	38	0.1	126.4
41	KW36+00N03+25E	3	0.3	0.98	13.0	392.0	0.16	1.11	0.39	8.2	13.5	31.2	2.20	3.7	110	0.07	15.0	0.33	402	1.44	0.039	25.7	774	11.97	0.06	2.04	2.4	1.6	71.0	0.16	2.4	0.004	0.10	2.0	34	0.1	80.4
42	KW36+00N03+50EN/S																																			
43	KW36+00N03+75EN/S																																			
44	KW36+00N04+00E	4	0.3	0.96	19.8	328.5	0.18	0.59	0.61	10.0	14.0	33.5	2.73	4.1	85	0.06	21.0	0.34	381	2.01	0.035	28.9	848	14.16	0.02	2.76	3.5	1.3	39.5	0.04	3.7	0.004	0.12	1.2	32	0.1	120.5
45	KW36+00N04+25E	3	0.1	0.62	10.9	132.0	0.10	0.42	0.16	4.8	9.0	15.1	1.61	3.0	45	0.04	11.5	0.26	250	1.28	0.040	15.7	800	7.79	0.02	1.28	1.4	0.7	28.5	0.04	1.5	0.009	0.06	0.7	24	<0.1	70.3
46	KW36+00N04+50E	2	0.4	1.20	11.5	294.0	0.18	1.05	0.33	6.3	16.5	26.1	2.31	4.7	145	0.06	18.5	0.43	158	1.03	0.037	21.2	613	16.90	0.08	1.22	3.5	1.7	49.0	0.04	2.6	0.003	0.10	2.0	36	<0.1	90.5
47	KW36+00N04+75EN/S																																			
48	KW36+00N05+00EN/S																																			
49	KW36+00N05+25EN/S																																			
50	KW36+00N05+50EN/S																																			
51	KW36+00N05+75EN/S																																			
52	KW36+00N06+00E	2	0.1	1.14	25.4	329.5	0.20	0.25	0.70	11.3	16.5	21.7	3.43	4.4	45	0.06	15.5	0.42	497	2.66	0.028	27.1	620	19.41	<0.02	3.84	2.5	1.0	26.0	0.14	3.3	0.002	0.14	1.0	42	0.1	145.6
53	KW36+00N06+25E	2	0.1	1.77	35.4	221.5	0.32	0.06	0.40	10.5	23.5	24.2	5.69	6.4	30	0.05	18.0	0.36	421	3.92	0.029	24.8	889	25.73	<0.02	4.40	2.5	1.0	13.5	0.14	4.1	0.001	0.20	0.6	66	0.2	141.4
54	KW36+00N06+50E	3	0.1	1.64	29.3	195.5	0.28	0.18	0.39	8.5	25.0	19.0	5.05	6.6	30	0.06	15.0	0.36	378	2.96	0.032	22.1	737	23.27	<0.02	3.44	2.2	0.8	16.0	0.06	3.3	0.003	0.14	0.5	68	0.2	141.6
55	KW36+00N06+75EN/S																																			
56	KW36+00N07+00EN/S																																			
57	KW36+00N07+25E	3	0.1	1.34	16.9	196.0	0.20	0.06	0.18	7.9	17.5	22.4	3.05	5.0	30	0.05	19.5	0.36	213	1.90	0.030	21.9	301	14.56	<0.02	2.20	2.0	0.6	11.5	0.04	4.1	0.002	0.12	0.5	40	0.1	84.0
58	KW36+00N07+50E	1	0.2	1.48	15.7	158.5	0.22	0.04	0.21	9.0	18.0	15.2	3.52	5.2	40	0.05	17.5	0.31	245	1.85	0.029	18.8	361	16.48	<0.02	1.90	1.8	0.6	8.0	0.04	4.1	0.001	0.12	0.5	42	0.1	71.6
59	KW36+00N07+75E	2	0.1	1.02	14.5	232.5	0.18	0.09	0.18	6.9	14.0	19.6	2.50	4.2	30	0.05	18.0	0.31	302	1.47	0.029	17.5	292	12.64	<0.02	1.82	1.6	0.6	13.5	0.04	3.7	0.002	0.08	0.5	32	0.1	63.1
60	KW36+00N08+00E	2	0.1	1.02	15.8	193.5	0.20	0.26	0.16	10.3	15.0	21.9	2.62	4.8	35	0.05	20.0	0.40	436	1.69	0.034	20.6	720	14.56	<0.02	2.04	1.7	0.8	27.5	0.04	3.3	0.004	0.08	0.6	36	0.1	79.0
61	KW36+00N08+25EN/S																																			
62	KW36+00N08+50EN/S																																			
63	KW36+00N08+75EN/S																																			
64	KW36+00N09+00EN/S																																			
65	KW36+00N09+25EN/S																																			
66	KW36+00N09+50E	3	0.2	1.12	14.1	225.0	0.18	0.92	0.27	7.4	15.0	18.5	2.32	4.4	95	0.05	13.0	0.38	572	0.98	0.039	14.2	893	17.08	0.10	1.20	2.4	1.3	62.5	0.04	2.8	0.004	0.10	2.0	36	0.1	92.0
67	KW36+00N09+75EN/S																																			
68	KW36+00N10+00EN/S																																			
69	KW36+00N10+25E	4	0.3	1.18	12.3	273.0	0.22	0.94	0.96	9.0	19.5	44.7	2.08	4.7	185	0.06	18.0	0.48	394	1.28	0.034	27.0	918	21.50	0.10	1.96	4.1	2.3	69.0	0.06	4.1	0.005	0.12	3.8	38	0.1	106.8
70	KW36+00N10+50EN/S																																			
71	KW36+00N10+75EN/S																																			
72	KW36+00N11+00EN/S																																			
73	KW36+00N11+25E	4	0.2	0.81	10.4	213.5	0.20	0.34	0.34	8.5	14.0	27.1	2.04	4.1	70	0.05	21.0	0.38	371	1.21	0.033	21.7	945	10.93	<0.02	1.50	2.7	1.0	31.5	0.28	5.1	0.008	0.10	0.8	28	0.2	71.8
74	KW36+00N11+50EN/S																																			
75	KW36+00N11+75EN/S																																			

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2010- 8071 TerraLogic Exploration Inc.

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
76	KW36+00N12+00E	4	0.2	1.09	12.9	275.5	0.22	0.48	0.38	9.6	17.0	34.3	2.56	4.6	105	0.06	20.0	0.47	267	1.40	0.035	24.4	1002	18.08	<0.02	1.76	3.1	1.1	38.5	0.24	4.7	0.005	0.10	0.9	34	0.1	82.9
77	KW36+00N12+25E	3	0.1	0.85	11.3	168.0	0.20	0.36	0.22	6.2	14.0	23.1	2.22	4.2	70	0.05	21.5	0.41	254	1.35	0.031	18.9	1021	11.13	<0.02	1.64	2.1	0.9	33.5	0.24	5.9	0.009	0.08	0.8	28	0.1	74.6
78	KW36+00N12+50EN/S																																				
79	KW36+00N12+75E	3	0.1	1.45	11.6	570.5	0.24	0.73	0.20	6.7	20.5	35.6	2.51	5.2	130	0.07	18.0	0.48	280	1.36	0.036	23.8	965	13.32	0.02	1.48	3.0	1.7	51.0	0.34	3.5	0.003	0.10	2.8	42	0.1	57.2
80	KW36+00N13+00E	4	0.2	1.19	8.8	338.0	0.18	0.36	0.08	6.5	16.0	22.4	2.17	4.5	90	0.05	19.5	0.44	251	1.17	0.030	19.0	951	9.53	<0.02	1.24	2.4	0.9	32.0	0.32	4.4	0.005	0.10	0.9	34	0.1	65.0
81	KW36+00N13+25E	3	0.1	1.13	9.9	293.0	0.22	0.37	0.19	8.5	17.5	24.8	2.28	5.0	65	0.05	20.5	0.45	345	1.31	0.032	19.5	800	13.34	<0.02	1.36	2.5	1.0	31.5	0.40	4.9	0.005	0.10	1.0	36	0.2	66.7
82	KW36+00N13+50E	2	0.1	1.16	9.6	286.5	0.20	0.33	0.13	6.9	17.5	21.7	2.22	4.9	75	0.06	19.0	0.43	232	1.40	0.031	16.9	774	13.72	<0.02	1.16	2.0	0.8	29.5	0.36	4.1	0.004	0.10	0.8	36	0.2	62.8
83	KW36+00N13+75E	3	0.1	1.04	7.5	235.0	0.16	0.27	0.09	7.6	14.0	19.0	1.92	4.3	70	0.05	16.5	0.38	329	1.06	0.038	15.8	692	10.11	<0.02	1.04	1.8	0.8	23.0	0.22	3.3	0.005	0.10	0.7	30	0.1	52.6
84	KW36+00N14+00E	3	0.1	0.97	8.8	257.0	0.20	0.32	0.20	7.3	14.0	20.4	1.92	4.0	65	0.05	14.5	0.33	397	1.20	0.034	14.7	723	11.65	<0.02	1.10	1.6	0.7	28.0	0.20	2.7	0.004	0.10	0.7	30	0.2	56.4
85	KW36+00N14+25E	3	0.2	1.15	10.3	249.5	0.20	0.35	0.15	8.4	17.5	23.5	2.48	4.8	80	0.06	18.5	0.47	333	1.57	0.033	19.0	909	13.20	<0.02	1.44	2.3	0.8	30.5	0.28	4.2	0.005	0.10	0.9	36	0.1	69.4
86	KW36+00N14+50E	2	0.2	1.06	7.2	260.0	0.18	0.42	0.19	7.4	14.0	24.6	1.90	4.0	85	0.05	13.5	0.36	340	0.90	0.041	16.0	722	12.07	<0.02	0.94	2.1	0.8	30.5	0.38	3.0	0.003	0.12	0.7	30	0.1	59.0
87	KW37+00N00+50E	4	0.4	1.16	23.3	287.5	0.26	0.58	0.99	11.9	19.5	43.6	3.32	5.1	105	0.10	24.0	0.47	498	3.05	0.032	38.3	869	16.70	<0.02	3.44	4.1	2.0	41.0	0.40	5.6	0.004	0.16	1.2	46	0.2	159.0
88	KW37+00N00+75E	3	0.4	0.98	20.6	366.5	0.26	0.55	1.13	11.5	17.5	37.2	2.98	4.5	140	0.10	21.5	0.39	454	3.21	0.035	34.9	1017	18.67	0.04	3.40	3.7	2.3	45.5	0.44	6.3	0.004	0.16	1.5	46	0.2	162.0
89	KW37+00N01+00E	2	0.3	0.92	12.9	244.5	0.16	0.88	0.76	7.7	12.0	25.5	2.05	3.5	60	0.06	14.5	0.31	423	1.35	0.038	21.0	794	11.64	0.04	1.76	2.0	1.2	53.0	0.32	2.0	0.005	0.10	1.1	28	0.1	113.8
90	KW37+00N01+25E	2	0.2	0.77	10.8	224.0	0.14	0.88	0.57	5.9	10.0	24.9	1.76	3.3	60	0.05	12.5	0.26	242	1.19	0.037	19.4	589	8.45	0.02	1.54	1.9	0.8	48.5	0.48	2.0	0.006	0.10	1.0	26	0.2	87.5
91	KW37+00N01+50E	3	0.2	0.85	21.6	241.5	0.20	0.62	0.84	10.6	14.0	34.1	2.73	3.9	75	0.07	18.5	0.39	456	2.14	0.033	29.1	933	15.96	0.02	2.72	3.1	1.2	42.5	0.36	4.4	0.005	0.14	0.9	34	0.2	124.2
92	KW37+00N01+75E	2	0.3	0.93	10.6	241.0	0.18	1.12	0.47	7.1	13.0	21.1	2.00	3.7	75	0.05	14.0	0.31	328	1.09	0.035	18.7	498	11.97	0.02	1.42	2.0	1.0	56.5	0.50	2.4	0.003	0.12	1.2	30	0.1	56.3
93	KW37+00N02+00E	3	0.2	1.14	18.5	350.5	0.24	0.61	0.38	11.3	17.5	26.5	2.95	4.7	70	0.06	18.5	0.40	637	1.89	0.037	25.2	552	16.67	<0.02	2.26	2.9	1.0	36.0	0.40	3.8	0.003	0.14	0.7	42	0.2	99.0
94	KW37+00N02+25E	3	0.3	1.17	18.3	328.0	0.22	0.33	0.52	11.3	16.5	35.7	2.86	4.8	85	0.06	23.5	0.37	385	2.02	0.035	30.0	675	14.85	<0.02	2.48	3.5	1.3	26.5	0.44	4.0	0.003	0.14	0.9	36	0.2	113.2
95	KW37+00N02+50E	1	<0.1	1.08	17.0	156.5	0.22	0.09	0.39	7.2	16.5	18.5	2.86	4.9	35	0.06	19.0	0.35	223	2.11	0.030	20.0	607	12.58	<0.02	2.10	1.8	0.7	13.0	0.38	3.8	0.004	0.12	0.5	40	0.2	86.0
96	KW37+00N02+75E	2	0.1	1.28	19.4	166.5	0.20	0.09	0.34	8.9	17.5	27.0	3.40	4.5	35	0.06	15.5	0.33	296	2.04	0.029	23.9	656	16.61	<0.02	2.54	2.1	0.8	13.0	0.06	4.3	0.002	0.12	0.6	40	0.1	104.4
97	KW37+00N03+00E	2	<0.1	0.82	14.9	126.5	0.18	0.07	0.23	5.6	11.5	15.4	2.44	4.3	25	0.04	16.5	0.19	203	1.76	0.029	13.8	440	12.22	<0.02	1.84	1.3	0.6	10.0	0.04	3.2	0.004	0.08	0.4	34	0.1	60.5
98	KW37+00N03+25E	2	0.1	1.29	17.9	197.0	0.20	0.10	0.29	9.0	17.0	21.4	3.33	4.9	40	0.05	19.0	0.31	257	1.97	0.028	22.8	487	16.89	<0.02	2.26	2.0	0.8	13.0	0.04	4.3	0.003	0.10	0.6	40	0.1	77.7
99	KW37+00N03+50EN/S																																				
100	KW37+00N03+75EN/S																																				
101	KW37+00N04+00EN/S																																				
102	KW37+00N04+25EN/S																																				
103	KW37+00N04+50E	1	0.1	0.89	19.0	179.5	0.26	0.14	0.40	7.2	15.0	20.0	2.68	4.6	60	0.06	21.5	0.22	415	3.37	0.028	15.9	511	14.84	<0.02	2.90	1.5	1.1	16.5	0.50	3.2	0.003	0.10	0.9	50	0.2	91.1
104	KW37+00N04+75E	1	0.2	0.74	13.6	316.5	0.24	0.24	0.38	8.8	12.5	23.3	2.04	3.6	110	0.06	18.0	0.20	377	2.63	0.029	20.5	729	14.13	<0.02	2.06	1.8	1.2	24.5	0.46	2.7	0.003	0.12	1.0	38	0.2	97.0
105	KW37+00N05+00E	3	0.2	1.04	17.2	298.0	0.26	0.22	0.29	12.5	16.0	26.3	2.78	4.8	100	0.07	24.0	0.27	690	2.67	0.032	21.1	818	16.63	<0.02	2.80	2.4	1.3	24.5	0.86	3.7	0.004	0.14	1.2	44	0.2	95.4
106	KW37+00N05+25E	2	0.3	1.00	9.2	196.5	0.14	0.10	0.35	7.1	11.0	21.9	1.98	3.2	70	0.06	13.5	0.20	417	1.23	0.030	12.0	530	9.15	0.02	1.34	1.6	0.6	13.0	0.06	1.5	0.002	0.10	0.7	30	0.5	59.3
107	KW37+00N05+50E	3	0.3	0.83	7.3	240.0	0.16	0.16	0.58	8.6	8.5	29.9	1.10	3.7	50	0.05	16.5	0.10	395	0.85	0.028	9.4	550	13.83	0.02	0.70	1.0	0.8	16.5	0.04	0.7	0.002	0.10	0.9	24	0.4	31.1
108	KW37+00N05+75E	3	<0.1	1.20	16.7	142.0	0.20	0.13	0.23	11.1	16.5	14.1	2.89	4.5	30	0.07	18.0	0.36	353	2.05	0.025	15.6	651	14.33	0.02	2.02	1.9	0.9	16.0	0.06	3.5	0.005	0.12	0.6	42	0.5	78.1
109	KW37+00N06+00E	2	0.1	1.45	30.6	146.0	0.20	0.05	0.49	9.0	15.5	21.4	3.74	4.1	30	0.05	16.0	0.22	237	2.88	0.028	24.0	444	15.66	0.02	4.08	2.3	1.1	10.5	0.06	3.0	0.003	0.12	0.5	48	0.5	137.2
110	KW37+00N06+25E	2	<0.1	1.08	18.2	98.0	0.22	0.03	0.08	4.0	14.0	9.9	3.23	6.9	20	0.03	18.5	0.20	105	2.18	0.027	10.0	193	10.13	<0.02	2.58	1.4	0.5	6.5	0.08	2.7	0.007	0.12	0.3	64	0.6	46.5
111	KW37+00N06+50E	1	<0.1	0.71	4.7	87.5	0.14	0.03	0.09	1.4	4.5	6.0	0.96	5.3	10	0.03	11.0	0.06	48	1.14	0.025	1.8	117	6.01	<0.02	0.60	0.6	0.2	6.5	0.02	1.2	0.009	0.10	0.3	40	0.4	16.9
112	KW37+00N06+75E	1	0.1	1.51	28.6	64.5	0.16	0.02	0.12	6.1	11.5	7.7	5.39	6.6	20	0.03	7.0	0.26	250	1.74	0.027	3.5	389	28.30	0.06	6.72	1.8	0.3	5.0	0.04	3.3	0.001	0.12	0.5	54	0.4	53.8
113	KW37+00N07+00E	3	0.1	0.83	26.1	169.0	0.18	0.41	0.17	6.7	12.5	20.3	2.38	3.3	35	0.06	20.0	0.37	320	1.48	0.026	15.7	817	14.12	0.04	2.88	1.7	0.9	38.0	0.04	4.4	0.005	0.06	0.7	26	0.3	79.4
114	KW37+00N07+25EN/S																																				
115	KW37+00N07+50E	3	0.2	0.99	9.9	229.0	0.14	0.39	0.11	6.6	13.5	16.7	1.98	3.3	80	0.05	15.0	0.41	154	1.03	0.030	13.3	866	9.81	0.04	1.48	2.0	1.0	42.0	0.04	3.5	0.004	0.06	0.8	28	0.3	66.9
116	KW37+00N07+75E	3	0.2	1.09	17.6	340.0	0.20	0.60	0.28	7.4	15.5	18.1	2.20	3.9	80	0.05	15.5	0.41	148	1.39	0.029	16.5	815	15.10	0.06	1.92	2.5	1.3	57.0	0.06	3.4	0.004	0.08	1.5	38	0.3	72.7
117	KW37+00N08+00E	3	0.1	0.84	12.2	245.5	0.16	0.34	0.29	8.4	13.0	24.6	2.15	3.4	70	0.05	22.0	0.38	234	1.48	0.027	21.4	922	10.25	0.02	2.34	2.4	1.0	37.0	0.02	5.0	0.007	0.06	0.7	30	0.3	81.8
118	KW37+00N08+25E	2	0.1	0.75	13.2	286.5	0.16	0.21	0.23	6.3	12.5	21.9	2.10	3.3	40	0.05	24.0	0.29	202	1.64	0.027	20.7	700	8.37	0.02	3.12	2.1	1.0	29.0	0.04	4.7	0.005	0.06	0.7	28	0.3	92.4
119	KW37+00N08+50E	3	0.4	1.27	16.2	471.0	0.24	0.46	0.40	10.1	20.0	38.7	2.95	4.3	140	0.08	20.5	0.42	360	1.86	0.032	28.5	830	15.36	0.04	2.90	4.0	1.7	52.0	0.06	4.6	0.004	0.12	2.2	44	0.3	101.9
120	KW37+00N08+75E	2	0.1	0.60	5.0	177.0	0.46	0.30	0.07	3.0	7.0	10.9	1.10	2.3	45	0.03	8.0	0.17	86	0.62	0.038	6.5	583	6.15	0.04	0.56	1.1	0.6	30.5	0.02	1.4	0.006	0.06	0.5	22	0.3	27.0

ECO TECH LABORATORY LTD. | ICP CERTIFICATE OF ANALYSIS AW 2010- 8071 | TerraLogic Exploration Inc.

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
121	KW37+00N09+00EN/S																																			
122	KW37+00N09+25EN/S																																			
123	KW37+00N09+50E	4	0.2	0.68	19.3	197.0	0.14	0.30	0.28	7.9	10.5	20.7	2.25	2.8	80	0.07	20.5	0.29	228	1.12	0.025	15.3	785	13.92	0.02	3.20	2.8	1.0	30.0	0.06	5.3	0.004	0.08	0.8	24	0.2	69.4
124	KW37+00N09+75E	9	0.4	0.75	63.9	256.5	0.14	0.39	0.14	7.2	10.0	18.5	3.00	3.4	60	0.08	27.5	0.23	382	1.64	0.028	12.4	587	19.54	0.06	8.12	2.3	1.1	40.0	0.06	6.5	0.002	0.10	1.2	24	0.2	72.3
125	KW37+00N10+00E	3	0.1	0.99	10.9	205.0	0.16	0.28	0.12	7.3	15.5	22.0	2.14	3.8	60	0.05	20.5	0.44	213	1.23	0.026	17.0	771	10.59	0.02	1.50	2.1	0.9	30.0	0.02	4.9	0.006	0.08	0.8	32	0.2	70.4
126	KW37+00N10+25E	4	0.4	1.15	11.6	407.5	0.20	0.99	0.70	9.4	16.5	31.5	2.20	3.7	120	0.06	14.0	0.43	660	1.38	0.030	22.0	826	14.49	0.10	1.96	3.0	1.9	79.0	0.06	3.0	0.003	0.10	2.9	36	0.2	70.5
127	KW37+00N10+50EN/S																																			
128	KW37+00N10+75E	4	0.2	0.94	11.3	358.0	0.18	1.22	0.64	6.9	13.0	20.1	2.22	3.0	105	0.04	8.5	0.35	772	1.54	0.035	13.4	703	13.46	0.24	1.26	2.2	2.9	112.5	0.06	2.3	0.005	0.06	4.9	30	0.2	83.4
129	KW37+00N11+00EN/S																																			
130	KW37+00N11+25EN/S																																			
131	KW37+00N11+50EN/S																																			
132	KW37+00N11+75E	4	0.2	1.10	14.6	319.5	0.22	0.52	0.61	10.5	17.5	30.1	2.74	3.9	115	0.07	16.0	0.43	388	1.72	0.029	20.8	817	17.56	0.08	1.80	3.6	1.7	44.0	0.06	4.3	0.005	0.12	1.4	38	0.3	96.9
133	KW37+00N12+00E	3	0.3	1.00	8.6	303.0	0.16	0.46	0.32	7.5	14.0	24.4	2.19	3.5	100	0.06	12.5	0.38	240	1.08	0.036	16.8	648	13.69	0.06	1.20	2.7	1.2	40.5	0.02	3.5	0.005	0.10	1.4	32	0.2	60.1
134	KW37+00N12+25E	3	0.5	1.15	6.1	325.5	0.18	0.48	0.53	5.5	17.5	39.1	1.70	4.0	200	0.07	13.0	0.37	173	0.71	0.040	20.0	628	14.83	0.06	1.24	3.6	1.8	35.5	<0.02	3.2	0.007	0.10	3.3	36	0.2	76.1
135	KW37+00N12+50E	3	0.1	1.00	6.5	225.0	0.16	0.28	0.18	6.5	15.0	21.2	1.74	3.9	85	0.06	19.5	0.46	163	0.78	0.027	16.3	709	10.97	0.02	0.90	2.5	0.9	28.0	0.04	4.5	0.008	0.08	0.7	30	0.2	62.9
136	KW37+00N12+75E	1	0.1	1.13	9.0	266.5	0.16	0.27	0.14	6.9	16.0	13.5	2.18	4.1	50	0.05	17.0	0.47	196	1.29	0.029	14.2	682	10.65	0.02	1.06	1.9	0.9	26.0	0.04	3.8	0.004	0.08	0.7	36	0.2	61.4
137	KW37+00N13+00E	1	0.2	0.74	11.6	372.0	0.14	0.21	0.19	4.7	8.5	15.6	2.05	3.1	45	0.05	17.5	0.21	186	1.75	0.031	10.8	527	11.00	0.04	2.28	1.5	1.0	30.0	0.04	2.8	0.003	0.06	0.5	26	0.1	53.7
138	KW38+00N00+00	6	0.3	1.09	11.9	400.0	0.14	0.93	0.65	6.5	12.0	27.2	1.97	3.5	85	0.06	11.5	0.34	495	1.57	0.038	20.3	893	8.27	0.08	2.06	1.9	1.1	59.5	0.02	1.5	0.007	0.08	1.2	40	0.1	102.2
139	KW38+00N00+25E	3	0.3	0.97	16.0	265.5	0.18	0.60	0.43	8.1	16.0	26.2	2.39	3.6	90	0.08	20.0	0.42	424	2.12	0.031	19.8	846	12.67	0.04	2.18	3.2	1.2	47.5	0.04	3.9	0.006	0.10	0.9	38	0.2	105.9
140	KW38+00N00+50E	2	0.2	0.81	20.8	208.0	0.18	0.38	0.32	7.4	14.5	24.4	2.41	3.4	50	0.06	21.0	0.38	298	2.54	0.030	20.8	862	11.37	0.02	2.92	2.4	1.1	35.5	0.06	4.4	0.008	0.08	0.7	38	0.2	112.4
141	KW38+00N00+75E	4	0.6	1.30	16.2	753.5	0.20	1.47	0.48	11.3	17.5	53.2	2.69	4.0	140	0.07	18.0	0.41	582	1.84	0.036	35.8	828	15.57	0.08	2.18	3.5	3.2	94.5	0.06	2.1	0.002	0.08	3.3	40	0.2	62.0
142	KW38+00N01+00EN/S																																			
143	KW38+00N01+25EN/S																																			
144	KW38+00N01+50E	3	0.3	0.94	8.4	424.5	0.18	1.13	0.58	7.3	12.0	22.3	1.68	3.0	65	0.05	10.0	0.34	408	1.07	0.042	15.9	637	12.36	0.08	1.50	2.0	0.8	70.5	0.04	1.7	0.004	0.08	0.8	30	0.1	73.4
145	KW38+00N01+75EN/S																																			
146	KW38+00N02+00E	3	0.2	1.01	10.1	422.5	0.16	0.60	0.27	6.6	12.5	23.0	1.94	3.3	55	0.05	13.5	0.32	362	1.45	0.043	17.8	529	8.33	0.04	1.58	1.8	0.9	44.0	0.04	1.7	0.004	0.06	1.2	30	0.2	62.8
147	KW38+00N02+25E	2	0.2	0.98	11.5	334.0	0.18	0.52	0.31	7.7	13.5	20.7	2.12	3.4	50	0.06	15.5	0.33	302	1.52	0.038	18.8	578	9.05	0.04	1.70	2.2	0.8	38.0	0.02	2.7	0.006	0.06	0.6	34	0.2	77.5
148	KW38+00N02+50E	3	0.2	1.05	14.8	348.5	0.18	0.48	0.25	8.8	15.5	30.1	2.52	3.8	80	0.07	19.5	0.38	426	1.92	0.036	23.8	754	11.08	0.04	2.30	3.0	1.1	36.5	0.06	3.9	0.005	0.08	1.1	36	0.2	85.1
149	KW38+00N02+75EN/S																																			
150	KW38+00N03+00EN/S																																			
151	KW38+00N03+25E	1	<0.1	0.68	11.6	143.5	0.14	0.09	0.11	3.8	8.5	9.5	1.69	3.5	10	0.03	16.5	0.16	145	1.69	0.032	8.2	273	7.13	<0.02	1.60	0.9	0.4	10.0	0.04	2.1	0.002	0.08	0.3	34	0.1	43.8
152	KW38+00N03+50E	1	<0.1	0.63	8.1	69.5	0.10	0.03	0.11	2.2	8.0	4.9	1.24	3.4	10	0.04	17.5	0.19	77	1.32	0.032	5.9	291	5.76	<0.02	1.02	0.7	0.4	6.0	0.02	2.3	0.004	0.06	0.3	28	0.1	29.3
153	KW38+00N03+75E	2	0.1	1.00	14.2	226.0	0.18	0.12	0.28	8.9	14.5	19.7	2.45	3.7	30	0.05	18.0	0.34	328	1.73	0.032	19.4	537	12.99	0.02	2.18	1.8	0.8	15.5	0.04	3.2	0.003	0.08	0.5	36	0.2	83.9
154	KW38+00N04+00E	2	0.1	0.88	14.8	320.0	0.18	0.18	0.22	7.7	13.5	24.6	2.34	3.4	45	0.04	21.5	0.35	219	1.83	0.034	22.9	585	10.71	0.02	2.68	2.4	1.1	19.0	0.04	4.2	0.004	0.06	0.7	32	0.1	82.4
155	KW38+00N04+25E	2	0.1	1.14	19.0	207.0	0.20	0.08	0.47	8.7	17.0	24.2	2.77	4.1	40	0.05	18.5	0.33	398	2.17	0.032	20.4	478	14.79	0.02	2.42	2.2	1.1	11.5	0.04	3.6	0.003	0.08	0.8	44	0.2	107.2
156	KW38+00N04+50E	3	0.1	1.34	19.5	343.0	0.22	0.17	0.54	11.5	19.0	37.6	3.21	4.4	65	0.06	23.0	0.42	420	2.33	0.032	29.3	853	16.32	0.04	3.00	3.4	1.4	22.0	0.04	5.1	0.002	0.08	1.0	46	0.2	113.8
157	KW38+00N04+75E	5	0.2	1.11	20.2	350.0	0.20	0.15	0.33	8.6	14.5	35.0	2.75	3.7	50	0.05	21.0	0.35	323	2.15	0.030	26.9	590	14.56	0.02	3.16	2.4	1.3	18.0	0.04	3.3	0.002	0.10	0.8	38	0.1	97.6
158	KW38+00N05+00E	2	0.1	1.04	19.5	254.5	0.20	0.08	0.36	7.7	15.0	31.0	2.98	3.7	30	0.05	20.5	0.33	225	2.29	0.032	21.3	481	13.20	0.02	3.40	1.8	1.1	12.5	0.06	3.4	0.002	0.10	0.5	40	0.1	95.2
159	KW38+00N05+25E	2	0.2	0.90	10.9	338.5	0.14	0.21	0.24	6.0	10.0	19.7	1.97	2.9	35	0.04	12.0	0.23	200	1.48	0.038	15.1	412	8.29	0.02	1.80	1.4	0.6	19.5	0.04	1.7	0.003	0.06	0.5	30	0.2	58.3
160	KW38+00N05+50E	1	0.2	0.76	5.2	263.0	0.08	0.28	0.16	3.1	7.0	21.0	1.20	2.7	45	0.05	6.5	0.12	104	0.82	0.054	10.5	428	5.17	0.02	0.94	0.7	0.4	20.0	<0.02	0.3	0.004	0.06	0.4	26	<0.1	38.4
161	KW38+00N05+75E	2	0.1	0.84	12.0	179.5	0.18	0.19	0.18	8.7	12.0	24.0	2.06	3.1	50	0.05	17.0	0.28	207	1.43	0.032	17.5	390	10.50	<0.02	2.06	1.8	0.7	17.0	0.04	3.0	0.004	0.06	0.6	28	0.1	69.5
162	KW38+00N06+00E	3	0.2	1.27	17.3	348.5	0.22	0.19	0.21	11.8	18.5	39.4	2.99	4.4	65	0.08	26.0	0.57	392	2.10	0.034	28.3	571	15.67	0.02	2.54	3.1	1.2	22.0	0.06	5.7	0.005	0.10	0.7	36	0.2	89.9
163	KW38+00N06+25E	<1	0.2	0.69	12.4	225.0	0.16	0.09	0.18	4.0	9.0	8.7	1.98	3.4	10	0.04	16.0	0.19	165	1.82	0.030	8.7	173	8.97	<0.02	1.48	1.0	0.4	13.5	0.04	2.3	0.004	0.06	0.3	38	0.2	42.9
164	KW38+00N06+50E	1	0.1	0.78	11.0	132.5	0.16	0.20	0.19	8.4	12.5	10.0	2.01	4.5	10	0.05	18.0	0.21	358	1.98	0.031	11.3	348	10.10	0.04	2.46	1.0	0.5	17.5	0.02	1.4	0.004	0.10	0.3	38	0.2	82.5
165	KW38+00N06+75E	<1	<0.1	0.47	10.6	92.0	0.14	0.11	0.21	3.1	7.5	9.4	1.44	3.9	10	0.05	19.5	0.12	84	1.74	0.038	8.4	300	7.02	0.02	2.92	0.5	0.4	12.0	<0.02	0.4	0.006	0.06	0.2	36	0.1	59.0

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2010- 8071 TerraLogic Exploration Inc.

Et #	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
166	KW38+00N07+00E	2	0.2	1.07	10.2	336.5	0.14	0.63	0.62	7.6	13.5	26.8	2.06	3.4	90	0.04	12.5	0.34	480	1.36	0.040	19.8	830	11.10	0.08	1.78	2.2	1.5	51.5	0.04	2.2	0.004	0.08	1.3	34	<0.1	79.1
167	KW38+00N07+25E	3	0.2	1.03	13.3	305.5	0.16	0.45	0.39	7.3	16.0	29.5	2.67	3.6	100	0.06	18.0	0.39	298	1.60	0.037	23.4	819	12.14	0.04	2.32	3.4	2.1	43.0	0.06	3.8	0.004	0.08	1.3	36	0.1	108.4
168	KW38+00N07+50E	2	0.2	0.79	13.3	318.5	0.22	0.27	0.66	8.6	14.0	34.8	2.64	3.1	85	0.07	20.0	0.25	124	2.29	0.033	26.6	732	14.39	0.02	4.94	4.2	2.6	33.5	0.06	5.2	0.002	0.10	1.7	36	0.1	133.0
169	KW38+00N07+75E	2	0.2	0.86	10.8	353.5	0.18	0.25	0.41	7.0	13.5	30.5	2.36	3.1	75	0.06	17.0	0.27	194	1.87	0.033	20.7	661	12.54	0.04	2.58	3.3	1.3	29.5	0.04	3.7	0.001	0.08	0.8	34	<0.1	88.0
170	KW38+00N08+00E	3	0.2	1.05	12.1	283.0	0.18	0.26	0.40	9.2	16.5	26.0	2.38	4.0	70	0.06	22.5	0.46	264	1.74	0.034	21.0	829	14.70	0.02	2.42	3.2	1.3	29.0	0.02	5.3	0.004	0.08	1.0	38	0.1	84.3
171	KW38+00N08+25E	2	0.2	0.84	16.2	274.0	0.20	0.34	0.38	8.0	14.0	32.5	2.55	3.3	70	0.06	22.0	0.38	242	2.21	0.034	25.8	878	11.86	0.02	3.74	3.2	1.1	37.0	0.06	4.9	0.004	0.08	0.8	34	0.1	109.6
172	KW38+00N08+50E	2	0.3	0.98	12.3	245.5	0.18	0.33	0.68	11.1	15.5	32.4	2.41	3.7	65	0.06	19.5	0.47	243	1.76	0.035	27.3	894	13.80	0.04	2.54	3.4	1.4	32.0	0.04	5.0	0.007	0.08	0.9	38	0.1	110.0
173	KW38+00N08+75E	2	0.3	1.15	10.3	309.0	0.22	0.96	0.81	5.0	17.5	33.1	1.69	3.8	135	0.05	15.5	0.41	362	1.00	0.039	16.0	735	15.38	0.10	1.60	3.6	2.1	69.5	0.02	4.0	0.004	0.12	3.5	38	0.2	78.7
174	KW38+00N09+00EN/S																																				
175	KW38+00N09+25E	2	0.2	1.02	7.4	237.5	0.16	0.58	0.34	6.0	14.5	18.9	1.64	3.5	85	0.05	14.5	0.41	304	0.57	0.038	13.8	797	14.20	0.06	1.16	2.8	1.2	48.0	0.04	3.8	0.004	0.08	1.2	32	<0.1	82.3
176	KW38+00N09+50EN/S																																				
177	KW38+00N09+75EN/S																																				
178	KW38+00N10+00E	3	0.3	1.39	15.8	373.0	0.28	0.81	0.34	20.0	20.5	21.0	3.70	4.8	100	0.07	16.5	0.51	621	1.83	0.037	18.9	854	22.91	0.08	1.50	4.0	1.6	64.5	0.08	4.0	0.002	0.12	2.6	44	0.2	107.6
179	KW38+00N10+25E	2	0.2	0.93	9.0	198.0	0.16	0.30	0.56	8.0	14.5	24.8	2.03	3.6	65	0.06	23.0	0.46	360	1.41	0.037	22.7	1004	7.83	0.02	2.04	2.6	1.1	31.0	0.06	5.4	0.006	0.08	1.0	34	<0.1	96.2
180	KW38+00N10+50E	3	0.3	1.28	6.8	391.5	0.20	1.34	1.85	6.4	18.5	44.7	1.87	4.0	150	0.06	15.5	0.50	165	0.56	0.036	23.7	778	16.71	0.18	2.12	4.3	4.4	88.0	0.04	3.7	0.002	0.12	5.7	36	<0.1	122.3
181	KW38+00N10+75EN/S																																				
182	KW38+00N11+00E	2	0.3	1.05	13.4	270.5	0.20	0.32	0.86	9.8	16.5	39.8	2.74	3.9	80	0.08	21.0	0.48	281	2.16	0.037	31.2	951	12.18	0.02	2.88	3.6	1.4	34.5	0.06	6.1	0.007	0.10	0.8	36	0.1	116.0
183	KW38+00N11+25E	2	0.2	0.90	11.2	214.5	0.16	0.27	0.37	6.6	14.0	30.3	2.21	3.5	70	0.06	23.5	0.42	215	1.78	0.036	25.3	868	8.13	0.02	3.10	3.1	1.1	25.5	0.04	5.2	0.005	0.08	0.7	36	<0.1	109.3
184	KW38+00N11+50EN/S																																				
185	KW38+00N11+75E	2	0.1	1.13	10.5	280.0	0.16	0.37	0.27	9.1	17.5	25.6	2.29	3.9	90	0.06	19.0	0.49	249	1.61	0.036	19.9	848	13.66	0.04	2.26	2.8	1.1	30.5	0.06	4.5	0.003	0.08	0.8	42	0.1	84.7
186	KW38+00N12+00E	1	0.2	1.01	11.0	293.5	0.14	0.30	0.21	6.4	15.5	24.9	2.36	3.6	60	0.05	20.0	0.46	197	1.62	0.036	23.1	755	8.49	0.02	2.24	2.7	1.3	25.0	0.04	4.1	0.005	0.06	0.9	38	0.1	91.0
187	KW38+00N00+25W	2	0.2	0.96	15.3	262.0	0.14	0.59	0.28	5.7	14.0	20.5	2.18	3.6	55	0.07	18.5	0.41	217	2.13	0.039	17.6	919	9.22	0.04	2.48	2.4	1.2	45.0	0.04	3.0	0.007	0.08	0.9	38	0.1	100.5
QC DATA:																																					
Repeat:																																					
3	KW35+00N05+00E	3	0.1	0.90	16.6	305.0	0.18	0.52	0.69	8.7	15.0	31.9	2.50	4.0	60	0.09	17.5	0.33	314	2.32	0.031	26.7	827	12.49	0.06	2.52	3.2	1.3	36.5	0.04	3.5	0.004	0.10	1.1	38	0.1	112.0
10	KW35+00N06+75E	2	2.2	0.92	17.6	192.0	0.16	0.81	0.33	6.8	13.5	21.5	2.41	3.9	50	0.06	13.5	0.36	463	1.58	0.030	17.7	1000	11.95	0.06	1.66	1.9	1.1	57.5	0.06	2.1	0.008	0.10	1.2	36	0.2	117.0
28	KW35+00N11+25E	3	0.1	0.96	16.4	200.0	0.22	0.21	0.35	9.9	15.0	26.3	2.64	4.6	55	0.06	20.0	0.31	451	1.83	0.027	21.3	778	16.11	<0.02	2.16	2.1	0.9	24.5	0.10	4.4	0.006	0.10	0.7	38	0.2	88.6
36	KW35+00N13+25E	2	0.1	0.77	7.4	136.0	0.12	0.39	0.12	3.8	10.0	13.2	1.37	3.2	35	0.04	12.5	0.30	147	0.76	0.035	12.1	885	7.99	0.02	0.94	1.0	0.6	32.0	0.04	2.2	0.009	0.06	0.5	22	0.1	52.2
45	KW36+00N04+25E	3	0.1	0.59	10.0	126.5	0.12	0.39	0.15	4.4	8.0	14.0	1.45	2.8	45	0.04	10.5	0.24	229	1.16	0.040	14.4	777	7.23	<0.02	1.22	1.2	0.7	26.0	0.10	1.4	0.009	0.06	0.7	22	<0.1	67.3
54	KW36+00N06+50E	2	0.5	1.57	28.0	188.5	0.28	0.17	0.36	8.7	24.0	18.0	4.93	6.3	25	0.05	14.5	0.35	360	2.88	0.033	21.3	698	22.50	<0.02	3.26	2.1	0.7	15.5	0.06	3.3	0.002	0.14	0.5	64	0.2	137.1
66	KW36+00N09+50E	2	0.2	1.12	14.3	222.0	0.18	0.93	0.27	7.3	15.0	18.9	2.34	4.4	95	0.05	13.0	0.39	568	1.00	0.040	14.2	897	16.78	0.10	1.20	2.4	1.3	62.5	0.04	2.7	0.004	0.10	1.9	34	<0.1	92.2
73	KW36+00N11+25E	5	0.1	0.78	9.6	209.6	0.18	0.32	0.32	7.9	13.0	26.1	1.96	3.9	65	0.05	20.0	0.36	364	1.11	0.036	20.2	923	10.23	<0.02	1.44	2.5	0.9	29.0	0.28	4.9	0.007	0.08	0.7	26	0.1	69.0
80	KW36+00N13+00E	6	0.2	1.22	9.6	346.5	0.20	0.40	0.09	7.1	18.0	24.7	2.27	5.1	100	0.06	21.0	0.49	275	1.28	0.032	20.9	969	10.19	<0.02	1.38	2.9	1.0	35.5	0.38	5.9	0.004	0.12	1.0	36	0.2	68.1
89	KW37+00N01+00E	3	0.2	0.89	12.5	239.0	0.14	0.85	0.74	7.4	11.5	25.3	1.97	3.4	55	0.05	14.0	0.30	406	1.34	0.039	20.2	774	12.51	0.04	1.68	1.9	1.1	51.0	0.04	1.9	0.004	0.08	1.1	26	<0.1	109.7
98	KW37+00N03+25E	3	0.1	1.19	17.0	194.5	0.24	0.09	0.30	8.3	16.0	19.7	3.25	4.5	35	0.05	18.0	0.29	241	1.86	0.027	21.2	451	15.02	<0.02	2.16	1.9	0.9	11.5	0.44	4.1	0.003	0.14	0.6	38	0.2	73.6
106	KW37+00N05+25E	2	0.4	1.07	10.6	201.0	0.16	0.12	0.32	8.4	12.5	23.4	1.96	3.7	80	0.07	15.5	0.23	427	1.39	0.033	14.4	546	10.82	0.02	1.44	2.0	0.7	14.5	0.04	1.9	0.003	0.10	0.8	32	0.3	63.3
115	KW37+00N07+50E	2	0.2	1.05	11.2	236.5	0.16	0.41	0.12	7.7	15.0	18.0	2.07	3.9	90	0.06	18.5	0.44	167	1.17	0.030	15.5	884	10.21	0.04	1.56	2.5	1.2	44.5	0.04	4.3	0.004	0.06	0.9	32	0.2	69.3
124	KW37+00N09+75E	7	0.4	0.76	59.8	247.5	0.14	0.37	0.12	6.4	9.5	16.5	2.89	3.0	55	0.07	23.5	0.20	347	1.43	0.026	11.1	552	18.37	0.06	7.38	2.0	1.0	37.5	0.02	5.5	0.002	0.08	1.1	22	0.3	69.1
133	KW37+00N12+00E	3	0.3	1.06	8.9	312.5	0.18	0.46	0.35	7.9	15.0	25.6	2.24	3.7	105	0.06	13.0	0.40	252	1.15	0.037	17.7	681	12.58	0.06	1.24	2.8	1.3	42.5	0.02	3.5	0.007	0.10	1.5	34	0.2	63.1
141	KW38+00N00+75E	3	0.4	1.22	15.2	746.5	0.20	1.40	0.45	10.6	16.5	50.1	2.55	3.7	130	0.06	16.5	0.39	553	1.65	0.035	33.3	792	14.91	0.08	2.08	3.2	3.0	91.5	0.04	1.9	0.002	0.08	3.1	38	0.1	59.5
151	KW38+00N03+25E	1	<0.1	0.66	10.6	139.5	0.14	0.08	0.10	3.3	7.5	8.5	1.63	3.1	10	0.03	14.5	0.15	131	1.58	0.030	7.3	266	6.98	<0.02	1.50	0.8	0.4	9.0	0.04	1.9	0.003	0.06	0.3	32	0.1	40.4
159	KW38+00N05+25E	2	0.2	0.93	11.9	348.0	0.16	0.21	0.23	6.5	11.0	21.1	2.02	3.3	40	0.05	13.0	0.25	217	1.57	0.038	16.3	433	8.81	0.02	1.98	1.5	0.7	20.5	0.04	1.8	0.003	0.08	0.6	32	0.1	62.6
168	KW38+00N07+50E	2	0.2	0.78	13.2	309.5	0.22	0.27	0.65	8.6	13.5	33.8	2.64	2.9	80	0.06	19.0	0.25	124	2.28	0.034	26.3	725	13.64	0.02	4.94	4.1	2.6	32.5	0.06	5.1	0.002	0.08	1.6	34	0.1	132.1
178	KW38+00N10+00E	2	0.3	1.27	14.0	364.5	0.26	0.78	0.30	18.7	18.5	19.9	3.63	4.2	95	0.07	15.0	0.48	590	1.60	0.036	16.8	839	21.27	0.06	1.32	3.9	1.5	62.5	0.04	3.9	0.001	0.12	2.4	42	0.1	103.0

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AW 2010- 8071** **TerraLogic Exploration Inc.**

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
Standard:																																				
OXE74		628	<0.1	1.68	1.2	62.5	<0.02	0.81	0.05	19.5	56.5	25.0	3.03	6.4	5	0.36	12.5	1.43	467	1.86	0.748	75.1	1085	14.29	0.04	0.06	1.2	0.3	173.5	0.08	1.8	0.391	0.06	0.6	52	0.2	43.8
OXE74		605	<0.1	1.64	1.3	68.5	<0.02	0.82	0.04	20.9	60.5	26.6	3.26	7.0	5	0.42	14.5	1.52	472	1.83	0.823	80.5	998	13.46	0.02	0.06	1.3	0.3	183.0	0.06	1.7	0.403	0.04	0.6	56	0.3	42.0
OXE74		615	<0.1	1.63	1.2	63.0	<0.02	0.82	0.02	21.8	56.5	24.6	3.08	6.5	5	0.37	13.5	1.42	468	1.87	0.738	75.6	989	15.00	0.02	0.04	1.2	0.3	176.0	0.04	1.8	0.399	0.04	0.7	52	0.3	43.3
OXE74		605	<0.1	1.62	1.5	62.5	<0.02	0.76	0.02	19.9	55.5	25.3	3.19	6.0	5	0.39	12.5	1.49	462	1.92	0.691	69.7	1019	14.41	0.04	0.02	1.2	0.2	174.0	0.06	1.7	0.402	0.04	0.5	52	0.2	43.8
OXE74		617	<0.1	1.65	1.6	72.0	<0.02	0.86	0.03	22.7	63.5	28.5	3.34	6.8	5	0.45	14.0	1.52	502	1.86	0.805	79.6	991	15.50	0.04	0.04	1.3	0.3	176.0	0.04	1.9	0.401	0.04	0.6	50	0.3	44.4
OXE74		625	<0.1	1.58	1.5	68.5	<0.02	0.83	0.03	21.5	60.5	27.1	3.17	6.5	5	0.43	13.5	1.45	475	1.86	0.777	75.1	984	15.52	0.04	0.02	1.4	0.2	188.5	0.06	1.8	0.402	0.04	0.6	56	0.2	42.7

Aqua Regia Digest/ICPMS Finish

NM/nw
df/msr8071AuAS/msr8071AuBS
XLS/10

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

Certificate of Analysis

Work Order: TO111821

To: **Account Payable**
COD SGS Minerals
C/O #50-655 West Kent Avenue N.
VANCOUVER
BC V6P 6T7

Date: Oct 26, 2010

P.O. No.	:	Terralogic Exploration/Shipment#KW10+001
Project No.	:	-
No. Of Samples	:	99
Date Submitted	:	Sep 29, 2010
Report Comprises	:	Pages 1 to 19 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM44+00N 00+25E	51	30	10	0.2	4660	<1	410	25	57	73
KWM44+00N 00+50E	38	162	90	0.2	15900	2	250	179	515	82
KWM44+00N 00+75E	72	55	50	0.3	13100	1	270	113	164	31
KWM44+00N 01+00E	102	26	<10	0.2	15600	<1	440	102	35	55
KWM44+00N 01+25E	37	32	<10	0.2	4010	<1	650	28	59	12
KWM44+00N 01+50E	40	27	10	0.1	3680	<1	410	55	24	32
KWM44+00N 01+75E	56	11	<10	<0.1	6990	<1	280	127	5	310
KWM44+00N 02+00E	44	147	70	0.1	8650	1	220	93	302	97
KWM44+00N 02+25E	32	66	<10	<0.1	4300	<1	330	426	34	321
KWM44+00N 08+00E	10	>300	160	<0.1	5570	2	50	9	127	50
KWM44+00N 08+25E	45	119	10	0.2	10900	<1	280	150	82	318
KWM44+00N 08+50E	34	76	50	0.2	17400	1	350	86	306	142
KWM44+00N 08+75E	46	79	70	0.3	14000	1	410	228	497	169
KWM44+00N 09+00E	23	95	<10	0.2	6280	<1	430	92	62	303
KWM44+00N 09+25E	40	41	<10	0.2	6650	<1	530	47	90	65
KWM44+00N 09+50E	31	96	<10	0.1	18700	<1	450	61	128	203
KWM44+00N 09+75E	26	137	10	0.2	11100	<1	200	106	65	385
KWM44+00N 10+00E	34	107	<10	0.1	16800	<1	500	49	143	23
KWM44+00N 10+50E	39	158	40	0.1	19800	1	280	173	286	64
KWM44+00N 10+75E	23	115	40	0.2	6770	1	280	64	144	192
KWM44+00N 11+00E	33	130	30	0.5	9820	<1	140	14	44	140
KWM44+00N 11+25E	10	>300	20	<0.1	3520	2	60	98	85	191
KWM44+00N 11+50E	8	104	50	0.4	12200	<1	240	29	207	18
KWM44+00N 11+75E	56	234	350	0.4	12900	2	170	195	144	132
KWM44+00N 12+00E	85	58	50	1.8	3390	<1	430	75	25	52
KWM44+00N 12+25E	24	142	300	0.7	7020	<1	200	143	453	124
KWM44+00N 12+50E	71	24	40	1.1	7950	<1	480	114	86	49
KWM44+00N 12+75E	20	56	20	<0.1	11300	<1	280	68	118	27
KWM44+00N 13+00E	121	21	<10	0.3	2000	<1	430	151	7	113
KWM44+00N 13+25E	10	208	<10	<0.1	5770	<1	170	219	35	385
KWM44+00N 13+75E	88	226	60	0.2	10200	2	100	104	879	150
KWM44+00N 14+00E	15	141	40	<0.1	7340	<1	320	123	96	53
KWM43+50N 03+75E	12	273	110	<0.1	5850	1	130	85	200	54
KWM43+50N 04+00E	17	>300	100	<0.1	2260	2	10	20	87	30
KWM43+50N 04+25E	8	>300	120	<0.1	2310	2	<10	13	56	39
KWM43+50N 04+50E	7	259	130	<0.1	2640	2	50	38	162	70
KWM43+50N 04+75E	6	147	90	<0.1	4300	1	280	60	136	96
KWM43+50N 05+00E	16	135	30	0.1	5790	1	220	65	98	440
KWM43+50N 05+10E	35	103	40	0.1	7100	<1	320	150	157	600
KWM43+50N 05+20E	9	127	40	0.1	5790	1	100	110	52	553
KWM43+50N 05+30E	38	51	170	0.5	2860	<1	330	70	138	153
KWM43+50N 05+40E	12	168	<10	<0.1	12900	<1	350	13	29	351
KWM43+50N 05+50E	16	151	50	<0.1	9760	<1	370	11	151	49

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11119A21 Order: Terralogic Exploration/Shipment#KW10-001

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM43+50N 05+75E	23	164	40	0.1	10500	<1	320	55	393	32
KWM43+50N 06+00E	15	184	50	0.2	7400	2	200	31	366	185
KWM43+00N 00+00W	6	131	130	<0.1	2180	1	270	40	77	90
KWM43+00N 00+50W	39	152	20	0.6	3490	1	130	60	204	116
KWM43+00N 00+75W	41	164	40	0.2	6090	<1	310	83	313	46
KWM43+00N 01+00W	22	157	120	0.2	15100	2	200	108	662	149
KWM43+00N 01+25W	85	145	<10	0.4	9880	<1	450	91	279	45
KWM43+00N 01+50W	85	135	<10	0.3	12600	<1	460	112	171	20
KWM43+00N 01+75W	39	194	10	0.3	8180	<1	370	199	215	62
KWM43+00N 02+00W	128	29	<10	0.4	9600	<1	560	104	29	71
KWM43+00N 02+25W	83	60	<10	0.2	4450	<1	500	106	50	21
KWM43+00N 02+75W	22	122	<10	<0.1	3090	<1	440	78	170	28
KWM43+00N 03+00W	43	217	70	<0.1	7510	1	240	130	448	302
KWM43+00N 03+25W	9	62	10	<0.1	3180	<1	570	121	71	46
KWM43+00N 03+75W	68	26	<10	<0.1	8030	<1	490	53	15	247
KWM43+00N 04+00W	12	28	<10	<0.1	1140	<1	510	238	19	30
KWM43+00N 00+50E	2	51	30	<0.1	1870	<1	280	34	17	37
KWM43+00N 01+00E	19	128	<10	<0.1	3450	<1	370	110	198	49
KWM43+00N 01+25E	12	116	<10	<0.1	4420	<1	440	65	61	12
KWM43+00N 01+50E	42	23	<10	0.1	3520	<1	480	72	51	141
KWM43+00N 01+75E	2	131	<10	<0.1	15400	<1	250	68	20	630
KWM43+00N 02+00E	76	40	<10	0.1	20400	<1	440	52	85	159
KWM43+00N 02+25E	9	299	50	<0.1	5380	2	90	88	205	188
KWM43+00N 02+50E	22	240	<10	<0.1	16200	<1	100	35	77	179
KWM43+00N 02+75E	34	213	30	0.1	16800	<1	240	26	718	73
KWM43+00N 03+00E	14	174	60	0.1	7910	1	200	38	335	204
KWM43+00N 03+25E	17	153	30	0.2	12500	<1	250	14	394	202
KWM43+00N 03+50E	11	130	<10	<0.1	3170	2	320	336	38	154
KWM43+00N 03+75E	1	119	<10	<0.1	1810	<1	370	108	55	29
KWM43+00N 04+00E	23	139	80	0.1	12600	2	210	14	417	93
KWM43+00N 04+25E	26	>300	50	0.1	6260	1	100	52	339	129
KWM43+00N 06+00E	12	89	20	0.2	7900	<1	300	16	120	23
KWM43+00N 06+25E	61	32	80	0.4	6170	<1	350	103	118	31
KWM43+00N 06+50E	16	190	50	0.2	9750	1	240	32	350	123
KWM43+00N 06+75E	64	54	<10	0.4	21600	<1	390	57	159	17
KWM43+00N 07+00E	23	135	<10	<0.1	15300	<1	300	113	30	339
KWM43+00N 07+25E	77	25	<10	0.2	19300	<1	500	21	6	16
KWM43+00N 07+50E	12	134	90	0.3	11200	<1	160	31	365	55
KWM43+00N 07+75E	29	207	<10	0.3	13000	<1	190	155	170	131
KWM43+00N 08+00E	18	165	40	0.2	7830	<1	330	56	305	145
KWM43+00N 08+25E	69	147	<10	0.3	21600	<1	410	117	403	205
KWM43+00N 08+50E	80	40	<10	0.3	10400	<1	540	80	70	488
KWM43+00N 08+75E	41	130	<10	0.3	15300	<1	340	46	251	18

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM43+00N 09+00E	16	109	30	0.4	8900	<1	410	75	126	160
KWM43+00N 09+25E	5	232	100	<0.1	5840	1	210	54	162	103
KWM43+00N 09+50E	10	122	240	0.1	11200	3	240	45	351	101
KWM43+00N 09+75E	45	58	50	0.9	8180	<1	350	53	58	14
KWM43+00N 10+00E	37	249	360	0.3	14900	3	210	99	738	102
KWM43+00N 10+25E	56	>300	650	1.7	6300	2	50	80	400	140
KWM43+00N 10+50E	4	>300	40	<0.1	8670	<1	170	13	494	39
KWM43+00N 10+75E	4	224	90	<0.1	3390	<1	20	22	144	86
KWM43+50N 11+00E	31	267	90	0.1	7500	2	120	15	348	99
KWM43+50N 11+25E	19	237	270	0.2	5110	1	120	42	312	140
KWM43+50N 11+50E	4	>300	80	<0.1	6520	<1	50	111	347	28
KWM43+00N 12+00E	17	135	20	0.2	11000	2	160	118	111	766
KWM43+50N 15+50E	17	62	<10	0.2	2350	<1	480	154	82	192
*Rep KWM44+00N 08+75E	47	88	40	0.3	12700	<1	420	309	424	87
*Rep KWM44+00N 09+25E	38	37	<10	0.2	6920	<1	510	44	103	88
*Rep KWM44+00N 14+00E	15	139	40	<0.1	6620	<1	300	115	91	109
*Rep KWM43+50N 05+20E	14	122	70	0.1	6490	2	140	113	171	583
*Rep KWM43+00N 00+50E	3	60	20	<0.1	1840	<1	310	43	18	37
*Rep KWM43+00N 02+50E	19	235	<10	<0.1	17500	<1	110	36	47	151
*Rep KWM43+00N 10+00E	35	237	310	0.2	14700	3	210	101	730	93
*Rep KWM43+50N 11+50E	3	>300	80	<0.1	6530	1	50	105	332	27
*Std MMISRM16	17	63	10	26.6	80	<1	250	5	16	68
*Std AMIS0169	7	96	<10	0.6	700	<1	40	2	1020	124
*Std MMISRM18	18	37	<10	7.6	140	<1	200	75	24	68
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11U021 Order: Terralogic Exploration/Shipment#KW104-001

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM44+00N 00+25E	<100	2.7	570	11	4.9	3.6	49	44	16	<1
KWM44+00N 00+50E	<100	2.7	2330	158	78.4	43.9	126	148	196	<1
KWM44+00N 00+75E	<100	1.7	1410	40	18.3	12.3	49	119	54	<1
KWM44+00N 01+00E	<100	<0.5	2310	14	6.5	4.1	9	142	20	<1
KWM44+00N 01+25E	<100	<0.5	800	21	9.0	6.7	47	36	31	<1
KWM44+00N 01+50E	<100	1.1	1070	10	4.4	2.6	27	34	13	<1
KWM44+00N 01+75E	<100	1.1	1280	4	1.7	0.8	3	64	5	8
KWM44+00N 02+00E	<100	6.9	2160	136	73.3	27.3	220	80	124	<1
KWM44+00N 02+25E	<100	1.2	2040	22	13.3	3.0	276	39	15	<1
KWM44+00N 08+00E	100	35.0	150	18	8.1	6.2	157	62	26	<1
KWM44+00N 08+25E	<100	0.8	2770	65	42.3	9.0	227	95	44	<1
KWM44+00N 08+50E	<100	1.3	2210	68	33.8	19.8	98	148	82	<1
KWM44+00N 08+75E	<100	1.2	5330	110	62.9	31.1	144	115	127	<1
KWM44+00N 09+00E	<100	0.6	3440	31	19.9	4.9	198	51	24	<1
KWM44+00N 09+25E	<100	<0.5	3030	21	10.6	6.1	37	55	27	<1
KWM44+00N 09+50E	<100	<0.5	2440	40	22.6	8.7	133	150	40	<1
KWM44+00N 09+75E	<100	1.0	2430	52	35.0	6.1	315	92	32	<1
KWM44+00N 10+00E	<100	<0.5	2130	60	34.1	12.3	113	134	58	<1
KWM44+00N 10+50E	<100	0.7	3430	174	98.5	33.7	207	160	159	<1
KWM44+00N 10+75E	<100	1.3	3090	55	28.7	12.4	246	58	57	<1
KWM44+00N 11+00E	<100	3.0	3110	18	14.8	2.1	384	82	10	<1
KWM44+00N 11+25E	<100	2.2	460	36	21.0	7.6	180	39	36	<1
KWM44+00N 11+50E	<100	14.8	300	41	15.1	13.0	43	100	61	<1
KWM44+00N 11+75E	<100	18.1	280	24	8.9	6.8	122	110	30	<1
KWM44+00N 12+00E	<100	29.2	1120	6	2.6	2.7	10	26	12	<1
KWM44+00N 12+25E	<100	16.5	820	100	35.2	30.2	74	59	124	<1
KWM44+00N 12+50E	<100	11.0	1480	27	9.1	9.1	9	66	39	<1
KWM44+00N 12+75E	<100	4.4	850	56	24.1	17.3	27	93	78	<1
KWM44+00N 13+00E	<100	0.7	4440	4	2.4	1.0	17	17	5	<1
KWM44+00N 13+25E	<100	1.0	940	25	17.2	2.8	173	51	13	<1
KWM44+00N 13+75E	<100	7.1	570	99	31.5	33.7	112	87	141	<1
KWM44+00N 14+00E	<100	20.3	830	30	12.6	7.8	69	81	34	<1
KWM43+50N 03+75E	<100	3.5	340	29	13.4	9.4	202	67	39	<1
KWM43+50N 04+00E	<100	1.7	220	7	3.3	2.1	190	84	8	<1
KWM43+50N 04+25E	<100	2.7	160	6	3.6	1.6	196	53	7	<1
KWM43+50N 04+50E	100	10.2	310	15	6.9	5.8	276	50	21	<1
KWM43+50N 04+75E	<100	8.1	510	20	9.8	5.6	124	43	23	<1
KWM43+50N 05+00E	<100	1.1	2360	40	23.0	7.5	254	48	35	<1
KWM43+50N 05+10E	<100	1.3	3670	68	39.9	14.7	185	59	87	<1
KWM43+50N 05+20E	<100	3.2	2560	36	25.5	4.1	356	50	20	<1
KWM43+50N 05+30E	<100	2.5	1040	53	25.8	12.7	137	25	62	<1
KWM43+50N 05+40E	<100	0.9	1160	87	74.4	5.8	201	104	35	<1
KWM43+50N 05+50E	<100	0.8	950	48	24.4	10.9	89	79	49	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM43+50N 05+75E	<100	1.0	2030	113	54.9	29.0	80	87	128	<1
KWM43+50N 06+00E	<100	2.0	2110	95	44.5	23.7	207	65	103	<1
KWM43+00N 00+00W	<100	23.4	520	13	5.7	3.6	121	25	15	<1
KWM43+00N 00+50W	<100	6.4	4020	94	54.4	19.7	198	33	85	<1
KWM43+00N 00+75W	<100	2.2	910	85	43.4	21.3	80	52	95	<1
KWM43+00N 01+00W	<100	2.6	1040	153	89.4	50.4	120	126	208	1
KWM43+00N 01+25W	<100	1.0	1950	87	44.0	21.6	53	79	100	<1
KWM43+00N 01+50W	<100	0.6	1880	74	40.3	17.6	34	101	83	<1
KWM43+00N 01+75W	<100	0.7	1080	113	63.7	24.8	89	68	113	1
KWM43+00N 02+00W	<100	1.0	1820	12	5.4	4.0	8	77	19	1
KWM43+00N 02+25W	<100	2.0	1120	17	7.8	5.6	15	36	24	<1
KWM43+00N 02+75W	<100	61.5	2060	58	27.3	18.3	31	26	76	<1
KWM43+00N 03+00W	<100	23.7	1830	173	92.9	41.0	134	63	176	<1
KWM43+00N 03+25W	<100	6.1	4450	25	14.2	7.8	36	26	33	<1
KWM43+00N 03+75W	<100	0.8	1710	16	9.1	2.8	9	65	15	2
KWM43+00N 04+00W	<100	6.6	280	10	5.5	2.2	9	10	10	<1
KWM43+00N 00+50E	<100	11.3	300	3	1.4	0.7	33	17	4	<1
KWM43+00N 01+00E	<100	2.4	700	24	12.0	6.1	29	29	28	<1
KWM43+00N 01+25E	<100	1.3	550	12	6.1	3.4	17	37	16	<1
KWM43+00N 01+50E	<100	<0.5	3030	15	6.8	4.5	11	29	22	<1
KWM43+00N 01+75E	<100	1.4	1560	29	45.5	1.7	259	126	10	<1
KWM43+00N 02+00E	<100	0.5	1460	46	25.7	10.5	10	164	54	6
KWM43+00N 02+25E	<100	1.4	1200	112	56.3	21.5	188	51	102	<1
KWM43+00N 02+50E	<100	0.9	1930	297	214	20.1	184	130	119	<1
KWM43+00N 02+75E	<100	1.4	1830	268	134	69.4	75	134	307	<1
KWM43+00N 03+00E	<100	2.1	540	59	25.9	17.2	155	71	74	<1
KWM43+00N 03+25E	<100	1.3	1830	107	50.7	30.8	103	100	132	<1
KWM43+00N 03+50E	<100	0.6	2060	39	26.0	4.7	217	27	24	<1
KWM43+00N 03+75E	<100	<0.5	660	53	36.5	7.3	22	16	37	<1
KWM43+00N 04+00E	<100	4.4	710	69	30.1	22.9	104	104	94	<1
KWM43+00N 04+25E	100	8.2	500	38	13.7	12.6	138	60	49	<1
KWM43+00N 06+00E	<100	1.7	320	15	6.1	4.8	52	83	20	<1
KWM43+00N 06+25E	<100	0.9	2110	35	18.0	10.1	56	49	42	2
KWM43+00N 06+50E	<100	2.4	740	57	24.8	18.0	113	83	75	<1
KWM43+00N 06+75E	<100	0.5	1560	68	33.5	19.1	15	171	67	4
KWM43+00N 07+00E	<100	<0.5	660	43	29.1	4.1	176	123	23	<1
KWM43+00N 07+25E	<100	<0.5	1130	22	11.2	4.1	6	151	26	8
KWM43+00N 07+50E	<100	4.5	600	55	22.6	19.4	105	94	79	<1
KWM43+00N 07+75E	<100	1.1	1600	120	69.6	19.3	113	107	98	<1
KWM43+00N 08+00E	<100	2.9	1070	47	19.2	14.9	70	65	62	<1
KWM43+00N 08+25E	<100	<0.5	2770	134	82.0	27.5	79	169	127	<1
KWM43+00N 08+50E	<100	<0.5	6300	16	10.6	4.9	33	82	23	<1
KWM43+00N 08+75E	<100	0.5	3430	122	66.6	27.5	73	123	132	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relete to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11I021 Order: Terralogic Exploration/Shipment#KW10-V01

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM43+00N 09+00E	<100	0.8	2850	33	17.9	8.7	89	72	40	<1
KWM43+00N 09+25E	<100	1.9	490	51	24.7	13.9	132	50	60	<1
KWM43+00N 09+50E	<100	5.7	800	61	28.5	19.5	149	93	75	<1
KWM43+00N 09+75E	<100	12.0	890	29	12.9	9.6	21	65	42	<1
KWM43+00N 10+00E	<100	27.9	540	105	38.5	32.6	140	122	138	<1
KWM43+00N 10+25E	100	18.0	350	61	21.4	20.2	181	60	82	<1
KWM43+00N 10+50E	<100	109	140	44	21.8	10.7	98	74	47	<1
KWM43+00N 10+75E	<100	12.0	200	19	8.0	7.2	112	34	27	<1
KWM43+50N 11+00E	<100	4.0	520	68	28.7	21.7	167	73	91	<1
KWM43+50N 11+25E	<100	13.2	330	50	18.3	15.5	96	45	68	<1
KWM43+50N 11+50E	<100	6.7	270	18	8.4	5.6	158	74	25	<1
KWM43+00N 12+00E	<100	0.7	4070	38	23.6	7.5	256	88	33	<1
KWM43+50N 15+50E	<100	0.6	3700	15	8.4	4.1	77	19	18	<1
*Rep KWM44+00N 08+75E	<100	1.0	4490	100	58.8	28.1	101	105	113	<1
*Rep KWM44+00N 09+25E	<100	<0.5	3200	23	11.5	8.5	48	58	28	<1
*Rep KWM44+00N 14+00E	<100	20.4	890	28	11.5	7.7	80	55	33	<1
*Rep KWM43+50N 05+20E	<100	3.2	3970	72	41.5	14.2	374	56	65	<1
*Rep KWM43+00N 00+50E	<100	11.1	340	3	1.6	0.9	26	17	4	<1
*Rep KWM43+00N 02+50E	<100	0.9	1720	243	208	11.8	167	140	74	<1
*Rep KWM43+00N 10+00E	<100	31.0	530	107	39.5	32.6	120	119	139	<1
*Rep KWM43+50N 11+50E	<100	6.6	250	18	8.2	5.5	157	74	24	<1
*Std MMISRM16	<100	13.1	680	3	1.0	1.2	2	<1	5	20
*Std AMIS0169	<100	7.6	3910	36	15.9	15.4	47	15	66	<1
*Std MMISRM18	<100	5.8	800	4	1.6	1.5	3	1	6	5
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM44+00N 00+25E	<0.5	16.8	25	10	49	2070	8	0.9	42	291
KWM44+00N 00+50E	<0.5	22.9	228	<5	12	3900	10	2.3	438	1150
KWM44+00N 00+75E	<0.5	21.5	71	<5	14	2510	10	1.0	129	497
KWM44+00N 01+00E	<0.5	38.4	15	13	23	3160	14	<0.5	34	615
KWM44+00N 01+25E	<0.5	12.2	32	21	28	440	17	<0.5	89	449
KWM44+00N 01+50E	<0.5	9.2	10	8	42	2410	34	0.6	23	310
KWM44+00N 01+75E	<0.5	22.8	1	21	27	16400	55	<0.5	3	801
KWM44+00N 02+00E	0.5	20.7	116	7	21	3380	8	1.1	226	1370
KWM44+00N 02+25E	<0.5	3.5	10	5	44	1640	<5	<0.5	21	2110
KWM44+00N 08+00E	<0.5	16.9	58	<5	4	1060	7	3.0	66	82
KWM44+00N 08+25E	<0.5	5.5	34	6	24	13400	6	0.6	65	2770
KWM44+00N 08+50E	<0.5	12.9	149	7	34	11400	13	0.9	221	724
KWM44+00N 08+75E	<0.5	8.6	210	12	43	8390	15	0.9	348	2300
KWM44+00N 09+00E	<0.5	6.1	22	<5	65	9750	8	0.6	42	2360
KWM44+00N 09+25E	<0.5	5.5	29	<5	96	1250	11	<0.5	61	1460
KWM44+00N 09+50E	<0.5	4.1	46	<5	69	20300	7	0.6	91	1870
KWM44+00N 09+75E	<0.5	7.2	25	7	21	7050	8	0.9	48	2140
KWM44+00N 10+00E	<0.5	8.5	62	9	88	320	<5	<0.5	113	1410
KWM44+00N 10+50E	<0.5	8.5	106	8	38	1670	11	<0.5	249	3150
KWM44+00N 10+75E	<0.5	12.3	59	<5	67	8140	30	1.7	118	1070
KWM44+00N 11+00E	<0.5	15.7	19	7	52	380	7	0.8	23	941
KWM44+00N 11+25E	<0.5	20.2	32	<5	12	1970	<5	3.1	71	280
KWM44+00N 11+50E	<0.5	16.3	80	<5	29	620	8	<0.5	143	143
KWM44+00N 11+75E	<0.5	18.6	58	<5	19	2750	8	1.3	61	171
KWM44+00N 12+00E	<0.5	25.8	12	19	28	1410	<5	<0.5	24	115
KWM44+00N 12+25E	<0.5	25.3	159	<5	19	6890	7	0.5	286	328
KWM44+00N 12+50E	<0.5	17.6	21	13	29	1820	9	<0.5	62	249
KWM44+00N 12+75E	<0.5	14.2	49	<5	56	1580	8	<0.5	141	407
KWM44+00N 13+00E	<0.5	25.0	<1	79	173	12000	48	<0.5	8	1000
KWM44+00N 13+25E	<0.5	5.8	13	<5	44	10300	5	0.6	22	1280
KWM44+00N 13+75E	<0.5	15.8	306	<5	2	8680	10	1.6	415	157
KWM44+00N 14+00E	<0.5	18.5	29	<5	28	1240	20	0.9	88	375
KWM43+50N 03+75E	<0.5	27.0	84	7	14	2550	10	4.9	136	132
KWM43+50N 04+00E	<0.5	13.4	43	<5	2	3080	8	8.0	37	34
KWM43+50N 04+25E	<0.5	12.1	27	14	3	720	10	8.5	27	56
KWM43+50N 04+50E	<0.5	12.5	64	9	5	3770	14	6.3	95	67
KWM43+50N 04+75E	<0.5	25.5	45	8	41	8340	17	2.1	74	269
KWM43+50N 05+00E	<0.5	10.9	35	6	44	16000	20	1.1	87	1460
KWM43+50N 05+10E	<0.5	12.4	57	35	50	14300	12	0.6	128	2250
KWM43+50N 05+20E	<0.5	14.5	21	27	29	3150	6	1.0	35	2060
KWM43+50N 05+30E	<0.5	17.7	58	21	66	14100	10	0.6	111	828
KWM43+50N 05+40E	<0.5	8.1	12	11	88	2010	<5	<0.5	27	2800
KWM43+50N 05+50E	<0.5	10.7	54	7	55	1950	<5	0.7	108	716

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client end are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11021 Order: Terralogic Exploration/Shipment#KW10-001

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM43+50N 05+75E	<0.5	10.1	144	6	45	2000	6	0.7	293	1170
KWM43+50N 06+00E	<0.5	8.9	142	6	24	4580	10	2.3	243	588
KWM43+00N 00+00W	<0.5	22.4	24	10	32	8860	15	2.2	39	195
KWM43+00N 00+50W	<0.5	19.2	92	12	16	10500	13	2.1	168	1540
KWM43+00N 00+75W	<0.5	27.8	79	31	44	7960	8	1.1	181	1120
KWM43+00N 01+00W	<0.5	19.8	219	12	54	7820	12	2.3	510	1210
KWM43+00N 01+25W	<0.5	12.8	85	38	43	3300	<5	0.5	192	1430
KWM43+00N 01+50W	<0.5	35.9	64	10	58	2250	5	<0.5	148	2530
KWM43+00N 01+75W	<0.5	21.1	69	28	49	6230	<5	0.8	202	1840
KWM43+00N 02+00W	<0.5	20.9	9	43	58	3550	19	<0.5	30	1370
KWM43+00N 02+25W	<0.5	35.4	19	25	51	1900	8	<0.5	47	814
KWM43+00N 02+75W	<0.5	21.5	92	30	49	690	5	<0.5	181	1010
KWM43+00N 03+00W	<0.5	61.1	184	15	28	10300	7	0.9	367	1650
KWM43+00N 03+25W	<0.5	16.0	41	115	53	3400	15	<0.5	80	2570
KWM43+00N 03+75W	<0.5	22.8	4	34	64	7280	18	<0.5	14	869
KWM43+00N 04+00W	<0.5	28.5	3	111	45	5030	12	<0.5	11	2060
KWM43+00N 00+50E	<0.5	28.1	5	13	55	2510	6	0.6	9	117
KWM43+00N 01+00E	<0.5	8.4	15	14	35	19400	9	<0.5	49	945
KWM43+00N 01+25E	<0.5	12.9	7	28	96	2360	<5	<0.5	22	598
KWM43+00N 01+50E	<0.5	8.1	9	6	58	3870	23	<0.5	32	684
KWM43+00N 01+75E	<0.5	10.2	7	15	49	1720	<5	<0.5	16	543
KWM43+00N 02+00E	<0.5	12.9	25	37	51	3880	13	<0.5	75	845
KWM43+00N 02+25E	<0.5	22.0	60	7	18	8070	6	1.5	175	892
KWM43+00N 02+50E	<0.5	7.5	18	13	34	720	<5	<0.5	108	2200
KWM43+00N 02+75E	<0.5	24.2	213	9	24	2120	<5	0.5	593	1570
KWM43+00N 03+00E	<0.5	15.5	104	9	24	13500	9	2.6	201	363
KWM43+00N 03+25E	<0.5	21.6	140	<5	37	6360	7	0.8	307	915
KWM43+00N 03+50E	0.5	3.3	12	56	77	3360	7	0.6	32	1040
KWM43+00N 03+75E	<0.5	3.4	17	<5	89	2070	<5	<0.5	52	433
KWM43+00N 04+00E	<0.5	14.2	138	6	26	2930	8	1.7	290	247
KWM43+00N 04+25E	<0.5	18.4	99	15	6	7690	7	3.3	150	194
KWM43+00N 06+00E	<0.5	9.1	32	6	27	1440	<5	<0.5	61	120
KWM43+00N 06+25E	<0.5	7.7	38	13	36	2120	9	<0.5	82	702
KWM43+00N 06+50E	<0.5	14.4	122	8	19	5290	5	1.7	217	423
KWM43+00N 06+75E	<0.5	8.9	50	6	43	1140	<5	<0.5	151	741
KWM43+00N 07+00E	<0.5	9.7	8	<5	44	8390	<5	<0.5	26	948
KWM43+00N 07+25E	<0.5	6.3	<1	18	58	840	14	<0.5	12	250
KWM43+00N 07+50E	<0.5	15.6	134	<5	10	3620	7	2.1	235	175
KWM43+00N 07+75E	<0.5	14.5	54	<5	20	12600	<5	0.9	148	891
KWM43+00N 08+00E	<0.5	13.9	110	<5	25	15800	7	1.2	191	206
KWM43+00N 08+25E	<0.5	5.5	101	26	42	9310	<5	<0.5	252	3270
KWM43+00N 08+50E	<0.5	11.9	24	13	111	18200	40	<0.5	58	1110
KWM43+00N 08+75E	<0.5	12.3	82	<5	73	1100	7	<0.5	234	1830

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM43+00N 09+00E	<0.5	13.2	41	<5	80	14800	24	1.1	102	990
KWM43+00N 09+25E	<0.5	19.5	51	<5	22	4210	5	1.7	128	320
KWM43+00N 09+50E	<0.5	16.8	137	5	26	3240	14	2.0	224	336
KWM43+00N 09+75E	<0.5	18.7	22	34	49	750	<5	<0.5	77	326
KWM43+00N 10+00E	<0.5	36.1	250	5	27	5650	11	2.1	354	250
KWM43+00N 10+25E	<0.5	19.9	126	8	5	4850	9	2.6	234	150
KWM43+00N 10+50E	<0.5	75.5	176	12	17	4840	<5	1.3	198	33
KWM43+00N 10+75E	<0.5	20.0	40	9	1	8040	7	1.8	93	64
KWM43+50N 11+00E	<0.5	15.0	123	6	8	3690	7	4.8	242	155
KWM43+50N 11+25E	<0.5	23.6	94	9	5	7050	14	1.6	181	117
KWM43+50N 11+50E	<0.5	20.5	156	<5	11	6430	6	4.4	149	36
KWM43+00N 12+00E	<0.5	5.8	34	<5	35	54600	13	0.6	72	1630
KWM43+50N 15+50E	<0.5	4.1	27	7	71	10700	37	0.5	50	1390
*Rep KWM44+00N 08+75E	<0.5	5.8	163	14	42	6340	11	0.8	290	2690
*Rep KWM44+00N 09+25E	<0.5	5.8	34	<5	92	2060	12	<0.5	69	1350
*Rep KWM44+00N 14+00E	<0.5	18.4	30	<5	26	2680	23	0.7	69	366
*Rep KWM43+50N 05+20E	0.6	15.2	63	24	34	11200	16	1.5	124	2250
*Rep KWM43+00N 00+50E	<0.5	29.8	5	13	62	2400	6	0.5	10	142
*Rep KWM43+00N 02+50E	<0.5	7.7	12	11	36	460	<5	<0.5	61	1930
*Rep KWM43+00N 10+00E	<0.5	36.3	240	6	28	5080	9	1.7	346	252
*Rep KWM43+50N 11+50E	<0.5	20.2	156	<5	12	6240	6	4.2	144	36
*Std MMISRM16	<0.5	46.1	3	<5	45	120	52	<0.5	14	249
*Std AMIS0169	<0.5	53.3	461	5	49	4700	<5	3.8	472	487
*Std MMISRM18	<0.5	28.7	6	<5	121	610	30	<0.5	19	484
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM44+00N 00+25E	1.8	110	<1	9	<1	33	2	12	12	<1
KWM44+00N 00+50E	4.4	900	<1	92	<1	111	8	94	138	<1
KWM44+00N 00+75E	1.3	190	<1	26	<1	62	5	32	39	<1
KWM44+00N 01+00E	0.4	120	<1	6	<1	12	<1	13	12	<1
KWM44+00N 01+25E	0.4	80	<1	14	<1	26	2	13	22	<1
KWM44+00N 01+50E	0.7	70	<1	4	<1	47	3	13	8	<1
KWM44+00N 01+75E	0.1	230	<1	<1	<1	28	1	6	2	<1
KWM44+00N 02+00E	2.2	700	1	47	<1	100	12	178	76	<1
KWM44+00N 02+25E	0.4	880	<1	4	<1	43	6	48	8	<1
KWM44+00N 08+00E	4.5	960	<1	19	<1	428	10	31	21	1
KWM44+00N 08+25E	0.6	670	<1	14	<1	24	5	135	24	<1
KWM44+00N 08+50E	1.6	200	<1	51	<1	41	9	52	61	<1
KWM44+00N 08+75E	1.6	410	1	79	<1	31	12	153	94	<1
KWM44+00N 09+00E	0.5	400	<1	9	<1	19	5	87	14	<1
KWM44+00N 09+25E	0.4	130	<1	13	<1	20	3	21	19	<1
KWM44+00N 09+50E	0.5	300	<1	20	<1	17	5	92	28	<1
KWM44+00N 09+75E	1.7	570	<1	10	<1	34	7	84	17	<1
KWM44+00N 10+00E	0.4	320	<1	24	<1	26	2	76	38	<1
KWM44+00N 10+50E	1.4	720	1	48	<1	42	9	262	95	1
KWM44+00N 10+75E	2.1	290	1	25	<1	62	10	110	38	3
KWM44+00N 11+00E	1.8	60	<1	6	<1	83	5	67	7	<1
KWM44+00N 11+25E	8.1	790	<1	14	<1	54	1	31	24	3
KWM44+00N 11+50E	1.9	140	<1	29	<1	130	3	20	46	6
KWM44+00N 11+75E	2.6	660	<1	19	<1	289	15	27	24	2
KWM44+00N 12+00E	0.5	90	<1	4	<1	258	2	6	9	3
KWM44+00N 12+25E	2.8	260	<1	62	<1	284	14	55	96	1
KWM44+00N 12+50E	0.4	50	<1	11	<1	144	3	10	26	2
KWM44+00N 12+75E	1.0	140	<1	25	<1	83	4	22	53	4
KWM44+00N 13+00E	0.3	80	<1	<1	<1	35	4	<5	3	<1
KWM44+00N 13+25E	0.9	360	<1	5	<1	74	2	43	7	<1
KWM44+00N 13+75E	4.9	560	<1	99	<1	217	7	60	119	<1
KWM44+00N 14+00E	1.6	230	<1	13	<1	277	7	28	26	<1
KWM43+50N 03+75E	7.7	460	<1	31	<1	158	10	30	33	1
KWM43+50N 04+00E	17.7	410	1	10	<1	145	7	18	7	2
KWM43+50N 04+25E	10.8	330	<1	7	<1	132	10	22	6	2
KWM43+50N 04+50E	11.3	530	1	23	<1	266	16	31	20	2
KWM43+50N 04+75E	5.3	280	<1	17	<1	113	10	23	19	<1
KWM43+50N 05+00E	1.3	470	<1	14	<1	41	15	102	22	<1
KWM43+50N 05+10E	0.7	840	1	27	<1	34	31	212	43	<1
KWM43+50N 05+20E	1.6	380	<1	8	<1	80	15	99	12	<1
KWM43+50N 05+30E	2.0	150	<1	23	<1	38	27	43	36	<1
KWM43+50N 05+40E	0.4	880	<1	5	<1	33	10	173	13	<1
KWM43+50N 05+50E	1.1	700	<1	23	<1	34	6	72	33	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM43+50N 05+75E	1.8	620	<1	64	<1	41	6	71	90	<1
KWM43+50N 06+00E	4.3	800	2	55	<1	75	10	114	72	<1
KWM43+00N 00+00W	7.9	190	<1	9	<1	176	14	17	11	2
KWM43+00N 00+50W	2.2	280	<1	36	<1	106	14	139	55	<1
KWM43+00N 00+75W	2.4	420	<1	37	<1	47	7	79	63	<1
KWM43+00N 01+00W	4.7	580	<1	105	<1	80	14	112	161	<1
KWM43+00N 01+25W	1.2	540	<1	40	<1	41	3	58	85	<1
KWM43+00N 01+50W	0.7	260	<1	29	<1	15	4	48	52	<1
KWM43+00N 01+75W	2.0	280	<1	41	<1	29	4	125	71	<1
KWM43+00N 02+00W	0.7	80	<1	5	<1	53	1	12	12	<1
KWM43+00N 02+25W	0.8	70	<1	9	<1	58	1	13	16	<1
KWM43+00N 02+75W	0.9	80	<1	36	<1	175	3	28	55	<1
KWM43+00N 03+00W	4.3	590	2	80	<1	128	10	189	121	<1
KWM43+00N 03+25W	0.4	190	<1	17	<1	79	9	14	23	<1
KWM43+00N 03+75W	0.2	150	<1	2	<1	13	3	28	7	<1
KWM43+00N 04+00W	0.2	<10	<1	2	<1	67	1	5	5	<1
KWM43+00N 00+50E	2.0	70	<1	2	<1	156	3	5	3	<1
KWM43+00N 01+00E	1.4	50	<1	9	<1	57	3	17	18	<1
KWM43+00N 01+25E	0.7	40	<1	4	<1	42	<1	9	10	<1
KWM43+00N 01+50E	0.2	90	<1	6	<1	18	2	11	13	<1
KWM43+00N 01+75E	0.8	310	<1	3	<1	53	8	65	8	<1
KWM43+00N 02+00E	0.4	160	<1	13	<1	16	2	32	29	<1
KWM43+00N 02+25E	7.0	1030	<1	34	<1	82	7	103	65	<1
KWM43+00N 02+50E	0.7	1360	<1	17	<1	59	<1	152	51	<1
KWM43+00N 02+75E	2.1	1140	<1	119	<1	46	5	161	208	<1
KWM43+00N 03+00E	8.4	520	1	46	<1	77	11	58	57	<1
KWM43+00N 03+25E	2.4	450	1	87	<1	57	9	94	96	<1
KWM43+00N 03+50E	0.4	1980	<1	6	<1	28	4	66	13	<1
KWM43+00N 03+75E	0.5	360	<1	10	<1	14	2	33	20	<1
KWM43+00N 04+00E	5.9	650	<1	87	<1	109	8	44	77	<1
KWM43+00N 04+25E	6.7	690	2	38	<1	147	5	54	43	<1
KWM43+00N 06+00E	1.9	410	<1	14	<1	69	2	12	17	1
KWM43+00N 06+25E	0.7	170	<1	17	<1	28	6	34	27	1
KWM43+00N 06+50E	3.6	670	<1	51	<1	89	5	46	61	<1
KWM43+00N 06+75E	0.5	130	<1	28	<1	19	1	28	55	11
KWM43+00N 07+00E	0.4	1090	<1	5	<1	9	1	79	11	<1
KWM43+00N 07+25E	0.2	60	<1	1	<1	6	<1	19	10	<1
KWM43+00N 07+50E	4.5	330	<1	55	<1	94	6	36	65	2
KWM43+00N 07+75E	1.2	670	<1	30	<1	65	2	79	56	<1
KWM43+00N 08+00E	2.9	240	<1	46	<1	82	5	33	50	20
KWM43+00N 08+25E	0.5	950	<1	52	<1	20	3	183	63	5
KWM43+00N 08+50E	0.4	110	<1	12	<1	12	9	22	17	6
KWM43+00N 08+75E	0.9	570	1	48	<1	30	5	126	84	5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO111821 Order: Terralogic Exploration/Shipment#KW10+001

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM43+00N 09+00E	1.1	220	<1	22	<1	40	7	41	30	<1
KWM43+00N 09+25E	4.8	840	<1	26	<1	53	5	33	42	15
KWM43+00N 09+50E	6.1	620	<1	54	<1	91	12	45	60	22
KWM43+00N 09+75E	0.9	60	<1	14	<1	113	3	13	29	1
KWM43+00N 10+00E	5.6	810	<1	85	<1	283	14	53	110	1
KWM43+00N 10+25E	8.0	760	1	54	<1	278	13	61	71	<1
KWM43+00N 10+50E	3.4	1040	<1	54	<1	293	2	49	44	<1
KWM43+00N 10+75E	7.0	440	<1	21	<1	248	8	37	25	<1
KWM43+50N 11+00E	7.9	980	1	55	<1	186	6	55	73	1
KWM43+50N 11+25E	3.9	940	<1	42	<1	276	13	44	55	<1
KWM43+50N 11+50E	5.7	480	<1	43	<1	228	13	19	26	1
KWM43+00N 12+00E	2.2	170	<1	16	<1	60	8	151	23	2
KWM43+50N 15+50E	0.4	260	<1	12	<1	27	8	29	13	<1
*Rep KWM44+00N 08+75E	1.1	420	<1	65	<1	30	8	128	84	<1
*Rep KWM44+00N 09+25E	0.4	140	<1	15	<1	19	3	23	21	<1
*Rep KWM44+00N 14+00E	2.0	210	<1	14	<1	267	9	28	25	<1
*Rep KWM43+50N 05+20E	2.2	680	1	27	<1	73	31	184	41	<1
*Rep KWM43+00N 00+50E	1.8	70	<1	2	<1	165	3	<5	3	<1
*Rep KWM43+00N 02+50E	0.5	1090	<1	10	<1	61	<1	148	29	<1
*Rep KWM43+00N 10+00E	4.7	750	<1	84	<1	259	12	52	108	1
*Rep KWM43+50N 11+50E	5.7	450	<1	41	<1	222	13	19	25	1
*Std MMISRM16	0.4	110	26	2	<1	345	<1	9	5	<1
*Std AMIS0169	3.5	150	<1	133	<1	254	<1	73	79	1
*Std MMISRM16	0.8	350	12	4	7	144	<1	<5	6	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM44+00N 00+25E	1960	<1	2	<10	35.8	50	<0.5	20	<1	58
KWM44+00N 00+50E	1070	<1	30	<10	87.3	353	<0.5	101	2	853
KWM44+00N 00+75E	1470	<1	8	<10	64.5	96	<0.5	33	<1	207
KWM44+00N 01+00E	1990	<1	3	<10	28.1	18	<0.5	44	<1	75
KWM44+00N 01+25E	2820	<1	4	<10	48.5	12	<0.5	123	<1	111
KWM44+00N 01+50E	1850	<1	2	<10	47.7	49	<0.5	27	<1	50
KWM44+00N 01+75E	1620	<1	<1	<10	2.0	48	<0.5	15	<1	19
KWM44+00N 02+00E	1070	<1	22	<10	93.7	110	<0.5	126	<1	698
KWM44+00N 02+25E	1790	<1	3	<10	14.6	49	<0.5	57	<1	141
KWM44+00N 08+00E	670	<1	4	<10	54.1	669	<0.5	10	<1	81
KWM44+00N 08+25E	1610	<1	9	<10	43.8	62	<0.5	354	<1	394
KWM44+00N 08+50E	1460	<1	13	<10	130	122	<0.5	103	<1	346
KWM44+00N 08+75E	1350	<1	20	<10	150	136	<0.5	184	1	649
KWM44+00N 09+00E	1820	<1	5	<10	30.5	41	<0.5	686	<1	189
KWM44+00N 09+25E	1670	<1	4	<10	54.0	32	<0.5	338	<1	112
KWM44+00N 09+50E	1980	<1	7	<10	45.4	32	<0.5	189	<1	218
KWM44+00N 09+75E	1230	<1	7	<10	31.5	133	<0.5	312	<1	323
KWM44+00N 10+00E	2340	<1	10	<10	65.2	18	<0.5	244	<1	331
KWM44+00N 10+50E	1160	<1	28	<10	123	80	<0.5	154	1	934
KWM44+00N 10+75E	1000	<1	9	<10	75.0	160	<0.5	120	<1	283
KWM44+00N 11+00E	920	<1	2	<10	41.6	102	<0.5	62	<1	84
KWM44+00N 11+25E	400	<1	6	<10	30.0	478	<0.5	16	<1	216
KWM44+00N 11+50E	1440	<1	9	<10	63.8	72	<0.5	23	<1	165
KWM44+00N 11+75E	920	<1	5	<10	95.4	251	<0.5	22	<1	91
KWM44+00N 12+00E	1450	<1	2	<10	30.3	10	<0.5	38	<1	32
KWM44+00N 12+25E	760	<1	20	<10	123	101	<0.5	50	<1	345
KWM44+00N 12+50E	1840	<1	5	<10	37.7	7	<0.5	46	<1	109
KWM44+00N 12+75E	1220	<1	11	<10	71.4	84	<0.5	45	<1	270
KWM44+00N 13+00E	2480	<1	<1	<10	5.2	6	<0.5	48	<1	25
KWM44+00N 13+25E	1140	<1	3	<10	21.5	102	<0.5	138	<1	154
KWM44+00N 13+75E	410	<1	21	<10	149	326	<0.5	49	<1	336
KWM44+00N 14+00E	1130	<1	6	<10	83.5	133	<0.5	70	<1	120
KWM43+50N 03+75E	710	<1	6	<10	38.1	1170	<0.5	14	<1	147
KWM43+50N 04+00E	210	<1	1	<10	23.2	1940	<0.5	7	<1	32
KWM43+50N 04+25E	190	<1	1	<10	18.8	1470	<0.5	7	<1	33
KWM43+50N 04+50E	330	<1	3	<10	47.0	1290	<0.5	15	1	84
KWM43+50N 04+75E	1040	<1	4	<10	34.8	425	<0.5	17	<1	96
KWM43+50N 05+00E	1170	<1	7	<10	64.2	134	<0.5	125	<1	206
KWM43+50N 05+10E	1730	<1	12	<10	110	69	<0.5	345	<1	330
KWM43+50N 05+20E	860	<1	5	<10	38.7	188	<0.5	83	<1	193
KWM43+50N 05+30E	1660	<1	10	<10	78.7	103	<0.5	76	<1	270
KWM43+50N 05+40E	3230	<1	9	<10	23.0	35	<0.5	145	<1	455
KWM43+50N 05+50E	1940	<1	8	<10	58.9	63	<0.5	72	<1	204

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM43+50N 05+75E	1210	<1	21	<10	73.9	136	<0.5	60	<1	526
KWM43+50N 06+00E	730	<1	18	<10	95.2	299	<0.5	49	<1	433
KWM43+00N 00+00W	850	<1	2	<10	38.5	556	<0.5	24	<1	52
KWM43+00N 00+50W	720	<1	15	<10	34.8	302	<0.5	153	<1	506
KWM43+00N 00+75W	1140	<1	15	<10	62.4	176	<0.5	82	<1	396
KWM43+00N 01+00W	1320	<1	30	<10	105	569	<0.5	58	1	684
KWM43+00N 01+25W	1760	<1	16	<10	54.3	48	<0.5	89	<1	428
KWM43+00N 01+50W	1970	<1	13	<10	38.0	26	<0.5	87	<1	387
KWM43+00N 01+75W	1960	<1	19	<10	64.0	80	<0.5	115	<1	620
KWM43+00N 02+00W	2160	<1	2	<10	15.4	10	<0.5	64	<1	81
KWM43+00N 02+25W	1730	<1	3	<10	30.3	24	<0.5	83	<1	86
KWM43+00N 02+75W	1540	<1	11	<10	51.1	28	<0.5	56	<1	292
KWM43+00N 03+00W	1060	<1	30	<10	146	124	<0.5	115	<1	863
KWM43+00N 03+25W	3490	<1	5	<10	21.8	16	<0.5	62	<1	164
KWM43+00N 03+75W	2070	<1	3	<10	18.9	59	<0.5	39	<1	77
KWM43+00N 04+00W	2140	<1	2	<10	1.7	7	<0.5	13	<1	68
KWM43+00N 00+50E	1140	<1	<1	<10	21.5	124	<0.5	10	<1	13
KWM43+00N 01+00E	1350	<1	4	<10	20.5	59	<0.5	73	<1	101
KWM43+00N 01+25E	1800	<1	2	<10	14.1	24	<0.5	38	<1	56
KWM43+00N 01+50E	1280	<1	3	<10	22.7	<3	<0.5	50	<1	73
KWM43+00N 01+75E	1480	<1	3	<10	19.8	133	<0.5	64	<1	176
KWM43+00N 02+00E	1710	<1	8	<10	44.0	17	<0.5	49	<1	191
KWM43+00N 02+25E	430	<1	19	<10	113	398	<0.5	57	<1	504
KWM43+00N 02+50E	820	<1	34	<10	35.7	35	<0.5	54	2	1580
KWM43+00N 02+75E	660	<1	49	<10	98.1	132	<0.5	95	1	1200
KWM43+00N 03+00E	540	<1	11	<10	81.3	607	<0.5	22	1	244
KWM43+00N 03+25E	730	<1	20	<10	99.1	154	<0.5	52	<1	478
KWM43+00N 03+50E	2220	<1	5	<10	22.3	106	<0.5	423	<1	222
KWM43+00N 03+75E	1340	<1	7	<10	5.1	19	<0.5	297	<1	333
KWM43+00N 04+00E	760	<1	14	<10	76.5	427	<0.5	34	<1	281
KWM43+00N 04+25E	400	<1	8	<10	104	685	<0.5	22	<1	107
KWM43+00N 06+00E	1040	<1	3	<10	40.7	89	<0.5	15	<1	53
KWM43+00N 06+25E	1190	<1	6	<10	52.5	64	<0.5	88	<1	178
KWM43+00N 06+50E	610	<1	11	<10	79.9	487	<0.5	28	<1	220
KWM43+00N 06+75E	1420	<1	13	<10	89.8	29	<0.5	51	<1	317
KWM43+00N 07+00E	1520	<1	5	<10	17.8	37	<0.5	63	<1	231
KWM43+00N 07+25E	1900	<1	4	<10	10.4	3	<0.5	26	<1	103
KWM43+00N 07+50E	510	<1	11	<10	60.8	470	<0.5	29	<1	216
KWM43+00N 07+75E	930	<1	18	<10	27.5	184	<0.5	53	<1	631
KWM43+00N 08+00E	850	<1	10	<10	59.0	286	<0.5	34	<1	181
KWM43+00N 08+25E	1600	<1	22	<10	75.5	21	<0.5	191	<1	690
KWM43+00N 08+50E	1610	<1	3	<10	51.1	12	<0.5	133	<1	98
KWM43+00N 08+75E	1120	<1	21	<10	100	56	<0.5	100	<1	572

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM43+00N 09+00E	1320	<1	6	<10	58.1	51	<0.5	98	<1	164
KWM43+00N 09+25E	570	<1	9	<10	63.8	316	<0.5	28	<1	223
KWM43+00N 09+50E	820	<1	12	<10	105	322	<0.5	43	1	259
KWM43+00N 09+75E	1200	<1	6	<10	63.5	35	<0.5	42	<1	125
KWM43+00N 10+00E	1080	<1	22	<10	98.9	510	<0.5	33	<1	371
KWM43+00N 10+25E	290	<1	13	<10	149	592	<0.5	33	<1	184
KWM43+00N 10+50E	540	<1	8	<10	141	275	<0.5	18	<1	189
KWM43+00N 10+75E	210	<1	4	<10	60.4	341	<0.5	19	<1	67
KWM43+50N 11+00E	420	<1	14	<10	84.8	1360	<0.5	28	1	251
KWM43+50N 11+25E	490	<1	10	<10	104	340	<0.5	31	<1	158
KWM43+50N 11+50E	330	<1	4	<10	46.1	1190	<0.5	10	<1	76
KWM43+00N 12+00E	970	<1	6	<10	65.4	112	<0.5	157	<1	181
KWM43+50N 15+50E	1510	<1	3	<10	33.9	28	<0.5	173	<1	79
*Rep KWM44+00N 08+75E	1390	<1	18	<10	146	89	<0.5	193	<1	570
*Rep KWM44+00N 09+25E	1640	<1	4	<10	58.3	18	<0.5	343	<1	122
*Rep KWM44+00N 14+00E	1050	<1	5	<10	92.1	147	<0.5	70	<1	110
*Rep KWM43+50N 05+20E	870	<1	12	<10	88.2	214	<0.5	139	<1	347
*Rep KWM43+00N 00+50E	1200	<1	<1	<10	23.1	95	<0.5	10	<1	15
*Rep KWM43+00N 02+50E	880	<1	24	<10	30.3	36	<0.5	49	1	1290
*Rep KWM43+00N 10+00E	1120	<1	22	<10	95.4	401	<0.5	32	<1	377
*Rep KWM43+50N 11+50E	330	<1	4	<10	43.8	1150	<0.5	10	<1	75
*Std MMISRM16	480	<1	<1	<10	25.4	<3	<0.5	59	<1	10
*Std AMIS0169	90	<1	8	<10	96.5	474	<0.5	32	2	134
*Std MMISRM18	1070	<1	<1	<10	22.7	8	<0.5	33	<1	19
*Blk BLANK	<10	<1	<1	<10	0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	0.6	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11 1821 Order: Terralogic Exploration Shipment: CW1[illegible]

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM44+00N 00+25E	3	370	27
KWM44+00N 00+50E	56	1330	174
KWM44+00N 00+75E	13	900	123
KWM44+00N 01+00E	5	380	40
KWM44+00N 01+25E	7	80	17
KWM44+00N 01+50E	3	420	59
KWM44+00N 01+75E	1	300	8
KWM44+00N 02+00E	54	1800	204
KWM44+00N 02+25E	10	6560	33
KWM44+00N 08+00E	6	420	149
KWM44+00N 08+25E	34	2350	90
KWM44+00N 08+50E	26	900	145
KWM44+00N 08+75E	54	1480	204
KWM44+00N 09+00E	16	810	57
KWM44+00N 09+25E	9	180	31
KWM44+00N 09+50E	19	640	85
KWM44+00N 09+75E	28	1250	75
KWM44+00N 10+00E	26	920	67
KWM44+00N 10+50E	71	4110	230
KWM44+00N 10+75E	21	1430	177
KWM44+00N 11+00E	11	260	73
KWM44+00N 11+25E	15	980	73
KWM44+00N 11+50E	9	210	93
KWM44+00N 11+75E	6	510	100
KWM44+00N 12+00E	1	420	18
KWM44+00N 12+25E	21	1160	105
KWM44+00N 12+50E	5	800	27
KWM44+00N 12+75E	16	400	57
KWM44+00N 13+00E	2	510	6
KWM44+00N 13+25E	13	4760	55
KWM44+00N 13+75E	16	350	158
KWM44+00N 14+00E	8	1490	79
KWM43+50N 03+75E	10	710	131
KWM43+50N 04+00E	3	320	192
KWM43+50N 04+25E	3	240	130
KWM43+50N 04+50E	5	690	194
KWM43+50N 04+75E	7	770	92
KWM43+50N 05+00E	18	2570	147
KWM43+50N 05+10E	33	4410	195
KWM43+50N 05+20E	20	5740	124
KWM43+50N 05+30E	19	810	124
KWM43+50N 05+40E	62	1750	76
KWM43+50N 05+50E	18	580	127

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM43+50N 05+75E	38	930	118
KWM43+50N 06+00E	30	910	224
KWM43+00N 00+00W	4	770	89
KWM43+00N 00+50W	42	1230	125
KWM43+00N 00+75W	31	1360	140
KWM43+00N 01+00W	48	1190	148
KWM43+00N 01+25W	31	530	83
KWM43+00N 01+50W	29	820	72
KWM43+00N 01+75W	49	690	135
KWM43+00N 02+00W	4	150	19
KWM43+00N 02+25W	6	490	27
KWM43+00N 02+75W	21	1680	58
KWM43+00N 03+00W	67	2990	265
KWM43+00N 03+25W	11	1580	15
KWM43+00N 03+75W	7	160	27
KWM43+00N 04+00W	4	1740	<5
KWM43+00N 00+50E	1	620	35
KWM43+00N 01+00E	9	1040	59
KWM43+00N 01+25E	4	730	31
KWM43+00N 01+50E	5	550	15
KWM43+00N 01+75E	43	1670	47
KWM43+00N 02+00E	19	230	24
KWM43+00N 02+25E	38	1570	127
KWM43+00N 02+50E	154	1120	37
KWM43+00N 02+75E	91	700	108
KWM43+00N 03+00E	18	970	174
KWM43+00N 03+25E	36	860	157
KWM43+00N 03+50E	19	2780	34
KWM43+00N 03+75E	28	190	18
KWM43+00N 04+00E	19	700	102
KWM43+00N 04+25E	10	1290	203
KWM43+00N 06+00E	4	230	50
KWM43+00N 06+25E	14	470	58
KWM43+00N 06+50E	17	660	106
KWM43+00N 06+75E	23	250	36
KWM43+00N 07+00E	21	2140	26
KWM43+00N 07+25E	6	90	14
KWM43+00N 07+50E	15	630	96
KWM43+00N 07+75E	45	730	104
KWM43+00N 08+00E	12	550	74
KWM43+00N 08+25E	66	2190	142
KWM43+00N 08+50E	10	240	35
KWM43+00N 08+75E	49	1370	152

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11821 Order: Terralogic Exploration/Shipment#KWM10-001

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM43+00N 09+00E	14	520	64
KWM43+00N 09+25E	18	990	106
KWM43+00N 09+50E	21	1030	134
KWM43+00N 09+75E	9	680	45
KWM43+00N 10+00E	22	1070	128
KWM43+00N 10+25E	14	720	164
KWM43+00N 10+50E	18	300	111
KWM43+00N 10+75E	6	660	148
KWM43+50N 11+00E	20	260	184
KWM43+50N 11+25E	11	310	126
KWM43+50N 11+50E	6	650	156
KWM43+00N 12+00E	19	1570	114
KWM43+50N 15+50E	6	1250	18
*Rep KWM44+00N 08+75E	48	1630	170
*Rep KWM44+00N 09+25E	10	190	33
*Rep KWM44+00N 14+00E	8	1460	67
*Rep KWM43+50N 05+20E	33	4970	230
*Rep KWM43+00N 00+50E	1	640	34
*Rep KWM43+00N 02+50E	182	1140	33
*Rep KWM43+00N 10+00E	22	1030	116
*Rep KWM43+50N 11+50E	6	640	149
*Std MMISRM16	<1	270	19
*Std AMIS0169	13	250	58
*Std MMISRM18	<1	620	27
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO111862

To: **Account Payable**
COD SGS Minerals
C/O #50-655 West Kent Avenue N.
VANCOUVER
BC V6P 6T7

Date: Oct 05, 2010

P.O. No.	:	Terralogic Exploration
Project No.	:	-
No. Of Samples	:	83
Date Submitted	:	Sep 03, 2010
Report Comprises	:	Pages 1 to 19 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM42+00N-00+00W	19	180	70	0.2	10700	3	40	90	274	591
KWM42+00N-00+25W	25	180	50	0.1	8550	2	120	50	685	208
KWM42+00N-00+50W	42	207	20	0.1	7370	1	90	35	275	366
KWM42+00N-00+75W	23	183	30	0.1	6730	1	150	45	352	123
KWM42+00N-01+00W	30	49	<10	<0.1	4040	<1	410	122	42	7
KWM42+00N-01+25W	5	58	10	<0.1	2620	<1	280	59	48	266
KWM42+00N-01+50W	11	57	30	0.1	2650	<1	240	48	75	380
KWM42+00N-02+00W	2	65	70	<0.1	3850	1	120	4	34	56
KWM42+00N-02+25W	7	80	40	0.1	3550	2	170	55	61	574
KWM42+00N-02+75W	11	65	10	<0.1	2840	<1	300	158	285	347
KWM42+00N-03+00W	22	47	<10	<0.1	2850	<1	410	97	196	43
KWM42+00N-03+25W	6	38	<10	<0.1	1530	<1	400	107	31	52
KWM42+00N-03+50W	23	25	<10	<0.1	1780	<1	460	149	16	9
KWM42+00N-00+25E	20	161	40	0.2	8480	2	130	51	324	382
KWM42+00N-01+25E	4	160	40	<0.1	5790	<1	180	57	156	119
KWM42+00N-01+50E	51	245	50	0.1	7830	1	90	57	352	213
KWM42+00N-01+75E	27	>300	40	0.1	3660	<1	<10	64	125	148
KWM42+00N-02+25E	65	294	50	<0.1	4760	2	30	223	79	55
KWM42+00N-02+50E	20	260	20	<0.1	13500	1	90	119	406	195
KWM42+00N-02+75E	20	185	80	0.2	8970	2	150	27	416	150
KWM42+00N-03+00E	10	201	70	0.3	11400	1	180	23	1450	95
KWM42+00N-03+25E	29	141	30	0.2	7340	<1	190	39	313	206
KWM42+00N-03+50E	21	100	40	0.1	10100	<1	180	28	504	37
KWM42+00N-03+75E	36	133	<10	<0.1	13700	<1	230	27	279	94
KWM42+00N-04+00E	11	260	40	0.2	6930	1	90	46	326	73
KWM42+00N-04+25E	13	232	30	0.1	6720	<1	140	35	259	124
KWM42+00N-04+50E	34	104	<10	0.1	11400	<1	250	38	185	48
KWM42+00N-04+75E	37	30	<10	0.2	4240	<1	280	27	71	10
KWM42+00N-05+00E	60	26	<10	0.2	9420	<1	300	50	73	35
KWM42+00N-05+25E	11	55	<10	<0.1	6560	<1	400	10	18	12
KWM42+00N-05+50E	2	234	20	<0.1	2400	<1	190	8	78	27
KWM42+00N-05+75E	1	237	20	<0.1	2430	<1	180	8	79	27
KWM42+00N-06+00E	2	195	<10	<0.1	8080	<1	230	64	278	27
KWM42+00N-06+50E	14	98	<10	0.2	3380	<1	270	35	64	79
KWM42+00N-07+50E	2	74	<10	0.1	1250	<1	180	101	15	80
KWM42+00N-07+75E	10	107	60	<0.1	4640	2	200	45	179	85
KWM42+00N-08+00E	25	128	110	0.1	15000	1	180	46	296	73
KWM42+00N-08+25E	36	122	60	0.2	7100	1	160	45	503	66
KWM42+00N-08+50E	22	186	130	0.2	5680	4	140	75	294	286
KWM42+00N-08+75E	83	81	<10	0.2	8410	<1	340	96	205	11
KWM42+00N-09+00E	44	36	<10	0.2	13000	<1	220	35	247	6
KWM42+00N-09+25E	127	42	<10	0.1	26800	<1	330	41	60	100
KWM42+00N-09+50E	18	296	40	0.1	3960	2	20	106	298	70

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111802 Order: Terralogic Exploration

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM42+00N-09+75E	10	214	<10	<0.1	5200	<1	50	239	133	181
KWM42+00N-10+00E	63	121	30	0.4	9980	<1	210	69	411	166
KWM42+00N-10+25E	58	89	<10	0.2	11800	<1	290	62	442	21
KWM42+00N-10+50E	29	158	30	0.3	8240	3	90	71	237	349
KWM42+00N-10+75E	30	151	30	0.4	7680	2	130	52	283	223
KWM42+00N-11+00E	16	141	70	0.3	7890	3	110	48	251	495
KWM42+00N-11+25E	51	73	20	0.3	10200	<1	230	87	485	236
KWM42+00N-11+50E	38	42	60	0.4	2750	3	160	43	687	276
KWM42+00N-11+75E	24	102	50	0.3	3700	3	150	38	387	211
KWM42+00N-12+00E	21	123	40	0.3	8550	2	190	32	428	95
ETKWD001	7	174	90	0.1	3650	5	70	46	131	123
ETKWD002	15	179	110	0.1	4270	3	90	81	314	170
ETKWD003	17	200	70	0.2	4440	2	50	127	268	104
ETKWD004	19	146	330	0.2	7680	6	130	122	425	133
ETKWD005	24	118	390	<0.1	7460	5	170	116	551	146
ETKWD006	13	65	170	<0.1	6730	3	150	77	244	121
ETKWD007	14	47	770	<0.1	6590	2	140	114	229	94
ETKWD008	17	48	520	<0.1	7360	2	160	183	305	83
ETKWD009	22	44	140	<0.1	7260	1	170	245	420	80
ETKWD010	22	46	160	<0.1	7550	1	180	254	427	94
ETKWD011	17	200	30	0.1	6510	1	120	30	514	208
ETKWD012	12	216	30	0.2	6110	1	120	37	358	100
ETKWD013	13	130	10	0.2	7150	<1	210	24	258	26
ETKWD014	26	131	<10	0.3	5780	<1	150	12	184	16
ETKWD015	110	22	<10	0.3	15800	<1	390	56	54	44
ETKWD016	146	179	70	0.3	10200	2	140	171	272	159
ETKWD017	55	257	40	<0.1	4960	2	40	42	301	114
ETKWD018	8	201	10	<0.1	3560	2	110	23	360	114
ETKWD019	17	53	20	<0.1	1700	<1	20	27	90	49
ETKWD020	5	99	<10	<0.1	27300	<1	280	17	175	79
ETKWD021	27	271	30	<0.1	14100	2	50	128	484	64
ETKWD022	23	145	300	<0.1	12400	3	80	40	642	32
LJKWD001	29	55	500	0.3	8530	3	270	34	134	39
LJKWD002	14	21	80	<0.1	5050	<1	270	62	26	5
LJKWD003	10	16	50	<0.1	3640	<1	270	43	10	<5
LJKWD004	16	13	50	<0.1	1530	<1	270	68	<5	8
LJKWD005	20	18	30	<0.1	1690	<1	270	234	<5	126
LJKWD006	21	22	80	<0.1	1010	<1	210	328	14	107
LJKWD010	2	195	80	<0.1	6030	2	130	21	822	269
LJKWD011	4	162	<10	<0.1	9550	<1	260	20	258	75
*Rep KWM42+00N-03+50W	16	25	<10	<0.1	1640	<1	440	164	16	17
*Rep KWM42+00N-01+75E	28	>300	50	0.1	3970	1	10	62	125	174
*Rep KWM42+00N-05+25E	11	59	<10	<0.1	6780	<1	410	11	20	12

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
*Rep KWM42+00N-09+25E	127	41	<10	0.1	27400	<1	340	39	58	71
*Rep ETKWD008	17	45	600	<0.1	6830	2	150	156	302	89
*Rep ETKWD021	31	267	40	<0.1	13400	2	50	134	545	76
*Rep LJKWD006	25	27	50	<0.1	1150	<1	220	374	22	111
*Std MMISRM16	16	46	10	25.8	60	<1	180	4	18	60
*Std AMIS0169	7	78	10	0.8	630	<1	40	2	951	132
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11352 Order: Terralogic Exploration

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM42+00N-00+00W	<100	2.0	2390	73	40.2	15.1	361	174	67	<1
KWM42+00N-00+25W	<100	1.9	1380	189	83.7	53.1	132	137	233	<1
KWM42+00N-00+50W	<100	1.0	1870	225	116	37.6	160	120	187	<1
KWM42+00N-00+75W	<100	2.3	990	108	47.7	24.9	121	112	115	<1
KWM42+00N-01+00W	<100	1.4	1070	16	7.9	4.6	28	64	20	<1
KWM42+00N-01+25W	<100	<0.5	1040	9	4.5	2.5	164	42	11	<1
KWM42+00N-01+50W	<100	0.7	1630	16	7.5	4.0	268	42	18	<1
KWM42+00N-02+00W	<100	0.5	1800	8	5.0	1.4	394	62	7	<1
KWM42+00N-02+25W	<100	1.1	1910	13	7.0	3.0	382	55	14	<1
KWM42+00N-02+75W	<100	9.0	1670	53	30.5	13.9	82	45	63	<1
KWM42+00N-03+00W	<100	6.6	1110	45	20.8	12.6	29	44	61	<1
KWM42+00N-03+25W	<100	2.2	300	10	5.3	2.5	30	24	12	<1
KWM42+00N-03+50W	<100	0.9	910	7	3.8	1.8	24	27	8	<1
KWM42+00N-00+25E	<100	0.9	2470	95	45.1	22.3	217	133	103	<1
KWM42+00N-01+25E	<100	2.4	660	45	21.9	10.8	119	92	49	<1
KWM42+00N-01+50E	<100	22.7	510	72	25.1	20.9	137	126	89	<1
KWM42+00N-01+75E	<100	15.3	280	33	13.2	7.3	112	65	32	<1
KWM42+00N-02+25E	<100	27.0	690	13	5.5	4.3	166	81	17	<1
KWM42+00N-02+50E	<100	0.6	940	58	26.4	18.6	86	207	79	<1
KWM42+00N-02+75E	<100	1.3	420	64	23.2	18.7	124	139	85	<1
KWM42+00N-03+00E	<100	<0.5	650	357	143	97.2	126	177	436	<1
KWM42+00N-03+25E	<100	2.8	1340	106	47.6	27.3	94	113	125	<1
KWM42+00N-03+50E	<100	1.9	1560	158	71.6	45.2	84	157	203	1
KWM42+00N-03+75E	<100	1.3	2900	194	105	39.7	73	204	197	<1
KWM42+00N-04+00E	<100	4.9	860	126	58.5	29.9	174	113	133	<1
KWM42+00N-04+25E	<100	3.9	500	50	21.1	13.6	109	107	61	<1
KWM42+00N-04+50E	100	1.0	2510	92	49.9	19.1	52	189	93	<1
KWM42+00N-04+75E	<100	1.9	740	21	8.8	6.1	23	65	26	<1
KWM42+00N-05+00E	<100	0.7	1360	38	18.3	9.8	13	142	48	1
KWM42+00N-05+25E	<100	6.7	240	4	2.1	0.9	29	98	5	<1
KWM42+00N-05+50E	<100	58.3	150	6	2.6	1.7	96	40	7	<1
KWM42+00N-05+75E	<100	61.7	160	6	2.6	1.6	92	39	7	<1
KWM42+00N-06+00E	<100	4.4	280	62	24.6	13.4	25	122	71	<1
KWM42+00N-06+50E	<100	36.6	230	9	4.2	1.9	40	53	11	<1
KWM42+00N-07+50E	<100	1.8	1070	10	6.7	1.6	174	19	7	<1
KWM42+00N-07+75E	<100	2.9	320	27	11.9	7.5	102	72	35	<1
KWM42+00N-08+00E	<100	3.0	620	99	45.9	28.1	103	221	126	<1
KWM42+00N-08+25E	<100	11.2	1040	125	51.9	40.9	95	111	179	<1
KWM42+00N-08+50E	<100	3.5	540	45	17.2	13.3	194	98	58	<1
KWM42+00N-08+75E	<100	3.5	2510	69	33.5	19.0	34	125	85	<1
KWM42+00N-09+00E	<100	0.5	1740	91	43.1	26.2	22	200	125	4
KWM42+00N-09+25E	<100	1.1	1560	36	18.5	6.5	10	387	42	10
KWM42+00N-09+50E	<100	2.0	890	100	40.9	22.2	125	76	103	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client end are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM42+00N-09+75E	<100	2.3	990	101	56.5	14.5	96	87	75	<1
KWM42+00N-10+00E	<100	1.0	2580	115	61.2	31.0	85	152	138	<1
KWM42+00N-10+25E	<100	0.8	2980	106	52.3	29.0	51	179	129	<1
KWM42+00N-10+50E	<100	1.3	2700	104	62.0	17.5	274	127	83	<1
KWM42+00N-10+75E	<100	1.8	2150	82	43.3	18.7	174	120	85	<1
KWM42+00N-11+00E	<100	1.6	2690	57	31.0	12.5	282	122	57	<1
KWM42+00N-11+25E	<100	0.9	4950	104	55.3	27.5	116	153	124	<1
KWM42+00N-11+50E	<100	1.1	7010	113	59.9	31.8	224	43	140	<1
KWM42+00N-11+75E	<100	2.2	2900	63	29.7	17.5	215	58	73	<1
KWM42+00N-12+00E	<100	1.1	2180	80	36.3	21.2	120	128	94	<1
ETKWD001	<100	1.3	690	42	21.6	8.3	220	66	39	<1
ETKWD002	<100	2.6	2160	140	70.2	27.3	235	64	124	<1
ETKWD003	<100	7.7	2160	101	53.4	21.2	185	78	95	<1
ETKWD004	100	5.7	2550	100	50.3	25.9	278	116	114	<1
ETKWD005	100	9.6	2790	119	55.5	32.5	200	110	143	<1
ETKWD006	<100	15.5	1310	57	26.2	15.4	134	99	70	<1
ETKWD007	<100	20.3	1590	54	23.8	14.6	122	96	86	<1
ETKWD008	<100	17.9	2370	78	34.7	20.6	97	108	95	1
ETKWD009	<100	13.7	2860	123	52.4	34.7	82	108	180	1
ETKWD010	<100	13.8	3040	128	58.1	36.1	94	111	163	2
ETKWD011	<100	2.2	1030	194	87.9	51.4	124	96	229	<1
ETKWD012	<100	1.7	1510	189	87.9	41.8	127	92	196	<1
ETKWD013	<100	1.3	1730	117	54.8	28.9	78	104	136	<1
ETKWD014	<100	2.4	1350	58	27.1	15.4	81	90	89	<1
ETKWD015	<100	1.0	1310	24	12.5	4.3	8	225	27	14
ETKWD016	<100	3.1	750	35	13.4	11.1	112	153	48	<1
ETKWD017	<100	5.9	460	38	12.8	11.7	117	79	50	<1
ETKWD018	<100	7.0	2320	181	65.8	58.5	78	54	241	<1
ETKWD019	<100	1.0	180	10	3.8	3.1	42	3	12	<1
ETKWD020	<100	4.5	900	139	69.8	40.5	13	383	190	<1
ETKWD021	<100	1.6	280	69	23.0	21.4	55	206	92	<1
ETKWD022	<100	3.7	620	507	166	196	120	178	815	<1
LJKWD001	<100	5.6	1490	32	17.8	8.3	143	123	38	1
LJKWD002	<100	24.7	920	14	6.1	3.1	11	72	17	1
LJKWD003	<100	69.1	1150	17	6.5	3.6	4	53	22	<1
LJKWD004	<100	70.7	1560	19	7.9	3.7	8	22	25	<1
LJKWD005	<100	63.3	2190	17	6.9	2.5	9	25	19	<1
LJKWD006	<100	46.7	1640	36	13.5	5.6	16	18	40	<1
LJKWD010	<100	1.8	920	222	79.0	66.7	119	98	304	<1
LJKWD011	<100	1.5	880	123	57.1	25.1	12	138	141	<1
*Rep KWM42+00N-03+50W	<100	1.0	1240	7	3.6	1.7	26	25	8	<1
*Rep KWM42+00N-01+75E	<100	13.5	260	27	10.7	6.3	118	68	27	<1
*Rep KWM42+00N-05+25E	<100	6.9	240	5	2.3	1.0	31	99	5	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111862 Order: Terralogic Exploration

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
*Rep KWM42+00N-09+25E	<100	1.1	1550	38	19.5	7.0	10	400	44	11
*Rep ETKWD008	<100	19.2	2280	78	35.2	21.1	102	100	97	1
*Rep ETKWD021	<100	2.3	330	74	25.0	23.1	78	192	97	<1
*Rep LJKWD006	<100	47.3	1820	37	13.5	5.8	20	18	43	<1
*Std MMISRM16	<100	12.9	600	2	1.0	1.1	2	1	5	14
*Std AMIS0189	<100	8.6	4030	37	16.2	15.0	46	19	65	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM42+00N-00+00W	0.6	11.0	127	<5	8	9740	8	3.3	166	696
KWM42+00N-00+25W	<0.5	10.4	284	<5	11	3840	<5	1.2	537	678
KWM42+00N-00+50W	<0.5	7.5	90	<5	14	2340	<5	0.8	289	1480
KWM42+00N-00+75W	<0.5	18.1	151	<5	14	3840	5	2.3	244	511
KWM42+00N-01+00W	<0.5	12.1	28	16	66	680	10	<0.5	45	957
KWM42+00N-01+25W	<0.5	8.1	17	<5	39	11800	28	1.2	31	503
KWM42+00N-01+50W	<0.5	10.7	30	8	39	12500	46	1.8	49	747
KWM42+00N-02+00W	<0.5	7.2	15	<5	25	780	28	4.1	18	639
KWM42+00N-02+25W	<0.5	9.5	23	7	34	28100	34	4.1	34	877
KWM42+00N-02+75W	<0.5	21.3	133	32	35	14300	10	<0.5	208	2280
KWM42+00N-03+00W	<0.5	12.9	85	87	56	1570	5	<0.5	152	1570
KWM42+00N-03+25W	<0.5	11.9	15	29	89	5310	6	<0.5	28	828
KWM42+00N-03+50W	<0.5	9.7	10	29	60	1130	8	<0.5	17	1610
KWM42+00N-00+25E	0.6	9.4	126	<5	17	8050	8	1.4	217	1020
KWM42+00N-01+25E	<0.5	13.2	60	<5	26	10800	6	1.3	107	525
KWM42+00N-01+50E	<0.5	12.4	143	8	7	4680	7	2.3	201	316
KWM42+00N-01+75E	<0.5	13.5	48	6	2	1600	<5	2.3	76	250
KWM42+00N-02+25E	1.0	23.4	31	6	14	850	15	0.7	53	213
KWM42+00N-02+50E	<0.5	12.5	162	<5	17	9100	<5	2.7	279	511
KWM42+00N-02+75E	<0.5	13.9	173	<5	16	3150	6	2.1	240	235
KWM42+00N-03+00E	<0.5	7.7	551	<5	25	1300	8	2.0	1030	421
KWM42+00N-03+25E	<0.5	22.7	133	<5	25	9210	8	2.0	260	873
KWM42+00N-03+50E	<0.5	11.5	208	<5	28	1680	8	1.0	451	966
KWM42+00N-03+75E	<0.5	8.4	104	11	37	980	<5	<0.5	275	1730
KWM42+00N-04+00E	<0.5	12.6	136	8	12	2340	<5	2.9	278	501
KWM42+00N-04+25E	<0.5	17.8	111	<5	12	4810	<5	2.3	157	254
KWM42+00N-04+50E	<0.5	10.4	69	<5	37	760	<5	<0.5	161	1880
KWM42+00N-04+75E	<0.5	10.5	30	5	29	540	<5	<0.5	58	217
KWM42+00N-05+00E	<0.5	9.0	32	11	33	2160	6	<0.5	77	750
KWM42+00N-05+25E	<0.5	18.4	5	9	37	460	<5	<0.5	12	234
KWM42+00N-05+50E	<0.5	29.0	37	<5	28	2070	<5	1.8	34	37
KWM42+00N-05+75E	<0.5	28.7	36	<5	28	2090	<5	1.6	34	38
KWM42+00N-06+00E	<0.5	23.9	114	<5	44	530	<5	<0.5	170	206
KWM42+00N-06+50E	<0.5	32.1	14	6	36	5590	<5	0.6	28	218
KWM42+00N-07+50E	<0.5	8.1	8	<5	34	25100	<5	<0.5	12	1070
KWM42+00N-07+75E	<0.5	13.3	53	<5	16	5110	9	1.2	93	185
KWM42+00N-08+00E	<0.5	17.4	123	<5	23	4080	9	1.5	282	337
KWM42+00N-08+25E	<0.5	24.7	192	<5	13	4150	8	1.3	392	390
KWM42+00N-08+50E	<0.5	20.1	103	<5	11	11300	14	4.4	154	212
KWM42+00N-08+75E	<0.5	13.9	99	8	32	310	<5	0.8	189	1070
KWM42+00N-09+00E	<0.5	9.0	102	<5	33	350	8	<0.5	258	877
KWM42+00N-09+25E	<0.5	16.7	24	10	54	3360	10	0.7	58	863
KWM42+00N-09+50E	<0.5	9.8	110	5	4	2040	5	3.8	225	484

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11186/2 Order: Terralogic Exploration

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM42+00N-09+75E	<0.5	20.5	41	<5	8	9100	<5	1.5	119	739
KWM42+00N-10+00E	<0.5	11.0	195	<5	15	12800	7	1.5	356	1190
KWM42+00N-10+25E	<0.5	4.1	181	<5	26	950	<5	0.5	331	1160
KWM42+00N-10+50E	0.5	4.3	93	<5	17	14400	8	2.7	168	1080
KWM42+00N-10+75E	<0.5	8.7	123	<5	9	13000	7	3.3	202	1090
KWM42+00N-11+00E	<0.5	12.5	102	<5	17	28500	16	2.9	150	718
KWM42+00N-11+25E	<0.5	8.7	201	<5	25	10300	12	1.1	355	1520
KWM42+00N-11+50E	<0.5	10.3	270	<5	48	17100	38	1.5	455	808
KWM42+00N-11+75E	<0.5	9.6	152	<5	18	20700	22	3.0	234	469
KWM42+00N-12+00E	<0.5	5.3	157	<5	20	4200	10	1.0	252	767
ETKWD001	<0.5	14.8	60	<5	9	260	5	10.9	87	251
ETKWD002	0.7	13.7	129	<5	15	980	6	1.7	238	517
ETKWD003	<0.5	18.4	117	<5	5	680	<5	5.5	199	685
ETKWD004	0.6	14.4	197	<5	14	1370	17	3.7	284	724
ETKWD005	<0.5	16.8	248	6	20	1930	19	1.7	363	802
ETKWD006	<0.5	15.5	102	6	23	1970	15	0.6	187	494
ETKWD007	<0.5	18.4	99	7	22	1210	20	0.7	157	365
ETKWD008	<0.5	17.7	129	7	27	990	18	0.7	215	437
ETKWD009	<0.5	17.3	165	10	30	920	12	0.5	343	721
ETKWD010	<0.5	17.7	169	10	30	1050	13	0.7	349	774
ETKWD011	<0.5	15.2	182	<5	11	3970	<5	1.3	454	716
ETKWD012	<0.5	18.8	121	<5	14	1900	<5	1.1	336	1030
ETKWD013	<0.5	12.6	90	<5	21	620	<5	0.8	239	914
ETKWD014	<0.5	21.7	74	<5	7	790	<5	3.2	148	399
ETKWD015	<0.5	16.9	13	19	38	2890	17	<0.5	33	883
ETKWD016	<0.5	6.0	110	<5	14	3950	6	2.8	160	358
ETKWD017	<0.5	31.6	145	<5	35	270	<5	1.7	149	335
ETKWD018	<0.5	17.6	121	10	59	70	<5	0.5	354	545
ETKWD019	<0.5	9.4	37	<5	2	1830	<5	1.3	47	59
ETKWD020	<0.5	20.2	47	7	63	140	<5	<0.5	241	434
ETKWD021	<0.5	18.9	157	<5	20	2320	<5	0.8	186	378
ETKWD022	<0.5	18.0	251	<5	44	230	<5	<0.5	785	593
LJKWD001	<0.5	10.7	69	6	26	2030	26	0.9	106	543
LJKWD002	<0.5	18.3	12	14	41	320	11	<0.5	25	186
LJKWD003	<0.5	25.6	6	17	52	280	8	<0.5	17	112
LJKWD004	<0.5	27.8	<1	24	60	230	10	<0.5	6	132
LJKWD005	<0.5	30.6	<1	58	64	4340	24	<0.5	4	362
LJKWD006	<0.5	24.6	5	20	45	3040	46	<0.5	14	429
LJKWD010	<0.5	28.7	271	<5	19	2780	10	1.9	620	212
LJKWD011	<0.5	16.9	88	<5	45	860	<5	<0.5	226	300
*Rep KWM42+00N-03+50W	<0.5	8.1	10	27	57	2210	9	<0.5	17	1840
*Rep KWM42+00N-01+75E	<0.5	15.1	50	9	2	2640	<5	2.6	71	220
*Rep KWM42+00N-05+25E	<0.5	18.6	8	10	38	530	<5	<0.5	13	247

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
*Rep KWM42+00N-09+25E	<0.5	16.6	25	11	56	2560	10	0.8	60	836
*Rep ETKWD008	<0.5	18.4	127	7	24	1100	17	0.7	216	417
*Rep ETKWD021	<0.5	18.5	168	<5	20	3140	5	1.0	201	387
*Rep LJKWD008	<0.5	24.2	4	21	48	2750	39	0.8	13	519
*Std MMISRM16	<0.5	36.3	4	<5	32	110	49	<0.5	15	231
*Std AMIS0169	<0.5	44.3	440	<5	40	3910	<5	4.5	454	507
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11862 Order: Teranbyte Exploration

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM42+00N-00+00W	7.7	790	<1	41	<1	65	12	118	47	<1
KWM42+00N-00+25W	5.3	860	<1	121	<1	69	8	142	170	<1
KWM42+00N-00+50W	2.7	1510	<1	51	<1	62	4	130	107	<1
KWM42+00N-00+75W	4.0	890	<1	58	<1	85	6	88	78	<1
KWM42+00N-01+00W	0.3	60	<1	10	<1	50	2	12	14	<1
KWM42+00N-01+25W	0.6	180	<1	7	<1	28	10	27	9	<1
KWM42+00N-01+50W	1.4	230	<1	11	<1	23	18	44	14	<1
KWM42+00N-02+00W	5.4	110	<1	5	<1	31	14	29	5	<1
KWM42+00N-02+25W	4.9	120	<1	8	<1	61	14	52	10	<1
KWM42+00N-02+75W	0.8	270	<1	49	<1	73	5	45	50	<1
KWM42+00N-03+00W	0.6	130	<1	34	<1	84	<1	13	44	<1
KWM42+00N-03+25W	0.3	70	<1	6	<1	43	<1	8	8	<1
KWM42+00N-03+50W	0.2	50	<1	4	<1	33	3	6	5	<1
KWM42+00N-00+25E	3.6	1020	<1	50	<1	30	9	112	70	<1
KWM42+00N-01+25E	3.7	660	<1	24	<1	90	8	44	34	<1
KWM42+00N-01+50E	5.8	610	1	49	<1	191	10	73	65	<1
KWM42+00N-01+75E	3.2	820	<1	17	<1	260	4	40	24	<1
KWM42+00N-02+25E	4.0	570	<1	13	<1	209	20	42	14	<1
KWM42+00N-02+50E	4.6	670	<1	65	<1	45	3	53	68	<1
KWM42+00N-02+75E	2.6	930	<1	57	<1	77	10	39	66	<1
KWM42+00N-03+00E	1.8	660	<1	227	<1	28	15	182	322	<1
KWM42+00N-03+25E	4.2	350	1	56	<1	62	7	87	84	<1
KWM42+00N-03+50E	2.2	380	<1	96	<1	58	9	101	148	<1
KWM42+00N-03+75E	0.7	1270	<1	53	<1	44	3	171	112	<1
KWM42+00N-04+00E	4.1	860	<1	59	<1	124	6	77	90	<1
KWM42+00N-04+25E	4.8	580	<1	37	<1	140	5	37	45	<1
KWM42+00N-04+50E	0.6	1240	<1	32	<1	37	4	95	56	<1
KWM42+00N-04+75E	0.5	70	<1	13	<1	35	2	12	18	<1
KWM42+00N-05+00E	0.3	90	<1	15	<1	19	1	19	28	<1
KWM42+00N-05+25E	0.5	190	<1	3	<1	101	1	5	4	<1
KWM42+00N-05+50E	5.0	1040	<1	9	<1	256	4	10	7	<1
KWM42+00N-05+75E	5.1	1040	<1	9	<1	250	3	10	7	<1
KWM42+00N-06+00E	0.6	640	<1	39	<1	108	<1	24	49	<1
KWM42+00N-06+50E	1.1	610	<1	6	<1	163	3	9	8	<1
KWM42+00N-07+50E	0.5	60	<1	3	<1	67	4	43	4	<1
KWM42+00N-07+75E	3.6	550	<1	21	<1	77	6	20	26	<1
KWM42+00N-08+00E	3.1	480	<1	55	<1	84	8	57	67	<1
KWM42+00N-08+25E	3.6	510	<1	85	<1	127	7	73	131	<1
KWM42+00N-08+50E	6.0	1490	<1	37	<1	152	17	47	45	1
KWM42+00N-08+75E	1.0	220	<1	41	<1	88	1	45	57	<1
KWM42+00N-09+00E	0.7	100	<1	49	<1	17	2	29	84	<1
KWM42+00N-09+25E	0.3	180	<1	11	<1	17	1	22	21	<1
KWM42+00N-09+50E	9.1	750	<1	46	<1	87	3	54	71	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM42+00N-09+75E	2.8	430	<1	23	<1	137	1	55	42	<1
KWM42+00N-10+00E	2.7	370	1	80	<1	48	5	108	100	<1
KWM42+00N-10+25E	1.1	330	<1	74	<1	37	2	70	95	<1
KWM42+00N-10+50E	6.6	1080	1	38	<1	69	6	155	55	<1
KWM42+00N-10+75E	6.2	420	2	47	<1	95	7	140	60	<1
KWM42+00N-11+00E	6.7	490	1	37	<1	59	11	115	42	<1
KWM42+00N-11+25E	1.8	380	1	82	<1	40	7	116	93	<1
KWM42+00N-11+50E	2.7	400	1	110	<1	25	21	151	111	<1
KWM42+00N-11+75E	6.9	400	2	58	<1	75	11	107	60	<1
KWM42+00N-12+00E	2.3	810	<1	63	<1	64	7	82	70	<1
ETKWD001	17.6	930	1	21	<1	53	8	67	26	<1
ETKWD002	4.9	1960	1	54	<1	61	14	165	79	<1
ETKWD003	8.6	600	1	45	<1	105	9	93	62	<1
ETKWD004	7.8	1210	2	71	<1	76	36	127	82	<1
ETKWD005	6.0	1140	2	89	<1	76	41	155	103	1
ETKWD006	2.9	560	<1	39	<1	89	29	56	50	<1
ETKWD007	3.0	520	<1	37	<1	96	107	47	46	<1
ETKWD008	2.8	490	<1	49	<1	132	87	51	63	<1
ETKWD009	2.6	290	<1	75	<1	139	30	48	104	<1
ETKWD010	2.9	320	<1	76	<1	145	34	50	108	<1
ETKWD011	4.7	900	<1	95	<1	66	7	118	158	<1
ETKWD012	4.2	920	<1	66	<1	65	6	104	124	<1
ETKWD013	1.8	580	<1	48	<1	54	4	77	86	<1
ETKWD014	2.9	250	2	33	<1	97	4	72	49	<1
ETKWD015	0.3	80	<1	6	<1	15	1	17	13	<1
ETKWD016	2.7	1150	<1	39	<1	155	14	34	39	<1
ETKWD017	3.9	500	<1	40	<1	128	16	39	38	<1
ETKWD018	1.6	260	<1	72	<1	107	24	166	135	<1
ETKWD019	1.1	240	<1	13	<1	32	5	12	12	<1
ETKWD020	0.2	110	<1	40	<1	72	7	79	106	<1
ETKWD021	0.9	1130	<1	47	<1	102	62	56	56	<1
ETKWD022	1.6	2180	2	145	<1	92	77	393	434	1
LJKWD001	2.7	340	<1	24	<1	48	27	42	28	1
LJKWD002	0.4	40	<1	5	<1	127	5	9	10	<1
LJKWD003	0.3	10	<1	3	<1	177	4	7	10	<1
LJKWD004	0.4	20	<1	<1	<1	156	5	6	7	<1
LJKWD005	0.3	100	<1	<1	<1	157	7	6	5	<1
LJKWD006	0.5	140	<1	2	<1	133	11	10	10	<1
LJKWD010	2.5	1690	1	136	<1	51	13	142	217	2
LJKWD011	0.2	1310	<1	44	<1	62	<1	119	87	<1
*Rep KWM42+00N-03+50W	0.2	50	<1	4	<1	40	3	6	5	<1
*Rep KWM42+00N-01+75E	3.2	690	<1	17	<1	255	5	35	20	<1
*Rep KWM42+00N-05+25E	0.5	210	<1	3	<1	103	1	6	4	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO111802 Order: Terralogic Exploration

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
*Rep KWM42+00N-09+25E	0.3	180	<1	11	<1	16	1	24	23	<1
*Rep ETKWD008	3.0	460	<1	49	<1	133	86	52	64	<1
*Rep ETKWD021	1.2	1130	<1	50	<1	119	91	62	60	1
*Rep LJKWD006	0.4	140	<1	2	<1	129	14	12	11	<1
*Std MMISRM16	0.3	90	25	3	<1	308	<1	7	4	<1
*Std AMIS0169	3.8	150	<1	130	<1	234	1	69	76	1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM42+00N-00+00W	450	<1	13	<10	116	484	<0.5	55	<1	389
KWM42+00N-00+25W	410	<1	39	<10	148	271	<0.5	50	<1	905
KWM42+00N-00+50W	640	<1	38	<10	74.3	153	<0.5	64	<1	1250
KWM42+00N-00+75W	730	<1	20	<10	78.9	336	<0.5	47	<1	501
KWM42+00N-01+00W	2150	<1	3	<10	23.8	48	<0.5	58	<1	109
KWM42+00N-01+25W	1580	<1	2	<10	28.1	77	<0.5	18	<1	51
KWM42+00N-01+50W	1330	<1	3	<10	50.3	165	<0.5	34	<1	81
KWM42+00N-02+00W	830	<1	1	<10	26.7	588	<0.5	21	<1	47
KWM42+00N-02+25W	980	<1	3	<10	51.1	463	<0.5	42	<1	70
KWM42+00N-02+75W	1490	<1	10	<10	43.6	27	<0.5	95	<1	337
KWM42+00N-03+00W	2350	<1	9	<10	49.0	26	<0.5	58	<1	243
KWM42+00N-03+25W	1780	<1	2	<10	12.0	13	<0.5	41	<1	68
KWM42+00N-03+50W	2070	<1	1	<10	9.0	11	<0.5	94	<1	54
KWM42+00N-00+25E	560	<1	16	<10	106	215	<0.5	57	<1	456
KWM42+00N-01+25E	700	<1	9	<10	71.9	265	<0.5	48	<1	233
KWM42+00N-01+50E	440	<1	16	<10	102	466	<0.5	34	<1	255
KWM42+00N-01+75E	190	<1	6	<10	42.2	458	<0.5	16	<1	129
KWM42+00N-02+25E	520	<1	3	<10	99.4	123	<0.5	37	<1	54
KWM42+00N-02+50E	760	<1	12	<10	73.5	622	<0.5	26	<1	285
KWM42+00N-02+75E	860	<1	14	<10	110	516	<0.5	26	<1	255
KWM42+00N-03+00E	870	<1	74	<10	199	474	<0.5	67	2	1600
KWM42+00N-03+25E	800	<1	21	<10	68.4	240	<0.5	50	<1	491
KWM42+00N-03+50E	700	<1	32	<10	107	225	<0.5	51	<1	746
KWM42+00N-03+75E	1120	<1	35	<10	119	91	<0.5	91	<1	928
KWM42+00N-04+00E	520	<1	24	<10	96.2	827	<0.5	37	<1	808
KWM42+00N-04+25E	580	<1	10	<10	60.0	671	<0.5	18	<1	234
KWM42+00N-04+50E	1490	<1	16	<10	107	77	<0.5	154	<1	417
KWM42+00N-04+75E	1580	<1	4	<10	48.0	23	<0.5	23	<1	99
KWM42+00N-05+00E	1910	<1	8	<10	52.3	20	<0.5	36	<1	205
KWM42+00N-05+25E	2440	<1	<1	<10	33.4	3	<0.5	10	<1	18
KWM42+00N-05+50E	860	<1	1	<10	40.8	273	<0.5	9	<1	25
KWM42+00N-05+75E	620	<1	1	<10	43.0	254	<0.5	9	<1	24
KWM42+00N-06+00E	1240	<1	12	<10	18.5	71	<0.5	17	<1	296
KWM42+00N-06+50E	1260	<1	2	<10	35.1	109	<0.5	23	<1	38
KWM42+00N-07+50E	990	<1	2	<10	12.7	60	<0.5	115	<1	73
KWM42+00N-07+75E	810	<1	6	<10	58.3	254	<0.5	27	<1	116
KWM42+00N-08+00E	850	<1	20	<10	66.6	362	<0.5	43	<1	476
KWM42+00N-08+25E	600	<1	27	<10	100	290	<0.5	47	<1	543
KWM42+00N-08+50E	570	<1	10	<10	111	1190	<0.5	39	1	164
KWM42+00N-08+75E	1510	<1	13	<10	66.3	33	<0.5	123	<1	378
KWM42+00N-09+00E	1190	<1	19	<10	105	24	<0.5	54	<1	494
KWM42+00N-09+25E	1920	<1	7	<10	29.6	134	<0.5	31	<1	176
KWM42+00N-09+50E	210	<1	19	<10	60.7	1120	<0.5	31	1	481

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11113B2 Order: Terralogic Exploration

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM42+00N-09+75E	620	<1	16	<10	31.5	334	<0.5	28	<1	561
KWM42+00N-10+00E	840	<1	22	<10	81.1	237	<0.5	82	<1	596
KWM42+00N-10+25E	1160	<1	21	<10	90.9	53	<0.5	175	<1	534
KWM42+00N-10+50E	540	<1	17	<10	108	304	<0.5	288	<1	543
KWM42+00N-10+75E	530	<1	15	<10	104	441	<0.5	187	<1	425
KWM42+00N-11+00E	560	<1	10	<10	119	425	<0.5	161	<1	287
KWM42+00N-11+25E	1120	<1	20	<10	112	144	<0.5	194	<1	561
KWM42+00N-11+50E	520	<1	22	<10	156	218	<0.5	197	1	585
KWM42+00N-11+75E	440	<1	13	<10	149	392	<0.5	142	<1	285
KWM42+00N-12+00E	720	<1	16	<10	110	177	<0.5	72	<1	374
ETKWD001	470	<1	7	<10	87.7	1090	<0.5	61	1	225
ETKWD002	510	<1	24	<10	124	186	<0.5	122	1	627
ETKWD003	320	<1	18	<10	58.1	657	<0.5	74	1	523
ETKWD004	570	<1	19	<10	169	453	<0.5	105	2	490
ETKWD005	690	<1	24	<10	181	235	<0.5	108	2	526
ETKWD006	790	<1	11	<10	86.8	151	<0.5	49	2	258
ETKWD007	820	<1	11	<10	67.1	120	<0.5	49	2	241
ETKWD008	940	<1	16	<10	70.5	115	<0.5	73	1	369
ETKWD009	950	<1	25	<10	67.3	132	<0.5	73	1	544
ETKWD010	990	<1	27	<10	73.7	148	<0.5	77	1	573
ETKWD011	370	<1	39	<10	112	310	<0.5	54	<1	835
ETKWD012	470	<1	35	<10	81.1	273	<0.5	53	<1	850
ETKWD013	760	<1	23	<10	48.3	99	<0.5	61	<1	525
ETKWD014	440	<1	11	<10	54.3	378	<0.5	40	<1	263
ETKWD015	1880	<1	4	<10	13.4	65	<0.5	44	<1	115
ETKWD016	860	<1	8	<10	103	613	<0.5	29	<1	148
ETKWD017	450	<1	8	<10	65.8	370	<0.5	23	<1	155
ETKWD018	1020	<1	40	<10	54.4	33	<0.5	50	<1	731
ETKWD019	110	<1	2	<10	34.9	197	<0.5	8	<1	44
ETKWD020	2930	<1	29	<10	21.4	7	<0.5	37	<1	611
ETKWD021	690	<1	16	<10	76.7	154	<0.5	22	<1	258
ETKWD022	730	<1	127	<10	129	39	<0.5	80	2	1690
LJKWD001	1300	<1	6	<10	102	139	<0.5	79	2	200
LJKWD002	1540	<1	3	<10	17.8	6	<0.5	48	1	73
LJKWD003	1500	<1	4	<10	7.5	5	<0.5	39	2	70
LJKWD004	1280	<1	4	<10	4.5	29	<0.5	41	<1	78
LJKWD005	1350	<1	3	<10	3.1	70	<0.5	59	1	56
LJKWD006	1070	<1	7	<10	8.2	141	<0.5	94	1	140
LJKWD010	570	<1	50	<10	285	514	<0.5	88	1	798
LJKWD011	1770	<1	24	<10	105	40	<0.5	77	<1	489
*Rep KWM42+00N-03+50W	2000	<1	1	<10	8.3	5	<0.5	119	<1	54
*Rep KWM42+00N-01+75E	220	<1	5	<10	45.4	544	<0.5	16	<1	109
*Rep KWM42+00N-05+25E	2470	<1	<1	<10	34.3	16	<0.5	10	<1	20

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
*Rep KWM42+00N-09+25E	1940	<1	7	<10	30.6	152	<0.5	32	<1	186
*Rep ETKWD008	860	<1	16	<10	68.9	113	<0.5	68	1	371
*Rep ETKWD021	650	<1	17	<10	87.8	229	<0.5	26	<1	266
*Rep LJKWD006	1080	<1	7	<10	9.9	107	<0.5	116	<1	150
*Std MMISRM16	410	<1	<1	<10	23.8	3	<0.5	56	<1	11
*Std AMIS0169	80	<1	9	<10	107	565	<0.5	36	2	144
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111862 Order: Terralogic Exploration

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM42+00N-00+00W	29	1410	198
KWM42+00N-00+25W	57	700	148
KWM42+00N-00+50W	78	950	77
KWM42+00N-00+75W	31	570	165
KWM42+00N-01+00W	6	1180	23
KWM42+00N-01+25W	4	770	42
KWM42+00N-01+50W	6	790	94
KWM42+00N-02+00W	4	470	131
KWM42+00N-02+25W	6	990	153
KWM42+00N-02+75W	26	2820	50
KWM42+00N-03+00W	14	1650	21
KWM42+00N-03+25W	4	2150	9
KWM42+00N-03+50W	3	2720	5
KWM42+00N-00+25E	32	960	146
KWM42+00N-01+25E	16	1310	113
KWM42+00N-01+50E	16	1190	237
KWM42+00N-01+75E	9	1570	117
KWM42+00N-02+25E	4	320	194
KWM42+00N-02+50E	18	120	219
KWM42+00N-02+75E	14	310	139
KWM42+00N-03+00E	81	340	135
KWM42+00N-03+25E	32	1420	205
KWM42+00N-03+50E	49	600	96
KWM42+00N-03+75E	73	1030	134
KWM42+00N-04+00E	38	470	111
KWM42+00N-04+25E	14	550	120
KWM42+00N-04+50E	36	1230	122
KWM42+00N-04+75E	6	270	37
KWM42+00N-05+00E	13	260	29
KWM42+00N-05+25E	2	1090	30
KWM42+00N-05+50E	2	690	98
KWM42+00N-05+75E	2	650	100
KWM42+00N-06+00E	13	170	34
KWM42+00N-06+50E	3	850	60
KWM42+00N-07+50E	6	2090	38
KWM42+00N-07+75E	9	610	79
KWM42+00N-08+00E	32	580	88
KWM42+00N-08+25E	35	690	129
KWM42+00N-08+50E	12	630	165
KWM42+00N-08+75E	25	420	69
KWM42+00N-09+00E	29	300	45
KWM42+00N-09+25E	12	250	18
KWM42+00N-09+50E	24	510	93

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11108Z Order: Terralogic Exploration

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM42+00N-09+75E	37	470	112
KWM42+00N-10+00E	47	850	187
KWM42+00N-10+25E	39	610	113
KWM42+00N-10+50E	46	810	207
KWM42+00N-10+75E	33	1190	359
KWM42+00N-11+00E	24	680	265
KWM42+00N-11+25E	45	1370	218
KWM42+00N-11+50E	48	530	234
KWM42+00N-11+75E	22	750	292
KWM42+00N-12+00E	26	610	156
ETKWD001	15	1010	266
ETKWD002	48	1350	214
ETKWD003	39	1680	294
ETKWD004	38	1300	362
ETKWD005	41	1590	303
ETKWD006	19	1500	130
ETKWD007	17	1310	113
ETKWD008	23	1600	98
ETKWD009	33	2290	75
ETKWD010	35	2450	83
ETKWD011	56	790	132
ETKWD012	56	710	106
ETKWD013	36	480	110
ETKWD014	20	930	347
ETKWD015	9	250	14
ETKWD016	9	150	168
ETKWD017	8	180	136
ETKWD018	35	170	87
ETKWD019	3	140	85
ETKWD020	48	770	43
ETKWD021	15	180	119
ETKWD022	109	130	423
LJKWD001	15	350	151
LJKWD002	4	310	48
LJKWD003	4	180	27
LJKWD004	5	160	14
LJKWD005	4	320	9
LJKWD006	7	320	23
LJKWD010	44	390	213
LJKWD011	38	240	69
*Rep KWM42+00N-03+50W	3	3070	6
*Rep KWM42+00N-01+75E	8	1370	133
*Rep KWM42+00N-05+25E	2	1160	31

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111862 Order: Terralogic Exploration

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
*Rep KWM42+00N-09+25E	13	250	18
*Rep ETKWD008	24	1550	98
*Rep ETKWD021	17	230	142
*Rep LJKWD006	8	370	24
*Std MMISRM16	<1	230	18
*Std AMIS0169	13	230	64
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO111863

Date: Nov 03, 2010

To: Account Payable
COD SGS Minerals
C/O #50-655 West Kent Avenue N.
VANCOUVER
BC V6P 6T7

P.O. No.	:	Terralogic Exploration/Shipment#KW10-001
Project No.	:	-
No. Of Samples	:	51
Date Submitted	:	Sep 29, 2010
Report Comprises	:	Pages 1 to 13 (Inclusive of Cover Sheet)

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn end / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM51+50N 03+00E	55	38	<10	0.2	1690	<1	410	84	94	68
KWM51+50N 03+25E	89	21	<10	0.3	1900	<1	480	25	17	19
KWM51+50N 03+50E	42	43	<10	0.2	2160	<1	370	41	37	52
KWM51+50N 04+00E	38	73	20	0.2	10600	<1	270	12	71	26
KWM51+50N 04+50E	25	66	<10	<0.1	2690	<1	400	32	80	13
KWM51+50N 05+00E	55	80	<10	0.1	9720	<1	470	29	84	6
KWM51+50N 05+25E	50	95	20	0.3	10500	<1	300	63	261	87
KWM48+00N 03+75E	77	35	<10	0.3	8570	<1	630	84	54	17
KWM48+00N 04+00E	38	61	10	0.2	6990	<1	370	48	70	17
KWM48+00N 04+25E	35	89	<10	0.1	9510	<1	430	141	102	173
KWM48+00N 04+50E	16	137	70	0.1	15300	1	220	41	408	73
KWM48+00N 04+75E	7	202	80	<0.1	2870	3	70	16	80	89
KWM48+00N 05+00E	34	243	30	<0.1	10600	2	120	118	274	201
KWM48+00N 05+25E	107	193	30	0.2	9290	<1	190	52	233	34
KWM48+00N 05+50E	43	181	40	0.2	9380	1	160	26	246	150
KWM48+00N 05+75E	27	36	<10	0.1	6470	<1	400	17	35	27
KWM48+00N 06+00E	23	126	30	0.2	6610	<1	270	98	235	61
KWM48+00N 06+25E	63	89	10	0.2	10100	<1	300	49	338	96
KWM48+00N 06+50E	85	58	<10	0.3	17100	<1	330	42	267	31
KWM48+00N 06+75E	27	190	60	0.1	9140	2	130	41	172	59
KWM48+00N 07+00E	90	193	40	0.3	10500	1	130	64	234	270
KWM48+00N 07+25E	13	191	60	0.1	10900	1	100	54	420	72
KWM48+00N 07+50E	41	207	50	0.1	5440	2	80	90	634	308
KWM48+00N 07+75E	69	146	30	0.3	8750	<1	190	59	380	279
KWM48+00N 08+00E	23	116	40	0.1	7540	<1	190	40	309	115
KWM48+00N 08+25E	81	60	<10	0.3	8070	<1	500	162	69	33
KWM47+50N 00+00W	22	153	20	0.3	9940	<1	310	23	1070	180
KWM47+50N 00+25W	66	33	<10	0.5	13500	<1	420	39	81	29
KWM47+50N 00+50W	32	112	100	0.4	8090	<1	270	114	222	63
KWM47+50N 00+75W	22	223	50	<0.1	13200	2	140	17	188	262
KWM47+50N 01+00W	13	235	80	<0.1	11100	1	140	34	215	94
KWM47+50N 01+25W	114	74	<10	0.4	11500	<1	570	42	76	25
KWM47+50N 01+50W	19	41	<10	0.3	7750	<1	570	59	18	45
KWM47+50N 02+25W	36	34	20	<0.1	780	<1	430	26	43	74
KWM47+50N 02+75W	1	54	40	0.2	1200	<1	400	14	92	364
KWM47+50N 03+00W	17	101	20	<0.1	2600	<1	360	7	198	74
KWM47+50N 03+25W	20	92	190	<0.1	2580	<1	330	21	140	120
KWM47+50N 03+50W	20	298	230	<0.1	2030	1	70	165	73	61
KWM47+50N 03+75W	14	80	50	<0.1	1570	<1	410	8	36	39
KWM47+50N 04+00W	33	135	<10	0.1	2630	<1	290	46	75	162
KWM47+50N 04+25W	6	248	250	<0.1	960	14	110	19	141	241
KWM47+50N 04+50W	92	23	<10	0.4	1340	<1	570	15	<5	17
KWM47+50N 05+00W	5	252	10	<0.1	330	<1	40	40	61	170

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11003663 Order: Terralogic Exploration/Shipment#KW10-001

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM47+50N 05+25W	140	35	<10	0.3	2260	<1	710	104	60	202
KWM47+50N 02+00E	6	254	80	<0.1	2440	<1	20	21	118	74
KWM47+50N 02+25E	3	250	140	<0.1	3520	3	40	19	222	137
KWM47+50N 02+50E	3	>300	<10	<0.1	1520	<1	20	13	6	33
KWM47+50N 02+75E	118	59	10	0.2	7210	<1	390	130	102	181
KWM47+50N 03+00E	25	34	250	<0.1	9820	1	190	88	177	36
KWM47+50N 03+25E	6	16	6360	0.3	570	<1	30	5	34	18
KWM47+50N 03+50E	21	80	10	0.6	3620	<1	250	207	17	146
*Rep KWM51+50N 05+25E	43	104	20	0.2	9240	<1	290	63	253	121
*Rep KWM48+00N 07+25E	13	180	50	0.2	10600	1	100	55	411	69
*Rep KWM47+50N 00+00W	19	150	30	0.3	9980	<1	320	25	1270	158
*Rep KWM47+50N 05+00W	5	244	10	<0.1	280	<1	40	36	48	165
*Std MMISRM16	17	42	20	20.8	90	<1	190	4	20	55
*Std AMIS0189	9	72	20	0.7	620	<1	40	2	886	123
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	6	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM51+50N 03+00E	<100	0.5	3370	20	9.9	5.5	67	1	24	<1
KWM51+50N 03+25E	<100	<0.5	960	5	2.2	1.8	18	<1	6	<1
KWM51+50N 03+50E	<100	<0.5	1220	9	3.9	3.3	16	<1	14	<1
KWM51+50N 04+00E	<100	1.1	620	20	8.8	7.6	45	3	28	<1
KWM51+50N 04+50E	<100	<0.5	130	12	5.7	3.3	12	<1	15	<1
KWM51+50N 05+00E	<100	<0.5	1370	17	7.3	6.3	23	1	23	<1
KWM51+50N 05+25E	<100	2.6	980	50	19.8	16.9	44	3	70	<1
KWM48+00N 03+75E	<100	<0.5	3200	21	10.5	6.7	40	<1	26	<1
KWM48+00N 04+00E	<100	1.7	510	12	4.5	4.3	25	1	16	<1
KWM48+00N 04+25E	<100	<0.5	1730	22	10.7	6.8	49	2	26	<1
KWM48+00N 04+50E	<100	1.8	580	79	32.5	27.1	132	9	115	<1
KWM48+00N 04+75E	<100	0.5	170	11	4.6	3.6	170	21	14	<1
KWM48+00N 05+00E	<100	1.8	330	38	15.4	13.8	116	11	51	<1
KWM48+00N 05+25E	<100	2.4	410	35	12.6	11.3	65	9	43	<1
KWM48+00N 05+50E	<100	2.6	450	37	14.2	12.9	124	8	49	<1
KWM48+00N 05+75E	<100	<0.5	370	4	1.4	2.1	14	<1	5	<1
KWM48+00N 06+00E	<100	1.5	1070	60	26.2	17.0	81	6	76	<1
KWM48+00N 06+25E	<100	0.8	2170	74	33.4	22.6	55	3	93	<1
KWM48+00N 06+50E	<100	<0.5	1820	71	34.0	22.6	35	2	92	1
KWM48+00N 06+75E	100	3.5	420	32	13.8	11.4	182	11	46	<1
KWM48+00N 07+00E	<100	2.8	1080	70	36.1	18.2	199	10	80	<1
KWM48+00N 07+25E	100	1.2	620	81	36.5	24.5	154	14	104	<1
KWM48+00N 07+50E	<100	2.9	1470	142	59.9	38.4	161	11	164	<1
KWM48+00N 07+75E	<100	2.4	1940	94	44.9	25.5	84	7	109	<1
KWM48+00N 08+00E	<100	7.1	700	68	33.6	20.5	77	7	90	<1
KWM48+00N 08+25E	<100	0.6	2220	22	10.3	7.0	34	<1	28	<1
KWM47+50N 00+00W	<100	<0.5	730	191	73.4	49.1	47	6	229	<1
KWM47+50N 00+25W	<100	0.6	1610	26	10.7	9.1	18	<1	36	1
KWM47+50N 00+50W	<100	1.9	620	35	14.5	10.7	89	4	42	<1
KWM47+50N 00+75W	<100	0.7	320	19	8.7	7.4	137	7	24	<1
KWM47+50N 01+00W	<100	1.3	430	29	12.3	9.8	161	12	35	<1
KWM47+50N 01+25W	<100	<0.5	1200	26	12.2	7.0	26	<1	27	<1
KWM47+50N 01+50W	<100	<0.5	1470	5	2.9	2.3	35	<1	7	<1
KWM47+50N 02+25W	<100	2.6	1840	16	7.5	5.3	32	<1	21	<1
KWM47+50N 02+75W	<100	8.4	110	28	13.7	10.6	69	1	39	<1
KWM47+50N 03+00W	<100	2.9	550	63	34.6	18.7	57	2	63	<1
KWM47+50N 03+25W	<100	57.8	460	26	11.0	7.6	88	3	30	<1
KWM47+50N 03+50W	<100	4.2	160	11	4.6	3.5	137	13	12	<1
KWM47+50N 03+75W	<100	63.5	200	7	3.4	2.2	92	2	7	<1
KWM47+50N 04+00W	<100	<0.5	870	110	69.7	15.0	140	2	65	<1
KWM47+50N 04+25W	<100	9.2	300	62	35.6	13.0	138	7	45	<1
KWM47+50N 04+50W	<100	0.7	1610	23	11.9	4.9	15	<1	22	<1
KWM47+50N 05+00W	<100	14.2	330	62	33.4	9.9	118	14	33	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_end_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1113863 Order: Terralogic Exploration/Shipment#KW10-001

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM47+50N 05+25W	<100	0.6	4850	35	21.4	7.7	20	<1	38	<1
KWM47+50N 02+00E	200	6.1	280	11	4.6	4.1	305	17	14	<1
KWM47+50N 02+25E	100	3.7	350	12	5.2	5.6	209	21	17	<1
KWM47+50N 02+50E	<100	0.7	150	4	3.0	<0.5	81	4	1	<1
KWM47+50N 02+75E	<100	1.6	2160	60	32.0	15.1	18	1	68	<1
KWM47+50N 03+00E	<100	4.1	1630	65	30.4	21.3	70	3	92	<1
KWM47+50N 03+25E	<100	291	230	27	10.5	9.0	1460	1	36	3
KWM47+50N 03+50E	<100	0.9	5100	10	6.5	2.3	234	<1	9	<1
*Rep KWM51+50N 05+25E	<100	2.5	1030	50	20.2	17.0	60	4	70	<1
*Rep KWM48+00N 07+25E	<100	1.3	600	82	37.7	25.2	145	13	107	<1
*Rep KWM47+50N 00+00W	<100	<0.5	920	225	85.8	59.2	45	7	273	<1
*Rep KWM47+50N 05+00W	<100	14.0	310	57	32.6	8.3	120	14	29	<1
*Std MMISRM16	<100	12.0	620	3	1.0	1.2	2	<1	5	13
*Std AMIS0169	100	8.3	4720	34	14.3	13.1	48	14	53	<1
*Blk BLANK	<100	<0.5	<10	1	<0.5	<0.5	<1	<1	2	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM51+50N 03+00E	<0.5	4.5	38	<5	82	1230	13	0.6	67	765
KWM51+50N 03+25E	<0.5	6.9	7	8	125	470	6	<0.5	16	297
KWM51+50N 03+50E	<0.5	6.5	15	<5	79	7130	21	0.6	35	439
KWM51+50N 04+00E	<0.5	9.4	38	<5	31	1440	6	1.0	75	194
KWM51+50N 04+50E	<0.5	4.8	9	<5	64	10300	19	<0.5	26	464
KWM51+50N 05+00E	<0.5	6.8	32	<5	30	400	<5	<0.5	61	616
KWM51+50N 05+25E	<0.5	16.2	84	<5	14	6440	<5	0.7	168	248
KWM48+00N 03+75E	<0.5	6.0	33	11	40	590	<5	<0.5	62	1460
KWM48+00N 04+00E	<0.5	12.9	25	6	15	1120	7	<0.5	44	166
KWM48+00N 04+25E	<0.5	5.0	39	<5	42	24100	8	0.5	70	902
KWM48+00N 04+50E	<0.5	21.0	163	<5	22	3630	11	2.0	321	409
KWM48+00N 04+75E	<0.5	14.1	36	<5	9	3480	12	3.8	51	71
KWM48+00N 05+00E	<0.5	18.8	101	<5	9	5500	<5	2.5	163	176
KWM48+00N 05+25E	<0.5	13.4	102	<5	15	1000	5	1.9	134	131
KWM48+00N 05+50E	<0.5	22.9	90	<5	15	5130	7	2.3	147	210
KWM48+00N 05+75E	<0.5	11.3	9	<5	19	1250	<5	<0.5	16	70
KWM48+00N 06+00E	<0.5	13.0	86	<5	21	4100	5	1.5	179	799
KWM48+00N 06+25E	<0.5	10.4	152	<5	22	4110	5	<0.5	262	732
KWM48+00N 06+50E	<0.5	12.5	100	<5	20	3530	5	<0.5	220	1140
KWM48+00N 06+75E	<0.5	15.8	66	<5	9	1410	9	3.2	130	197
KWM48+00N 07+00E	<0.5	18.3	94	<5	18	9160	7	2.6	185	518
KWM48+00N 07+25E	<0.5	17.8	171	<5	12	4290	10	2.5	303	513
KWM48+00N 07+50E	<0.5	16.1	218	<5	7	14300	7	1.9	429	659
KWM48+00N 07+75E	<0.5	18.4	143	<5	11	21900	9	2.1	265	977
KWM48+00N 08+00E	<0.5	14.3	109	<5	13	6180	10	1.4	251	346
KWM48+00N 08+25E	<0.5	12.5	28	5	65	1230	<5	<0.5	73	596
KWM47+50N 00+00W	<0.5	35.5	279	<5	27	2520	<5	<0.5	509	316
KWM47+50N 00+25W	<0.5	31.0	37	<5	16	1620	11	<0.5	77	484
KWM47+50N 00+50W	<0.5	20.7	78	<5	11	4820	10	1.2	120	178
KWM47+50N 00+75W	<0.5	43.1	71	<5	6	8620	9	1.9	93	229
KWM47+50N 01+00W	<0.5	37.5	88	<5	8	2580	9	3.1	113	149
KWM47+50N 01+25W	<0.5	5.7	20	12	14	1500	<5	<0.5	48	665
KWM47+50N 01+50W	<0.5	22.7	11	37	27	3470	6	<0.5	18	582
KWM47+50N 02+25W	<0.5	14.1	21	93	41	7130	9	<0.5	47	972
KWM47+50N 02+75W	<0.5	19.1	36	156	21	26100	25	1.0	65	3190
KWM47+50N 03+00W	<0.5	9.1	75	<5	9	710	<5	<0.5	142	260
KWM47+50N 03+25W	<0.5	21.8	38	6	15	3570	6	<0.5	67	368
KWM47+50N 03+50W	<0.5	22.0	29	<5	11	310	<5	1.3	47	121
KWM47+50N 03+75W	<0.5	14.8	13	9	15	300	5	0.5	22	117
KWM47+50N 04+00W	<0.5	35.3	34	14	11	1780	<5	<0.5	80	616
KWM47+50N 04+25W	0.5	14.2	49	<5	6	3730	<5	0.8	99	153
KWM47+50N 04+50W	<0.5	8.3	2	6	12	890	<5	<0.5	11	433
KWM47+50N 05+00W	<0.5	15.6	16	<5	2	3190	<5	1.4	56	60

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's reprasentativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111863 Order: Terralogic Exploration/Shipment#KW10-001

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM47+50N 05+25W	<0.5	15.9	26	21	16	6780	10	<0.5	66	2040
KWM47+50N 02+00E	<0.5	17.3	53	<5	2	4260	9	3.6	63	36
KWM47+50N 02+25E	<0.5	12.4	107	<5	2	8150	13	4.5	104	43
KWM47+50N 02+50E	<0.5	13.4	4	<5	6	200	<5	0.8	3	28
KWM47+50N 02+75E	<0.5	15.0	40	15	24	11300	9	<0.5	91	1160
KWM47+50N 03+00E	<0.5	11.4	86	<5	24	1580	19	<0.5	194	638
KWM47+50N 03+25E	<0.5	10.1	15	7	6	540	507	1.4	33	79
KWM47+50N 03+50E	<0.5	20.9	10	<5	30	5660	8	<0.5	19	1350
*Rep KWM51+50N 05+25E	<0.5	16.2	91	<5	12	7750	6	0.9	176	251
*Rep KWM48+00N 07+25E	<0.5	17.9	168	<5	12	4140	9	2.3	298	520
*Rep KWM47+50N 00+00W	<0.5	38.4	329	<5	27	2610	<5	<0.5	592	344
*Rep KWM47+50N 05+00W	<0.5	16.2	13	<5	2	2580	<5	1.5	44	59
*Std MMISRM16	<0.5	34.9	5	<5	29	120	43	<0.5	17	238
*Std AMIS0169	<0.5	47.5	437	<5	34	4390	<5	4.1	410	512
*Blk BLANK	<0.5	<0.1	1	<5	<1	<10	<5	<0.5	1	<5
*Blk BLANK	<0.5	<0.1	2	<5	<1	<10	<5	<0.5	1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM51+50N 03+00E	0.3	190	<1	14	<1	30	4	26	18	<1
KWM51+50N 03+25E	0.2	50	<1	3	<1	25	1	9	5	<1
KWM51+50N 03+50E	0.3	40	<1	7	<1	12	2	7	11	<1
KWM51+50N 04+00E	1.2	170	<1	14	<1	85	2	13	22	<1
KWM51+50N 04+50E	0.3	10	<1	4	<1	14	2	5	10	<1
KWM51+50N 05+00E	0.2	100	<1	12	<1	26	<1	7	18	<1
KWM51+50N 05+25E	0.6	290	<1	33	<1	100	2	25	51	<1
KWM48+00N 03+75E	0.2	90	<1	13	<1	16	2	14	18	<1
KWM48+00N 04+00E	0.6	100	<1	9	<1	53	1	8	12	<1
KWM48+00N 04+25E	0.3	140	<1	15	<1	43	2	24	19	<1
KWM48+00N 04+50E	4.5	520	<1	64	<1	106	6	37	90	<1
KWM48+00N 04+75E	5.3	670	<1	11	<1	91	5	14	13	1
KWM48+00N 05+00E	4.4	960	<1	35	<1	154	3	30	44	<1
KWM48+00N 05+25E	2.7	670	<1	30	<1	145	2	33	36	<1
KWM48+00N 05+50E	4.6	680	<1	32	<1	132	4	36	41	<1
KWM48+00N 05+75E	0.3	50	<1	3	<1	12	<1	<5	5	<1
KWM48+00N 06+00E	1.9	610	<1	35	<1	74	3	40	55	<1
KWM48+00N 06+25E	0.9	180	<1	56	<1	34	2	41	74	<1
KWM48+00N 06+50E	0.6	130	<1	42	<1	6	2	33	66	<1
KWM48+00N 06+75E	3.3	710	<1	26	<1	217	5	36	37	<1
KWM48+00N 07+00E	3.0	850	<1	37	<1	146	6	60	57	<1
KWM48+00N 07+25E	8.0	480	<1	63	<1	70	6	73	83	<1
KWM48+00N 07+50E	7.8	800	<1	90	<1	105	6	121	128	<1
KWM48+00N 07+75E	3.6	360	<1	59	<1	104	5	93	83	<1
KWM48+00N 08+00E	4.7	250	<1	50	<1	125	7	38	71	<1
KWM48+00N 08+25E	0.4	90	<1	14	<1	53	1	18	22	<1
KWM47+50N 00+00W	1.4	890	<1	105	<1	26	3	111	159	<1
KWM47+50N 00+25W	0.5	90	<1	15	<1	27	2	17	25	<1
KWM47+50N 00+50W	2.7	420	<1	26	<1	98	7	31	33	<1
KWM47+50N 00+75W	5.9	800	<1	21	<1	56	6	23	21	<1
KWM47+50N 01+00W	7.0	720	<1	26	<1	145	5	24	30	<1
KWM47+50N 01+25W	0.2	170	<1	10	<1	26	1	20	18	<1
KWM47+50N 01+50W	0.2	70	<1	4	<1	40	3	7	5	<1
KWM47+50N 02+25W	0.5	40	<1	9	<1	37	3	9	14	<1
KWM47+50N 02+75W	0.4	30	<1	16	<1	132	7	15	28	<1
KWM47+50N 03+00W	1.1	380	<1	29	<1	73	3	27	43	<1
KWM47+50N 03+25W	2.2	260	<1	14	<1	226	9	20	21	<1
KWM47+50N 03+50W	3.6	330	<1	10	<1	191	12	15	11	<1
KWM47+50N 03+75W	0.9	250	<1	5	<1	280	4	11	6	<1
KWM47+50N 04+00W	0.4	1090	<1	15	<1	34	1	61	32	<1
KWM47+50N 04+25W	2.8	1460	<1	20	<1	243	3	30	29	2
KWM47+50N 04+50W	0.2	60	<1	1	<1	20	<1	12	8	<1
KWM47+50N 05+00W	2.3	980	<1	10	<1	78	<1	21	19	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111863 Order: Terralogic Exploration/Shipment#KW10-001

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM47+50N 05+25W	0.1	270	<1	12	<1	33	2	26	22	<1
KWM47+50N 02+00E	19.1	220	<1	15	<1	217	7	22	14	<1
KWM47+50N 02+25E	6.4	670	<1	27	<1	197	9	21	19	<1
KWM47+50N 02+50E	1.2	270	<1	<1	<1	56	<1	8	<1	<1
KWM47+50N 02+75E	0.4	240	<1	17	<1	30	5	35	33	<1
KWM47+50N 03+00E	1.5	200	<1	36	<1	54	14	35	63	<1
KWM47+50N 03+25E	13.9	40	1	6	<1	230	470	60	18	2
KWM47+50N 03+50E	0.3	70	<1	4	<1	37	4	46	6	<1
*Rep KWM51+50N 05+25E	1.1	340	<1	35	<1	94	2	29	53	<1
*Rep KWM48+00N 07+25E	7.6	460	<1	62	<1	70	6	72	83	<1
*Rep KWM47+50N 00+00W	1.4	860	<1	123	<1	28	3	116	189	<1
*Rep KWM47+50N 05+00W	2.1	940	<1	8	<1	77	<1	20	16	<1
*Std MMISRM16	0.3	70	23	3	<1	307	<1	8	5	<1
*Std AMIS0169	3.2	130	<1	107	<1	272	1	68	69	1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM51+50N 03+00E	1720	<1	4	<10	35.5	35	<0.5	132	<1	117
KWM51+50N 03+25E	2210	<1	1	<10	17.1	4	<0.5	31	<1	25
KWM51+50N 03+50E	1430	<1	2	<10	19.6	11	<0.5	79	<1	51
KWM51+50N 04+00E	1190	<1	4	<10	27.8	210	<0.5	14	<1	104
KWM51+50N 04+50E	1790	<1	2	<10	5.0	5	<0.5	121	<1	77
KWM51+50N 05+00E	2230	<1	3	<10	11.7	5	<0.5	55	<1	97
KWM51+50N 05+25E	1190	<1	10	<10	40.5	137	0.7	26	<1	239
KWM48+00N 03+75E	2740	<1	4	<10	26.4	<3	<0.5	151	<1	139
KWM48+00N 04+00E	1640	<1	2	<10	26.5	70	<0.5	24	<1	53
KWM48+00N 04+25E	2070	<1	4	<10	18.0	28	<0.5	81	<1	140
KWM48+00N 04+50E	1080	<1	16	<10	39.2	493	<0.5	19	<1	431
KWM48+00N 04+75E	360	<1	2	<10	21.7	1060	<0.5	9	<1	53
KWM48+00N 05+00E	600	<1	8	<10	40.3	684	0.6	17	<1	187
KWM48+00N 05+25E	800	<1	7	<10	48.7	676	0.7	20	<1	141
KWM48+00N 05+50E	690	<1	7	<10	63.0	565	0.5	20	<1	163
KWM48+00N 05+75E	1780	<1	<1	<10	15.5	19	<0.5	11	<1	16
KWM48+00N 06+00E	1000	<1	11	<10	37.0	503	<0.5	27	<1	320
KWM48+00N 06+25E	1100	<1	15	<10	94.3	59	<0.5	57	<1	414
KWM48+00N 06+50E	1920	<1	14	<10	84.0	24	<0.5	53	<1	414
KWM48+00N 06+75E	750	<1	7	<10	52.2	827	0.8	15	<1	165
KWM48+00N 07+00E	900	<1	13	<10	65.6	623	0.6	27	<1	406
KWM48+00N 07+25E	500	<1	16	<10	62.6	630	<0.5	23	<1	461
KWM46+00N 07+50E	310	<1	27	<10	114	493	0.7	49	<1	709
KWM48+00N 07+75E	640	<1	17	<10	69.4	397	0.9	49	<1	519
KWM48+00N 08+00E	670	<1	13	<10	41.8	361	1.2	22	<1	446
KWM48+00N 06+25E	2570	<1	4	<10	36.0	5	<0.5	129	<1	127
KWM47+50N 00+00W	1330	<1	36	<10	91.0	49	<0.5	98	<1	942
KWM47+50N 00+25W	1950	<1	5	<10	62.9	11	<0.5	41	<1	137
KWM47+50N 00+50W	950	<1	7	<10	54.8	231	<0.5	21	<1	159
KWM47+50N 00+75W	790	<1	4	<10	30.6	431	<0.5	12	<1	94
KWM47+50N 01+00W	650	<1	6	<10	29.8	696	<0.5	14	<1	138
KWM47+50N 01+25W	3120	<1	4	<10	24.4	6	<0.5	23	<1	136
KWM47+50N 01+50W	2460	<1	1	<10	6.7	6	<0.5	37	<1	41
KWM47+50N 02+25W	2130	<1	3	<10	26.1	13	<0.5	45	<1	104
KWM47+50N 02+75W	2840	<1	6	<10	10.0	50	<0.5	59	<1	189
KWM47+50N 03+00W	1430	<1	11	<10	55.6	30	<0.5	66	<1	445
KWM47+50N 03+25W	1060	<1	5	<10	38.8	62	1.0	14	<1	132
KWM47+50N 03+50W	480	<1	2	<10	14.8	317	<0.5	4	<1	60
KWM47+50N 03+75W	1620	<1	1	<10	25.3	25	1.2	8	<1	37
KWM47+50N 04+00W	1400	<1	14	<10	27.7	18	<0.5	337	<1	898
KWM47+50N 04+25W	640	<1	9	<10	23.6	160	0.9	18	<1	401
KWM47+50N 04+50W	2600	<1	4	<10	19.7	<3	<0.5	101	<1	129
KWM47+50N 05+00W	350	<1	8	<10	20.1	306	<0.5	10	<1	356

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11 1863 Order: Terralogic Exploration/Shipment#KW10-001

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM47+50N 05+25W	3300	<1	6	<10	36.6	17	<0.5	62	<1	187
KWM47+50N 02+00E	190	<1	2	<10	32.0	608	<0.5	14	<1	52
KWM47+50N 02+25E	360	<1	3	<10	32.5	964	0.6	9	<1	55
KWM47+50N 02+50E	400	<1	<1	<10	4.3	124	<0.5	3	<1	22
KWM47+50N 02+75E	1640	<1	11	<10	47.7	52	<0.5	54	<1	314
KWM47+50N 03+00E	1230	<1	13	<10	70.5	74	<0.5	57	1	367
KWM47+50N 03+25E	130	<1	5	<10	40.2	82	1.7	17	4	93
KWM47+50N 03+50E	1520	<1	2	<10	8.2	35	0.6	136	<1	77
*Rep KWM51+50N 05+25E	1080	<1	10	<10	44.7	230	0.6	25	<1	240
*Rep KWM48+00N 07+25E	500	<1	16	<10	63.3	588	<0.5	23	<1	448
*Rep KWM47+50N 00+00W	1310	<1	43	<10	101	48	<0.5	116	<1	1100
*Rep KWM47+50N 05+00W	330	<1	7	<10	18.4	303	<0.5	10	<1	336
*Std MMISRM16	410	<1	<1	<10	19.6	<3	<0.5	45	<1	11
*Std AMIS0169	100	<1	8	<10	88.7	517	1.3	30	2	142
*Blk BLANK	<10	<1	<1	<10	0.7	<3	<0.5	<1	<1	8
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extant of the law.

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM51+50N 03+00E	8	660	21
KWM51+50N 03+25E	2	440	8
KWM51+50N 03+50E	3	80	14
KWM51+50N 04+00E	6	210	46
KWM51+50N 04+50E	4	50	11
KWM51+50N 05+00E	5	110	18
KWM51+50N 05+25E	12	430	50
KWM48+00N 03+75E	9	210	15
KWM48+00N 04+00E	3	550	37
KWM48+00N 04+25E	8	640	29
KWM48+00N 04+50E	20	690	88
KWM48+00N 04+75E	3	290	106
KWM48+00N 05+00E	10	350	104
KWM48+00N 05+25E	8	190	94
KWM48+00N 05+50E	10	240	135
KWM48+00N 05+75E	1	160	24
KWM48+00N 06+00E	16	670	64
KWM48+00N 06+25E	24	870	90
KWM48+00N 06+50E	25	500	72
KWM48+00N 06+75E	10	360	133
KWM48+00N 07+00E	28	860	170
KWM48+00N 07+25E	26	620	160
KWM48+00N 07+50E	38	1490	165
KWM48+00N 07+75E	33	1040	262
KWM48+00N 08+00E	23	760	118
KWM48+00N 08+25E	8	1270	25
KWM47+50N 00+00W	40	100	71
KWM47+50N 00+25W	7	330	60
KWM47+50N 00+50W	10	1380	114
KWM47+50N 00+75W	7	200	103
KWM47+50N 01+00W	8	460	128
KWM47+50N 01+25W	9	80	28
KWM47+50N 01+50W	3	960	10
KWM47+50N 02+25W	6	1060	24
KWM47+50N 02+75W	11	440	18
KWM47+50N 03+00W	28	230	66
KWM47+50N 03+25W	8	1030	61
KWM47+50N 03+50W	3	490	53
KWM47+50N 03+75W	3	380	44
KWM47+50N 04+00W	49	1710	42
KWM47+50N 04+25W	26	530	74
KWM47+50N 04+50W	9	30	14
KWM47+50N 05+00W	22	1080	58

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1111863 Order: Terralogic Exploration/Shipment#KW10-001

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
KWM47+50N 05+25W	19	320	18
KWM47+50N 02+00E	3	570	210
KWM47+50N 02+25E	4	370	273
KWM47+50N 02+50E	2	460	24
KWM47+50N 02+75E	24	380	40
KWM47+50N 03+00E	21	940	79
KWM47+50N 03+25E	7	270	110
KWM47+50N 03+50E	5	3070	25
*Rep KWM51+50N 05+25E	13	450	62
*Rep KWM48+00N 07+25E	26	610	153
*Rep KWM47+50N 00+00W	47	90	77
*Rep KWM47+50N 05+00W	22	1020	53
*Std MMISRM16	<1	260	18
*Std AMIS0169	12	250	61
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO111864

Date: Oct 26, 2010

To: Account Payable
COD SGS Minerals
C/O #50-655 West Kent Avenue N.
VANCOUVER
BC V6P 6T7

P.O. No.	:	Terralogic Exploration/Shipment#KW10-001
Project No.	:	-
No. Of Samples	:	109
Date Submitted	:	Sep 29, 2010
Report Comprises	:	Pages 1 to 19 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM47+50N 04+25E	50	118	<10	0.2	15200	<1	400	124	85	15
KWM47+50N 04+50E	49	145	<10	0.2	12500	<1	270	190	100	83
KWM47+50N 04+75E	41	120	10	0.2	10300	<1	310	86	183	34
KWM47+50N 05+50E	9	121	40	<0.1	11000	<1	220	45	173	64
KWM47+50N 05+75E	18	114	20	0.1	14200	<1	300	66	180	38
KWM47+50N 06+00E	7	164	40	<0.1	4310	2	130	101	83	259
KWM47+50N 06+25E	25	245	70	0.1	3810	1	100	37	121	53
KWM47+50N 06+50E	20	208	100	<0.1	4100	1	50	46	268	82
KWM47+50N 06+75E	9	225	100	<0.1	5670	2	30	51	157	26
KWM47+50N 07+00E	14	180	60	<0.1	10300	<1	170	198	286	29
KWM47+50N 07+25E	21	261	80	<0.1	6220	1	30	38	172	24
KWM47+50N 07+50E	14	145	120	<0.1	4890	<1	130	67	104	49
KWM47+50N 07+75E	38	135	70	<0.1	11000	<1	170	89	119	66
KWM47+50N 08+00E	50	241	80	<0.1	13400	1	120	70	200	40
KWM47+50N 08+25E	17	207	170	<0.1	5890	2	50	142	146	59
KWM47+50N 06+50E	17	207	100	<0.1	4740	1	70	73	124	74
KWM47+00N 01+50W	40	81	<10	0.3	4770	<1	460	177	150	17
KWM47+00N 01+75W	13	>300	340	<0.1	980	<1	<10	9	64	21
KWM47+00N 02+00W	4	>300	<10	<0.1	1160	<1	20	11	9	46
KWM47+00N 02+25W	5	>300	<10	<0.1	970	<1	10	8	11	139
KWM47+00N 02+75W	52	293	400	0.3	1950	2	40	7	216	137
KWM47+00N 03+00W	17	268	260	0.2	3470	1	60	7	177	155
KWM47+00N 03+25W	78	219	1000	1.2	1610	<1	130	49	505	150
KWM47+00N 03+50W	35	148	30	<0.1	2910	<1	330	26	346	30
KWM47+00N 03+75W	92	107	30	<0.1	1470	<1	410	16	139	114
KWM47+00N 04+00W	68	156	160	<0.1	4600	3	130	14	181	202
KWM47+00N 04+25W	3	187	40	<0.1	1270	2	30	1	37	62
KWM47+00N 04+75W	20	278	60	<0.1	5060	2	60	14	333	119
KWM47+00N 01+00E	92	10	<10	0.2	2250	<1	310	62	<5	27
KWM47+00N 01+25E	72	30	10	0.1	7780	<1	360	49	72	55
KWM47+00N 01+50E	59	4	<10	0.2	9830	<1	250	92	<5	112
KWM47+00N 02+00E	18	291	70	<0.1	5770	3	30	46	175	119
KWM47+00N 02+25E	6	219	80	<0.1	5430	2	70	66	200	195
KWM47+00N 02+50E	72	68	30	0.2	5130	<1	300	38	138	18
KWM47+00N 02+75E	5	243	80	<0.1	5250	3	50	33	190	91
KWM47+00N 03+25E	22	32	80	0.9	540	<1	390	229	18	121
KWM47+00N 03+50E	31	190	60	0.4	9430	2	160	96	169	150
KWM47+00N 03+75E	19	257	210	0.1	4230	3	10	22	222	251
KWM47+00N 04+00E	31	117	<10	0.1	12600	<1	370	77	310	10
KWM47+00N 04+25E	105	100	<10	0.5	11800	<1	390	208	127	54
KWM47+00N 04+50E	52	52	<10	0.2	7220	<1	430	34	89	15
KWM47+00N 04+75E	58	61	<10	0.1	3810	<1	410	41	36	7
KWM47+00N 05+50E	63	65	<10	0.2	7370	<1	440	73	51	31

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11138M Order: Terralogic Exploration/Shipment#KW10-001

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM47+00N 05+75E	40	103	20	<0.1	3800	<1	270	161	74	74
KWM47+00N 06+00E	42	85	<10	<0.1	6380	<1	420	100	45	22
KWM47+00N 06+25E	36	92	<10	0.1	7870	<1	360	74	48	17
KWM47+00N 06+50E	40	237	590	<0.1	4830	1	120	66	112	39
KWM47+00N 06+75E	8	255	100	<0.1	3580	2	30	42	173	76
KWM47+00N 07+00E	13	239	100	<0.1	4820	1	50	61	157	76
KWM47+00N 07+75E	44	79	<10	0.2	15300	<1	460	42	40	20
KWM47+00N 08+00E	53	281	50	<0.1	11000	1	60	29	157	66
KWM47+00N 08+25E	15	242	110	<0.1	3860	1	30	27	106	32
KWM47+00N 08+50E	16	243	100	<0.1	5860	1	30	25	244	32
KWM46+50N 00+00W	17	52	30	<0.1	7710	<1	290	41	332	40
KWM46+50N 00+25W	72	61	90	0.2	14700	2	330	166	524	385
KWM46+50N 00+50W	30	51	30	0.4	10400	1	330	65	155	362
KWM46+50N 00+75W	77	54	40	0.3	8270	<1	300	95	163	124
KWM46+50N 01+00W	35	181	50	0.2	3830	<1	160	75	377	66
KWM46+50N 01+25W	29	124	60	0.4	7420	1	240	62	149	153
KWM46+50N 01+50W	15	89	<10	0.1	4900	<1	390	29	57	16
KWM46+50N 01+75W	21	205	90	0.1	2780	2	80	59	155	195
KWM46+50N 02+00W	9	117	170	<0.1	3050	4	150	11	109	52
KWM46+50N 02+75W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
KWM46+50N 03+00W	40	258	30	<0.1	1600	1	20	13	111	161
KWM46+50N 03+25W	8	>300	20	<0.1	840	<1	10	14	30	53
KWM46+50N 03+50W	19	104	180	0.8	12200	2	170	39	360	72
KWM46+50N 03+75W	7	>300	110	<0.1	2920	4	<10	6	99	181
KWM46+50N 04+00W	7	>300	20	<0.1	1720	<1	50	10	62	49
KWM46+50N 04+25W	19	259	10	<0.1	400	<1	20	7	163	63
KWM46+50N 04+50W	57	37	<10	0.6	1120	<1	580	36	34	20
KWM46+50N 00+25E	32	88	50	<0.1	6300	<1	260	87	363	76
KWM46+50N 00+75E	123	118	<10	0.3	20500	<1	360	157	204	192
KWM46+50N 01+00E	76	49	<10	0.3	11900	<1	480	47	54	98
KWM46+50N 01+25E	28	65	10	0.3	9850	<1	390	64	121	203
KWM46+50N 02+25E	50	100	30	0.1	5890	<1	330	176	228	35
KWM46+50N 02+50E	9	84	30	<0.1	3660	<1	310	20	68	42
KWM46+50N 02+75E	20	>300	100	<0.1	4030	2	<10	24	192	27
KWM46+50N 03+25E	10	106	40	<0.1	2770	<1	240	93	193	86
KWM46+50N 03+50E	33	>300	80	<0.1	3700	2	20	85	146	32
KWM46+50N 03+75E	5	184	150	<0.1	4260	4	60	25	160	302
KWM46+50N 04+00E	11	211	140	<0.1	5340	2	60	30	182	40
KWM46+50N 04+25E	20	277	90	<0.1	6610	2	40	50	337	155
KWM46+50N 04+50E	57	246	110	<0.1	12400	2	50	67	351	330
KWM46+50N 04+75E	62	68	<10	0.4	8580	<1	490	314	74	95
KWM46+50N 05+00E	47	51	<10	0.2	7140	<1	410	26	43	24
KWM45+00N 03+25E	70	34	<10	0.3	11000	<1	400	100	49	49

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM45+00N 03+50E	25	153	50	0.2	13400	1	180	212	276	177
KWM45+00N 03+75E	6	183	160	<0.1	5380	4	40	24	154	170
KWM45+00N 04+00E	6	267	100	<0.1	9190	2	60	26	298	288
KWM45+00N 04+25E	10	152	90	0.1	12700	2	110	32	383	172
KWM45+00N 04+50E	5	230	130	<0.1	7640	3	60	42	127	108
KWM45+00N 04+75E	7	218	120	<0.1	6510	2	90	80	257	134
KWM45+00N 05+00E	170	56	10	0.4	3170	<1	360	591	120	19
KWM44+50N 03+00E	13	89	<10	0.2	3840	<1	450	141	26	24
KWM44+50N 03+25E	71	15	<10	0.1	2240	<1	380	129	<5	111
KWM44+50N 04+00E	38	95	90	0.2	15600	2	230	117	680	80
KWM44+50N 04+25E	109	92	10	0.4	3020	<1	350	75	201	15
KWM44+50N 04+50E	23	203	210	0.4	8000	2	100	373	386	220
KWM44+50N 04+75E	5	181	220	<0.1	4130	1	100	58	88	126
KWM44+00N 00+00W	12	131	<10	0.1	10300	<1	220	144	137	69
KWM44+00N 00+25W	23	29	20	<0.1	1810	<1	410	64	69	24
KWM44+00N 00+75W	63	21	<10	0.1	4000	<1	430	50	32	44
KWM44+00N 01+25W	16	29	<10	<0.1	2010	<1	440	174	42	96
KWM44+00N 01+50W	33	68	<10	0.1	4610	<1	390	137	40	15
KWM44+00N 01+75W	29	47	<10	0.1	2750	<1	570	32	53	22
KWM44+00N 02+00W	46	149	<10	0.5	10100	<1	170	56	15	458
KWM44+00N 02+25W	6	82	50	0.2	1760	2	90	31	29	144
KWM44+00N 02+50W	17	122	30	0.1	1640	<1	260	52	111	110
KWM44+50N 01+50W	78	19	<10	0.3	2930	<1	640	72	29	23
*Rep KWM47+50N 07+00E	13	182	70	<0.1	11000	1	170	185	208	32
*Rep KWM47+00N 04+00W	60	147	180	<0.1	4720	3	130	12	187	198
*Rep KWM47+00N 02+50E	78	60	30	0.2	5270	<1	310	39	122	19
*Rep KWM47+00N 06+50E	46	256	570	0.1	4590	1	110	56	112	37
*Rep KWM46+50N 01+50W	16	95	<10	0.1	4960	<1	400	30	60	16
*Rep KWM48+50N 03+50W	19	104	190	0.2	12300	2	180	40	345	72
*Rep KWM46+50N 04+00E	10	208	140	<0.1	4610	2	50	23	179	43
*Rep KWM44+00N 01+50W	41	69	<10	0.2	5070	<1	400	136	46	13
*Rep KWM44+00N 01+75W	24	41	<10	0.1	2680	<1	530	26	50	23
*Std MMISRM16	15	44	20	22.2	70	<1	190	4	18	60
*Std AMIS0169	8	76	10	0.4	780	<1	40	2	943	145
*Std MMISRM18	21	26	10	8.9	170	<1	180	77	21	76
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11864 Order: Terralogic Exploration/Shipment#KW10-001

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM47+50N 04+25E	<100	0.6	1880	37	18.0	7.5	35	108	35	<1
KWM47+50N 04+50E	<100	0.8	1790	87	56.4	11.3	138	91	59	<1
KWM47+50N 04+75E	<100	1.0	990	42	19.1	10.8	55	75	47	<1
KWM47+50N 05+50E	<100	2.0	480	35	16.1	9.8	91	83	44	<1
KWM47+50N 05+75E	<100	0.7	1010	43	21.0	11.0	60	105	51	<1
KWM47+50N 06+00E	<100	5.0	390	31	18.6	6.9	191	42	32	<1
KWM47+50N 06+25E	<100	3.3	360	14	7.3	4.3	173	55	17	<1
KWM47+50N 06+50E	100	9.5	440	21	9.4	8.5	183	52	32	<1
KWM47+50N 06+75E	<100	5.1	340	9	4.5	3.4	156	83	13	<1
KWM47+50N 07+00E	<100	1.5	450	19	9.5	7.7	93	86	30	<1
KWM47+50N 07+25E	<100	2.7	250	9	4.4	3.5	164	80	13	<1
KWM47+50N 07+50E	<100	2.7	230	8	3.5	2.5	134	51	10	<1
KWM47+50N 07+75E	<100	3.0	340	9	3.7	2.9	107	89	12	<1
KWM47+50N 08+00E	<100	1.3	280	9	3.8	3.2	110	117	13	<1
KWM47+50N 08+25E	<100	10.0	320	17	7.9	6.0	246	76	23	<1
KWM47+50N 08+50E	<100	7.9	290	12	5.5	4.2	176	59	16	<1
KWM47+00N 01+50W	<100	0.9	2570	57	27.1	16.0	30	35	75	<1
KWM47+00N 01+75W	<100	2.2	270	8	4.6	1.8	103	34	7	<1
KWM47+00N 02+00W	<100	1.6	110	12	8.0	1.1	37	15	5	<1
KWM47+00N 02+25W	<100	3.6	120	5	5.5	<0.5	38	14	2	<1
KWM47+00N 02+75W	<100	247	260	44	20.9	11.0	194	25	43	<1
KWM47+00N 03+00W	<100	59.3	250	21	10.0	5.0	196	34	23	<1
KWM47+00N 03+25W	<100	72.8	560	85	41.7	25.6	125	19	86	<1
KWM47+00N 03+50W	<100	21.5	590	148	71.2	39.3	36	22	136	<1
KWM47+00N 03+75W	<100	3.6	220	20	10.3	5.6	26	12	18	<1
KWM47+00N 04+00W	<100	6.2	230	19	10.2	8.1	198	39	23	<1
KWM47+00N 04+25W	<100	11.1	470	5	3.4	1.0	301	17	3	<1
KWM47+00N 04+75W	<100	10.6	380	78	41.4	22.8	155	50	73	<1
KWM47+00N 01+00E	<100	3.8	1180	5	2.6	0.8	8	16	5	<1
KWM47+00N 01+25E	<100	4.1	600	19	7.9	6.0	21	55	28	<1
KWM47+00N 01+50E	<100	5.5	850	2	1.3	<0.5	3	70	3	3
KWM47+00N 02+00E	<100	5.7	260	14	6.2	4.7	205	74	18	<1
KWM47+00N 02+25E	100	8.9	480	17	8.0	5.9	206	68	22	<1
KWM47+00N 02+50E	<100	9.8	1320	28	11.3	9.3	30	38	39	<1
KWM47+00N 02+75E	200	14.7	310	22	10.1	7.1	193	73	29	<1
KWM47+00N 03+25E	<100	54.3	800	15	8.2	1.9	26	4	15	<1
KWM47+00N 03+50E	<100	5.3	2510	136	79.6	19.9	184	73	98	<1
KWM47+00N 03+75E	200	5.6	520	35	14.2	10.3	366	47	43	<1
KWM47+00N 04+00E	<100	1.3	1130	82	44.4	14.4	50	90	70	<1
KWM47+00N 04+25E	<100	1.0	6400	92	61.6	15.3	85	85	73	<1
KWM47+00N 04+50E	<100	0.7	1460	25	10.3	7.1	25	53	31	<1
KWM47+00N 04+75E	<100	5.5	750	6	2.2	2.0	14	27	8	<1
KWM47+00N 05+50E	<100	1.2	1430	12	5.8	3.1	23	54	15	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM47+00N 05+75E	<100	4.4	920	20	10.8	5.5	41	30	25	<1
KWM47+00N 06+00E	<100	1.5	400	14	7.2	3.7	19	46	18	<1
KWM47+00N 06+25E	<100	2.8	940	10	5.1	3.3	16	59	15	<1
KWM47+00N 06+50E	<100	1.6	280	9	4.1	2.7	103	51	11	<1
KWM47+00N 06+75E	100	5.8	360	9	3.8	3.3	192	68	13	<1
KWM47+00N 07+00E	<100	6.8	250	13	6.1	4.8	200	61	19	<1
KWM47+00N 07+75E	<100	3.1	660	13	7.0	2.9	24	109	15	<1
KWM47+00N 08+00E	<100	0.8	250	11	4.3	3.5	105	94	15	<1
KWM47+00N 08+25E	<100	5.8	190	9	4.6	3.1	227	60	11	<1
KWM47+00N 08+50E	<100	5.2	370	14	5.9	5.5	187	67	21	<1
KWM46+50N 00+00W	<100	15.5	1200	70	33.6	21.6	44	55	99	<1
KWM46+50N 00+25W	<100	3.2	3080	125	67.0	37.8	111	106	160	<1
KWM46+50N 00+50W	<100	1.4	3880	45	25.9	11.1	215	74	49	<1
KWM46+50N 00+75W	<100	3.1	2970	38	18.2	11.0	52	61	50	1
KWM46+50N 01+00W	<100	14.3	1230	111	50.3	27.5	94	31	126	<1
KWM46+50N 01+25W	<100	1.0	2500	86	45.8	15.7	132	56	76	<1
KWM46+50N 01+50W	<100	0.8	960	19	9.6	4.6	36	35	21	<1
KWM46+50N 01+75W	<100	2.8	860	102	55.5	14.7	235	26	71	<1
KWM46+50N 02+00W	300	35.7	420	15	7.5	3.9	259	37	17	<1
KWM46+50N 02+75W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
KWM46+50N 03+00W	<100	74.2	300	19	11.0	3.6	150	23	14	<1
KWM46+50N 03+25W	<100	5.9	70	7	4.7	1.0	114	19	4	<1
KWM46+50N 03+50W	<100	5.5	810	68	32.0	21.9	154	92	91	<1
KWM46+50N 03+75W	<100	10.1	280	8	4.3	1.9	204	53	8	<1
KWM46+50N 04+00W	<100	1.7	80	17	8.5	3.3	108	23	13	<1
KWM46+50N 04+25W	<100	7.9	330	39	20.5	13.4	76	53	33	<1
KWM46+50N 04+50W	<100	10.9	530	17	8.8	5.0	13	8	19	<1
KWM46+50N 00+25E	<100	10.9	1080	90	42.9	27.6	75	46	125	<1
KWM46+50N 00+75E	<100	0.8	3160	87	51.2	18.4	37	144	88	<1
KWM46+50N 01+00E	<100	0.6	2840	21	9.9	5.8	29	83	26	<1
KWM46+50N 01+25E	<100	1.6	2480	23	12.3	6.5	89	70	28	<1
KWM46+50N 02+25E	<100	5.1	1940	46	22.4	12.1	63	45	56	<1
KWM46+50N 02+50E	<100	6.1	310	9	4.2	2.5	111	31	11	<1
KWM46+50N 02+75E	100	6.4	420	17	7.2	5.4	207	76	22	<1
KWM46+50N 03+25E	<100	4.8	690	20	8.1	5.6	53	26	24	<1
KWM46+50N 03+50E	<100	4.5	770	11	4.8	3.7	160	86	14	<1
KWM46+50N 03+75E	200	26.8	250	16	6.9	4.8	279	51	20	<1
KWM46+50N 04+00E	100	17.3	820	22	11.2	7.5	253	68	29	<1
KWM46+50N 04+25E	200	14.0	460	33	13.6	10.7	195	76	43	<1
KWM46+50N 04+50E	100	12.7	400	33	12.5	10.3	168	103	44	<1
KWM46+50N 04+75E	<100	0.7	12000	38	23.2	7.9	56	64	38	<1
KWM46+50N 05+00E	<100	2.7	2260	14	6.8	3.5	18	52	16	<1
KWM45+00N 03+25E	<100	1.1	1460	20	10.2	5.5	27	80	26	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM45+00N 03+50E	<100	1.7	1760	125	68.3	27.0	144	102	129	<1
KWM45+00N 03+75E	200	2.1	340	18	8.1	5.3	312	60	23	<1
KWM45+00N 04+00E	100	5.2	620	39	16.4	11.9	255	88	52	<1
KWM45+00N 04+25E	100	4.6	730	65	25.8	19.5	187	103	86	<1
KWM45+00N 04+50E	100	4.6	280	16	7.2	5.1	286	86	21	<1
KWM45+00N 04+75E	100	13.9	470	32	13.2	9.8	205	72	40	<1
KWM45+00N 05+00E	<100	8.8	4100	66	33.9	18.6	32	24	82	<1
KWM44+50N 03+00E	<100	0.9	1050	12	8.0	1.8	25	29	9	<1
KWM44+50N 03+25E	<100	0.9	4490	9	5.2	1.3	10	17	8	<1
KWM44+50N 04+00E	100	1.6	2830	153	75.0	41.2	111	117	189	2
KWM44+50N 04+25E	<100	6.3	3180	70	29.7	20.2	23	23	92	1
KWM44+50N 04+50E	200	17.3	740	63	24.6	18.6	217	73	78	1
KWM44+50N 04+75E	100	9.2	360	15	8.3	5.1	282	52	20	<1
KWM44+00N 00+00W	<100	0.9	590	74	38.6	11.4	221	78	58	<1
KWM44+00N 00+25W	<100	12.3	1050	13	7.0	3.3	38	14	15	<1
KWM44+00N 00+75W	<100	1.5	2300	29	13.5	7.9	9	30	36	<1
KWM44+00N 01+25W	<100	0.8	360	12	7.2	2.6	66	16	12	<1
KWM44+00N 01+50W	<100	<0.5	690	24	13.9	4.5	57	36	23	<1
KWM44+00N 01+75W	<100	0.6	770	11	5.1	3.1	51	22	15	<1
KWM44+00N 02+00W	<100	2.1	1760	61	64.8	2.1	214	80	14	<1
KWM44+00N 02+25W	<100	2.8	1450	10	7.9	1.5	359	17	7	<1
KWM44+00N 02+50W	<100	2.1	810	37	17.5	7.4	115	16	33	<1
KWM44+50N 01+50W	<100	0.8	3830	13	6.8	3.5	51	23	16	<1
*Rep KWM47+50N 07+00E	<100	1.7	440	17	8.3	6.4	109	95	25	<1
*Rep KWM47+00N 04+00W	<100	6.4	230	19	10.5	6.0	211	41	24	<1
*Rep KWM47+00N 02+50E	<100	10.5	1300	26	10.8	8.6	28	39	36	<1
*Rep KWM47+00N 06+50E	<100	1.7	290	9	4.3	2.7	106	50	11	<1
*Rep KWM46+50N 01+50W	<100	0.8	950	19	9.6	4.8	36	36	21	<1
*Rep KWM46+50N 03+50W	<100	5.7	820	68	31.6	21.2	157	93	89	<1
*Rep KWM46+50N 04+00E	100	16.5	380	17	8.2	6.4	256	64	24	<1
*Rep KWM44+00N 01+50W	<100	<0.5	810	24	13.5	4.9	57	39	24	<1
*Rep KWM44+00N 01+75W	<100	0.7	710	9	4.3	2.8	49	21	13	<1
*Std MMISRM16	<100	13.1	590	3	1.1	1.3	2	<1	5	19
*Std AMIS0169	100	8.6	4410	37	16.3	14.9	52	16	64	<1
*Std MMISRM18	<100	6.7	820	4	1.4	1.2	3	1	5	5
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM47+50N 04+25E	<0.5	8.5	40	<5	27	470	<5	0.7	65	1040
KWM47+50N 04+50E	<0.5	6.9	36	8	19	2840	<5	0.6	78	2210
KWM47+50N 04+75E	<0.5	13.1	68	6	17	1740	<5	0.8	111	694
KWM47+50N 05+50E	<0.5	12.5	76	<5	19	3580	9	1.9	114	292
KWM47+50N 05+75E	<0.5	6.9	67	<5	22	1560	6	0.8	118	548
KWM47+50N 06+00E	<0.5	11.9	29	7	14	7710	10	3.3	69	283
KWM47+50N 06+25E	<0.5	24.9	53	<5	10	2190	10	6.7	67	114
KWM47+50N 06+50E	<0.5	16.9	106	<5	4	6730	11	5.8	164	58
KWM47+50N 06+75E	<0.5	14.7	72	<5	3	3520	11	7.7	74	63
KWM47+50N 07+00E	<0.5	19.8	111	<5	10	9650	8	3.8	170	137
KWM47+50N 07+25E	<0.5	17.7	82	<5	2	1080	7	6.8	81	45
KWM47+50N 07+50E	<0.5	22.8	50	<5	11	5360	12	4.7	50	61
KWM47+50N 07+75E	<0.5	26.4	58	<5	13	1940	7	2.4	58	88
KWM47+50N 08+00E	<0.5	28.0	107	<5	9	920	7	5.0	83	68
KWM47+50N 08+25E	<0.5	18.2	58	<5	2	4760	14	7.0	99	81
KWM47+50N 08+50E	<0.5	14.8	52	<5	4	4440	11	4.2	72	75
KWM47+00N 01+50W	<0.5	6.7	55	26	12	720	5	<0.5	130	2500
KWM47+00N 01+75W	<0.5	10.5	32	<5	1	200	<5	4.8	30	22
KWM47+00N 02+00W	<0.5	10.2	4	<5	4	830	<5	<0.5	7	21
KWM47+00N 02+25W	<0.5	6.0	5	<5	3	200	<5	<0.5	5	21
KWM47+00N 02+75W	<0.5	21.8	102	10	7	890	<5	1.9	124	88
KWM47+00N 03+00W	<0.5	16.4	85	6	7	3070	<5	2.4	91	83
KWM47+00N 03+25W	<0.5	27.0	189	<5	7	12100	<5	2.3	246	207
KWM47+00N 03+50W	<0.5	46.5	137	<5	13	1120	<5	<0.5	242	603
KWM47+00N 03+75W	<0.5	232	30	<5	36	6200	<5	<0.5	44	108
KWM47+00N 04+00W	<0.5	9.9	72	<5	3	5400	<5	1.3	98	41
KWM47+00N 04+25W	<0.5	14.1	22	<5	4	490	<5	3.5	15	53
KWM47+00N 04+75W	<0.5	26.8	176	6	5	10800	6	3.5	216	83
KWM47+00N 01+00E	<0.5	17.0	<1	24	57	1110	8	<0.5	2	386
KWM47+00N 01+25E	<0.5	15.2	31	8	21	2420	6	<0.5	65	462
KWM47+00N 01+50E	<0.5	15.1	<1	13	31	5800	10	<0.5	<1	250
KWM47+00N 02+00E	<0.5	20.3	92	<5	4	5220	12	12.3	77	73
KWM47+00N 02+25E	<0.5	18.8	74	6	8	7130	9	13.1	102	124
KWM47+00N 02+50E	<0.5	16.0	67	6	29	1650	7	1.4	113	201
KWM47+00N 02+75E	<0.5	14.9	86	<5	5	2650	8	19.9	115	122
KWM47+00N 03+25E	<0.5	20.4	5	20	86	4510	7	<0.5	19	1050
KWM47+00N 03+50E	0.6	10.6	77	<5	21	5280	<5	1.3	159	1480
KWM47+00N 03+75E	0.6	19.7	104	6	2	8970	14	5.0	130	151
KWM47+00N 04+00E	<0.5	6.0	63	<5	30	2000	<5	<0.5	113	960
KWM47+00N 04+25E	<0.5	20.2	73	<5	32	2130	7	<0.5	127	2680
KWM47+00N 04+50E	<0.5	16.5	40	<5	29	600	8	<0.5	69	350
KWM47+00N 04+75E	<0.5	13.9	10	6	65	200	<5	<0.5	21	179
KWM47+00N 05+50E	<0.5	8.4	15	9	26	1750	5	<0.5	31	729

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM47+00N 05+75E	<0.5	21.9	32	<5	22	5550	6	1.2	57	423
KWM47+00N 06+00E	<0.5	15.1	16	<5	34	4680	6	0.6	34	314
KWM47+00N 06+25E	<0.5	15.4	21	<5	17	1700	<5	0.7	39	272
KWM47+00N 06+50E	<0.5	11.4	57	<5	3	7220	7	3.3	48	57
KWM47+00N 06+75E	<0.5	18.0	90	<5	2	6740	11	12.3	67	36
KWM47+00N 07+00E	<0.5	14.7	68	<5	3	3490	7	5.0	90	57
KWM47+00N 07+75E	<0.5	21.7	11	<5	26	1050	5	<0.5	27	286
KWM47+00N 08+00E	<0.5	17.8	85	<5	3	1200	5	3.4	70	77
KWM47+00N 08+25E	<0.5	11.5	47	<5	2	1530	9	6.6	54	41
KWM47+00N 08+50E	<0.5	19.4	116	<5	3	6300	10	5.8	125	46
KWM46+50N 00+00W	<0.5	13.2	179	19	34	2010	6	<0.5	301	712
KWM46+50N 00+25W	<0.5	20.2	208	12	38	20300	17	1.0	371	2040
KWM46+50N 00+50W	<0.5	9.2	59	13	36	15400	25	1.2	120	1510
KWM46+50N 00+75W	<0.5	16.1	57	<5	19	11700	30	0.7	120	712
KWM46+50N 01+00W	<0.5	22.6	160	<5	9	2790	9	1.2	294	314
KWM46+50N 01+25W	<0.5	6.8	60	<5	10	1620	10	1.1	124	1360
KWM46+50N 01+50W	<0.5	14.4	25	7	15	330	<5	<0.5	46	480
KWM46+50N 01+75W	<0.5	20.5	53	5	8	13600	10	2.1	100	512
KWM46+50N 02+00W	<0.5	11.8	54	7	8	1910	37	10.0	57	165
KWM46+50N 02+75W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
KWM46+50N 03+00W	<0.5	14.0	54	9	2	4000	<5	3.4	50	52
KWM46+50N 03+25W	<0.5	17.8	15	<5	3	510	<5	2.0	14	43
KWM46+50N 03+50W	<0.5	15.3	143	<5	8	4770	13	2.8	256	516
KWM46+50N 03+75W	<0.5	17.1	56	6	2	4360	9	9.4	36	39
KWM46+50N 04+00W	<0.5	17.8	38	<5	7	590	<5	2.6	35	87
KWM46+50N 04+25W	<0.5	12.1	88	<5	<1	3570	<5	5.9	92	46
KWM46+50N 04+50W	<0.5	18.7	19	809	24	1970	<5	<0.5	33	858
KWM46+50N 00+25E	<0.5	20.4	290	11	27	3280	5	0.6	385	1060
KWM46+50N 00+75E	<0.5	24.6	93	7	25	11200	<5	<0.5	169	2470
KWM46+50N 01+00E	<0.5	12.5	31	6	51	5240	13	0.5	59	850
KWM46+50N 01+25E	<0.5	9.2	55	12	22	10800	10	1.0	82	865
KWM46+50N 02+25E	<0.5	13.4	82	<5	26	2380	8	1.5	142	897
KWM46+50N 02+50E	<0.5	13.6	30	8	20	550	11	2.0	37	88
KWM46+50N 02+75E	<0.5	14.9	101	<5	2	660	9	7.7	92	47
KWM46+50N 03+25E	<0.5	15.9	58	<5	25	5130	12	5.9	77	191
KWM46+50N 03+50E	<0.5	11.5	81	<5	1	820	6	18.0	69	48
KWM46+50N 03+75E	<0.5	14.9	61	9	8	18400	17	23.6	74	104
KWM46+50N 04+00E	<0.5	22.4	88	6	4	1830	13	14.7	121	221
KWM46+50N 04+25E	<0.5	17.3	158	<5	4	6960	8	13.4	160	112
KWM46+50N 04+50E	<0.5	17.5	162	<5	5	11600	9	9.1	158	125
KWM46+50N 04+75E	<0.5	6.4	44	<5	41	1510	8	<0.5	80	4360
KWM46+50N 05+00E	<0.5	12.6	18	5	23	890	7	<0.5	33	515
KWM45+00N 03+25E	<0.5	34.8	32	14	62	2970	12	<0.5	56	645

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM45+00N 03+50E	<0.5	29.8	141	16	12	5800	6	1.5	253	1100
KWM45+00N 03+75E	<0.5	13.6	67	5	6	10500	17	7.5	74	150
KWM45+00N 04+00E	<0.5	15.0	145	8	4	12400	13	5.8	159	201
KWM45+00N 04+25E	<0.5	15.8	182	<5	9	9030	11	3.9	233	328
KWM45+00N 04+50E	<0.5	17.6	56	9	6	3720	13	7.1	74	141
KWM45+00N 04+75E	<0.5	19.5	102	5	7	7300	13	5.8	134	133
KWM45+00N 05+00E	<0.5	14.1	87	9	42	630	7	<0.5	168	1470
KWM44+50N 03+00E	<0.5	6.0	9	27	33	4740	<5	<0.5	15	1550
KWM44+50N 03+25E	<0.5	14.3	<1	11	72	3170	29	<0.5	3	1100
KWM44+50N 04+00E	<0.5	12.5	266	<5	27	3860	15	1.3	459	1090
KWM44+50N 04+25E	<0.5	19.2	116	30	36	500	7	<0.5	207	590
KWM44+50N 04+50E	<0.5	21.1	169	<5	7	9190	13	5.6	230	206
KWM44+50N 04+75E	<0.5	14.1	31	6	8	4990	15	5.5	70	104
KWM44+00N 00+00W	<0.5	16.1	66	<5	43	800	<5	1.5	105	640
KWM44+00N 00+25W	<0.5	9.6	15	18	40	2800	14	<0.5	31	530
KWM44+00N 00+75W	<0.5	16.9	22	12	44	1550	13	<0.5	54	544
KWM44+00N 01+25W	<0.5	9.6	11	28	34	6570	11	<0.5	22	1400
KWM44+00N 01+50W	<0.5	9.6	20	6	55	1570	6	<0.5	37	1310
KWM44+00N 01+75W	<0.5	8.4	30	54	16	350	<5	<0.5	42	343
KWM44+00N 02+00W	<0.5	21.6	6	10	18	740	<5	<0.5	13	935
KWM44+00N 02+25W	<0.5	16.6	13	5	6	460	25	2.7	15	527
KWM44+00N 02+50W	<0.5	25.1	43	9	14	6090	<5	0.8	67	389
KWM44+50N 01+50W	<0.5	9.8	18	42	23	870	22	<0.5	33	1740
*Rep KWM47+50N 07+00E	<0.5	20.6	85	<5	11	8190	6	4.3	128	152
*Rep KWM47+00N 04+00W	<0.5	11.6	75	<5	3	5650	<5	1.4	101	38
*Rep KWM47+00N 02+50E	<0.5	16.3	64	8	30	1800	7	1.2	102	189
*Rep KWM47+00N 06+50E	<0.5	12.4	56	<5	3	9010	6	3.6	49	60
*Rep KWM46+50N 01+50W	<0.5	15.0	25	8	16	360	<5	<0.5	48	470
*Rep KWM46+50N 03+50W	<0.5	15.3	141	<5	9	4670	13	2.9	246	526
*Rep KWM46+50N 04+00E	<0.5	22.1	80	<5	3	2040	12	14.2	115	78
*Rep KWM44+00N 01+50W	<0.5	9.9	23	6	58	1370	6	<0.5	42	1450
*Rep KWM44+00N 01+75W	<0.5	8.2	28	45	15	310	<5	<0.5	38	294
*Std MMISRM16	<0.5	33.5	4	<5	27	100	46	<0.5	16	243
*Std AMIS0169	<0.5	46.8	517	<5	35	4880	<5	4.3	442	565
*Std MMISRM16	<0.5	25.1	6	<5	88	580	35	<0.5	16	555
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM47+50N 04+25E	0.3	500	<1	14	<1	22	1	51	23	<1
KWM47+50N 04+50E	0.5	770	<1	15	<1	43	2	66	31	<1
KWM47+50N 04+75E	0.9	330	<1	24	<1	29	2	29	34	<1
KWM47+50N 05+50E	3.2	410	1	25	<1	102	5	27	34	<1
KWM47+50N 05+75E	1.4	360	<1	25	<1	31	3	28	37	<1
KWM47+50N 06+00E	5.9	460	<1	14	<1	160	6	84	22	<1
KWM47+50N 06+25E	15.8	290	1	16	<1	143	7	30	15	1
KWM47+50N 06+50E	8.3	420	1	39	<1	255	9	36	33	<1
KWM47+50N 06+75E	15.8	230	2	19	<1	174	10	23	13	2
KWM47+50N 07+00E	5.7	230	<1	40	<1	122	6	19	31	<1
KWM47+50N 07+25E	13.9	240	1	22	<1	92	7	21	14	1
KWM47+50N 07+50E	7.9	240	<1	13	<1	136	6	16	10	1
KWM47+50N 07+75E	5.4	210	<1	15	<1	113	7	14	11	<1
KWM47+50N 08+00E	5.1	270	<1	23	<1	57	7	13	13	1
KWM47+50N 08+25E	13.1	450	<1	22	<1	272	12	36	22	1
KWM47+50N 08+50E	10.0	330	1	17	<1	292	10	27	15	1
KWM47+00N 01+50W	0.3	150	<1	25	<1	38	2	20	46	<1
KWM47+00N 01+75W	3.8	320	<1	8	<1	132	3	13	6	<1
KWM47+00N 02+00W	0.4	290	<1	1	<1	61	<1	10	2	<1
KWM47+00N 02+25W	0.5	200	<1	1	<1	123	<1	9	1	<1
KWM47+00N 02+75W	5.7	1120	<1	29	<1	276	2	56	33	<1
KWM47+00N 03+00W	3.1	720	<1	23	<1	249	4	24	19	<1
KWM47+00N 03+25W	8.6	960	2	60	<1	270	13	49	66	<1
KWM47+00N 03+50W	1.3	410	<1	51	<1	300	2	44	67	<1
KWM47+00N 03+75W	1.0	940	<1	10	<1	143	<1	15	13	<1
KWM47+00N 04+00W	1.9	3280	<1	24	<1	298	3	23	21	<1
KWM47+00N 04+25W	3.5	50	<1	4	<1	155	1	12	3	<1
KWM47+00N 04+75W	5.7	920	1	52	<1	282	4	43	55	<1
KWM47+00N 01+00E	0.2	50	<1	<1	<1	57	1	9	2	<1
KWM47+00N 01+25E	0.9	130	<1	13	<1	63	1	13	20	<1
KWM47+00N 01+50E	0.2	120	<1	<1	<1	49	<1	<5	<1	<1
KWM47+00N 02+00E	18.5	630	2	21	<1	184	6	25	17	1
KWM47+00N 02+25E	12.4	970	1	25	<1	213	6	35	22	2
KWM47+00N 02+50E	2.1	160	<1	25	<1	167	3	19	31	<1
KWM47+00N 02+75E	21.7	570	1	27	<1	206	5	37	27	2
KWM47+00N 03+25E	0.6	10	<1	3	<1	172	2	14	6	<1
KWM47+00N 03+50E	2.4	1540	1	31	<1	66	10	129	56	<1
KWM47+00N 03+75E	21.0	690	2	31	<1	160	17	42	38	1
KWM47+00N 04+00E	0.4	390	<1	23	<1	63	1	65	41	<1
KWM47+00N 04+25E	0.3	240	<1	26	<1	54	4	119	43	<1
KWM47+00N 04+50E	0.4	110	<1	15	<1	14	1	16	22	<1
KWM47+00N 04+75E	0.6	160	<1	4	<1	126	<1	9	7	<1
KWM47+00N 05+50E	0.3	190	<1	6	<1	33	2	12	10	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM47+00N 05+75E	1.4	180	<1	12	<1	191	3	36	17	<1
KWM47+00N 06+00E	1.0	50	<1	6	<1	169	<1	12	11	<1
KWM47+00N 06+25E	0.8	60	<1	8	<1	122	1	7	11	<1
KWM47+00N 06+50E	5.8	250	<1	13	<1	64	9	16	10	1
KWM47+00N 06+75E	20.5	230	2	19	<1	268	9	22	13	2
KWM47+00N 07+00E	9.9	310	1	21	<1	200	10	25	18	1
KWM47+00N 07+75E	0.4	220	<1	5	<1	55	2	8	10	<1
KWM47+00N 08+00E	4.3	260	<1	19	<1	35	7	11	14	<1
KWM47+00N 08+25E	19.0	320	2	13	<1	197	8	30	11	1
KWM47+00N 08+50E	12.2	280	1	33	<1	164	11	26	22	1
KWM46+50N 00+00W	1.2	190	<1	66	<1	140	3	35	80	<1
KWM46+50N 00+25W	1.7	410	1	79	<1	29	10	85	115	<1
KWM46+50N 00+50W	0.6	260	<1	25	<1	20	8	59	35	<1
KWM46+50N 00+75W	1.1	160	<1	24	<1	72	11	29	36	<1
KWM46+50N 01+00W	5.7	330	<1	63	<1	129	9	58	89	<1
KWM46+50N 01+25W	1.3	730	<1	25	<1	49	10	101	45	<1
KWM46+50N 01+50W	0.7	500	<1	10	<1	14	1	13	14	<1
KWM46+50N 01+75W	8.4	1070	1	20	<1	96	8	94	40	<1
KWM46+50N 02+00W	17.6	330	1	14	<1	248	13	29	14	2
KWM46+50N 02+75W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
KWM46+50N 03+00W	2.2	620	<1	13	<1	209	1	19	11	<1
KWM46+50N 03+25W	3.2	340	<1	4	<1	160	<1	12	3	<1
KWM46+50N 03+50W	6.0	400	1	55	<1	116	14	53	72	<1
KWM46+50N 03+75W	4.2	670	1	11	<1	336	9	21	7	2
KWM46+50N 04+00W	3.7	820	<1	9	<1	50	1	11	8	<1
KWM46+50N 04+25W	3.0	180	1	23	<1	52	<1	15	24	<1
KWM46+50N 04+50W	0.3	40	<1	7	<1	119	2	7	12	<1
KWM46+50N 00+25E	2.8	250	<1	89	<1	99	3	42	100	<1
KWM46+50N 00+75E	0.5	350	<1	34	<1	37	4	81	56	<1
KWM46+50N 01+00E	0.3	50	<1	12	<1	44	2	14	19	<1
KWM46+50N 01+25E	0.5	170	<1	18	<1	52	7	28	21	<1
KWM46+50N 02+25E	2.0	170	<1	31	<1	63	7	52	40	<1
KWM46+50N 02+50E	3.3	270	<1	9	<1	89	6	17	9	<1
KWM46+50N 02+75E	13.1	290	2	24	<1	233	11	26	20	2
KWM46+50N 03+25E	3.8	440	<1	18	<1	120	3	15	20	<1
KWM46+50N 03+50E	12.7	490	2	18	<1	182	4	24	14	1
KWM46+50N 03+75E	44.9	1180	1	18	<1	198	8	36	18	2
KWM46+50N 04+00E	14.5	1150	2	28	<1	328	10	40	27	1
KWM46+50N 04+25E	19.4	940	2	40	<1	223	6	41	39	1
KWM46+50N 04+50E	7.5	1480	1	40	<1	200	7	42	38	<1
KWM46+50N 04+75E	0.3	250	<1	18	<1	34	10	43	24	<1
KWM46+50N 05+00E	0.3	80	<1	7	<1	29	3	19	11	<1
KWM45+00N 03+25E	0.3	90	<1	11	<1	31	1	14	17	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11-1884 Order: Terralogic Exploration/Shipment#KW10-001

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM45+00N 03+50E	3.2	790	<1	52	<1	72	6	97	84	<1
KWM45+00N 03+75E	12.0	560	2	18	<1	131	15	30	19	2
KWM45+00N 04+00E	6.3	770	2	39	<1	143	11	44	41	1
KWM45+00N 04+25E	5.9	500	1	53	<1	103	10	54	66	<1
KWM45+00N 04+50E	11.9	540	<1	17	<1	145	10	31	18	1
KWM45+00N 04+75E	15.4	390	1	32	<1	192	14	43	35	1
KWM45+00N 05+00E	0.8	150	<1	33	<1	141	4	45	54	<1
KWM44+50N 03+00E	0.3	100	<1	3	<1	42	2	15	5	<1
KWM44+50N 03+25E	0.2	60	<1	<1	<1	32	3	13	3	<1
KWM44+50N 04+00E	2.6	560	2	96	<1	56	14	121	139	<1
KWM44+50N 04+25E	0.9	100	<1	42	<1	147	3	33	65	<1
KWM44+50N 04+50E	9.9	540	<1	53	<1	224	22	69	84	<1
KWM44+50N 04+75E	17.1	370	1	14	<1	200	15	32	17	<1
KWM44+00N 00+00W	2.5	820	<1	22	<1	46	2	61	35	<1
KWM44+00N 00+25W	0.7	50	<1	6	<1	91	3	16	10	<1
KWM44+00N 00+75W	0.3	80	<1	9	<1	37	2	25	21	<1
KWM44+00N 01+25W	0.3	60	<1	4	<1	35	4	26	8	<1
KWM44+00N 01+50W	0.3	130	<1	7	<1	27	3	29	13	<1
KWM44+00N 01+75W	0.5	100	<1	9	<1	37	2	7	11	<1
KWM44+00N 02+00W	0.6	340	<1	3	<1	61	1	42	6	<1
KWM44+00N 02+25W	4.2	190	<1	4	<1	92	8	36	5	<1
KWM44+00N 02+50W	2.1	440	<1	14	<1	36	4	48	22	<1
KWM44+50N 01+50W	0.3	110	<1	7	<1	29	4	15	10	<1
*Rep KWM47+50N 07+00E	6.3	240	<1	30	<1	120	7	20	25	<1
*Rep KWM47+00N 04+00W	2.0	3420	<1	24	<1	318	3	23	22	<1
*Rep KWM47+00N 02+50E	1.9	140	<1	22	<1	165	3	19	28	<1
*Rep KWM47+00N 06+50E	6.6	260	<1	13	<1	69	9	17	10	1
*Rep KWM46+50N 01+50W	0.6	480	<1	10	<1	13	<1	13	15	<1
*Rep KWM46+50N 03+50W	5.9	390	1	54	<1	118	15	54	71	<1
*Rep KWM46+50N 04+00E	14.0	1250	1	26	<1	328	7	29	24	1
*Rep KWM44+00N 01+50W	0.3	110	<1	8	<1	29	3	29	15	<1
*Rep KWM44+00N 01+75W	0.4	80	<1	9	<1	40	1	6	10	<1
*Std MMISRM16	0.3	100	24	3	<1	310	<1	9	5	<1
*Std AMIS0169	3.2	150	<1	122	<1	268	1	76	75	1
*Std MMISRM18	0.7	310	14	3	7	163	<1	<5	5	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM47+50N 04+25E	2010	<1	6	<10	45.3	12	<0.5	106	<1	183
KWM47+50N 04+50E	1770	<1	12	<10	32.1	45	<0.5	83	<1	584
KWM47+50N 04+75E	1280	<1	8	<10	35.0	72	<0.5	51	<1	211
KWM47+50N 05+50E	1010	<1	7	<10	52.6	320	<0.5	15	<1	184
KWM47+50N 05+75E	1440	<1	8	<10	50.8	102	<0.5	32	<1	242
KWM47+50N 06+00E	630	<1	5	<10	70.6	561	<0.5	27	<1	188
KWM47+50N 06+25E	620	<1	3	<10	25.3	1320	<0.5	12	<1	74
KWM47+50N 06+50E	370	<1	4	<10	41.2	1120	<0.5	15	<1	108
KWM47+50N 06+75E	420	<1	2	<10	28.6	1540	<0.5	9	1	50
KWM47+50N 07+00E	1560	<1	4	<10	15.4	796	<0.5	8	<1	114
KWM47+50N 07+25E	360	<1	2	<10	24.1	1380	<0.5	7	<1	52
KWM47+50N 07+50E	650	<1	1	<10	20.6	983	<0.5	9	<1	39
KWM47+50N 07+75E	1330	<1	2	<10	19.6	379	<0.5	8	<1	46
KWM47+50N 08+00E	1050	<1	2	<10	15.6	1000	<0.5	6	<1	53
KWM47+50N 08+25E	470	<1	3	<10	38.9	1520	<0.5	17	1	85
KWM47+50N 08+50E	540	<1	2	<10	31.4	1020	<0.5	12	<1	61
KWM47+00N 01+50W	2310	<1	11	<10	44.6	14	<0.5	72	<1	355
KWM47+00N 01+75W	120	<1	1	<10	13.7	1030	<0.5	4	<1	42
KWM47+00N 02+00W	380	<1	1	<10	3.8	40	<0.5	3	<1	83
KWM47+00N 02+25W	370	<1	<1	<10	4.5	68	<0.5	3	<1	36
KWM47+00N 02+75W	360	<1	8	<10	24.1	335	<0.5	9	<1	216
KWM47+00N 03+00W	530	<1	4	<10	17.4	507	<0.5	6	<1	116
KWM47+00N 03+25W	360	<1	15	<10	60.7	395	<0.5	29	<1	429
KWM47+00N 03+50W	1200	<1	25	<10	26.1	47	<0.5	37	<1	721
KWM47+00N 03+75W	1600	<1	3	<10	21.6	41	<0.5	16	<1	96
KWM47+00N 04+00W	1250	<1	4	<10	36.5	247	<0.5	8	<1	105
KWM47+00N 04+25W	380	<1	<1	<10	17.4	535	<0.5	7	<1	24
KWM47+00N 04+75W	440	<1	13	<10	61.6	771	<0.5	24	<1	439
KWM47+00N 01+00E	1610	<1	<1	<10	4.9	10	<0.5	30	<1	26
KWM47+00N 01+25E	1630	<1	4	<10	36.6	25	<0.5	33	<1	95
KWM47+00N 01+50E	1620	<1	<1	<10	1.0	<3	<0.5	6	<1	14
KWM47+00N 02+00E	330	<1	3	<10	40.8	1870	<0.5	18	1	65
KWM47+00N 02+25E	610	<1	3	<10	38.5	2210	<0.5	13	1	81
KWM47+00N 02+50E	1290	<1	6	<10	37.9	164	<0.5	41	<1	131
KWM47+00N 02+75E	450	1	4	<10	41.8	3590	<0.5	12	2	111
KWM47+00N 03+25E	1830	<1	2	<10	10.2	4	<0.5	28	<1	93
KWM47+00N 03+50E	1090	<1	20	<10	64.9	153	<0.5	286	<1	878
KWM47+00N 03+75E	140	<1	7	<10	108	849	<0.5	46	1	149
KWM47+00N 04+00E	1670	<1	13	<10	39.1	17	<0.5	137	<1	463
KWM47+00N 04+25E	1660	<1	14	<10	53.6	31	<0.5	172	<1	566
KWM47+00N 04+50E	1800	<1	5	<10	59.4	13	<0.5	58	<1	114
KWM47+00N 04+75E	1660	<1	1	<10	23.6	15	<0.5	24	<1	21
KWM47+00N 05+50E	1790	<1	2	<10	20.7	26	<0.5	79	<1	72

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11186A Order: Terralogic Exploration/Shipment#KW10-001

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM47+00N 05+75E	890	<1	4	<10	28.1	164	<0.5	27	<1	123
KWM47+00N 06+00E	1740	<1	2	<10	14.8	31	<0.5	23	<1	89
KWM47+00N 06+25E	1170	<1	2	<10	11.3	61	<0.5	59	<1	64
KWM47+00N 06+50E	600	<1	2	<10	21.9	740	<0.5	10	<1	46
KWM47+00N 06+75E	250	<1	2	<10	35.0	2480	<0.5	13	1	40
KWM47+00N 07+00E	410	<1	3	<10	44.4	983	<0.5	15	<1	66
KWM47+00N 07+75E	2010	<1	2	<10	16.8	16	<0.5	78	<1	77
KWM47+00N 08+00E	580	<1	2	<10	22.4	626	<0.5	9	<1	55
KWM47+00N 08+25E	300	<1	2	<10	31.9	1200	<0.5	12	1	45
KWM47+00N 08+50E	320	<1	3	<10	33.9	1370	<0.5	12	1	69
KWM46+50N 00+00W	1310	<1	14	<10	96.2	49	<0.5	66	<1	354
KWM46+50N 00+25W	1540	<1	24	<10	132	82	<0.5	115	<1	721
KWM46+50N 00+50W	1990	<1	8	<10	39.5	91	<0.5	114	<1	267
KWM46+50N 00+75W	1390	<1	7	<10	57.4	82	<0.5	127	<1	215
KWM46+50N 01+00W	500	<1	20	<10	64.1	189	<0.5	61	<1	598
KWM46+50N 01+25W	1050	<1	14	<10	84.6	206	<0.5	112	<1	455
KWM46+50N 01+50W	1700	<1	3	<10	35.6	27	<0.5	38	<1	107
KWM46+50N 01+75W	470	<1	15	<10	91.2	378	<0.5	67	<1	520
KWM46+50N 02+00W	620	<1	3	<10	49.4	1290	<0.5	17	2	84
KWM46+50N 02+75W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
KWM46+50N 03+00W	310	<1	3	<10	17.8	567	<0.5	10	<1	104
KWM46+50N 03+25W	210	<1	<1	<10	12.2	426	<0.5	6	<1	38
KWM46+50N 03+50W	770	<1	14	<10	83.3	632	<0.5	31	1	326
KWM46+50N 03+75W	110	<1	1	<10	33.9	1710	<0.5	9	1	36
KWM46+50N 04+00W	460	<1	3	<10	12.3	432	<0.5	5	<1	122
KWM46+50N 04+25W	190	<1	6	<10	13.5	833	<0.5	12	<1	230
KWM46+50N 04+50W	5010	<1	3	<10	6.8	13	<0.5	34	<1	113
KWM46+50N 00+25E	1010	<1	17	<10	63.8	74	<0.5	66	<1	473
KWM46+50N 00+75E	1610	<1	14	<10	63.9	20	<0.5	179	<1	503
KWM46+50N 01+00E	2170	<1	4	<10	36.7	15	<0.5	83	<1	116
KWM46+50N 01+25E	1570	<1	4	<10	33.1	63	<0.5	34	<1	141
KWM46+50N 02+25E	1320	<1	8	<10	41.4	148	<0.5	173	<1	243
KWM46+50N 02+50E	1350	<1	2	<10	35.6	186	<0.5	23	<1	46
KWM46+50N 02+75E	200	<1	3	<10	36.9	1650	<0.5	15	<1	79
KWM46+50N 03+25E	700	<1	4	<10	32.7	792	<0.5	20	<1	69
KWM46+50N 03+50E	260	<1	2	<10	33.8	2840	<0.5	12	1	51
KWM46+50N 03+75E	380	1	3	<10	45.4	3320	<0.5	20	2	72
KWM46+50N 04+00E	490	<1	4	<10	45.3	2230	<0.5	40	2	125
KWM46+50N 04+25E	380	<1	7	<10	71.5	1960	<0.5	21	1	146
KWM46+50N 04+50E	400	<1	7	<10	61.1	1330	<0.5	22	1	132
KWM46+50N 04+75E	1930	<1	6	<10	36.6	9	<0.5	432	<1	285
KWM46+50N 05+00E	1520	<1	3	<10	36.5	21	<0.5	151	<1	82
KWM45+00N 03+25E	1900	<1	4	<10	41.5	11	<0.5	52	<1	123

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM45+00N 03+50E	830	<1	21	<10	76.6	297	<0.5	63	<1	727
KWM45+00N 03+75E	250	<1	4	<10	64.3	1670	<0.5	17	2	90
KWM45+00N 04+00E	450	<1	8	<10	88.1	1460	<0.5	25	1	180
KWM45+00N 04+25E	590	<1	13	<10	79.3	889	<0.5	24	1	301
KWM45+00N 04+50E	530	<1	3	<10	44.6	1710	<0.5	14	1	76
KWM45+00N 04+75E	510	<1	6	<10	55.6	1480	<0.5	23	1	144
KWM45+00N 05+00E	1500	<1	12	<10	61.9	44	<0.5	170	<1	379
KWM44+50N 03+00E	1990	<1	2	<10	4.9	14	<0.5	181	<1	93
KWM44+50N 03+25E	1850	<1	1	<10	13.9	9	<0.5	66	<1	51
KWM44+50N 04+00E	950	<1	28	<10	184	235	<0.5	86	1	804
KWM44+50N 04+25E	1030	<1	13	<10	61.3	36	<0.5	121	<1	356
KWM44+50N 04+50E	620	<1	12	<10	95.2	1130	<0.5	37	1	249
KWM44+50N 04+75E	770	<1	3	<10	36.9	968	<0.5	20	1	84
KWM44+00N 00+00W	1510	<1	11	<10	42.4	146	<0.5	48	<1	437
KWM44+00N 00+25W	1550	<1	2	<10	52.8	26	<0.5	33	<1	71
KWM44+00N 00+75W	1910	<1	6	<10	51.8	16	<0.5	41	<1	150
KWM44+00N 01+25W	1840	<1	2	<10	24.3	15	<0.5	41	<1	63
KWM44+00N 01+50W	2020	<1	4	<10	14.3	21	<0.5	59	<1	184
KWM44+00N 01+75W	2510	<1	2	<10	15.4	13	<0.5	61	<1	73
KWM44+00N 02+00W	1450	<1	5	<10	13.9	64	<0.5	29	<1	410
KWM44+00N 02+25W	690	<1	1	<10	21.1	592	<0.5	27	<1	63
KWM44+00N 02+50W	810	<1	6	<10	57.2	141	<0.5	84	<1	180
KWM44+50N 01+50W	2870	<1	2	<10	27.6	7	<0.5	119	<1	89
*Rep KWM47+50N 07+00E	1590	<1	3	<10	18.0	936	<0.5	8	<1	95
*Rep KWM47+00N 04+00W	1280	<1	4	<10	40.0	261	<0.5	8	<1	111
*Rep KWM47+00N 02+50E	1380	<1	5	<10	38.2	145	<0.5	40	<1	125
*Rep KWM47+00N 06+50E	560	<1	2	<10	24.6	786	<0.5	10	<1	46
*Rep KWM46+50N 01+50W	1740	<1	3	<10	33.3	23	<0.5	39	<1	106
*Rep KWM46+50N 03+50W	780	<1	13	<10	82.0	624	<0.5	31	1	326
*Rep KWM46+50N 04+00E	400	<1	3	<10	43.2	2130	<0.5	17	2	68
*Rep KWM44+00N 01+50W	2110	<1	4	<10	17.1	22	<0.5	60	<1	163
*Rep KWM44+00N 01+75W	2330	<1	2	<10	16.5	18	<0.5	55	<1	63
*Std MMISRM16	430	<1	<1	<10	25.3	4	<0.5	57	<1	11
*Std AMIS0189	100	<1	8	<10	101	522	<0.5	34	2	156
*Std MMISRM18	1150	<1	<1	<10	19.3	6	<0.5	29	<1	20
*Blk BLANK	<10	<1	<1	<10	0.9	6	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11864 Order: Terralogic Exploration/Shipment#KW10-001

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM47+50N 04+25E	13	2490	53
KWM47+50N 04+50E	43	2470	54
KWM47+50N 04+75E	13	1790	52
KWM47+50N 05+50E	12	810	134
KWM47+50N 05+75E	15	1030	66
KWM47+50N 06+00E	15	1290	112
KWM47+50N 06+25E	6	580	211
KWM47+50N 06+50E	7	620	222
KWM47+50N 06+75E	4	890	231
KWM47+50N 07+00E	7	640	125
KWM47+50N 07+25E	4	400	214
KWM47+50N 07+50E	3	590	134
KWM47+50N 07+75E	3	190	113
KWM47+50N 08+00E	3	190	141
KWM47+50N 08+25E	6	550	196
KWM47+50N 08+50E	5	630	190
KWM47+00N 01+50W	19	1610	41
KWM47+00N 01+75W	4	240	99
KWM47+00N 02+00W	6	370	20
KWM47+00N 02+25W	5	200	26
KWM47+00N 02+75W	15	630	159
KWM47+00N 03+00W	7	320	111
KWM47+00N 03+25W	31	1670	273
KWM47+00N 03+50W	47	280	65
KWM47+00N 03+75W	8	110	48
KWM47+00N 04+00W	8	170	103
KWM47+00N 04+25W	3	60	71
KWM47+00N 04+75W	31	820	202
KWM47+00N 01+00E	2	330	13
KWM47+00N 01+25E	6	80	24
KWM47+00N 01+50E	1	210	8
KWM47+00N 02+00E	5	570	247
KWM47+00N 02+25E	6	1260	202
KWM47+00N 02+50E	7	450	66
KWM47+00N 02+75E	8	510	197
KWM47+00N 03+25E	6	810	16
KWM47+00N 03+50E	57	1390	145
KWM47+00N 03+75E	10	750	247
KWM47+00N 04+00E	30	790	54
KWM47+00N 04+25E	50	3800	110
KWM47+00N 04+50E	7	350	36
KWM47+00N 04+75E	2	1320	15
KWM47+00N 05+50E	4	740	19

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM47+00N 05+75E	8	1150	58
KWM47+00N 06+00E	5	590	28
KWM47+00N 06+25E	4	230	26
KWM47+00N 06+50E	3	1390	119
KWM47+00N 06+75E	3	900	286
KWM47+00N 07+00E	5	800	218
KWM47+00N 07+75E	5	60	20
KWM47+00N 08+00E	3	90	107
KWM47+00N 08+25E	4	340	235
KWM47+00N 08+50E	4	760	224
KWM46+50N 00+00W	26	670	74
KWM46+50N 00+25W	53	1460	194
KWM46+50N 00+50W	21	840	69
KWM46+50N 00+75W	13	700	96
KWM46+50N 01+00W	28	720	117
KWM46+50N 01+25W	32	540	101
KWM46+50N 01+50W	7	630	34
KWM46+50N 01+75W	36	1320	154
KWM46+50N 02+00W	6	730	156
KWM46+50N 02+75W	I.S.	I.S.	I.S.
KWM46+50N 03+00W	8	360	137
KWM46+50N 03+25W	4	190	47
KWM46+50N 03+50W	23	900	137
KWM46+50N 03+75W	3	250	230
KWM46+50N 04+00W	5	340	56
KWM46+50N 04+25W	15	400	204
KWM46+50N 04+50W	7	140	9
KWM46+50N 00+25E	33	1070	70
KWM46+50N 00+75E	40	1120	104
KWM46+50N 01+00E	8	1010	36
KWM46+50N 01+25E	11	860	51
KWM46+50N 02+25E	17	690	94
KWM46+50N 02+50E	3	790	73
KWM46+50N 02+75E	5	340	250
KWM46+50N 03+25E	5	800	109
KWM46+50N 03+50E	4	250	312
KWM46+50N 03+75E	5	1210	214
KWM46+50N 04+00E	9	530	244
KWM46+50N 04+25E	10	710	269
KWM46+50N 04+50E	9	660	214
KWM46+50N 04+75E	20	910	33
KWM46+50N 05+00E	5	120	34
KWM45+00N 03+25E	8	620	39

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11364. Order: Terralogic Exploration/Shipment#KW19-001

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
KWM45+00N 03+50E	50	1220	155
KWM45+00N 03+75E	6	540	219
KWM45+00N 04+00E	12	670	286
KWM45+00N 04+25E	18	590	182
KWM45+00N 04+50E	6	560	166
KWM45+00N 04+75E	10	940	201
KWM45+00N 05+00E	26	1450	67
KWM44+50N 03+00E	7	670	16
KWM44+50N 03+25E	4	510	23
KWM44+50N 04+00E	57	1200	249
KWM44+50N 04+25E	19	210	51
KWM44+50N 04+50E	17	1550	234
KWM44+50N 04+75E	7	610	187
KWM44+00N 00+00W	26	1010	63
KWM44+00N 00+25W	6	1330	57
KWM44+00N 00+75W	10	250	63
KWM44+00N 01+25W	6	2180	24
KWM44+00N 01+50W	11	1810	30
KWM44+00N 01+75W	4	260	12
KWM44+00N 02+00W	52	2020	31
KWM44+00N 02+25W	6	920	85
KWM44+00N 02+50W	12	1560	80
KWM44+50N 01+50W	6	420	16
*Rep KWM47+50N 07+00E	7	720	138
*Rep KWM47+00N 04+00W	9	180	105
*Rep KWM47+00N 02+50E	7	450	64
*Rep KWM47+00N 06+50E	4	1470	134
*Rep KWM46+50N 01+50W	7	670	32
*Rep KWM46+50N 03+50W	24	960	142
*Rep KWM46+50N 04+00E	7	530	228
*Rep KWM44+00N 01+50W	11	1760	34
*Rep KWM44+00N 01+75W	3	190	15
*Std MMISRM16	<1	230	20
*Std AMIS0169	13	270	69
*Std MMISRM18	<1	700	28
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO113315

Date: Jan 11, 2011

To: **Aaron Higgs**
TerraLogic Exploration Inc.
44-12th Avenue South,
Suite 200,
CRANBROOK
BC V1C 2R7

P.O. No.	:	Shipment#: KW10-003
Project No.	:	-
No. Of Samples	:	49
Date Submitted	:	Dec 14, 2010
Report Comprises	:	Pages 1 to 13 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM35+00N 05+00E	40	24	<10	<0.1	8440	<1	580	91	72	61
KWM35+00N 05+25E	80	7	<10	0.1	4830	<1	470	78	23	83
KWM35+00N 05+50E	81	30	<10	0.1	6930	<1	470	66	125	72
KWM35+00N 05+75E	17	37	<10	<0.1	7830	<1	450	34	71	8
KWM35+00N 06+00E	7	65	<10	<0.1	1790	<1	470	39	29	41
KWM35+00N 06+75E	16	38	<10	<0.1	1680	<1	420	22	31	12
KWM35+00N 07+00E	40	48	10	0.3	4940	<1	410	32	165	9
KWM35+00N 07+75E	23	81	40	0.1	3520	<1	290	26	951	151
KWM35+00N 08+25E	14	213	70	<0.1	1740	2	40	4	152	63
KWM35+00N 08+50E	58	56	<10	<0.1	5320	<1	460	16	27	10
KWM35+00N 08+75E	32	>300	30	0.1	4260	1	20	23	188	207
KWM35+00N 09+00E	9	298	<10	<0.1	1240	<1	10	14	234	34
KWM35+00N 09+50E	30	111	<10	0.3	5360	<1	430	54	161	225
KWM35+00N 09+75E	35	37	20	0.3	6910	<1	370	28	271	18
KWM35+00N 10+00E	30	56	10	0.3	6610	<1	380	24	248	87
KWM35+00N 10+25E	37	41	<10	0.2	7960	<1	390	19	169	49
KWM35+00N 10+50E	19	171	10	0.2	7450	<1	240	20	261	123
KWM35+00N 11+00E	34	124	20	0.2	6900	<1	220	9	270	41
KWM35+00N 11+25E	16	134	40	0.1	6480	<1	230	46	274	115
KWM35+00N 11+50E	13	>300	30	<0.1	3010	1	30	12	112	102
KWM35+00N 11+75E	84	167	50	0.4	5860	2	190	95	1020	119
KWM35+00N 13+25E	9	91	30	0.1	3000	<1	260	12	140	9
KWM35+00N 13+50E	19	121	<10	0.2	4560	<1	270	67	121	112
KWM36+00N 03+00E	50	9	10	0.3	4350	<1	810	58	46	76
KWM36+00N 03+25E	38	59	<10	0.2	5950	<1	550	62	92	19
KWM36+00N 03+75E	74	18	<10	<0.1	7360	<1	670	111	29	125
KWM36+00N 04+00E	77	16	<10	0.3	6210	<1	420	37	49	32
KWM36+00N 04+25E	14	101	<10	<0.1	2130	<1	390	25	127	10
KWM36+00N 04+50E	39	47	<10	0.2	4490	<1	680	51	112	11
KWM36+00N 06+00E	20	65	30	<0.1	9980	<1	300	53	200	25
KWM36+00N 06+25E	6	278	40	<0.1	6720	1	70	17	163	77
KWM36+00N 06+50E	24	143	20	<0.1	3230	<1	290	23	55	26
KWM36+00N 07+25E	15	220	50	0.1	8230	2	130	12	493	188
KWM36+00N 07+50E	25	>300	40	<0.1	5400	2	20	38	299	277
KWM36+00N 07+75E	34	100	80	0.2	12700	1	230	12	306	261
KWM36+00N 08+00E	9	95	10	<0.1	4890	<1	300	4	149	27
KWM36+00N 09+50E	17	85	<10	0.1	2120	<1	480	44	89	9
KWM36+00N 10+25E	21	69	10	0.2	2790	<1	400	138	132	205
KWM36+00N 11+25E	25	20	40	0.2	6900	<1	240	29	233	25
KWM36+00N 12+00E	25	86	20	0.3	5760	<1	310	85	380	381
KWM36+00N 12+25E	22	45	30	0.2	4810	<1	300	28	228	20
KWM36+00N 12+75E	17	122	<10	0.3	8500	<1	380	54	106	29
KWM36+00N 13+00E	59	97	<10	0.2	10800	<1	420	11	140	28

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order: Shipment#: KW10-003

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM36+00N 13+25E	15	72	50	0.2	6940	1	260	22	402	271
KWM36+00N 13+50E	14	145	20	0.2	5560	1	170	29	132	280
KWM36+00N 13+75E	14	129	20	0.3	6840	1	230	10	370	267
KWM36+00N 14+00E	6	129	20	0.2	4490	1	120	26	68	626
KWM36+00N 14+25E	19	115	30	0.3	5550	2	200	35	249	267
KWM36+00N 14+50E	22	100	<10	0.2	4670	<1	250	66	93	88
*Rep KWM35+00N 09+00E	9	300	<10	<0.1	1260	<1	10	12	258	30
*Rep KWM35+00N 10+00E	26	42	20	0.1	6320	<1	320	16	170	51
*Rep KWM36+00N 07+25E	14	214	50	0.2	8450	2	150	14	559	237
*Rep KWM36+00N 13+75E	15	138	20	0.4	7620	<1	230	16	289	232
*Std MMISRM16	20	41	10	26.1	80	<1	250	4	19	55
*Std AMIS0169	9	69	10	0.3	910	<1	40	2	830	108
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM35+00N 05+00E	<100	<0.5	980	36	14.5	11.1	8	<1	50	<1
KWM35+00N 05+25E	<100	1.1	1730	7	3.8	2.4	6	<1	9	<1
KWM35+00N 05+50E	<100	1.0	1170	31	13.8	11.2	20	1	44	<1
KWM35+00N 05+75E	<100	3.7	430	16	5.5	6.1	14	<1	23	<1
KWM35+00N 06+00E	<100	1.0	470	7	3.6	1.9	41	1	7	<1
KWM35+00N 06+75E	<100	1.1	380	6	2.5	2.0	22	1	7	<1
KWM35+00N 07+00E	<100	0.7	1190	44	19.7	13.5	36	3	52	<1
KWM35+00N 07+75E	<100	0.8	1510	124	58.3	37.8	108	7	153	<1
KWM35+00N 08+25E	100	1.1	160	14	6.1	4.2	137	17	17	<1
KWM35+00N 08+50E	<100	1.0	370	8	2.9	3.7	17	2	13	<1
KWM35+00N 08+75E	<100	1.8	310	19	7.6	5.8	124	10	21	<1
KWM35+00N 09+00E	<100	2.7	470	21	8.3	6.9	81	11	24	<1
KWM35+00N 09+50E	<100	<0.5	1030	28	13.8	7.1	72	3	29	<1
KWM35+00N 09+75E	<100	0.7	950	45	18.0	14.4	38	3	58	<1
KWM35+00N 10+00E	<100	1.0	1130	23	9.5	7.7	60	3	31	<1
KWM35+00N 10+25E	<100	1.2	1000	19	7.6	7.9	22	2	31	<1
KWM35+00N 10+50E	<100	1.1	430	57	26.1	14.8	90	6	65	<1
KWM35+00N 11+00E	<100	5.7	410	47	16.3	15.5	62	5	63	<1
KWM35+00N 11+25E	<100	2.9	490	46	21.2	13.8	109	8	58	<1
KWM35+00N 11+50E	100	4.7	310	10	5.1	3.5	199	12	12	<1
KWM35+00N 11+75E	<100	3.6	2400	233	106	63.0	109	10	272	<1
KWM35+00N 13+25E	<100	2.3	590	14	5.8	4.4	56	4	16	<1
KWM35+00N 13+50E	<100	0.6	1720	61	33.8	10.4	126	2	49	<1
KWM36+00N 03+00E	<100	0.6	1250	16	6.5	5.1	7	<1	22	<1
KWM36+00N 03+25E	<100	<0.5	1370	26	13.4	7.8	46	1	31	<1
KWM36+00N 03+75E	<100	1.3	1520	13	7.2	3.5	9	1	14	<1
KWM36+00N 04+00E	<100	1.3	520	22	9.8	8.4	12	<1	31	<1
KWM36+00N 04+25E	<100	1.1	240	29	14.2	7.7	47	2	33	<1
KWM36+00N 04+50E	<100	0.8	1900	49	23.6	14.0	60	2	61	<1
KWM36+00N 06+00E	<100	8.1	560	19	7.8	6.6	35	3	25	<1
KWM36+00N 06+25E	<100	3.2	190	12	4.7	5.1	175	10	16	<1
KWM36+00N 06+50E	<100	2.3	220	8	3.6	2.6	76	6	10	<1
KWM36+00N 07+25E	<100	2.1	450	54	22.2	17.3	161	9	67	<1
KWM36+00N 07+50E	<100	2.1	210	37	14.6	11.1	151	11	50	<1
KWM36+00N 07+75E	<100	1.2	470	40	16.2	13.1	121	7	55	<1
KWM36+00N 08+00E	<100	1.7	260	16	6.7	5.6	48	4	21	<1
KWM36+00N 09+50E	<100	1.3	1080	28	15.6	6.0	87	1	26	<1
KWM36+00N 10+25E	<100	0.8	5190	34	19.4	8.0	160	3	34	<1
KWM36+00N 11+25E	<100	0.7	1580	45	21.2	13.9	57	3	56	1
KWM36+00N 12+00E	<100	0.8	5080	81	42.5	20.0	142	4	83	<1
KWM36+00N 12+25E	<100	0.9	1110	35	15.0	9.8	66	3	39	<1
KWM36+00N 12+75E	<100	<0.5	1990	92	54.3	13.1	150	1	81	<1
KWM36+00N 13+00E	<100	<0.5	1690	128	73.5	18.1	121	2	92	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113315 Order: Shipment#: KW10-003

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM36+00N 13+25E	<100	0.7	1860	50	23.5	14.1	113	6	55	<1
KWM36+00N 13+50E	<100	0.6	2190	57	30.0	9.5	241	4	44	<1
KWM36+00N 13+75E	<100	0.5	2000	76	36.9	18.1	165	5	76	<1
KWM36+00N 14+00E	<100	0.7	2610	23	14.2	4.7	340	4	19	<1
KWM36+00N 14+25E	<100	0.7	2920	88	45.4	17.7	251	4	80	<1
KWM36+00N 14+50E	<100	0.6	1960	41	22.3	7.5	181	3	35	<1
*Rep KWM35+00N 08+00E	<100	2.8	440	20	7.8	7.2	83	13	25	<1
*Rep KWM35+00N 10+00E	<100	1.2	820	15	5.8	5.5	44	3	21	<1
*Rep KWM36+00N 07+25E	<100	2.1	540	69	28.7	21.4	167	9	87	<1
*Rep KWM36+00N 13+75E	<100	0.5	2230	85	43.1	18.3	133	4	81	<1
*Std MMISRM16	<100	11.8	680	2	1.0	1.1	2	<1	4	11
*Std AMIS0169	100	8.0	4210	32	13.9	12.4	47	15	47	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM35+00N 05+00E	<0.5	21.3	29	22	40	4700	<5	<0.5	80	653
KWM35+00N 05+25E	<0.5	16.0	3	27	24	9520	12	<0.5	11	397
KWM35+00N 05+50E	<0.5	18.8	55	12	20	4580	6	<0.5	109	614
KWM35+00N 05+75E	<0.5	19.7	27	<5	30	400	<5	<0.5	55	188
KWM35+00N 06+00E	<0.5	8.8	14	15	32	9240	<5	<0.5	23	442
KWM35+00N 06+75E	<0.5	8.5	13	5	25	1300	<5	<0.5	23	190
KWM35+00N 07+00E	<0.5	10.0	108	10	28	530	<5	<0.5	160	316
KWM35+00N 07+75E	<0.5	4.3	442	<5	14	9800	<5	0.6	597	524
KWM35+00N 08+25E	<0.5	9.6	64	<5	2	2370	<5	3.0	71	47
KWM35+00N 08+50E	<0.5	5.7	26	<5	15	410	<5	<0.5	42	62
KWM35+00N 08+75E	<0.5	11.8	84	<5	1	3740	<5	2.4	89	76
KWM35+00N 09+00E	<0.5	10.2	102	<5	1	260	<5	2.1	132	33
KWM35+00N 09+50E	<0.5	6.9	51	6	27	23900	<5	<0.5	87	487
KWM35+00N 09+75E	<0.5	5.0	104	<5	24	1080	<5	<0.5	182	137
KWM35+00N 10+00E	<0.5	7.7	61	<5	28	2880	<5	0.6	106	278
KWM35+00N 10+25E	<0.5	12.7	52	<5	20	3990	<5	<0.5	95	205
KWM35+00N 10+50E	<0.5	13.8	112	<5	15	6130	<5	1.0	187	270
KWM35+00N 11+00E	<0.5	19.3	148	<5	15	2130	<5	1.5	211	108
KWM35+00N 11+25E	<0.5	12.9	101	<5	17	5770	<5	1.8	175	309
KWM35+00N 11+50E	<0.5	16.1	54	6	6	4010	<5	4.0	53	101
KWM35+00N 11+75E	<0.5	8.3	412	<5	12	5410	<5	0.9	806	1350
KWM35+00N 13+25E	<0.5	8.4	50	<5	18	610	<5	1.3	66	142
KWM35+00N 13+50E	<0.5	4.6	40	<5	11	10300	<5	<0.5	92	910
KWM36+00N 03+00E	<0.5	83.4	16	66	77	3110	<5	<0.5	42	848
KWM36+00N 03+25E	<0.5	13.6	48	23	40	1270	<5	<0.5	86	1220
KWM36+00N 03+75E	<0.5	16.3	11	16	56	7600	10	<0.5	23	601
KWM36+00N 04+00E	<0.5	11.6	41	<5	20	1350	<5	<0.5	79	243
KWM36+00N 04+25E	<0.5	9.8	38	26	23	1640	<5	<0.5	82	299
KWM36+00N 04+50E	<0.5	7.2	87	21	33	90	<5	<0.5	144	705
KWM36+00N 06+00E	<0.5	23.0	41	5	21	1930	<5	<0.5	79	305
KWM36+00N 06+25E	<0.5	12.6	74	<5	3	5210	<5	2.5	83	54
KWM36+00N 06+50E	<0.5	8.7	23	<5	14	2960	<5	1.4	35	59
KWM36+00N 07+25E	<0.5	13.6	239	<5	6	11000	<5	2.0	289	103
KWM36+00N 07+50E	<0.5	13.9	124	<5	3	7540	<5	3.3	184	98
KWM36+00N 07+75E	<0.5	8.8	114	<5	18	13200	5	1.8	175	234
KWM36+00N 08+00E	<0.5	8.1	42	<5	20	1220	<5	0.6	76	125
KWM36+00N 09+50E	<0.5	9.2	33	<5	34	540	<5	<0.5	60	675
KWM36+00N 10+25E	<0.5	5.1	57	<5	22	12600	13	0.7	97	1500
KWM36+00N 11+25E	<0.5	6.7	93	<5	17	1640	10	<0.5	165	395
KWM36+00N 12+00E	<0.5	6.4	139	<5	19	12100	8	0.6	248	1530
KWM36+00N 12+25E	<0.5	9.5	78	<5	19	1790	6	<0.5	126	297
KWM36+00N 12+75E	<0.5	5.4	41	<5	31	2400	<5	<0.5	98	1880
KWM36+00N 13+00E	<0.5	4.8	50	<5	27	2610	<5	<0.5	142	1010

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteretion, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1113315 Order: Shipment#: KW10-003

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM36+00N 13+25E	<0.5	5.6	143	<5	14	20200	8	0.8	201	418
KWM36+00N 13+50E	<0.5	6.5	47	<5	14	14700	<5	0.7	94	736
KWM36+00N 13+75E	<0.5	12.1	138	<5	19	18500	5	1.0	237	558
KWM36+00N 14+00E	<0.5	11.0	32	<5	11	45300	8	1.8	55	749
KWM36+00N 14+25E	0.5	8.0	90	<5	17	12800	7	0.9	185	945
KWM36+00N 14+50E	<0.5	10.8	36	<5	16	19900	<5	0.7	70	835
*Rep KWM35+00N 09+00E	<0.5	10.8	114	<5	1	290	<5	2.3	140	31
*Rep KWM35+00N 10+00E	<0.5	6.5	40	<5	21	1650	<5	0.9	71	192
*Rep KWM36+00N 07+25E	<0.5	14.7	274	<5	7	14000	<5	2.0	330	115
*Rep KWM36+00N 13+75E	<0.5	12.9	111	<5	20	21100	<5	<0.5	208	777
*Std MMISRM16	<0.5	39.4	4	<5	38	120	46	<0.5	16	226
*Std AMIS0169	<0.5	48.2	461	<5	36	4490	<5	3.2	412	453
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	20	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM35+00N 05+00E	0.5	100	<1	14	<1	12	<1	10	31	<1
KWM35+00N 05+25E	0.1	60	<1	2	<1	30	<1	8	5	<1
KWM35+00N 05+50E	0.3	80	<1	21	<1	26	2	15	33	<1
KWM35+00N 05+75E	0.4	130	<1	11	<1	127	<1	7	18	<1
KWM35+00N 06+00E	0.2	50	<1	5	<1	92	<1	9	6	<1
KWM35+00N 06+75E	0.6	30	<1	5	<1	85	<1	<5	6	<1
KWM35+00N 07+00E	0.3	90	<1	34	<1	39	2	19	41	<1
KWM35+00N 07+75E	1.3	380	<1	136	<1	45	4	77	140	<1
KWM35+00N 08+25E	4.3	540	<1	17	<1	103	4	20	16	<1
KWM35+00N 08+50E	0.3	110	<1	8	<1	87	<1	5	11	<1
KWM35+00N 08+75E	3.3	950	<1	22	<1	161	2	26	21	<1
KWM35+00N 09+00E	1.1	1040	<1	30	<1	161	<1	22	27	<1
KWM35+00N 09+50E	0.3	260	<1	19	<1	48	1	39	23	<1
KWM35+00N 09+75E	0.5	220	<1	38	<1	27	3	21	50	<1
KWM35+00N 10+00E	0.6	390	<1	23	<1	58	3	16	28	<1
KWM35+00N 10+25E	0.4	70	<1	19	<1	52	<1	9	26	<1
KWM35+00N 10+50E	1.7	500	<1	39	<1	81	2	38	52	<1
KWM35+00N 11+00E	0.8	430	<1	48	<1	179	2	29	58	<1
KWM35+00N 11+25E	2.3	500	<1	37	<1	111	4	38	48	<1
KWM35+00N 11+50E	3.4	1010	<1	13	<1	161	4	24	12	<1
KWM35+00N 11+75E	2.0	1260	<1	168	<1	94	7	180	222	<1
KWM35+00N 13+25E	1.2	170	<1	15	<1	107	3	13	15	<1
KWM35+00N 13+50E	0.5	360	<1	18	<1	48	3	68	31	<1
KWM36+00N 03+00E	0.8	80	<1	8	<1	39	1	11	15	<1
KWM36+00N 03+25E	0.2	130	<1	17	<1	10	<1	19	24	<1
KWM36+00N 03+75E	0.1	100	<1	4	<1	35	1	15	8	<1
KWM36+00N 04+00E	0.2	50	<1	15	<1	24	1	18	25	<1
KWM36+00N 04+25E	0.3	240	<1	16	<1	42	<1	17	25	<1
KWM36+00N 04+50E	0.1	570	<1	30	<1	47	<1	30	42	<1
KWM36+00N 06+00E	0.8	200	<1	16	<1	146	3	11	22	<1
KWM36+00N 06+25E	4.2	720	<1	20	<1	217	4	23	17	<1
KWM36+00N 06+50E	1.2	580	<1	7	<1	174	2	15	9	<1
KWM36+00N 07+25E	2.3	790	<1	66	<1	151	5	41	66	<1
KWM36+00N 07+50E	2.7	1250	<1	39	<1	176	3	31	45	<1
KWM36+00N 07+75E	1.9	620	<1	37	<1	98	6	35	49	<1
KWM36+00N 08+00E	1.5	190	<1	16	<1	113	2	12	19	<1
KWM36+00N 09+50E	0.3	260	<1	13	<1	31	<1	46	18	<1
KWM36+00N 10+25E	0.4	410	<1	22	<1	40	7	67	26	<1
KWM36+00N 11+25E	0.5	130	<1	33	<1	21	6	25	46	<1
KWM36+00N 12+00E	0.7	620	<1	53	<1	48	8	110	66	<1
KWM36+00N 12+25E	0.8	120	<1	27	<1	32	5	20	33	<1
KWM36+00N 12+75E	0.2	410	<1	18	<1	18	<1	75	35	<1
KWM36+00N 13+00E	0.1	340	<1	25	<1	20	1	109	54	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1113315 Order: Shipment#: KW19-003

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM36+00N 13+25E	1.2	300	<1	46	<1	36	8	50	50	<1
KWM36+00N 13+50E	1.5	670	<1	19	<1	47	3	69	30	<1
KWM36+00N 13+75E	2.3	510	<1	52	<1	44	5	84	63	<1
KWM36+00N 14+00E	2.4	160	<1	12	<1	52	5	53	15	<1
KWM36+00N 14+25E	1.5	690	<1	37	<1	45	6	127	58	<1
KWM36+00N 14+50E	0.8	310	<1	14	<1	48	4	62	23	<1
*Rep KWM35+00N 09+00E	1.3	1030	<1	33	<1	167	<1	22	28	<1
*Rep KWM35+00N 10+00E	0.8	240	<1	15	<1	57	2	11	19	<1
*Rep KWM36+00N 07+25E	2.1	830	<1	79	<1	147	5	47	77	<1
*Rep KWM36+00N 13+75E	1.5	480	<1	43	<1	48	4	92	62	<1
*Std MMISRM16	0.3	90	26	3	<1	333	<1	8	5	<1
*Std AMIS0169	2.8	120	<1	108	<1	256	<1	63	67	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM35+00N 05+00E	2310	<1	7	<10	34.5	15	<0.5	59	<1	186
KWM35+00N 05+25E	1740	<1	1	<10	7.4	17	<0.5	11	<1	45
KWM35+00N 05+50E	1540	<1	6	<10	40.5	16	<0.5	21	<1	179
KWM35+00N 05+75E	1720	<1	3	<10	29.8	14	0.6	16	<1	68
KWM35+00N 06+00E	2110	<1	1	<10	4.3	16	<0.5	39	<1	47
KWM35+00N 06+75E	1730	<1	1	<10	14.7	15	<0.5	23	<1	28
KWM35+00N 07+00E	1580	<1	8	<10	34.5	49	<0.5	21	<1	250
KWM35+00N 07+75E	820	<1	24	<10	80.3	112	<0.5	57	<1	687
KWM35+00N 08+25E	190	<1	3	<10	35.5	637	0.6	8	<1	69
KWM35+00N 08+50E	1170	<1	2	<10	11.4	48	<0.5	7	<1	36
KWM35+00N 08+75E	140	<1	4	<10	53.8	512	<0.5	11	<1	81
KWM35+00N 09+00E	140	<1	4	<10	25.0	423	<0.5	11	<1	97
KWM35+00N 09+50E	1710	<1	5	<10	23.1	23	<0.5	44	<1	155
KWM35+00N 09+75E	1470	<1	9	<10	67.7	71	<0.5	28	<1	218
KWM35+00N 10+00E	1400	<1	5	<10	45.6	126	<0.5	31	<1	108
KWM35+00N 10+25E	1630	<1	4	<10	27.3	57	<0.5	32	<1	95
KWM35+00N 10+50E	880	<1	10	<10	31.4	263	<0.5	15	<1	317
KWM35+00N 11+00E	730	<1	10	<10	38.8	347	0.9	18	<1	195
KWM35+00N 11+25E	900	<1	9	<10	52.9	473	0.6	16	<1	244
KWM35+00N 11+50E	350	<1	2	<10	49.6	668	<0.5	11	<1	46
KWM35+00N 11+75E	560	<1	43	<10	148	239	0.8	59	1	1230
KWM35+00N 13+25E	860	<1	3	<10	34.4	175	0.6	11	<1	64
KWM35+00N 13+50E	1150	<1	9	<10	27.2	70	<0.5	60	<1	370
KWM36+00N 03+00E	3120	<1	3	<10	19.0	24	<0.5	30	<1	83
KWM36+00N 03+25E	2560	<1	5	<10	19.5	7	<0.5	59	<1	171
KWM36+00N 03+75E	2920	<1	2	<10	7.7	55	<0.5	29	<1	74
KWM36+00N 04+00E	1380	<1	4	<10	17.8	25	<0.5	18	<1	123
KWM36+00N 04+25E	1120	<1	5	<10	12.2	28	<0.5	56	<1	176
KWM36+00N 04+50E	2270	<1	9	<10	25.6	7	<0.5	109	<1	297
KWM36+00N 06+00E	1500	<1	4	<10	38.6	73	0.6	28	<1	85
KWM36+00N 06+25E	490	<1	2	<10	33.4	465	0.5	8	<1	55
KWM36+00N 06+50E	610	<1	2	<10	19.9	381	<0.5	6	<1	36
KWM36+00N 07+25E	590	<1	11	<10	75.5	516	0.8	17	<1	257
KWM36+00N 07+50E	250	<1	7	<10	51.6	817	<0.5	14	<1	169
KWM36+00N 07+75E	1520	<1	8	<10	51.8	460	<0.5	16	<1	174
KWM36+00N 08+00E	1560	<1	3	<10	26.2	119	<0.5	7	<1	81
KWM36+00N 09+50E	2200	<1	5	<10	22.2	29	<0.5	139	<1	183
KWM36+00N 10+25E	2000	<1	6	<10	28.0	98	<0.5	228	<1	223
KWM36+00N 11+25E	1060	<1	9	<10	66.0	64	<0.5	18	<1	249
KWM36+00N 12+00E	1080	<1	14	<10	78.8	76	<0.5	50	<1	468
KWM36+00N 12+25E	1220	<1	6	<10	64.7	77	<0.5	16	<1	156
KWM36+00N 12+75E	1960	<1	13	<10	25.4	14	<0.5	171	<1	624
KWM36+00N 13+00E	2170	<1	18	<10	28.8	10	<0.5	74	<1	812

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113315 Order: Shipment#: KW10-003

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM36+00N 13+25E	990	<1	9	<10	78.8	202	<0.5	34	<1	249
KWM36+00N 13+50E	920	<1	9	<10	50.5	120	<0.5	33	<1	301
KWM36+00N 13+75E	780	<1	13	<10	71.5	177	<0.5	45	<1	410
KWM36+00N 14+00E	760	<1	4	<10	43.0	270	<0.5	28	<1	133
KWM36+00N 14+25E	800	<1	15	<10	77.9	158	<0.5	49	<1	471
KWM36+00N 14+50E	1140	<1	6	<10	28.5	101	<0.5	41	<1	239
*Rep KWM35+00N 09+00E	130	<1	4	<10	26.3	453	<0.5	11	<1	90
*Rep KWM35+00N 10+00E	1250	<1	3	<10	45.9	163	<0.5	22	<1	69
*Rep KWM36+00N 07+25E	700	<1	14	<10	83.6	465	0.7	21	<1	332
*Rep KWM36+00N 13+75E	910	<1	14	<10	61.6	122	<0.5	51	<1	475
*Std MMISRM16	530	<1	<1	<10	20.8	9	<0.5	45	<1	10
*Std AMIS0169	90	<1	7	<10	79.4	435	1.3	26	1	137
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM35+00N 05+00E	9	100	21
KWM35+00N 05+25E	2	220	12
KWM35+00N 05+50E	9	430	31
KWM35+00N 05+75E	4	120	18
KWM35+00N 06+00E	3	1310	13
KWM35+00N 06+75E	2	830	17
KWM35+00N 07+00E	13	780	49
KWM35+00N 07+75E	41	460	100
KWM35+00N 08+25E	4	140	104
KWM35+00N 08+50E	2	100	17
KWM35+00N 08+75E	5	180	143
KWM35+00N 09+00E	6	60	149
KWM35+00N 09+50E	9	850	31
KWM35+00N 09+75E	11	340	44
KWM35+00N 10+00E	7	550	42
KWM35+00N 10+25E	5	310	32
KWM35+00N 10+50E	17	370	67
KWM35+00N 11+00E	10	230	52
KWM35+00N 11+25E	14	550	89
KWM35+00N 11+50E	4	1120	211
KWM35+00N 11+75E	73	1060	205
KWM35+00N 13+25E	4	620	102
KWM35+00N 13+50E	25	960	80
KWM36+00N 03+00E	4	130	22
KWM36+00N 03+25E	10	230	23
KWM36+00N 03+75E	5	130	10
KWM36+00N 04+00E	6	180	20
KWM36+00N 04+25E	10	420	39
KWM36+00N 04+50E	17	360	21
KWM36+00N 06+00E	5	560	37
KWM36+00N 06+25E	4	460	160
KWM36+00N 06+50E	3	360	64
KWM36+00N 07+25E	14	200	128
KWM36+00N 07+50E	10	80	151
KWM36+00N 07+75E	10	270	76
KWM36+00N 08+00E	5	160	51
KWM36+00N 09+50E	12	890	38
KWM36+00N 10+25E	16	1120	50
KWM36+00N 11+25E	15	330	60
KWM36+00N 12+00E	32	2030	136
KWM36+00N 12+25E	10	510	77
KWM36+00N 12+75E	39	370	38
KWM36+00N 13+00E	51	250	42

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1133316 Order: Shipment#: KW10-003

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM36+00N 13+25E	17	580	116
KWM36+00N 13+50E	20	990	92
KWM36+00N 13+75E	25	310	139
KWM36+00N 14+00E	11	690	117
KWM36+00N 14+25E	31	1200	132
KWM36+00N 14+50E	15	780	86
*Rep KWM35+00N 09+00E	5	60	165
*Rep KWM35+00N 10+00E	4	440	40
*Rep KWM36+00N 07+25E	17	200	129
*Rep KWM36+00N 13+75E	30	270	123
*Std MMISRM16	<1	320	18
*Std AMIS0169	10	240	56
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO113317

Date: Jan 11, 2011

To: **Aaron Higgs**
TerraLogic Exploration Inc.
44-12th Avenue South,
Suite 200,
CRANBROOK
BC V1C 2R7

P.O. No.	:	-
Project No.	:	-
No. Of Samples	:	60
Date Submitted	:	Dec 14, 2010
Report Comprises	:	Pages 1 to 13 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
– = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn end / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM38+00N 06+25E	25	137	40	<0.1	11900	1	230	20	99	267
KWM38+00N 06+50E	5	74	10	<0.1	2750	<1	350	16	26	34
KWM38+00N 06+75E	1	81	<10	<0.1	3590	<1	360	29	30	17
KWM38+00N 07+00E	14	61	20	0.1	5350	<1	260	96	36	198
KWM38+00N 07+25E	39	85	40	0.2	6490	1	330	154	291	104
KWM38+00N 07+50E	34	81	60	<0.1	13300	2	320	405	327	228
KWM38+00N 07+75E	34	108	20	<0.1	10500	<1	310	135	215	54
KWM38+00N 06+00E	27	62	100	0.2	11300	3	220	73	823	517
KWM38+00N 08+25E	78	19	20	0.2	9270	<1	370	43	162	226
KWM38+00N 08+50E	64	20	40	0.2	6360	<1	350	111	329	263
KWM38+00N 08+75E	21	47	<10	0.2	3510	<1	550	81	86	83
KWM38+00N 09+25E	37	32	<10	<0.1	5520	<1	470	79	212	59
KWM38+00N 10+00E	24	39	<10	0.1	3990	<1	520	40	199	196
KWM38+00N 10+25E	65	22	40	0.3	7820	<1	330	96	149	17
KWM38+00N 10+50E	24	45	<10	0.1	3490	<1	560	141	108	90
KWM38+00N 11+75E	25	44	20	0.1	5260	<1	370	56	228	208
KWM38+00N 12+00E	48	84	<10	0.2	13600	<1	410	46	318	19
KWM39+00N 00+50E	53	11	<10	0.2	10300	<1	350	32	104	22
KWM39+00N 00+75E	15	113	50	0.3	8760	<1	190	20	452	107
KWM39+00N 01+00E	19	160	50	0.2	7490	1	120	20	240	520
KWM39+00N 01+25E	17	259	60	<0.1	6140	3	60	26	239	181
KWM39+00N 01+50E	27	151	90	0.2	11700	2	160	59	417	89
KWM39+00N 01+75E	33	186	30	0.2	5370	1	160	60	1020	202
KWM39+00N 02+00E	49	28	10	0.2	10600	<1	390	15	193	26
KWM39+00N 02+25E	8	170	40	<0.1	7810	1	150	6	416	158
KWM39+00N 02+50E	29	220	20	0.3	5190	<1	100	27	285	188
KWM39+00N 02+75E	13	181	30	<0.1	3390	1	180	18	103	111
KWM39+00N 03+00E	38	98	30	0.1	10600	<1	240	19	689	126
KWM39+00N 03+25E	23	242	40	0.1	6320	1	100	28	326	91
KWM39+00N 03+50E	17	200	70	0.1	7720	2	90	57	447	740
KWM39+00N 03+75E	90	121	40	0.2	16000	1	240	33	657	65
KWM39+00N 04+00E	97	61	<10	0.2	20000	<1	350	25	566	13
KWM39+00N 04+25E	22	227	60	0.1	6100	2	70	26	255	145
KWM39+00N 04+50E	36	260	30	<0.1	5600	1	60	142	161	462
KWM39+00N 04+75E	72	245	40	0.1	8910	1	60	47	415	128
KWM39+00N 05+00E	41	205	120	0.3	4640	2	50	28	271	272
KWM39+00N 05+25E	54	139	<10	0.1	4910	<1	330	166	420	16
KWM39+00N 05+50E	18	158	10	0.1	6380	<1	230	33	192	195
KWM39+00N 06+50E	106	133	<10	0.4	9390	<1	400	146	198	58
KWM39+00N 06+75E	4	181	30	<0.1	3890	1	160	32	56	64
KWM39+00N 07+00E	7	245	40	<0.1	4040	1	50	46	111	85
KWM39+00N 06+25E	6	61	<10	<0.1	3000	<1	410	37	46	36
KWM39+00N 06+50E	4	86	40	<0.1	3960	1	230	29	57	79

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113317 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM39+00N 08+75E	23	134	50	<0.1	4290	1	250	53	359	56
KWM39+00N 10+50E	61	130	30	0.3	13600	<1	240	75	926	27
KWM39+00N 10+75E	23	266	60	0.1	6770	1	70	50	461	164
KWM39+00N 11+00E	25	282	30	<0.1	8290	1	100	43	297	77
KWM39+00N 11+50E	44	147	<10	0.3	8580	<1	330	36	159	6
KWM39+00N 11+75E	15	170	150	<0.1	9930	2	140	56	212	56
KWM39+00N 12+00E	12	>300	20	<0.1	2620	1	<10	7	51	50
KWM39+00N 00+50W	23	80	<10	<0.1	9800	<1	410	48	102	35
KWM39+00N 00+75W	20	104	60	<0.1	7550	1	270	168	152	143
KWM39+00N 01+00W	39	101	50	0.2	4140	<1	300	94	194	135
KWM39+00N 01+25W	47	159	50	0.2	3670	<1	290	78	139	111
KWM40+00N 00+00W	10	62	<10	0.3	10300	<1	350	103	65	409
KWM40+00N 00+25W	77	26	<10	0.3	9050	<1	570	73	149	193
KWM40+00N 01+00W	33	197	100	<0.1	4090	2	170	31	219	342
KWM40+00N 01+25W	50	64	<10	0.1	3610	<1	470	45	111	9
KWM40+00N 01+50W	39	198	140	0.1	6300	3	150	135	255	259
KWM40+00N 01+75W	96	81	<10	0.5	7260	<1	380	61	367	56
*Rep KWM38+00N 07+00E	12	61	10	0.1	5360	<1	250	105	32	153
*Rep KWM39+00N 01+25E	16	250	70	<0.1	6290	2	60	26	251	273
*Rep KWM39+00N 05+25E	56	114	20	0.6	5810	<1	330	94	481	19
*Rep KWM39+00N 12+00E	10	>300	20	<0.1	3040	1	<10	6	76	46
*Rep KWM39+00N 01+25W	45	160	40	0.2	3530	<1	290	83	132	112
*Std MMISRM16	20	47	20	24.2	70	<1	240	4	20	62
*Std AMIS0169	9	65	10	0.3	940	<1	40	2	802	104
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM38+00N 06+25E	<100	0.6	520	17	7.4	5.8	181	8	21	<1
KWM38+00N 06+50E	<100	4.9	180	4	1.4	1.4	51	3	5	<1
KWM38+00N 06+75E	<100	2.3	100	3	1.4	1.3	40	3	4	<1
KWM38+00N 07+00E	<100	0.8	4670	19	10.8	3.5	345	1	14	<1
KWM38+00N 07+25E	<100	0.9	4500	117	63.4	24.4	172	3	108	<1
KWM38+00N 07+50E	100	1.0	4500	114	63.0	26.2	128	5	116	<1
KWM38+00N 07+75E	<100	0.8	3070	121	64.2	24.3	128	3	114	<1
KWM38+00N 08+00E	<100	0.7	4980	138	67.2	38.3	189	8	158	<1
KWM38+00N 08+25E	<100	<0.5	3080	49	25.1	13.8	57	2	57	<1
KWM38+00N 08+50E	<100	0.6	5930	67	36.0	20.2	74	3	84	<1
KWM38+00N 08+75E	<100	0.6	2280	16	8.0	4.6	57	2	18	<1
KWM38+00N 09+25E	<100	0.6	3290	37	18.0	10.7	56	2	44	<1
KWM38+00N 10+00E	<100	<0.5	1410	29	13.7	8.0	90	2	32	<1
KWM38+00N 10+25E	<100	0.8	2160	72	34.0	19.9	54	3	86	<1
KWM38+00N 10+50E	<100	0.8	5300	23	12.2	6.2	58	2	25	<1
KWM38+00N 11+75E	<100	0.7	4060	50	22.3	13.6	75	3	57	<1
KWM38+00N 12+00E	<100	0.6	2400	107	53.4	27.1	55	3	121	<1
KWM39+00N 00+50E	<100	0.7	1220	31	13.2	10.6	9	1	46	1
KWM39+00N 00+75E	<100	2.2	710	68	27.2	22.3	93	6	91	<1
KWM39+00N 01+00E	<100	2.6	650	35	13.7	11.4	153	8	46	<1
KWM39+00N 01+25E	<100	1.6	360	28	11.5	9.7	222	13	36	<1
KWM39+00N 01+50E	<100	1.9	460	43	15.7	15.1	153	11	58	<1
KWM39+00N 01+75E	<100	2.2	1300	146	50.2	43.1	92	14	192	<1
KWM39+00N 02+00E	<100	1.4	950	31	10.6	11.5	23	3	49	<1
KWM39+00N 02+25E	<100	2.4	330	42	16.4	16.2	114	10	62	<1
KWM39+00N 02+50E	<100	4.0	640	62	27.4	17.7	93	7	77	<1
KWM39+00N 02+75E	<100	1.5	230	13	5.2	4.4	131	16	17	<1
KWM39+00N 03+00E	<100	<0.5	790	142	62.5	42.1	55	8	186	<1
KWM39+00N 03+25E	<100	3.3	490	87	28.3	18.7	167	11	80	<1
KWM39+00N 03+50E	<100	1.8	980	72	32.6	20.1	208	13	83	<1
KWM39+00N 03+75E	<100	1.1	1490	137	63.4	38.4	71	7	167	1
KWM39+00N 04+00E	<100	1.0	3490	211	93.4	63.3	30	5	290	<1
KWM39+00N 04+25E	100	6.1	510	53	22.7	16.7	221	13	70	<1
KWM39+00N 04+50E	<100	4.4	2270	141	64.4	26.6	154	8	128	<1
KWM39+00N 04+75E	100	4.8	390	65	23.8	23.3	132	13	98	<1
KWM39+00N 05+00E	100	4.2	660	39	13.2	12.9	198	10	50	<1
KWM39+00N 05+25E	<100	1.4	1990	191	87.8	42.4	53	4	202	<1
KWM39+00N 05+50E	<100	1.6	1300	40	18.9	10.7	101	5	45	<1
KWM39+00N 06+50E	<100	2.3	4020	157	85.1	36.0	48	3	169	<1
KWM39+00N 06+75E	<100	4.1	120	6	2.5	2.1	139	8	7	<1
KWM39+00N 07+00E	100	10.9	170	11	4.5	4.3	234	13	14	<1
KWM39+00N 08+25E	<100	3.7	170	6	2.4	2.2	21	3	8	<1
KWM39+00N 08+50E	<100	8.1	180	6	2.7	2.2	83	7	8	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11133I7 Order:

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM39+00N 08+75E	<100	25.1	460	30	10.7	9.7	75	5	37	<1
KWM39+00N 10+50E	<100	1.5	2050	251	115	69.0	61	8	306	<1
KWM39+00N 10+75E	100	8.8	560	44	15.7	16.2	176	13	59	<1
KWM39+00N 11+00E	<100	4.2	380	42	16.1	13.8	144	18	54	<1
KWM39+00N 11+50E	<100	13.4	410	38	15.4	11.6	39	2	47	<1
KWM39+00N 11+75E	<100	9.4	210	32	11.8	11.8	175	12	46	<1
KWM39+00N 12+00E	<100	9.7	230	9	3.8	2.4	177	18	10	<1
KWM39+00N 00+50W	<100	1.6	380	32	14.1	9.3	48	2	39	<1
KWM39+00N 00+75W	<100	10.1	340	35	12.9	10.0	79	4	42	<1
KWM39+00N 01+00W	<100	10.6	590	35	13.6	9.5	85	4	41	<1
KWM39+00N 01+25W	<100	6.6	420	25	9.6	7.1	120	5	28	<1
KWM40+00N 00+00W	<100	0.7	4440	22	12.5	5.5	239	1	22	<1
KWM40+00N 00+25W	<100	<0.5	2460	35	15.3	12.8	29	2	53	<1
KWM40+00N 01+00W	<100	2.0	510	35	13.4	10.0	155	8	39	<1
KWM40+00N 01+25W	<100	1.2	1750	28	12.6	8.9	29	2	39	<1
KWM40+00N 01+50W	100	2.5	420	30	12.3	9.4	243	13	36	<1
KWM40+00N 01+75W	<100	3.2	2150	108	53.5	31.5	24	3	139	<1
*Rep KWM38+00N 07+00E	<100	0.7	4160	20	11.3	3.4	326	1	14	<1
*Rep KWM39+00N 01+25E	100	1.9	360	24	10.8	9.1	234	15	34	<1
*Rep KWM39+00N 05+25E	<100	1.4	1700	131	57.3	35.8	52	5	163	<1
*Rep KWM39+00N 12+00E	<100	15.3	240	9	3.7	3.0	181	18	11	<1
*Rep KWM39+00N 01+25W	<100	6.3	400	24	9.6	6.7	117	5	27	<1
*Std MMISRM16	<100	11.7	720	3	1.0	1.2	2	<1	5	14
*Std AMIS0169	<100	7.4	3920	29	12.9	11.3	44	15	44	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS

Final : TO113317 Order:

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM38+00N 06+25E	<0.5	10.4	40	<5	20	10900	6	2.3	60	237
KWM38+00N 06+50E	<0.5	20.6	8	<5	45	1410	<5	0.8	15	92
KWM38+00N 06+75E	<0.5	15.6	12	<5	57	670	<5	<0.5	16	42
KWM38+00N 07+00E	<0.5	4.6	14	<5	28	16200	17	0.9	26	1130
KWM38+00N 07+25E	<0.5	5.3	119	<5	48	7090	<5	0.5	223	2440
KWM38+00N 07+50E	<0.5	7.9	124	11	31	3440	9	0.7	238	3580
KWM38+00N 07+75E	<0.5	6.3	85	<5	36	4050	<5	<0.5	193	3100
KWM38+00N 08+00E	<0.5	5.5	313	<5	25	24900	26	1.0	494	1100
KWM38+00N 08+25E	<0.5	8.8	87	8	48	12100	13	<0.5	150	677
KWM38+00N 08+50E	<0.5	8.7	144	6	28	9590	28	<0.5	243	945
KWM38+00N 08+75E	<0.5	5.5	39	<5	27	13700	14	0.9	59	562
KWM38+00N 09+25E	<0.5	3.9	82	<5	25	2350	10	0.8	131	804
KWM38+00N 10+00E	<0.5	4.6	69	<5	51	6190	5	<0.5	102	398
KWM38+00N 10+25E	<0.5	9.7	90	7	35	1730	9	<0.5	183	704
KWM38+00N 10+50E	<0.5	11.2	47	8	29	3240	17	0.7	73	846
KWM38+00N 11+75E	<0.5	8.4	85	<5	30	5470	32	<0.5	159	753
KWM38+00N 12+00E	<0.5	6.8	131	7	43	1650	<5	<0.5	269	2080
KWM39+00N 00+50E	<0.5	7.0	33	<5	37	1100	9	<0.5	88	137
KWM39+00N 00+75E	<0.5	8.4	144	<5	15	10200	<5	1.1	269	403
KWM39+00N 01+00E	<0.5	8.0	86	<5	6	25600	6	2.2	141	123
KWM39+00N 01+25E	<0.5	15.8	93	<5	4	10400	7	3.5	143	141
KWM39+00N 01+50E	<0.5	12.2	151	<5	12	4550	7	3.3	211	177
KWM39+00N 01+75E	<0.5	8.9	375	<5	7	10400	<5	2.1	562	357
KWM39+00N 02+00E	<0.5	7.4	56	<5	11	1950	7	0.5	110	161
KWM39+00N 02+25E	<0.5	13.1	182	<5	7	5510	<5	2.4	261	80
KWM39+00N 02+50E	<0.5	11.8	117	<5	5	9240	<5	2.8	198	298
KWM39+00N 02+75E	<0.5	21.2	44	<5	11	4450	5	2.9	62	92
KWM39+00N 03+00E	<0.5	14.0	255	<5	23	9070	<5	0.7	504	475
KWM39+00N 03+25E	<0.5	13.2	126	<5	8	3390	<5	2.3	222	335
KWM39+00N 03+50E	<0.5	16.8	171	<5	11	35100	7	2.6	265	474
KWM39+00N 03+75E	<0.5	10.6	207	<5	23	5210	7	0.9	434	1230
KWM39+00N 04+00E	<0.5	10.4	225	37	60	580	<5	<0.5	595	2200
KWM39+00N 04+25E	<0.5	15.3	96	<5	6	6110	<5	2.4	193	371
KWM39+00N 04+50E	<0.5	12.8	50	<5	14	9230	<5	1.4	171	1130
KWM39+00N 04+75E	<0.5	10.1	153	<5	2	5520	5	2.9	291	149
KWM39+00N 05+00E	<0.5	16.2	100	<5	2	18700	11	3.0	152	176
KWM39+00N 05+25E	<0.5	12.5	152	<5	22	1430	<5	<0.5	374	1240
KWM39+00N 05+50E	<0.5	8.4	70	<5	11	21100	<5	1.6	123	546
KWM39+00N 06+50E	<0.5	9.8	108	<5	38	5590	<5	<0.5	284	1940
KWM39+00N 06+75E	<0.5	22.7	25	<5	22	3240	<5	2.2	30	67
KWM39+00N 07+00E	<0.5	16.5	44	<5	4	6860	<5	2.7	62	66
KWM39+00N 08+25E	<0.5	18.1	14	8	43	1380	<5	0.7	27	89
KWM39+00N 08+50E	<0.5	23.2	18	7	37	3530	6	4.5	30	64

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113317 Order:

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM39+00N 08+75E	<0.5	12.4	84	<5	10	3220	<5	1.6	140	168
KWM39+00N 10+50E	<0.5	8.7	421	<5	21	1800	<5	0.8	832	1190
KWM39+00N 10+75E	<0.5	13.4	165	<5	4	7100	5	2.5	221	157
KWM39+00N 11+00E	<0.5	15.3	119	<5	9	2030	<5	3.3	179	155
KWM39+00N 11+50E	<0.5	18.2	59	<5	21	410	<5	<0.5	111	162
KWM39+00N 11+75E	<0.5	17.7	80	<5	9	2220	14	2.4	156	138
KWM39+00N 12+00E	<0.5	13.6	24	<5	1	330	<5	2.2	29	59
KWM39+00N 00+50W	<0.5	41.5	39	<5	39	880	<5	<0.5	60	259
KWM39+00N 00+75W	<0.5	61.2	46	6	44	6910	8	0.6	93	369
KWM39+00N 01+00W	<0.5	57.1	71	6	37	6400	<5	0.5	122	306
KWM39+00N 01+25W	<0.5	26.6	54	8	29	7150	<5	1.6	86	339
KWM40+00N 00+00W	<0.5	15.7	21	<5	58	14300	16	0.9	52	1180
KWM40+00N 00+25W	<0.5	13.5	70	<5	79	16800	9	<0.5	150	721
KWM40+00N 01+00W	<0.5	12.6	74	<5	9	8260	8	1.9	117	170
KWM40+00N 01+25W	<0.5	6.4	53	<5	43	560	<5	<0.5	106	710
KWM40+00N 01+50W	<0.5	25.0	107	<5	7	14200	11	4.4	135	223
KWM40+00N 01+75W	<0.5	27.6	134	8	36	4520	<5	<0.5	326	845
*Rep KWM38+00N 07+00E	<0.5	4.6	12	<5	28	14300	15	0.7	24	1050
*Rep KWM39+00N 01+25E	<0.5	15.2	99	<5	4	15700	7	3.8	143	137
*Rep KWM39+00N 05+25E	<0.5	11.5	175	<5	23	1520	<5	<0.5	387	857
*Rep KWM39+00N 12+00E	<0.5	12.1	37	<5	1	300	<5	2.6	40	54
*Rep KWM39+00N 01+25W	<0.5	26.8	51	7	29	7460	<5	1.4	82	343
*Std MMISRM16	<0.5	37.7	5	<5	36	130	48	<0.5	18	266
*Std AMIS0169	<0.5	43.2	438	<5	33	4230	<5	3.2	389	431
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM38+00N 06+25E	1.5	570	<1	13	<1	67	5	25	17	<1
KWM38+00N 06+50E	1.7	90	<1	3	<1	199	2	6	4	<1
KWM38+00N 06+75E	0.9	190	<1	4	<1	60	<1	<5	4	<1
KWM38+00N 07+00E	0.4	310	<1	5	<1	41	13	75	9	<1
KWM38+00N 07+25E	0.6	610	<1	46	<1	35	9	198	71	<1
KWM38+00N 07+50E	1.0	980	<1	48	<1	31	20	196	75	<1
KWM38+00N 07+75E	0.8	520	<1	37	<1	32	5	195	68	<1
KWM38+00N 08+00E	1.5	760	<1	108	<1	42	41	198	129	<1
KWM38+00N 08+25E	0.3	150	<1	30	<1	14	14	43	41	<1
KWM38+00N 08+50E	0.4	360	<1	49	<1	15	22	61	64	<1
KWM38+00N 08+75E	0.2	100	<1	13	<1	27	2	20	15	<1
KWM38+00N 09+25E	0.3	340	<1	28	<1	31	4	39	35	<1
KWM38+00N 10+00E	0.3	180	<1	23	<1	20	1	49	25	<1
KWM38+00N 10+25E	0.4	110	<1	34	<1	32	9	39	60	<1
KWM38+00N 10+50E	0.3	590	<1	16	<1	29	8	26	20	<1
KWM38+00N 11+75E	0.5	380	<1	32	<1	33	16	49	47	<1
KWM38+00N 12+00E	0.3	290	<1	52	<1	24	2	70	86	<1
KWM39+00N 00+50E	0.2	60	<1	15	<1	21	1	18	31	<1
KWM39+00N 00+75E	3.1	590	<1	55	<1	72	6	48	76	<1
KWM39+00N 01+00E	2.4	820	<1	31	<1	147	6	36	40	6
KWM39+00N 01+25E	5.8	1060	<1	31	<1	113	6	33	35	1
KWM39+00N 01+50E	3.4	1000	<1	48	<1	115	7	38	54	6
KWM39+00N 01+75E	3.8	620	<1	125	<1	127	4	86	157	<1
KWM39+00N 02+00E	0.5	180	<1	20	<1	101	1	12	35	1
KWM39+00N 02+25E	1.8	800	<1	58	<1	152	4	30	60	<1
KWM39+00N 02+50E	1.5	520	<1	42	<1	142	2	54	61	4
KWM39+00N 02+75E	3.7	510	<1	14	<1	124	3	17	16	5
KWM39+00N 03+00E	1.5	360	<1	101	<1	20	3	77	147	<1
KWM39+00N 03+25E	4.9	690	<1	45	<1	122	5	58	65	3
KWM39+00N 03+50E	5.7	630	<1	59	<1	94	8	67	72	1
KWM39+00N 03+75E	1.6	540	<1	87	<1	54	6	95	129	2
KWM39+00N 04+00E	0.3	440	<1	105	<1	15	2	71	204	<1
KWM39+00N 04+25E	6.6	1020	<1	37	<1	121	6	59	59	1
KWM39+00N 04+50E	5.5	820	<1	28	<1	140	3	113	75	<1
KWM39+00N 04+75E	3.1	910	<1	60	<1	210	4	56	86	<1
KWM39+00N 05+00E	5.2	870	<1	33	<1	198	12	54	46	2
KWM39+00N 05+25E	0.6	520	<1	69	<1	62	1	93	131	<1
KWM39+00N 05+50E	1.4	290	<1	26	<1	111	3	36	36	<1
KWM39+00N 06+50E	0.4	290	<1	50	<1	93	2	99	107	3
KWM39+00N 06+75E	4.1	460	<1	7	<1	207	5	14	7	<1
KWM39+00N 07+00E	10.0	550	<1	14	<1	199	6	25	15	1
KWM39+00N 08+25E	0.6	210	<1	5	<1	182	<1	<5	7	<1
KWM39+00N 08+50E	1.5	650	<1	6	<1	183	3	12	8	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113317 Order:

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM39+00N 08+75E	2.3	1220	<1	31	<1	165	4	23	36	<1
KWM39+00N 10+50E	1.1	450	<1	170	<1	54	4	133	243	<1
KWM39+00N 10+75E	6.3	690	<1	50	<1	177	5	49	59	6
KWM39+00N 11+00E	5.8	540	<1	39	<1	180	3	40	49	<1
KWM39+00N 11+50E	0.5	350	<1	23	<1	267	2	27	37	<1
KWM39+00N 11+75E	4.2	870	<1	31	<1	227	11	29	43	1
KWM39+00N 12+00E	2.6	830	<1	7	<1	257	2	15	8	3
KWM39+00N 00+50W	0.8	330	<1	15	<1	65	1	26	27	<1
KWM39+00N 00+75W	2.6	590	<1	18	<1	131	8	39	32	<1
KWM39+00N 01+00W	4.9	220	<1	26	<1	53	7	43	34	<1
KWM39+00N 01+25W	6.1	270	<1	19	<1	142	6	39	24	<1
KWM40+00N 00+00W	0.5	190	<1	10	<1	41	6	51	16	<1
KWM40+00N 00+25W	0.2	40	<1	29	<1	25	2	16	42	<1
KWM40+00N 01+00W	2.5	1250	<1	26	<1	123	12	50	33	<1
KWM40+00N 01+25W	0.3	80	<1	21	<1	31	2	9	29	<1
KWM40+00N 01+50W	5.1	680	<1	31	<1	137	15	44	33	1
KWM40+00N 01+75W	0.7	230	<1	60	<1	45	2	79	103	<1
*Rep KWM38+00N 07+00E	0.4	350	<1	5	<1	41	12	73	9	<1
*Rep KWM39+00N 01+25E	6.2	980	<1	32	<1	119	7	33	34	1
*Rep KWM39+00N 05+25E	1.0	390	<1	74	<1	55	2	57	121	<1
*Rep KWM39+00N 12+00E	3.0	690	<1	9	<1	273	2	19	10	1
*Rep KWM39+00N 01+25W	5.9	270	<1	18	<1	138	6	37	23	<1
*Std MMISRM16	0.3	110	26	3	<1	325	<1	10	5	<1
*Std AMIS0169	2.6	110	<1	102	<1	247	<1	60	64	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by e third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client end are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM38+00N 06+25E	1380	<1	3	<10	34.9	522	<0.5	11	<1	80
KWM38+00N 06+50E	1390	<1	<1	<10	13.1	142	<0.5	6	<1	17
KWM38+00N 06+75E	1610	<1	<1	<10	8.7	36	<0.5	4	<1	16
KWM38+00N 07+00E	1820	<1	3	<10	28.9	89	<0.5	114	<1	110
KWM38+00N 07+25E	1820	<1	19	<10	103	68	<0.5	137	<1	719
KWM38+00N 07+50E	1710	<1	19	<10	137	124	<0.5	210	<1	611
KWM38+00N 07+75E	1590	<1	20	<10	69.6	119	<0.5	78	<1	695
KWM38+00N 08+00E	1090	<1	25	<10	186	163	<0.5	96	<1	743
KWM38+00N 08+25E	2130	<1	9	<10	92.3	48	<0.5	31	<1	310
KWM38+00N 08+50E	1600	<1	12	<10	101	81	<0.5	69	<1	444
KWM38+00N 08+75E	2760	<1	3	<10	22.2	40	<0.5	173	<1	100
KWM38+00N 09+25E	2390	<1	7	<10	75.4	57	<0.5	99	<1	206
KWM38+00N 10+00E	2820	<1	5	<10	43.8	19	<0.5	157	<1	160
KWM38+00N 10+25E	2000	<1	13	<10	87.3	56	<0.5	55	<1	444
KWM38+00N 10+50E	2460	<1	4	<10	34.7	37	<0.5	254	<1	146
KWM38+00N 11+75E	1240	<1	9	<10	95.1	68	<0.5	55	<1	264
KWM38+00N 12+00E	1680	<1	19	<10	65.6	20	<0.5	92	<1	662
KWM39+00N 00+50E	1550	<1	6	<10	14.7	50	<0.5	19	<1	199
KWM39+00N 00+75E	820	<1	14	<10	85.0	295	0.7	24	<1	330
KWM39+00N 01+00E	630	<1	7	<10	74.2	596	0.7	19	<1	143
KWM39+00N 01+25E	280	<1	5	<10	56.0	914	<0.5	14	<1	128
KWM39+00N 01+50E	740	<1	9	<10	57.0	871	0.7	16	<1	184
KWM39+00N 01+75E	400	<1	29	<10	85.2	616	0.5	39	<1	691
KWM39+00N 02+00E	1270	<1	6	<10	25.1	101	<0.5	27	<1	147
KWM39+00N 02+25E	660	<1	9	<10	58.7	640	0.5	14	<1	194
KWM39+00N 02+50E	410	<1	12	<10	70.9	343	0.5	22	<1	306
KWM39+00N 02+75E	680	<1	2	<10	25.0	713	<0.5	9	<1	58
KWM39+00N 03+00E	1030	<1	28	<10	67.2	237	<0.5	30	<1	774
KWM39+00N 03+25E	450	<1	13	<10	71.8	627	0.7	19	<1	346
KWM39+00N 03+50E	450	<1	13	<10	102	684	0.6	25	<1	382
KWM39+00N 03+75E	1230	<1	26	<10	89.8	205	<0.5	55	<1	747
KWM39+00N 04+00E	2200	<1	40	<10	102	26	<0.5	94	<1	1170
KWM39+00N 04+25E	340	<1	10	<10	89.1	628	0.7	18	<1	262
KWM39+00N 04+50E	690	<1	23	<10	68.1	289	0.7	82	<1	768
KWM39+00N 04+75E	440	<1	14	<10	71.5	730	0.7	19	<1	286
KWM39+00N 05+00E	370	<1	8	<10	117	803	0.8	27	<1	137
KWM39+00N 05+25E	1370	<1	33	<10	38.8	59	<0.5	58	<1	1120
KWM39+00N 05+50E	890	<1	7	<10	27.7	239	<0.5	31	<1	225
KWM39+00N 06+50E	1720	<1	26	<10	34.0	31	0.6	94	<1	1200
KWM39+00N 06+75E	680	<1	1	<10	20.6	497	<0.5	5	<1	27
KWM39+00N 07+00E	310	<1	2	<10	38.5	528	0.7	8	<1	48
KWM39+00N 08+25E	2230	<1	1	<10	9.3	46	<0.5	5	<1	29
KWM39+00N 08+50E	1030	<1	1	<10	20.9	866	<0.5	6	<1	30

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO13917 Order:

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM39+00N 08+75E	1130	<1	6	<10	31.6	323	1.1	14	<1	117
KWM39+00N 10+50E	810	<1	46	<10	97.2	142	<0.5	49	<1	1580
KWM39+00N 10+75E	430	<1	9	<10	104	534	0.9	21	<1	176
KWM39+00N 11+00E	730	<1	8	<10	56.7	801	0.8	15	<1	175
KWM39+00N 11+50E	1230	<1	7	<10	22.3	62	1.1	17	<1	169
KWM39+00N 11+75E	880	<1	7	<10	36.3	601	0.7	11	<1	143
KWM39+00N 12+00E	80	<1	2	<10	28.0	806	1.5	5	<1	37
KWM39+00N 00+50W	2150	<1	6	<10	30.7	44	<0.5	16	<1	170
KWM39+00N 00+75W	1370	<1	6	<10	79.4	125	0.9	21	<1	136
KWM39+00N 01+00W	1160	<1	7	<10	59.4	76	0.9	33	<1	155
KWM39+00N 01+25W	1290	<1	5	<10	55.0	193	0.7	26	<1	110
KWM40+00N 00+00W	2200	<1	4	<10	12.7	76	<0.5	245	<1	139
KWM40+00N 00+25W	2440	<1	7	<10	25.2	8	<0.5	68	<1	212
KWM40+00N 01+00W	870	<1	7	<10	76.6	516	0.7	27	<1	143
KWM40+00N 01+25W	1780	<1	5	<10	9.8	32	<0.5	31	<1	199
KWM40+00N 01+50W	840	<1	6	<10	52.6	886	<0.5	19	<1	132
KWM40+00N 01+75W	1840	<1	20	<10	70.5	43	0.6	50	<1	697
*Rep KWM38+00N 07+00E	1790	<1	3	<10	27.4	93	<0.5	116	<1	113
*Rep KWM39+00N 01+25E	290	<1	5	<10	55.9	1020	<0.5	13	<1	119
*Rep KWM39+00N 05+25E	1220	<1	24	<10	39.2	127	<0.5	44	<1	720
*Rep KWM39+00N 12+00E	80	<1	2	<10	32.8	590	1.5	6	<1	36
*Rep KWM39+00N 01+25W	1280	<1	4	<10	52.1	175	0.6	24	<1	106
*Std MMISRM16	520	<1	<1	<10	22.6	8	<0.5	48	<1	12
*Std AMIS0169	90	<1	6	<10	74.4	421	1.2	25	1	132
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS

Final : TO113317 Order:

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM38+00N 06+25E	5	250	75
KWM38+00N 06+50E	1	600	34
KWM38+00N 06+75E	1	810	31
KWM38+00N 07+00E	8	1490	67
KWM38+00N 07+25E	51	2110	212
KWM38+00N 07+50E	51	5240	251
KWM38+00N 07+75E	48	2470	169
KWM38+00N 08+00E	52	1790	253
KWM38+00N 08+25E	19	350	70
KWM38+00N 08+50E	30	820	78
KWM38+00N 08+75E	7	340	22
KWM38+00N 09+25E	14	580	56
KWM38+00N 10+00E	11	430	35
KWM38+00N 10+25E	24	770	58
KWM38+00N 10+50E	10	480	23
KWM38+00N 11+75E	16	890	86
KWM38+00N 12+00E	40	790	71
KWM39+00N 00+50E	8	190	19
KWM39+00N 00+75E	19	420	120
KWM39+00N 01+00E	9	310	117
KWM39+00N 01+25E	9	420	190
KWM39+00N 01+50E	10	410	113
KWM39+00N 01+75E	29	260	195
KWM39+00N 02+00E	7	310	37
KWM39+00N 02+25E	11	180	138
KWM39+00N 02+50E	19	750	137
KWM39+00N 02+75E	4	210	96
KWM39+00N 03+00E	42	360	66
KWM39+00N 03+25E	19	480	114
KWM39+00N 03+50E	22	820	162
KWM39+00N 03+75E	46	950	121
KWM39+00N 04+00E	66	610	87
KWM39+00N 04+25E	17	530	182
KWM39+00N 04+50E	41	1030	139
KWM39+00N 04+75E	16	280	181
KWM39+00N 05+00E	9	360	174
KWM39+00N 05+25E	55	1150	47
KWM39+00N 05+50E	13	990	129
KWM39+00N 06+50E	60	400	62
KWM39+00N 06+75E	2	1060	85
KWM39+00N 07+00E	3	860	143
KWM39+00N 08+25E	2	630	26
KWM39+00N 08+50E	2	1090	63

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TG113317 Order:

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
KWM39+00N 08+75E	7	1280	91
KWM39+00N 10+50E	75	690	99
KWM39+00N 10+75E	11	590	196
KWM39+00N 11+00E	11	300	158
KWM39+00N 11+50E	9	400	46
KWM39+00N 11+75E	8	720	85
KWM39+00N 12+00E	3	350	130
KWM39+00N 00+50W	9	580	42
KWM39+00N 00+75W	8	1590	75
KWM39+00N 01+00W	9	1370	88
KWM39+00N 01+25W	7	1370	116
KWM40+00N 00+00W	10	540	34
KWM40+00N 00+25W	11	430	19
KWM40+00N 01+00W	9	420	124
KWM40+00N 01+25W	9	150	13
KWM40+00N 01+50W	8	360	153
KWM40+00N 01+75W	39	230	63
*Rep KWM38+00N 07+00E	9	1580	64
*Rep KWM39+00N 01+25E	8	450	200
*Rep KWM39+00N 05+25E	37	950	60
*Rep KWM39+00N 12+00E	3	320	174
*Rep KWM39+00N 01+25W	6	1500	106
*Std MMISRM16	<1	290	19
*Std AMIS0169	10	210	55
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO113318

Date: Jan 11, 2011

To: **Aaron Higgs**
TerraLogic Exploration Inc.
44-12th Avenue South,
Suite 200,
CRANBROOK
BC V1C 2R7

P.O. No.	:	-
Project No.	:	-
No. Of Samples	:	87
Date Submitted	:	Dec 14, 2010
Report Comprises	:	Pages 1 to 19 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :
Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ aymbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS

Final : TO113818 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM40+00N 00+25E	30	230	80	<0.1	4690	2	110	83	149	215
KWM40+00N 00+50E	12	190	80	<0.1	5860	3	150	46	161	78
KWM40+00N 00+75E	22	126	30	0.2	8650	1	190	53	324	537
KWM40+00N 01+00E	24	202	10	0.2	6180	<1	140	49	325	120
KWM40+00N 01+25E	34	161	70	0.2	11700	1	160	18	679	67
KWM40+00N 01+50E	39	240	50	0.3	8690	2	100	21	426	165
KWM40+00N 01+75E	34	257	20	0.2	5960	<1	100	27	267	158
KWM40+00N 02+00E	22	178	70	0.3	6500	1	100	58	657	566
KWM40+00N 02+50E	41	127	30	0.3	12300	<1	260	50	715	47
KWM40+00N 02+75E	15	197	50	0.2	5430	2	90	56	185	123
KWM40+00N 03+25E	42	140	30	0.2	8490	<1	180	47	350	325
KWM40+00N 03+50E	40	68	20	0.2	11200	<1	320	47	272	254
KWM40+00N 03+75E	24	93	70	0.1	8490	3	150	105	330	376
KWM40+00N 04+00E	20	100	50	0.3	7180	3	50	27	88	218
KWM40+00N 04+25E	29	193	60	0.3	8970	3	70	29	366	503
KWM40+00N 04+50E	40	168	30	0.4	10200	2	130	42	432	537
KWM40+00N 04+75E	14	143	60	0.1	4650	2	160	43	379	79
KWM40+00N 05+00E	26	146	50	0.1	8410	1	140	41	412	122
KWM40+00N 05+25E	58	36	<10	0.3	4730	<1	350	26	198	21
KWM40+00N 05+50E	30	43	<10	0.4	15100	<1	400	16	77	21
KWM40+00N 06+75E	48	120	<10	0.2	5860	<1	330	132	157	67
KWM40+00N 07+00E	43	103	<10	0.3	7650	<1	290	192	37	99
KWM40+00N 07+25E	16	108	<10	<0.1	19400	<1	380	50	294	16
KWM40+00N 07+50E	82	173	30	<0.1	4140	<1	110	39	125	66
KWM40+00N 07+75E	15	61	<10	<0.1	4790	<1	630	29	25	5
KWM40+00N 08+00E	9	46	<10	<0.1	5090	<1	500	48	35	<5
KWM40+00N 08+50E	13	>300	30	<0.1	5370	1	20	42	108	85
KWM40+00N 08+75E	28	220	60	<0.1	9870	2	120	40	92	137
KWM40+00N 09+00E	15	200	<10	<0.1	21800	<1	240	61	84	76
KWM40+00N 09+25E	60	108	<10	0.2	15600	<1	350	59	358	21
KWM40+00N 09+50E	36	68	30	0.2	14000	<1	230	36	508	60
KWM40+00N 09+75E	9	233	160	0.1	7380	5	90	73	269	287
KWM40+00N 10+00E	36	300	50	0.4	4900	2	<10	29	178	193
KWM40+00N 10+25E	37	>300	70	0.1	6970	3	10	30	244	116
KWM40+00N 10+50E	13	283	50	<0.1	4700	2	20	21	191	76
KWM40+00N 10+75E	20	275	40	0.3	4930	1	10	28	117	85
KWM40+00N 11+00E	29	151	60	0.2	13200	1	110	58	951	97
KWM40+00N 11+25E	29	214	20	0.2	13900	1	100	136	519	91
KWM40+00N 11+50E	145	77	<10	0.2	20800	<1	420	95	226	61
KWM40+00N 11+75E	104	36	<10	0.3	18400	<1	420	38	194	115
KWM40+00N 12+00E	105	53	<10	0.5	13500	<1	500	59	373	106
KWM41+00N 00+00E	24	252	80	<0.1	4970	3	20	33	237	137
KWM41+00N 00+25E	45	285	10	0.1	2800	<1	<10	46	165	320

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM41+00N 00+50E	20	72	30	<0.1	14100	<1	200	31	437	56
KWM41+00N 00+75E	35	174	50	0.1	8960	1	160	56	521	45
KWM41+00N 01+00E	42	81	10	0.1	14300	<1	320	61	422	27
KWM41+00N 01+25E	41	205	20	0.2	10700	<1	100	31	316	296
KWM41+00N 01+75E	22	154	10	0.1	6050	<1	70	74	24	471
KWM41+00N 02+00E	10	75	30	0.1	6490	1	240	37	80	242
KWM41+00N 02+50E	7	107	20	<0.1	9840	<1	300	38	186	66
KWM41+00N 02+75E	10	255	<10	0.2	5000	<1	50	121	46	135
KWM41+00N 03+00E	29	175	30	<0.1	6580	<1	160	26	265	88
KWM41+00N 03+25E	17	122	60	0.1	7690	2	50	25	1130	205
KWM41+00N 03+50E	15	148	70	0.2	12100	3	140	62	284	268
KWM41+00N 03+75E	15	147	10	0.1	13700	<1	270	19	356	149
KWM41+00N 04+00E	27	244	30	<0.1	21200	1	50	25	171	95
KWM41+00N 00+25W	11	216	60	<0.1	4380	2	40	14	168	95
KWM41+00N 00+50W	11	172	120	<0.1	3970	4	70	27	99	77
KWM41+00N 00+75W	54	36	<10	0.2	18200	<1	520	27	115	17
KWM41+00N 01+00W	33	63	<10	0.3	8920	<1	510	35	42	20
KWM41+00N 02+00W	38	73	<10	<0.1	5540	<1	410	254	174	95
KWM41+00N 02+50W	35	6	20	<0.1	1470	<1	380	96	20	37
KWM41+00N 04+25E	21	>300	20	<0.1	6290	<1	<10	4	154	25
KWM41+00N 04+50E	19	37	<10	0.2	4290	<1	430	14	117	140
KWM41+00N 04+75E	33	11	<10	0.2	6100	<1	420	18	46	70
KWM41+00N 05+00E	5	263	20	<0.1	3410	<1	40	59	219	202
KWM41+00N 05+25E	4	127	20	<0.1	2530	<1	170	29	106	175
KWM41+00N 05+50E	88	25	<10	0.2	10200	<1	660	28	90	40
KWM41+00N 05+75E	93	21	<10	0.2	16700	<1	390	24	93	8
KWM41+00N 06+50E	18	94	20	<0.1	7100	<1	340	45	109	109
KWM41+00N 06+75E	12	28	<10	<0.1	3780	<1	390	27	44	<5
KWM41+00N 07+00E	55	14	<10	0.2	5240	<1	350	31	36	36
KWM41+00N 07+50E	18	87	<10	<0.1	470	<1	520	630	24	36
KWM41+00N 08+75E	47	166	40	0.2	14700	1	160	111	754	181
KWM41+00N 09+00E	60	130	50	0.1	7570	2	130	71	942	103
KWM41+00N 09+25E	28	96	30	0.3	14900	<1	210	47	1580	54
KWM41+00N 09+50E	26	105	30	0.2	15800	<1	230	61	1510	56
KWM41+00N 09+75E	98	104	<10	0.1	22300	<1	370	199	36	254
KWM41+00N 10+00E	76	50	<10	0.4	12700	<1	430	64	168	41
KWM41+00N 10+25E	60	27	<10	0.2	11600	<1	390	47	167	25
KWM41+00N 10+50E	12	199	80	0.2	9480	3	70	54	297	133
KWM41+00N 10+75E	38	39	20	0.1	21000	<1	220	47	521	17
KWM41+00N 11+00E	22	167	60	0.1	9190	2	130	33	404	126
KWM41+00N 11+25E	72	20	<10	0.2	18300	<1	330	22	79	7
KWM41+00N 11+50E	24	225	50	0.1	7320	3	70	48	516	85
KWM41+00N 11+75E	13	189	50	<0.1	6080	2	110	35	286	176

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM41+00N 12+00E	137	44	<10	0.2	10800	<1	490	79	179	54
*Rep KWM40+00N 01+00E	23	191	20	0.2	6170	1	150	40	329	147
*Rep KWM40+00N 07+75E	17	63	<10	<0.1	5060	<1	650	34	25	6
*Rep KWM40+00N 11+25E	30	192	20	0.2	14700	<1	130	156	500	99
*Rep KWM41+00N 03+00E	27	175	20	0.1	6630	<1	160	25	248	73
*Rep KWM41+00N 00+75W	55	33	<10	0.2	18000	<1	500	26	125	21
*Rep KWM41+00N 09+75E	73	103	<10	<0.1	22900	<1	380	190	43	316
*Rep KWM41+00N 10+75E	38	49	20	0.2	19600	<1	220	54	585	56
*Std MMISRM16	19	43	10	24.0	70	<1	220	4	19	58
*Std AMIS0169	9	62	10	0.4	930	<1	40	2	827	112
*Std MMISRM18	26	30	10	8.5	180	<1	190	89	30	86
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO11331B Order:

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM40+00N 00+25E	<100	13.6	370	30	12.3	8.8	179	10	35	<1
KWM40+00N 00+50E	<100	3.9	360	23	9.6	7.1	110	18	27	<1
KWM40+00N 00+75E	<100	0.9	1350	70	36.7	18.5	162	6	78	<1
KWM40+00N 01+00E	<100	0.8	550	99	43.7	23.8	110	10	110	<1
KWM40+00N 01+25E	<100	5.3	550	115	44.2	36.1	121	10	154	<1
KWM40+00N 01+50E	100	4.7	540	65	25.1	19.7	161	14	79	<1
KWM40+00N 01+75E	<100	4.5	680	58	25.1	15.3	112	8	65	<1
KWM40+00N 02+00E	<100	5.9	880	83	35.0	25.7	168	11	102	<1
KWM40+00N 02+50E	<100	1.4	2330	211	110	54.2	61	6	240	<1
KWM40+00N 02+75E	<100	4.9	370	40	16.4	12.7	153	11	53	<1
KWM40+00N 03+25E	<100	1.6	960	64	31.2	17.2	95	6	73	<1
KWM40+00N 03+50E	<100	0.7	2660	65	32.6	17.5	134	4	73	<1
KWM40+00N 03+75E	<100	2.3	1690	64	31.1	17.0	227	6	71	<1
KWM40+00N 04+00E	<100	2.2	3730	23	17.1	5.0	495	3	19	<1
KWM40+00N 04+25E	<100	1.3	2710	189	99.0	37.0	235	8	178	<1
KWM40+00N 04+50E	<100	1.3	2940	179	98.3	38.2	186	7	169	<1
KWM40+00N 04+75E	<100	1.0	670	67	28.1	18.5	132	8	77	<1
KWM40+00N 05+00E	<100	1.1	490	70	30.7	20.0	135	9	85	<1
KWM40+00N 05+25E	<100	1.3	1120	57	24.0	17.3	24	2	76	<1
KWM40+00N 05+50E	<100	0.9	500	22	7.8	7.8	24	1	31	<1
KWM40+00N 06+75E	<100	3.0	1470	109	50.8	21.8	93	2	103	<1
KWM40+00N 07+00E	<100	1.5	4390	184	124	16.0	233	2	90	<1
KWM40+00N 07+25E	<100	1.1	360	62	24.6	20.1	23	5	87	<1
KWM40+00N 07+50E	<100	6.2	210	42	17.6	11.6	72	5	53	<1
KWM40+00N 07+75E	<100	<0.5	600	9	4.3	2.8	26	1	11	<1
KWM40+00N 08+00E	<100	2.5	430	11	4.1	3.6	25	1	14	<1
KWM40+00N 08+50E	<100	1.2	210	12	5.2	3.9	147	13	14	<1
KWM40+00N 08+75E	<100	1.3	200	8	3.5	3.1	136	12	9	<1
KWM40+00N 09+00E	<100	0.7	180	25	10.5	8.0	61	4	28	<1
KWM40+00N 09+25E	<100	0.9	1520	141	66.7	36.3	38	4	165	<1
KWM40+00N 09+50E	<100	0.8	700	99	44.4	29.7	50	5	126	1
KWM40+00N 09+75E	100	3.2	390	31	13.2	10.6	329	29	38	<1
KWM40+00N 10+00E	100	3.5	440	21	8.7	6.9	237	14	24	<1
KWM40+00N 10+25E	100	2.6	300	33	12.3	10.8	236	18	41	<1
KWM40+00N 10+50E	<100	2.6	300	30	11.9	9.1	229	14	37	<1
KWM40+00N 10+75E	<100	5.2	440	26	14.6	5.6	261	13	22	<1
KWM40+00N 11+00E	<100	5.8	680	134	59.1	43.4	116	11	181	<1
KWM40+00N 11+25E	<100	1.7	840	156	70.9	40.8	117	11	182	<1
KWM40+00N 11+50E	<100	0.6	1380	101	53.1	26.8	19	2	119	2
KWM40+00N 11+75E	<100	<0.5	1870	98	48.9	22.8	17	2	116	4
KWM40+00N 12+00E	<100	0.5	1380	109	55.4	26.0	29	3	127	2
KWM41+00N 00+00E	<100	2.9	300	26	10.6	10.1	227	19	40	<1
KWM41+00N 00+25E	<100	4.7	620	34	13.0	8.3	76	6	34	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM41+00N 00+50E	<100	2.1	590	117	48.8	34.4	52	5	150	<1
KWM41+00N 00+75E	<100	5.1	1310	249	104	64.8	127	8	290	<1
KWM41+00N 01+00E	<100	1.0	1810	199	91.3	50.9	66	3	239	<1
KWM41+00N 01+25E	<100	1.2	1660	198	102	38.2	142	6	180	<1
KWM41+00N 01+75E	<100	1.5	1130	37	27.5	2.3	245	2	9	<1
KWM41+00N 02+00E	<100	<0.5	1840	25	13.3	5.9	314	2	23	<1
KWM41+00N 02+50E	<100	44.9	480	33	12.0	10.5	42	2	42	<1
KWM41+00N 02+75E	<100	1.1	1390	164	79.9	15.0	98	3	83	<1
KWM41+00N 03+00E	<100	1.0	330	49	19.5	16.2	126	7	68	<1
KWM41+00N 03+25E	<100	2.8	720	157	55.6	51.3	103	9	224	<1
KWM41+00N 03+50E	<100	1.8	560	47	20.9	14.9	192	11	62	<1
KWM41+00N 03+75E	<100	1.3	310	44	16.2	11.2	41	3	44	<1
KWM41+00N 04+00E	<100	26.1	710	18	6.4	6.2	83	6	18	<1
KWM41+00N 00+25W	<100	2.5	210	14	5.9	5.5	191	17	19	<1
KWM41+00N 00+50W	100	1.5	220	10	3.9	3.5	264	11	13	<1
KWM41+00N 00+75W	<100	0.6	830	41	16.4	13.9	18	1	58	<1
KWM41+00N 01+00W	<100	<0.5	470	17	8.9	4.7	26	2	19	<1
KWM41+00N 02+00W	<100	1.6	1370	76	43.5	16.7	69	2	80	<1
KWM41+00N 02+50W	<100	3.4	1150	8	3.9	2.4	21	<1	10	<1
KWM41+00N 04+25E	<100	3.4	290	39	14.6	9.0	63	8	36	<1
KWM41+00N 04+50E	<100	0.8	1010	21	8.9	7.7	38	2	31	<1
KWM41+00N 04+75E	<100	0.6	1150	20	7.6	7.3	11	<1	31	<1
KWM41+00N 05+00E	<100	1.3	900	104	41.7	20.9	128	5	99	<1
KWM41+00N 05+25E	<100	2.9	150	14	5.8	4.5	110	5	19	<1
KWM41+00N 05+50E	<100	<0.5	1240	21	9.2	6.6	9	<1	27	<1
KWM41+00N 05+75E	<100	0.9	1090	52	21.9	16.9	11	<1	74	3
KWM41+00N 06+50E	<100	<0.5	1960	54	26.6	12.0	129	2	54	<1
KWM41+00N 06+75E	<100	5.3	340	13	4.5	4.6	13	<1	19	<1
KWM41+00N 07+00E	<100	2.9	870	16	6.2	5.6	9	<1	23	<1
KWM41+00N 07+50E	<100	2.7	660	17	11.1	2.7	67	1	13	<1
KWM41+00N 08+75E	<100	1.5	570	175	64.9	51.6	92	10	227	<1
KWM41+00N 09+00E	<100	1.3	690	157	67.8	43.7	106	9	192	<1
KWM41+00N 09+25E	<100	1.0	920	305	122	89.4	58	10	398	2
KWM41+00N 09+50E	<100	0.9	710	232	83.8	66.1	51	9	295	1
KWM41+00N 09+75E	<100	<0.5	1420	123	100	13.3	143	1	72	<1
KWM41+00N 10+00E	<100	0.7	1680	37	16.4	10.9	33	2	47	<1
KWM41+00N 10+25E	<100	0.7	940	72	31.9	22.0	23	2	101	<1
KWM41+00N 10+50E	<100	2.0	400	43	20.3	14.0	204	14	54	<1
KWM41+00N 10+75E	<100	0.8	1200	168	78.9	48.2	28	4	220	3
KWM41+00N 11+00E	<100	1.2	500	58	24.2	17.2	146	11	70	<1
KWM41+00N 11+25E	<100	0.5	1430	47	20.5	15.0	8	1	68	4
KWM41+00N 11+50E	<100	2.6	1020	89	40.6	26.3	139	21	113	<1
KWM41+00N 11+75E	<100	2.6	600	44	21.3	13.1	174	14	54	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
KWM41+00N 12+00E	<100	<0.5	2530	44	23.1	11.5	73	2	50	<1
*Rep KWM40+00N 01+00E	<100	1.0	620	92	40.7	23.2	117	10	104	<1
*Rep KWM40+00N 07+75E	<100	<0.5	660	10	4.8	2.9	27	1	12	<1
*Rep KWM40+00N 11+25E	<100	1.6	930	150	68.5	39.4	112	10	178	<1
*Rep KWM41+00N 03+00E	<100	0.9	330	49	19.3	15.8	120	7	66	<1
*Rep KWM41+00N 00+75W	<100	0.7	820	43	17.8	14.8	18	1	63	<1
*Rep KWM41+00N 09+75E	<100	<0.5	1710	110	83.4	13.7	139	1	70	<1
*Rep KWM41+00N 10+75E	<100	0.7	1230	177	85.3	51.7	40	5	229	2
*Std MMISRM16	<100	12.0	650	3	1.1	1.2	2	<1	5	14
*Std AMIS0169	100	7.5	3990	30	12.7	12.0	46	14	44	<1
*Std MMISRM18	<100	6.4	860	4	1.8	1.5	3	<1	7	4
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS

Final : TO113318 Order:

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM40+00N 00+25E	0.5	17.2	65	6	10	3390	8	2.4	99	174
KWM40+00N 00+50E	<0.5	16.0	73	<5	13	1990	9	3.1	92	123
KWM40+00N 00+75E	<0.5	14.3	107	<5	13	40900	7	1.5	222	721
KWM40+00N 01+00E	<0.5	12.0	129	<5	13	6130	<5	2.3	257	375
KWM40+00N 01+25E	<0.5	12.5	289	<5	12	3350	7	2.1	459	189
KWM40+00N 01+50E	<0.5	13.7	186	<5	8	6530	6	2.8	251	172
KWM40+00N 01+75E	<0.5	15.5	113	<5	7	7630	<5	2.0	176	323
KWM40+00N 02+00E	<0.5	17.5	232	<5	7	46700	7	2.1	342	358
KWM40+00N 02+50E	<0.5	7.1	267	<5	18	1230	<5	0.7	604	1640
KWM40+00N 02+75E	<0.5	13.8	80	6	6	3410	5	3.6	150	215
KWM40+00N 03+25E	<0.5	5.4	98	<5	17	55400	5	0.9	205	655
KWM40+00N 03+50E	<0.5	11.4	109	<5	27	12800	12	0.7	198	603
KWM40+00N 03+75E	<0.5	7.0	128	<5	14	18600	21	1.8	207	661
KWM40+00N 04+00E	<0.5	8.1	38	6	15	1270	15	2.8	53	1060
KWM40+00N 04+25E	0.7	6.2	124	<5	6	9570	11	1.6	341	1610
KWM40+00N 04+50E	<0.5	8.0	161	<5	11	21500	<5	1.2	357	1510
KWM40+00N 04+75E	<0.5	12.8	135	<5	10	7290	6	1.3	242	381
KWM40+00N 05+00E	<0.5	15.1	163	<5	16	7070	5	1.3	269	453
KWM40+00N 05+25E	<0.5	13.4	86	16	41	1020	<5	<0.5	195	329
KWM40+00N 05+50E	<0.5	8.1	33	<5	24	500	<5	<0.5	69	137
KWM40+00N 06+75E	<0.5	5.4	60	<5	30	5210	<5	<0.5	147	990
KWM40+00N 07+00E	<0.5	5.0	22	<5	40	1830	<5	<0.5	82	2010
KWM40+00N 07+25E	<0.5	14.8	116	<5	46	100	<5	0.7	221	187
KWM40+00N 07+50E	<0.5	12.2	42	5	10	2070	<5	0.8	110	169
KWM40+00N 07+75E	<0.5	4.0	12	<5	51	280	<5	<0.5	26	317
KWM40+00N 08+00E	<0.5	8.8	13	6	38	100	<5	<0.5	32	169
KWM40+00N 08+50E	<0.5	16.7	45	<5	4	2270	<5	2.5	68	52
KWM40+00N 08+75E	<0.5	23.2	32	<5	10	13300	8	2.1	42	82
KWM40+00N 09+00E	<0.5	12.3	32	<5	31	360	<5	0.7	65	184
KWM40+00N 09+25E	<0.5	6.9	143	<5	28	1470	<5	<0.5	351	1590
KWM40+00N 09+50E	<0.5	8.8	185	<5	19	5360	5	<0.5	358	458
KWM40+00N 09+75E	<0.5	15.5	95	<5	4	21100	17	7.7	140	162
KWM40+00N 10+00E	<0.5	8.8	74	<5	1	5400	6	3.9	97	111
KWM40+00N 10+25E	<0.5	12.9	99	6	2	4110	6	3.7	146	113
KWM40+00N 10+50E	<0.5	13.5	76	5	2	2440	<5	3.5	127	94
KWM40+00N 10+75E	<0.5	15.7	48	<5	3	2230	<5	3.4	69	283
KWM40+00N 11+00E	<0.5	12.2	321	<5	7	8020	6	1.8	579	480
KWM40+00N 11+25E	<0.5	16.2	206	<5	9	2710	<5	2.0	458	707
KWM40+00N 11+50E	<0.5	15.0	88	5	32	4730	<5	0.8	221	975
KWM40+00N 11+75E	<0.5	9.1	86	6	39	8640	10	<0.5	209	893
KWM40+00N 12+00E	<0.5	10.7	119	10	24	9790	7	0.6	271	1210
KWM41+00N 00+00E	<0.5	10.4	96	7	1	3670	8	5.2	158	54
KWM41+00N 00+25E	<0.5	11.2	62	7	1	4600	<5	1.9	93	248

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113216 Order:

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM41+00N 00+50E	<0.5	10.5	167	<5	24	2860	5	0.6	368	412
KWM41+00N 00+75E	<0.5	20.4	184	<5	14	1070	7	0.9	564	1030
KWM41+00N 01+00E	<0.5	8.5	135	14	28	1240	<5	<0.5	433	1730
KWM41+00N 01+25E	<0.5	7.3	105	<5	12	7650	<5	0.9	315	1240
KWM41+00N 01+75E	<0.5	7.5	11	<5	14	4030	<5	0.6	16	516
KWM41+00N 02+00E	<0.5	8.3	30	<5	32	16100	12	1.0	57	467
KWM41+00N 02+50E	<0.5	37.8	66	<5	40	670	<5	<0.5	108	137
KWM41+00N 02+75E	<0.5	19.5	13	<5	11	540	<5	<0.5	72	897
KWM41+00N 03+00E	<0.5	15.5	108	<5	14	2820	<5	1.8	195	379
KWM41+00N 03+25E	<0.5	14.0	359	<5	6	13000	<5	1.2	611	348
KWM41+00N 03+50E	<0.5	16.4	118	<5	9	6900	6	3.1	185	609
KWM41+00N 03+75E	<0.5	20.5	104	<5	87	1900	<5	<0.5	119	361
KWM41+00N 04+00E	0.6	41.8	89	<5	28	140	10	<0.5	75	257
KWM41+00N 00+25W	<0.5	15.3	76	<5	4	2610	6	3.8	93	54
KWM41+00N 00+50W	<0.5	33.4	43	<5	7	6410	12	3.4	53	105
KWM41+00N 00+75W	<0.5	8.4	50	<5	21	870	<5	<0.5	117	269
KWM41+00N 01+00W	<0.5	12.6	19	<5	53	2320	<5	<0.5	40	559
KWM41+00N 02+00W	<0.5	32.1	71	58	54	9560	<5	<0.5	155	1650
KWM41+00N 02+50W	<0.5	22.8	12	11	54	2520	13	<0.5	22	376
KWM41+00N 04+25E	<0.5	10.6	64	<5	7	60	7	<0.5	94	96
KWM41+00N 04+50E	<0.5	13.4	42	<5	68	11900	6	<0.5	87	366
KWM41+00N 04+75E	<0.5	9.7	19	<5	31	6700	15	<0.5	55	243
KWM41+00N 05+00E	<0.5	12.7	73	<5	5	1340	<5	0.9	190	374
KWM41+00N 05+25E	<0.5	21.5	35	<5	13	6930	<5	1.2	60	100
KWM41+00N 05+50E	<0.5	9.2	17	19	12	3370	<5	<0.5	42	628
KWM41+00N 05+75E	<0.5	12.9	39	9	23	410	<5	<0.5	111	572
KWM41+00N 06+50E	<0.5	6.2	39	<5	21	6700	<5	<0.5	92	1090
KWM41+00N 06+75E	<0.5	12.8	16	<5	52	70	<5	<0.5	41	68
KWM41+00N 07+00E	<0.5	11.1	18	6	43	2090	6	<0.5	46	183
KWM41+00N 07+50E	<0.5	10.4	11	<5	37	1440	<5	<0.5	21	902
KWM41+00N 08+75E	<0.5	19.9	314	<5	17	5860	<5	1.3	564	504
KWM41+00N 09+00E	<0.5	13.3	327	<5	14	7410	7	1.3	604	500
KWM41+00N 09+25E	<0.5	12.4	476	<5	18	3080	<5	0.9	1100	405
KWM41+00N 09+50E	<0.5	11.0	470	<5	19	2290	<5	0.8	826	375
KWM41+00N 09+75E	<0.5	13.6	11	<5	43	6330	<5	<0.5	60	2010
KWM41+00N 10+00E	<0.5	15.5	53	<5	43	2740	<5	<0.5	113	516
KWM41+00N 10+25E	<0.5	13.5	96	<5	20	1100	5	<0.5	227	307
KWM41+00N 10+50E	<0.5	16.2	117	<5	7	8260	8	3.3	200	272
KWM41+00N 10+75E	<0.5	10.1	201	6	30	1530	<5	<0.5	538	1170
KWM41+00N 11+00E	<0.5	10.3	160	<5	9	5680	8	2.6	235	239
KWM41+00N 11+25E	<0.5	6.7	42	<5	37	320	7	<0.5	127	372
KWM41+00N 11+50E	<0.5	18.3	209	<5	8	3900	7	5.1	351	622
KWM41+00N 11+75E	<0.5	12.5	110	<5	8	9700	7	2.9	185	383

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM41+00N 12+00E	<0.5	3.9	64	5	44	2530	<5	0.6	130	1370
*Rep KWM40+00N 01+00E	<0.5	12.4	135	<5	13	8070	<5	2.1	253	359
*Rep KWM40+00N 07+75E	<0.5	4.1	13	<5	53	350	<5	<0.5	26	360
*Rep KWM40+00N 11+25E	<0.5	16.7	195	<5	11	3660	<5	2.0	438	805
*Rep KWM41+00N 03+00E	<0.5	16.2	101	<5	15	2100	<5	1.4	182	376
*Rep KWM41+00N 00+75W	<0.5	6.4	55	<5	20	960	<5	<0.5	126	266
*Rep KWM41+00N 09+75E	<0.5	13.7	13	<5	42	11000	<5	<0.5	66	2050
*Rep KWM41+00N 10+75E	<0.5	10.5	241	5	30	3920	<5	<0.5	590	1280
*Std MMISRM16	<0.5	35.9	5	<5	33	110	45	<0.5	17	237
*Std AMIS0169	<0.5	43.8	454	<5	34	4300	<5	3.4	399	437
*Std MMISRM18	<0.5	27.3	9	<5	91	690	34	<0.5	23	568
*Blk BLANK	<0.5	<0.1	<1	<5	<1	10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM40+00N 00+25E	3.4	710	<1	21	<1	250	8	37	30	<1
KWM40+00N 00+50E	5.2	330	<1	21	<1	172	7	26	24	2
KWM40+00N 00+75E	2.3	340	<1	45	<1	59	6	80	83	<1
KWM40+00N 01+00E	3.2	540	<1	52	<1	81	2	50	80	<1
KWM40+00N 01+25E	3.0	590	<1	98	<1	170	7	70	126	<1
KWM40+00N 01+50E	4.7	620	<1	55	<1	152	6	61	68	<1
KWM40+00N 01+75E	4.2	500	<1	38	<1	143	2	44	53	<1
KWM40+00N 02+00E	4.7	560	<1	77	<1	121	8	75	90	<1
KWM40+00N 02+50E	1.2	860	<1	116	<1	65	4	121	185	<1
KWM40+00N 02+75E	2.8	1140	<1	29	<1	162	6	45	46	<1
KWM40+00N 03+25E	3.6	260	<1	42	<1	97	5	67	58	<1
KWM40+00N 03+50E	1.1	360	<1	42	<1	40	5	76	54	<1
KWM40+00N 03+75E	4.1	680	<1	45	<1	79	13	86	57	<1
KWM40+00N 04+00E	3.0	210	<1	12	<1	71	9	75	15	<1
KWM40+00N 04+25E	3.4	1360	<1	62	<1	78	9	170	117	<1
KWM40+00N 04+50E	3.2	960	<1	69	<1	65	6	161	114	<1
KWM40+00N 04+75E	4.2	730	<1	52	<1	41	7	52	67	<1
KWM40+00N 05+00E	4.4	580	<1	58	<1	45	7	54	71	<1
KWM40+00N 05+25E	0.6	90	<1	36	<1	36	2	20	59	<1
KWM40+00N 05+50E	0.4	200	<1	13	<1	58	1	10	23	<1
KWM40+00N 06+75E	0.4	430	<1	27	<1	92	1	115	60	<1
KWM40+00N 07+00E	0.2	1010	<1	13	<1	75	2	157	39	<1
KWM40+00N 07+25E	0.6	220	<1	43	<1	70	<1	18	64	<1
KWM40+00N 07+50E	0.9	760	<1	19	<1	240	3	51	39	<1
KWM40+00N 07+75E	0.1	120	<1	5	<1	16	<1	7	8	<1
KWM40+00N 08+00E	0.2	90	<1	6	<1	134	<1	5	11	<1
KWM40+00N 08+50E	3.6	560	<1	15	<1	95	6	14	14	<1
KWM40+00N 08+75E	3.0	520	<1	8	<1	123	11	19	8	<1
KWM40+00N 09+00E	1.0	380	<1	12	<1	83	2	19	21	<1
KWM40+00N 09+25E	0.3	360	<1	65	<1	40	1	57	116	<1
KWM40+00N 09+50E	1.1	270	<1	72	<1	43	4	38	100	<1
KWM40+00N 09+75E	9.9	1270	<1	31	<1	181	13	41	35	1
KWM40+00N 10+00E	6.5	730	<1	23	<1	186	5	40	24	<1
KWM40+00N 10+25E	7.4	960	<1	32	<1	148	5	34	39	<1
KWM40+00N 10+50E	6.1	890	<1	26	<1	176	4	29	33	<1
KWM40+00N 10+75E	8.5	660	<1	15	<1	232	4	34	19	<1
KWM40+00N 11+00E	3.4	610	<1	120	<1	148	6	89	156	<1
KWM40+00N 11+25E	5.7	550	<1	88	<1	95	3	68	139	<1
KWM40+00N 11+50E	0.4	260	<1	39	<1	22	2	41	75	<1
KWM40+00N 11+75E	0.2	200	<1	37	<1	14	2	31	70	<1
KWM40+00N 12+00E	0.2	360	<1	50	<1	19	2	44	84	<1
KWM41+00N 00+00E	6.4	730	<1	34	<1	284	6	29	39	<1
KWM41+00N 00+25E	1.5	640	<1	20	<1	207	3	42	28	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO1133318 Order:

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM41+00N 00+50E	1.5	250	<1	70	<1	64	6	45	110	<1
KWM41+00N 00+75E	3.2	540	<1	99	<1	96	10	133	209	1
KWM41+00N 01+00E	0.5	390	<1	74	<1	41	4	85	163	<1
KWM41+00N 01+25E	3.4	860	<1	56	<1	95	4	135	115	<1
KWM41+00N 01+75E	1.5	970	<1	3	<1	72	3	42	6	<1
KWM41+00N 02+00E	1.5	440	<1	12	<1	14	6	70	17	<1
KWM41+00N 02+50E	1.1	590	<1	22	<1	266	3	15	32	<1
KWM41+00N 02+75E	0.8	1000	<1	10	<1	62	1	77	36	<1
KWM41+00N 03+00E	4.3	570	<1	39	<1	67	4	32	54	<1
KWM41+00N 03+25E	4.6	780	<1	132	<1	83	11	96	179	<1
KWM41+00N 03+50E	5.4	790	<1	39	<1	80	11	59	51	<1
KWM41+00N 03+75E	0.8	640	<1	26	<1	100	3	64	34	<1
KWM41+00N 04+00E	1.9	730	<1	20	<1	187	9	47	16	<1
KWM41+00N 00+25W	4.8	610	<1	22	<1	165	7	19	20	1
KWM41+00N 00+50W	11.8	730	<1	12	<1	215	9	17	12	<1
KWM41+00N 00+75W	0.2	120	<1	21	<1	43	<1	12	38	<1
KWM41+00N 01+00W	0.2	90	<1	8	<1	40	<1	12	13	<1
KWM41+00N 02+00W	0.4	560	<1	30	<1	36	2	54	52	<1
KWM41+00N 02+50W	0.5	70	<1	4	<1	46	4	10	7	<1
KWM41+00N 04+25E	0.6	740	<1	22	<1	225	4	70	27	<1
KWM41+00N 04+50E	0.4	60	<1	17	<1	34	2	12	25	<1
KWM41+00N 04+75E	0.3	40	<1	9	<1	22	2	10	20	<1
KWM41+00N 05+00E	2.7	1040	<1	35	<1	58	3	64	65	<1
KWM41+00N 05+25E	2.5	870	<1	13	<1	83	3	13	17	<1
KWM41+00N 05+50E	<0.1	100	<1	7	<1	10	1	10	15	<1
KWM41+00N 05+75E	0.2	80	<1	18	<1	17	1	23	44	<1
KWM41+00N 06+50E	0.4	320	<1	18	<1	18	5	104	33	<1
KWM41+00N 06+75E	0.3	40	<1	7	<1	63	<1	6	14	<1
KWM41+00N 07+00E	0.2	60	<1	8	<1	44	2	10	16	<1
KWM41+00N 07+50E	0.2	150	<1	4	<1	110	1	38	6	<1
KWM41+00N 08+75E	3.6	790	<1	118	<1	61	5	90	176	<1
KWM41+00N 09+00E	3.1	800	<1	126	<1	56	8	102	161	<1
KWM41+00N 09+25E	1.5	670	<1	214	<1	54	5	85	320	<1
KWM41+00N 09+50E	1.1	740	<1	174	<1	58	4	64	238	<1
KWM41+00N 09+75E	0.1	670	<1	8	<1	24	1	93	31	<1
KWM41+00N 10+00E	0.2	140	<1	21	<1	49	1	16	34	<1
KWM41+00N 10+25E	0.6	120	<1	41	<1	24	1	22	73	<1
KWM41+00N 10+50E	10.2	840	<1	43	<1	87	7	47	50	<1
KWM41+00N 10+75E	0.7	180	<1	96	<1	29	3	50	166	<1
KWM41+00N 11+00E	4.6	750	<1	52	<1	83	8	54	59	<1
KWM41+00N 11+25E	0.3	80	<1	20	<1	20	<1	13	45	<1
KWM41+00N 11+50E	9.1	590	<1	75	<1	155	4	63	91	<1
KWM41+00N 11+75E	6.7	610	<1	40	<1	111	5	46	47	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113318 Order:

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM41+00N 12+00E	0.2	570	<1	26	<1	15	3	48	38	<1
*Rep KWM40+00N 01+00E	3.3	540	<1	51	<1	84	2	51	77	<1
*Rep KWM40+00N 07+75E	0.1	150	<1	5	<1	16	<1	8	8	<1
*Rep KWM40+00N 11+25E	4.2	530	<1	84	<1	90	2	84	137	<1
*Rep KWM41+00N 03+00E	3.9	600	<1	37	<1	70	4	32	52	<1
*Rep KWM41+00N 00+75W	0.2	120	<1	23	<1	42	<1	13	42	<1
*Rep KWM41+00N 09+75E	0.1	660	<1	10	<1	24	1	98	34	<1
*Rep KWM41+00N 10+75E	1.2	220	<1	110	<1	28	4	64	176	<1
*Std MMISRM16	0.2	110	28	3	<1	316	<1	10	5	<1
*Std AMIS0169	2.6	120	<1	105	<1	252	1	61	65	1
*Std MMISRM18	0.8	400	15	4	6	157	<1	5	7	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM40+00N 00+25E	440	<1	6	<10	74.9	544	1.2	17	<1	125
KWM40+00N 00+50E	580	<1	4	<10	30.9	1110	0.6	11	<1	111
KWM40+00N 00+75E	870	<1	12	<10	48.8	264	<0.5	27	<1	410
KWM40+00N 01+00E	740	<1	18	<10	32.5	326	<0.5	21	<1	557
KWM40+00N 01+25E	670	<1	23	<10	105	516	1.5	30	<1	553
KWM40+00N 01+50E	450	<1	13	<10	113	603	1.0	23	<1	285
KWM40+00N 01+75E	500	<1	10	<10	57.6	446	1.0	18	<1	291
KWM40+00N 02+00E	360	<1	16	<10	114	455	1.1	32	<1	418
KWM40+00N 02+50E	980	<1	37	<10	90.9	125	0.5	94	<1	1280
KWM40+00N 02+75E	690	<1	8	<10	85.8	849	0.6	21	<1	177
KWM40+00N 03+25E	630	<1	12	<10	51.8	206	0.6	33	<1	355
KWM40+00N 03+50E	1500	<1	12	<10	67.2	101	<0.5	108	<1	348
KWM40+00N 03+75E	680	<1	12	<10	86.6	315	0.7	63	<1	349
KWM40+00N 04+00E	510	<1	3	<10	62.0	347	0.5	50	<1	125
KWM40+00N 04+25E	440	<1	31	<10	100	377	0.6	68	1	1100
KWM40+00N 04+50E	650	<1	29	<10	96.4	209	0.6	101	<1	1070
KWM40+00N 04+75E	590	<1	12	<10	103	309	<0.5	24	<1	329
KWM40+00N 05+00E	580	<1	13	<10	61.2	351	<0.5	14	<1	374
KWM40+00N 05+25E	1180	<1	11	<10	60.3	42	<0.5	21	<1	306
KWM40+00N 05+50E	1970	<1	5	<10	23.4	35	<0.5	29	<1	100
KWM40+00N 06+75E	1610	<1	18	<10	37.3	21	0.9	183	<1	522
KWM40+00N 07+00E	2040	<1	22	<10	22.6	23	0.8	192	<1	1580
KWM40+00N 07+25E	1670	<1	12	<10	14.9	58	<0.5	13	<1	363
KWM40+00N 07+50E	470	<1	8	<10	38.9	184	0.9	23	<1	208
KWM40+00N 07+75E	3620	<1	2	<10	13.3	7	<0.5	30	<1	54
KWM40+00N 08+00E	2650	<1	2	<10	25.9	20	<0.5	24	<1	50
KWM40+00N 08+50E	320	<1	2	<10	17.2	612	<0.5	4	<1	59
KWM40+00N 08+75E	830	<1	2	<10	28.5	607	<0.5	9	<1	39
KWM40+00N 09+00E	1640	<1	5	<10	22.4	134	<0.5	8	<1	123
KWM40+00N 09+25E	1390	<1	25	<10	37.6	38	<0.5	62	<1	793
KWM40+00N 09+50E	1270	<1	19	<10	69.1	114	<0.5	32	<1	543
KWM40+00N 09+75E	520	<1	6	<10	55.5	1660	0.8	19	1	130
KWM40+00N 10+00E	120	<1	4	<10	73.3	889	0.8	16	<1	78
KWM40+00N 10+25E	170	<1	6	<10	48.0	849	0.7	15	<1	138
KWM40+00N 10+50E	240	<1	6	<10	43.4	830	0.5	10	<1	131
KWM40+00N 10+75E	220	<1	4	<10	60.2	516	0.9	14	<1	128
KWM40+00N 11+00E	530	<1	27	<10	105	490	1.3	29	<1	696
KWM40+00N 11+25E	550	<1	28	<10	53.1	347	0.5	22	<1	905
KWM40+00N 11+50E	1750	<1	18	<10	60.6	33	<0.5	31	<1	556
KWM40+00N 11+75E	1950	<1	17	<10	77.9	58	<0.5	41	<1	501
KWM40+00N 12+00E	2290	<1	19	<10	67.0	48	<0.5	45	<1	604
KWM41+00N 00+00E	150	<1	6	<10	44.9	1070	0.6	11	<1	118
KWM41+00N 00+25E	150	<1	6	<10	64.7	349	0.7	17	<1	123

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113916 Order:

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM41+00N 00+50E	1270	<1	22	<10	63.2	108	<0.5	26	<1	610
KWM41+00N 00+75E	480	<1	46	<10	124	213	0.7	59	<1	1270
KWM41+00N 01+00E	1330	<1	36	<10	51.0	25	<0.5	83	<1	1080
KWM41+00N 01+25E	620	<1	32	<10	69.2	144	0.6	74	<1	1200
KWM41+00N 01+75E	630	<1	3	<10	28.7	106	0.6	53	<1	188
KWM41+00N 02+00E	1410	<1	4	<10	47.3	102	<0.5	83	<1	129
KWM41+00N 02+50E	1680	<1	7	<10	30.1	59	1.9	14	<1	137
KWM41+00N 02+75E	570	<1	22	<10	37.6	113	<0.5	38	<1	828
KWM41+00N 03+00E	720	<1	10	<10	35.9	413	<0.5	14	<1	241
KWM41+00N 03+25E	290	<1	33	<10	127	306	0.8	38	<1	735
KWM41+00N 03+50E	900	<1	9	<10	54.1	760	<0.5	17	<1	247
KWM41+00N 03+75E	2320	<1	8	<10	104	103	<0.5	36	<1	162
KWM41+00N 04+00E	1280	<1	3	<10	91.6	47	1.5	53	<1	79
KWM41+00N 00+25W	340	<1	3	<10	39.0	768	<0.5	8	<1	81
KWM41+00N 00+50W	290	<1	2	<10	36.0	721	0.6	8	<1	42
KWM41+00N 00+75W	2470	<1	8	<10	19.7	19	<0.5	40	<1	238
KWM41+00N 01+00W	2230	<1	3	<10	6.6	12	<0.5	75	<1	110
KWM41+00N 02+00W	1790	<1	13	<10	44.7	36	0.6	97	<1	434
KWM41+00N 02+50W	1460	<1	1	<10	8.3	55	0.7	11	<1	47
KWM41+00N 04+25E	50	<1	7	<10	64.4	120	1.2	28	<1	168
KWM41+00N 04+50E	2770	<1	4	<10	27.7	19	<0.5	41	<1	106
KWM41+00N 04+75E	1980	<1	4	<10	16.6	18	<0.5	42	<1	108
KWM41+00N 05+00E	300	<1	18	<10	62.3	239	<0.5	25	<1	486
KWM41+00N 05+25E	620	<1	3	<10	28.1	268	<0.5	9	<1	80
KWM41+00N 05+50E	3570	<1	4	<10	18.1	8	<0.5	85	<1	107
KWM41+00N 05+75E	2190	<1	10	<10	39.8	26	<0.5	36	<1	292
KWM41+00N 06+50E	1530	<1	9	<10	50.2	39	<0.5	54	<1	266
KWM41+00N 06+75E	1730	<1	3	<10	26.9	25	<0.5	17	<1	52
KWM41+00N 07+00E	1520	<1	3	<10	24.2	7	<0.5	26	<1	81
KWM41+00N 07+50E	2560	<1	2	<10	7.2	18	1.0	81	<1	125
KWM41+00N 08+75E	670	<1	34	<10	104	227	0.8	32	<1	833
KWM41+00N 09+00E	500	<1	30	<10	143	311	0.6	32	<1	806
KWM41+00N 09+25E	1420	<1	59	<10	123	213	<0.5	54	<1	1560
KWM41+00N 09+50E	1550	<1	45	<10	105	149	0.6	47	<1	1060
KWM41+00N 09+75E	2630	<1	15	<10	16.2	12	<0.5	176	<1	864
KWM41+00N 10+00E	2290	<1	7	<10	29.2	20	<0.5	62	<1	192
KWM41+00N 10+25E	1730	<1	14	<10	45.8	28	<0.5	27	<1	413
KWM41+00N 10+50E	540	<1	8	<10	72.1	734	<0.5	18	<1	210
KWM41+00N 10+75E	1350	<1	31	<10	100	55	<0.5	40	<1	947
KWM41+00N 11+00E	640	<1	11	<10	67.2	602	0.6	21	<1	264
KWM41+00N 11+25E	1570	<1	9	<10	27.3	12	<0.5	26	<1	269
KWM41+00N 11+50E	370	<1	17	<10	59.0	1300	0.7	21	<1	495
KWM41+00N 11+75E	470	<1	8	<10	87.2	741	0.6	17	<1	234

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearence of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM41+00N 12+00E	2040	<1	8	<10	31.2	16	<0.5	299	<1	279
*Rep KWM40+00N 01+00E	700	<1	17	<10	35.7	384	<0.5	22	<1	509
*Rep KWM40+00N 07+75E	3680	<1	2	<10	13.4	28	<0.5	34	<1	57
*Rep KWM40+00N 11+25E	650	<1	27	<10	47.2	342	<0.5	22	<1	897
*Rep KWM41+00N 03+00E	770	<1	10	<10	35.0	372	<0.5	14	<1	243
*Rep KWM41+00N 00+75W	2320	<1	9	<10	22.3	14	<0.5	41	<1	242
*Rep KWM41+00N 09+75E	2640	<1	14	<10	17.6	12	<0.5	181	<1	759
*Rep KWM41+00N 10+75E	1270	<1	34	<10	101	64	<0.5	41	<1	1010
*Std MMISRM16	500	<1	<1	<10	23.1	25	<0.5	46	<1	11
*Std AMIS0169	90	<1	7	<10	78.4	417	1.3	25	1	134
*Std MMISRM18	1180	<1	<1	<10	26.1	12	<0.5	29	<1	28
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM40+00N 00+25E	8	870	177
KWM40+00N 00+50E	6	380	107
KWM40+00N 00+75E	26	1030	136
KWM40+00N 01+00E	26	330	96
KWM40+00N 01+25E	28	340	143
KWM40+00N 01+50E	17	450	218
KWM40+00N 01+75E	17	350	102
KWM40+00N 02+00E	24	1160	167
KWM40+00N 02+50E	81	420	98
KWM40+00N 02+75E	11	550	161
KWM40+00N 03+25E	22	910	113
KWM40+00N 03+50E	23	870	103
KWM40+00N 03+75E	23	1910	192
KWM40+00N 04+00E	14	710	168
KWM40+00N 04+25E	69	1060	140
KWM40+00N 04+50E	68	870	160
KWM40+00N 04+75E	19	810	140
KWM40+00N 05+00E	21	730	104
KWM40+00N 05+25E	15	430	50
KWM40+00N 05+50E	5	200	32
KWM40+00N 06+75E	31	1820	55
KWM40+00N 07+00E	83	2840	38
KWM40+00N 07+25E	13	30	34
KWM40+00N 07+50E	11	630	66
KWM40+00N 07+75E	3	390	10
KWM40+00N 08+00E	2	780	17
KWM40+00N 08+50E	3	640	81
KWM40+00N 08+75E	3	1730	96
KWM40+00N 09+00E	6	80	40
KWM40+00N 09+25E	45	300	42
KWM40+00N 09+50E	28	300	75
KWM40+00N 09+75E	10	550	204
KWM40+00N 10+00E	7	350	232
KWM40+00N 10+25E	8	930	143
KWM40+00N 10+50E	8	240	144
KWM40+00N 10+75E	11	490	185
KWM40+00N 11+00E	40	440	136
KWM40+00N 11+25E	44	450	141
KWM40+00N 11+50E	36	410	55
KWM40+00N 11+75E	31	320	45
KWM40+00N 12+00E	39	330	77
KWM41+00N 00+00E	7	230	184
KWM41+00N 00+25E	9	820	156

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM41+00N 00+50E	29	360	64
KWM41+00N 00+75E	62	630	107
KWM41+00N 01+00E	58	1470	57
KWM41+00N 01+25E	66	1430	122
KWM41+00N 01+75E	18	1550	45
KWM41+00N 02+00E	10	740	96
KWM41+00N 02+50E	7	520	49
KWM41+00N 02+75E	48	900	26
KWM41+00N 03+00E	13	430	89
KWM41+00N 03+25E	33	550	147
KWM41+00N 03+50E	15	380	144
KWM41+00N 03+75E	10	80	71
KWM41+00N 04+00E	4	140	145
KWM41+00N 00+25W	4	260	197
KWM41+00N 00+50W	3	450	125
KWM41+00N 00+75W	10	100	21
KWM41+00N 01+00W	6	170	28
KWM41+00N 02+00W	33	1470	65
KWM41+00N 02+50W	3	1100	21
KWM41+00N 04+25E	9	50	89
KWM41+00N 04+50E	6	400	31
KWM41+00N 04+75E	5	210	18
KWM41+00N 05+00E	23	740	63
KWM41+00N 05+25E	4	600	58
KWM41+00N 05+50E	6	160	12
KWM41+00N 05+75E	14	200	19
KWM41+00N 06+50E	19	1380	88
KWM41+00N 06+75E	2	310	18
KWM41+00N 07+00E	4	290	19
KWM41+00N 07+50E	9	12100	25
KWM41+00N 08+75E	37	500	128
KWM41+00N 09+00E	44	630	156
KWM41+00N 09+25E	73	270	125
KWM41+00N 09+50E	46	250	94
KWM41+00N 09+75E	70	1100	27
KWM41+00N 10+00E	11	670	52
KWM41+00N 10+25E	20	270	41
KWM41+00N 10+50E	15	580	202
KWM41+00N 10+75E	54	380	54
KWM41+00N 11+00E	16	390	157
KWM41+00N 11+25E	12	190	13
KWM41+00N 11+50E	28	710	236
KWM41+00N 11+75E	16	920	200

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113318 Order

Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
KWM41+00N 12+00E	18	340	41
*Rep KWM40+00N 01+00E	25	340	98
*Rep KWM40+00N 07+75E	3	450	10
*Rep KWM40+00N 11+25E	44	470	138
*Rep KWM41+00N 03+00E	13	400	83
*Rep KWM41+00N 00+75W	10	100	22
*Rep KWM41+00N 09+75E	59	1090	30
*Rep KWM41+00N 10+75E	59	460	62
*Std MMISRM16	<1	250	19
*Std AMIS0169	10	230	55
*Std MMISRM18	1	740	32
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Certificate of Analysis

Work Order: TO113316

Date: Jan 19, 2011

To: **Aaron Higgs**
TerraLogic Exploration Inc.
44-12th Avenue South,
Suite 200,
CRANBROOK
BC V1C 2R7

P.O. No.	:	-
Project No.	:	-
No. Of Samples	:	55
Date Submitted	:	Dec 14, 2010
Report Comprises	:	Pages 1 to 13 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM37+00N 00+50E	62	10	<10	<0.1	4400	<1	530	70	47	30
KWM37+00N 00+75E	39	10	40	<0.1	2430	<1	440	86	66	101
KWM37+00N 01+00E	33	60	30	<0.1	4660	<1	340	83	332	316
KWM37+00N 01+25E	24	50	<10	0.2	3060	<1	600	92	73	66
KWM37+00N 01+50E	50	7	10	<0.1	3850	<1	500	59	30	28
KWM37+00N 01+75E	29	42	<10	0.2	3060	<1	650	33	41	36
KWM37+00N 02+00E	35	11	<10	0.2	13200	<1	610	18	33	23
KWM37+00N 02+25E	69	21	10	0.3	10800	<1	440	45	402	212
KWM37+00N 02+50E	14	187	90	<0.1	4280	2	140	49	263	118
KWM37+00N 02+75E	16	>300	80	0.1	5730	2	10	30	200	413
KWM37+00N 03+00E	10	>300	40	0.1	4520	1	90	32	228	147
KWM37+00N 03+25E	49	>300	40	0.2	5400	<1	80	67	484	189
KWM37+00N 04+50E	11	>300	30	0.1	3460	1	100	110	106	56
KWM37+00N 04+75E	34	200	50	0.1	7470	2	120	167	84	766
KWM37+00N 05+00E	38	254	60	0.2	6510	1	110	42	335	923
KWM37+00N 05+25E	41	>300	40	0.1	4150	1	60	104	217	389
KWM37+00N 05+50E	24	>300	20	0.1	3100	1	80	109	165	326
KWM37+00N 05+75E	14	>300	140	0.1	4290	3	90	41	535	364
KWM37+00N 06+00E	35	>300	50	0.1	3350	1	60	54	232	152
KWM37+00N 06+25E	4	>300	<10	<0.1	1380	<1	20	3	6	71
KWM37+00N 06+50E	3	>300	<10	<0.1	1210	<1	30	22	10	24
KWM37+00N 06+75E	4	>300	40	<0.1	1240	<1	10	5	292	17
KWM37+00N 07+00E	13	116	<10	0.1	3180	<1	500	25	101	186
KWM37+00N 08+00E	22	94	<10	0.2	8820	<1	460	123	65	379
KWM37+00N 08+25E	33	85	50	0.1	16200	<1	350	53	573	50
KWM37+00N 08+50E	42	133	30	0.2	8930	<1	430	34	452	53
KWM37+00N 09+50E	91	23	<10	0.4	6100	<1	640	69	90	279
KWM37+00N 09+75E	96	12	<10	3.1	6280	<1	420	12	49	5
KWM37+00N 10+00E	15	69	30	0.2	5880	<1	270	16	229	146
KWM37+00N 10+25E	44	30	10	0.2	2860	<1	500	58	183	180
KWM37+00N 11+75E	25	85	40	0.2	7030	2	360	127	387	252
KWM37+00N 12+25E	52	140	<10	0.3	8160	<1	430	212	221	129
KWM37+00N 12+50E	20	155	20	0.3	6980	1	370	60	317	147
KWM37+00N 12+75E	14	117	50	0.1	8280	<1	340	28	300	67
KWM37+00N 13+00E	5	168	10	0.1	11300	<1	300	4	9	388
KWM38+00N 00+00E	41	103	<10	0.2	6530	<1	680	79	96	193
KWM38+00N 00+25E	60	33	10	0.1	3900	<1	660	55	83	95
KWM38+00N 00+50E	91	42	10	0.3	4750	<1	770	69	71	161
KWM38+00N 00+75E	65	85	<10	0.2	9940	<1	910	94	150	15
KWM38+00N 02+00E	44	100	<10	0.2	10100	<1	650	40	213	89
KWM38+00N 02+25E	65	62	10	0.2	10300	<1	730	37	194	287
KWM38+00N 02+50E	75	71	10	0.3	9070	<1	650	46	378	347
KWM38+00N 03+25E	12	156	20	0.1	7730	<1	490	13	166	134

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractuel settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
KWM38+00N 03+50E	17	>300	40	<0.1	5280	1	30	26	142	82
KWM38+00N 03+75E	27	251	50	0.2	8500	1	200	57	349	633
KWM38+00N 04+00E	58	113	30	0.2	22400	<1	410	40	697	28
KWM38+00N 04+25E	31	>300	70	0.3	6520	1	40	122	487	953
KWM38+00N 04+50E	45	>300	70	0.4	10200	<1	120	128	661	515
KWM38+00N 04+75E	43	297	40	0.2	12200	<1	220	58	486	174
KWM38+00N 05+00E	25	272	60	0.2	12600	<1	250	44	538	115
KWM38+00N 05+25E	45	173	10	0.2	12800	<1	410	67	222	270
KWM38+00N 05+50E	31	159	<10	0.2	8740	<1	620	134	176	187
KWM38+00N 05+75E	72	45	10	0.3	7500	<1	720	27	167	114
KWM38+00N 06+00E	52	215	50	0.3	13800	<1	260	29	713	1090
*Rep KWM37+00N 02+00E	32	9	<10	0.3	12600	<1	560	14	32	21
*Rep KWM37+00N 07+00E	13	112	<10	0.1	2940	<1	500	24	107	106
*Rep KWM37+00N 11+75E	20	90	40	0.4	6670	1	300	126	226	526
*Rep KWM38+00N 03+25E	14	133	20	0.1	8460	<1	530	11	150	63
*Rep KWM38+00N 06+00E	51	203	50	0.4	16400	<1	330	29	896	976
*Std MMISRM16	18	45	10	23.2	80	<1	210	4	19	57
*Std AMIS0169	11	95	20	0.4	1150	<1	50	3	1000	146
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5
KWM38+00N 00+25W	45	48	10	0.1	6280	<1	710	42	119	65
*Rep KWM38+00N 00+25W	41	53	20	0.2	5490	<1	680	43	124	186

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM37+00N 00+50E	<100	1.0	1730	21	9.7	6.9	9	<1	28	<1
KWM37+00N 00+75E	<100	1.4	2230	25	12.2	7.2	55	2	31	<1
KWM37+00N 01+00E	<100	1.9	1640	36	17.6	11.4	109	6	44	<1
KWM37+00N 01+25E	<100	<0.5	960	13	5.9	4.1	40	2	17	<1
KWM37+00N 01+50E	<100	1.5	550	10	4.6	3.8	11	<1	13	<1
KWM37+00N 01+75E	<100	<0.5	920	7	2.9	2.8	15	1	11	<1
KWM37+00N 02+00E	<100	0.8	960	7	2.7	3.5	11	<1	10	<1
KWM37+00N 02+25E	<100	0.6	1980	72	33.6	25.6	29	5	104	1
KWM37+00N 02+50E	<100	3.7	300	29	11.4	10.2	176	16	39	<1
KWM37+00N 02+75E	100	5.8	570	39	17.8	9.5	286	12	41	<1
KWM37+00N 03+00E	<100	2.0	440	39	18.8	11.4	181	16	47	<1
KWM37+00N 03+25E	<100	6.7	690	102	43.9	26.5	142	10	111	<1
KWM37+00N 04+50E	<100	0.6	990	58	27.7	9.7	192	7	47	<1
KWM37+00N 04+75E	<100	1.3	1670	67	43.8	6.7	378	5	31	<1
KWM37+00N 05+00E	<100	0.9	1420	102	53.9	20.6	210	11	90	<1
KWM37+00N 05+25E	<100	2.7	1680	129	62.2	14.3	238	6	69	<1
KWM37+00N 05+50E	<100	1.1	1620	111	53.6	16.6	153	13	83	<1
KWM37+00N 05+75E	200	5.5	800	87	36.1	22.8	318	17	96	<1
KWM37+00N 06+00E	100	6.8	390	24	10.9	9.0	181	20	31	<1
KWM37+00N 06+25E	100	<0.5	100	4	4.0	<0.5	65	3	1	<1
KWM37+00N 06+50E	100	<0.5	120	12	7.1	1.4	55	11	7	<1
KWM37+00N 06+75E	<100	8.2	190	15	7.2	5.1	140	23	22	<1
KWM37+00N 07+00E	<100	0.6	900	18	8.2	5.0	82	5	20	<1
KWM37+00N 08+00E	<100	<0.5	4840	34	21.5	6.3	293	3	28	<1
KWM37+00N 08+25E	<100	0.7	2270	133	57.0	39.4	82	8	170	<1
KWM37+00N 08+50E	<100	0.7	2520	116	55.6	28.6	129	5	128	<1
KWM37+00N 09+50E	<100	3.1	2440	46	24.2	11.3	17	3	48	<1
KWM37+00N 09+75E	<100	2.1	270	10	4.3	3.9	7	<1	13	<1
KWM37+00N 10+00E	<100	1.0	880	35	16.2	10.3	101	4	41	<1
KWM37+00N 10+25E	<100	<0.5	3630	37	19.2	10.6	60	2	44	<1
KWM37+00N 11+75E	<100	1.0	5340	76	40.5	19.1	277	5	78	<1
KWM37+00N 12+25E	<100	4.1	7550	150	86.8	23.8	237	4	113	<1
KWM37+00N 12+50E	<100	1.1	3310	83	40.5	19.5	209	6	81	<1
KWM37+00N 12+75E	<100	1.0	1070	42	17.5	12.6	161	6	48	<1
KWM37+00N 13+00E	<100	0.5	3400	3	5.0	1.3	446	1	1	<1
KWM38+00N 00+00E	<100	0.6	1980	14	7.3	4.8	47	4	18	<1
KWM38+00N 00+25E	<100	0.9	1430	18	7.9	5.9	40	2	24	<1
KWM38+00N 00+50E	<100	<0.5	2330	14	6.4	4.3	60	2	17	<1
KWM38+00N 00+75E	<100	<0.5	1950	53	26.6	13.7	67	2	58	<1
KWM38+00N 02+00E	<100	<0.5	1170	33	13.8	11.4	44	3	44	<1
KWM38+00N 02+25E	<100	<0.5	2170	13	6.1	5.3	67	4	18	<1
KWM38+00N 02+50E	<100	<0.5	3100	59	28.7	18.3	110	5	74	<1
KWM38+00N 03+25E	<100	1.7	520	34	15.7	11.7	82	8	45	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO115316 Order:

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
KWM38+00N 03+50E	100	1.2	320	13	5.3	4.5	328	18	16	<1
KWM38+00N 03+75E	<100	1.0	930	71	32.6	19.8	241	12	85	<1
KWM38+00N 04+00E	<100	1.0	1290	174	72.7	53.4	60	8	230	<1
KWM38+00N 04+25E	100	4.4	1760	122	57.1	25.3	288	15	110	<1
KWM38+00N 04+50E	100	1.0	2460	249	116	55.6	201	13	253	<1
KWM38+00N 04+75E	<100	1.4	520	100	39.9	32.2	147	12	136	<1
KWM38+00N 05+00E	<100	1.7	530	80	31.0	27.2	138	13	113	<1
KWM38+00N 05+25E	<100	0.6	1770	77	38.3	17.8	178	5	82	<1
KWM38+00N 05+50E	<100	0.8	2050	115	56.6	20.0	123	3	100	<1
KWM38+00N 05+75E	<100	1.3	2200	26	11.0	9.5	40	4	40	<1
KWM38+00N 06+00E	<100	2.8	1440	86	31.7	26.1	193	10	105	<1
*Rep KWM37+00N 02+00E	<100	0.7	900	7	2.6	3.4	9	<1	10	<1
*Rep KWM37+00N 07+00E	<100	0.6	740	16	8.0	4.7	78	4	19	<1
*Rep KWM37+00N 11+75E	<100	1.2	8190	58	32.5	12.5	501	4	50	<1
*Rep KWM38+00N 03+25E	<100	1.8	450	30	14.5	11.1	57	5	42	<1
*Rep KWM38+00N 06+00E	<100	2.7	1340	104	40.0	33.0	139	11	133	<1
*Std MMISRM16	<100	11.7	640	3	1.2	1.3	1	<1	5	15
*Std AMIS0169	100	10.3	5500	35	14.5	13.7	64	21	51	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
KWM38+00N 00+25W	<100	0.9	2440	22	10.7	7.3	86	2	28	<1
*Rep KWM38+00N 00+25W	<100	0.8	2880	21	9.9	6.5	103	2	24	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM37+00N 00+50E	<0.5	15.4	24	10	45	2530	14	<0.5	56	424
KWM37+00N 00+75E	<0.5	18.9	33	8	48	7430	20	<0.5	69	574
KWM37+00N 01+00E	<0.5	11.5	125	18	16	23400	8	0.7	164	698
KWM37+00N 01+25E	<0.5	14.2	29	14	24	6090	5	<0.5	52	688
KWM37+00N 01+50E	<0.5	24.7	15	12	23	3290	8	<0.5	30	232
KWM37+00N 01+75E	<0.5	8.2	13	<5	54	2310	<5	<0.5	30	354
KWM37+00N 02+00E	<0.5	8.5	9	<5	21	1530	6	<0.5	23	152
KWM37+00N 02+25E	<0.5	10.1	168	<5	18	24500	10	<0.5	314	511
KWM37+00N 02+50E	<0.5	35.9	100	<5	15	4550	9	3.2	165	118
KWM37+00N 02+75E	0.6	18.3	75	8	5	10200	6	3.0	119	334
KWM37+00N 03+00E	<0.5	16.8	93	<5	8	4610	<5	2.3	154	293
KWM37+00N 03+25E	<0.5	18.0	185	<5	3	6180	<5	1.6	319	357
KWM37+00N 04+50E	<0.5	23.7	36	<5	12	5010	<5	0.9	96	484
KWM37+00N 04+75E	<0.5	27.0	35	<5	17	18900	6	1.5	58	698
KWM37+00N 05+00E	<0.5	45.2	116	<5	12	63000	7	1.5	219	727
KWM37+00N 05+25E	<0.5	25.8	94	<5	8	18900	<5	1.5	141	435
KWM37+00N 05+50E	<0.5	26.2	49	<5	10	9470	<5	1.3	162	665
KWM37+00N 05+75E	<0.5	24.4	218	<5	5	9910	11	4.6	306	301
KWM37+00N 06+00E	<0.5	26.8	102	<5	4	7570	6	4.4	139	112
KWM37+00N 06+25E	<0.5	4.7	3	<5	3	50	<5	<0.5	4	61
KWM37+00N 06+50E	<0.5	8.8	5	<5	2	180	<5	<0.5	13	32
KWM37+00N 06+75E	<0.5	14.0	121	<5	2	550	<5	2.2	154	15
KWM37+00N 07+00E	<0.5	22.3	35	<5	53	23200	<5	0.8	63	293
KWM37+00N 08+00E	<0.5	6.1	25	9	49	23700	8	<0.5	50	3720
KWM37+00N 08+25E	<0.5	15.4	214	<5	35	3280	7	<0.5	418	1630
KWM37+00N 08+50E	<0.5	8.3	191	8	37	2260	<5	<0.5	330	935
KWM37+00N 09+50E	<0.5	22.8	35	12	44	6670	10	0.7	77	484
KWM37+00N 09+75E	<0.5	17.5	11	8	34	1060	<5	<0.5	28	97
KWM37+00N 10+00E	<0.5	9.5	90	<5	15	7270	6	<0.5	125	214
KWM37+00N 10+25E	<0.5	6.5	73	<5	47	12000	28	<0.5	128	772
KWM37+00N 11+75E	0.6	6.4	159	<5	46	12000	19	1.3	238	1410
KWM37+00N 12+25E	1.0	9.4	104	<5	62	1540	6	1.5	209	3460
KWM37+00N 12+50E	<0.5	9.5	134	<5	25	12300	8	1.0	226	841
KWM37+00N 12+75E	<0.5	7.9	131	<5	32	3900	9	1.0	173	266
KWM37+00N 13+00E	<0.5	12.6	3	<5	45	8730	<5	0.6	5	946
KWM38+00N 00+00E	<0.5	11.4	33	<5	108	46100	22	0.6	58	1070
KWM38+00N 00+25E	<0.5	12.1	38	12	73	7300	11	<0.5	68	487
KWM38+00N 00+50E	<0.5	15.0	25	7	79	11700	18	<0.5	46	465
KWM38+00N 00+75E	<0.5	10.1	62	21	102	1550	<5	<0.5	123	3150
KWM38+00N 02+00E	<0.5	7.8	69	<5	65	21500	7	<0.5	131	765
KWM38+00N 02+25E	<0.5	11.0	38	6	55	52900	16	0.7	69	573
KWM38+00N 02+50E	<0.5	9.8	161	20	27	25900	8	<0.5	251	1280
KWM38+00N 03+25E	<0.5	15.6	95	<5	20	9120	8	0.9	154	174

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
KWM38+00N 03+50E	<0.5	20.0	79	<5	3	1640	8	5.7	70	69
KWM38+00N 03+75E	<0.5	21.3	126	<5	16	23600	9	2.2	245	536
KWM38+00N 04+00E	<0.5	15.2	281	<5	42	1740	5	<0.5	609	930
KWM38+00N 04+25E	<0.5	23.1	171	7	8	43400	8	2.6	273	813
KWM38+00N 04+50E	<0.5	21.4	244	<5	17	34800	6	1.5	565	1050
KWM38+00N 04+75E	<0.5	7.3	198	<5	18	5640	5	1.7	385	509
KWM38+00N 05+00E	<0.5	29.6	216	<5	20	4500	6	1.6	356	325
KWM38+00N 05+25E	<0.5	12.0	85	<5	28	21700	<5	0.7	183	1240
KWM38+00N 05+50E	<0.5	21.1	80	<5	42	13900	<5	<0.5	174	1400
KWM38+00N 05+75E	<0.5	25.0	64	8	22	12600	14	1.6	125	482
KWM38+00N 06+00E	<0.5	23.8	263	<5	24	57700	6	1.2	385	414
*Rep KWM37+00N 02+00E	<0.5	7.6	9	<5	19	1370	6	<0.5	21	138
*Rep KWM37+00N 07+00E	<0.5	21.3	36	<5	51	12900	<5	1.0	63	242
*Rep KWM37+00N 11+75E	0.7	8.7	90	<5	50	19300	26	1.3	146	1800
*Rep KWM38+00N 03+25E	<0.5	15.2	79	<5	20	5890	7	0.7	139	161
*Rep KWM38+00N 06+00E	<0.5	24.1	344	<5	32	49800	6	1.1	490	460
*Std MMISRM16	<0.5	33.9	4	<5	32	110	45	<0.5	17	241
*Std AMIS0169	<0.5	62.6	565	<5	49	6030	6	4.2	482	603
*Blk BLANK	<0.5	0.3	<1	<5	<1	30	<5	<0.5	<1	<5
*Blk BLANK	<0.5	0.4	<1	<5	<1	20	<5	<0.5	<1	<5
KWM38+00N 00+25W	<0.5	12.6	56	6	99	5060	14	<0.5	85	635
*Rep KWM38+00N 00+25W	<0.5	11.9	57	6	94	15300	18	<0.5	86	628

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM37+00N 00+50E	0.1	50	<1	10	<1	29	<1	15	20	<1
KWM37+00N 00+75E	0.5	100	<1	13	<1	29	6	21	22	<1
KWM37+00N 01+00E	1.2	220	<1	37	<1	47	7	35	39	<1
KWM37+00N 01+25E	0.3	70	<1	11	<1	44	2	9	14	<1
KWM37+00N 01+50E	0.2	40	<1	5	<1	17	<1	12	9	<1
KWM37+00N 01+75E	0.2	50	<1	6	<1	27	<1	6	9	<1
KWM37+00N 02+00E	0.2	100	<1	4	<1	41	<1	7	7	<1
KWM37+00N 02+25E	0.3	100	<1	62	<1	20	3	48	83	<1
KWM37+00N 02+50E	6.5	820	<1	35	<1	158	5	35	40	<1
KWM37+00N 02+75E	7.3	900	<1	25	<1	225	6	48	35	<1
KWM37+00N 03+00E	5.4	610	<1	32	<1	139	3	46	42	<1
KWM37+00N 03+25E	3.4	670	<1	65	<1	203	5	104	97	<1
KWM37+00N 04+50E	3.6	1230	<1	17	<1	42	4	40	33	<1
KWM37+00N 04+75E	5.0	610	<1	12	<1	80	6	116	19	<1
KWM37+00N 05+00E	6.0	420	<1	45	<1	26	7	145	68	<1
KWM37+00N 05+25E	8.1	900	<1	30	<1	114	4	128	46	<1
KWM37+00N 05+50E	5.6	990	<1	28	<1	133	2	77	56	<1
KWM37+00N 05+75E	8.6	1240	<1	68	<1	199	14	72	87	<1
KWM37+00N 06+00E	4.2	830	<1	31	<1	284	4	50	34	<1
KWM37+00N 06+25E	0.4	210	<1	<1	<1	72	<1	10	<1	<1
KWM37+00N 06+50E	0.2	100	<1	2	<1	32	<1	11	4	<1
KWM37+00N 06+75E	1.7	1170	<1	37	<1	222	12	26	29	1
KWM37+00N 07+00E	0.3	150	<1	13	<1	60	2	20	17	<1
KWM37+00N 08+00E	0.4	420	<1	10	<1	11	10	95	17	<1
KWM37+00N 08+25E	1.0	310	<1	83	<1	26	9	70	130	<1
KWM37+00N 08+50E	0.9	590	<1	69	<1	48	6	138	99	<1
KWM37+00N 09+50E	0.2	190	<1	15	<1	30	11	37	26	<1
KWM37+00N 09+75E	0.1	110	<1	5	<1	41	2	6	9	<1
KWM37+00N 10+00E	1.1	300	<1	28	<1	36	5	26	34	<1
KWM37+00N 10+25E	0.3	140	<1	27	<1	21	7	28	36	<1
KWM37+00N 11+75E	0.9	550	<1	52	<1	38	11	144	63	<1
KWM37+00N 12+25E	0.5	1430	<1	41	<1	110	3	272	74	<1
KWM37+00N 12+50E	1.2	640	<1	48	<1	68	3	125	64	<1
KWM37+00N 12+75E	2.3	420	<1	40	<1	52	6	57	46	<1
KWM37+00N 13+00E	0.7	<10	<1	1	<1	17	2	29	1	<1
KWM38+00N 00+00E	0.4	40	<1	12	<1	51	3	14	16	<1
KWM38+00N 00+25E	0.4	60	<1	13	<1	27	2	17	20	<1
KWM38+00N 00+50E	0.2	80	<1	9	<1	13	2	16	14	<1
KWM38+00N 00+75E	0.2	280	<1	25	<1	14	<1	35	42	<1
KWM38+00N 02+00E	0.4	90	<1	27	<1	26	1	17	38	<1
KWM38+00N 02+25E	0.4	60	<1	15	<1	20	2	17	16	<1
KWM38+00N 02+50E	0.4	140	<1	55	<1	20	3	56	67	<1
KWM38+00N 03+25E	1.2	280	<1	32	<1	131	2	26	40	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM38+00N 03+50E	8.4	330	<1	17	<1	143	3	25	17	<1
KWM38+00N 03+75E	7.3	590	<1	50	<1	78	7	74	72	<1
KWM38+00N 04+00E	1.0	280	<1	118	<1	39	4	58	193	<1
KWM38+00N 04+25E	6.7	580	<1	60	<1	145	8	125	85	<1
KWM38+00N 04+50E	4.6	830	<1	109	<1	59	7	231	192	<1
KWM38+00N 04+75E	4.4	660	<1	76	<1	236	4	66	118	<1
KWM38+00N 05+00E	4.5	630	<1	74	<1	163	6	55	102	<1
KWM38+00N 05+25E	1.1	380	<1	35	<1	94	3	75	61	<1
KWM38+00N 05+50E	0.5	380	<1	34	<1	88	1	108	64	<1
KWM38+00N 05+75E	0.5	50	<1	25	<1	82	2	21	34	<1
KWM38+00N 06+00E	3.4	440	<1	66	<1	127	6	82	99	<1
*Rep KWM37+00N 02+00E	0.2	100	<1	4	<1	38	<1	7	7	<1
*Rep KWM37+00N 07+00E	0.3	150	<1	14	<1	69	2	17	17	<1
*Rep KWM37+00N 11+75E	0.9	430	<1	31	<1	45	12	163	42	<1
*Rep KWM38+00N 03+25E	0.9	230	<1	27	<1	139	2	20	38	<1
*Rep KWM38+00N 06+00E	2.6	380	<1	110	<1	113	6	91	128	<1
*Std MMISRM16	0.2	110	27	3	<1	298	<1	8	5	<1
*Std AMIS0169	3.7	110	<1	127	<1	325	<1	86	77	1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
KWM38+00N 00+25W	0.6	50	<1	19	<1	35	3	25	23	<1
*Rep KWM38+00N 00+25W	0.5	70	<1	18	<1	31	5	27	22	<1

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM37+00N 00+50E	1970	<1	4	<10	18.0	4	<0.5	36	<1	130
KWM37+00N 00+75E	1590	<1	4	<10	40.2	67	0.5	38	<1	143
KWM37+00N 01+00E	1370	<1	7	<10	47.6	62	0.6	27	<1	209
KWM37+00N 01+25E	2130	<1	2	<10	10.8	10	<0.5	30	<1	84
KWM37+00N 01+50E	1950	<1	2	<10	7.1	12	<0.5	4	<1	65
KWM37+00N 01+75E	2250	<1	2	<10	10.1	15	<0.5	16	<1	43
KWM37+00N 02+00E	2510	<1	1	<10	10.3	16	<0.5	10	<1	34
KWM37+00N 02+25E	1740	<1	14	<10	77.2	9	<0.5	31	<1	443
KWM37+00N 02+50E	660	<1	6	<10	49.6	881	0.5	11	<1	143
KWM37+00N 02+75E	160	<1	7	<10	99.5	783	1.0	15	<1	200
KWM37+00N 03+00E	510	<1	7	<10	43.7	833	<0.5	11	<1	230
KWM37+00N 03+25E	340	<1	18	<10	96.0	400	0.9	21	<1	534
KWM37+00N 04+50E	590	<1	9	<10	61.5	256	<0.5	22	<1	377
KWM37+00N 04+75E	760	<1	8	<10	58.4	228	<0.5	45	<1	444
KWM37+00N 05+00E	540	<1	17	<10	95.6	375	<0.5	50	<1	628
KWM37+00N 05+25E	390	<1	18	<10	78.5	300	<0.5	46	<1	727
KWM37+00N 05+50E	720	<1	17	<10	44.1	470	0.6	24	<1	755
KWM37+00N 05+75E	360	<1	16	<10	99.4	1210	0.9	26	<1	444
KWM37+00N 06+00E	350	<1	5	<10	50.4	1190	<0.5	12	<1	121
KWM37+00N 06+25E	340	<1	<1	<10	4.0	56	<0.5	2	<1	30
KWM37+00N 06+50E	400	<1	2	<10	3.0	63	<0.5	1	<1	107
KWM37+00N 06+75E	170	<1	3	<10	63.0	457	0.6	7	<1	87
KWM37+00N 07+00E	2190	<1	3	<10	14.3	50	<0.5	14	<1	109
KWM37+00N 08+00E	3540	<1	5	<10	23.2	43	<0.5	70	<1	273
KWM37+00N 08+25E	2040	<1	25	<10	84.3	90	<0.5	41	<1	758
KWM37+00N 08+50E	2180	<1	21	<10	89.5	79	<0.5	94	<1	713
KWM37+00N 09+50E	2960	<1	8	<10	36.1	173	<0.5	55	<1	278
KWM37+00N 09+75E	2210	<1	2	<10	17.8	6	<0.5	31	<1	51
KWM37+00N 10+00E	1140	<1	7	<10	54.1	94	<0.5	21	<1	174
KWM37+00N 10+25E	2140	<1	7	<10	56.7	27	<0.5	111	<1	227
KWM37+00N 11+75E	1410	<1	13	<10	84.9	164	<0.5	118	<1	492
KWM37+00N 12+25E	1820	<1	22	<10	73.6	89	0.7	654	<1	1140
KWM37+00N 12+50E	1360	<1	14	<10	68.9	125	<0.5	48	<1	512
KWM37+00N 12+75E	1150	<1	8	<10	66.7	174	<0.5	32	<1	232
KWM37+00N 13+00E	2260	<1	<1	<10	11.8	46	<0.5	14	<1	15
KWM38+00N 00+00E	2610	<1	3	<10	13.7	21	<0.5	44	<1	107
KWM38+00N 00+25E	2280	<1	4	<10	26.8	17	<0.5	24	<1	115
KWM38+00N 00+50E	3190	<1	3	<10	29.0	17	<0.5	24	<1	88
KWM38+00N 00+75E	3780	<1	9	<10	12.6	8	<0.5	132	<1	421
KWM38+00N 02+00E	2680	<1	7	<10	22.7	18	<0.5	48	<1	195
KWM38+00N 02+25E	3040	<1	3	<10	22.3	19	<0.5	30	<1	76
KWM38+00N 02+50E	2040	<1	11	<10	46.1	58	<0.5	56	<1	415
KWM38+00N 03+25E	1560	<1	6	<10	16.8	231	<0.5	23	<1	245

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
KWM38+00N 03+50E	270	<1	3	<10	25.5	1020	<0.5	8	<1	64
KWM38+00N 03+75E	820	<1	13	<10	56.8	567	<0.5	19	<1	456
KWM38+00N 04+00E	1830	<1	34	<10	60.1	123	<0.5	45	<1	1070
KWM38+00N 04+25E	320	<1	20	<10	107	801	0.6	41	<1	672
KWM38+00N 04+50E	540	<1	43	<10	136	421	<0.5	60	<1	1620
KWM38+00N 04+75E	1180	<1	20	<10	45.1	530	0.5	20	<1	646
KWM38+00N 05+00E	870	<1	17	<10	57.9	473	<0.5	14	<1	477
KWM38+00N 05+25E	1840	<1	13	<10	23.6	116	<0.5	46	<1	536
KWM38+00N 05+50E	2630	<1	18	<10	18.9	32	<0.5	47	<1	810
KWM38+00N 05+75E	2280	<1	5	<10	24.1	254	<0.5	64	<1	179
KWM38+00N 06+00E	870	<1	17	<10	100	257	0.6	19	<1	432
*Rep KWM37+00N 02+00E	2290	<1	1	<10	9.7	7	<0.5	10	<1	30
*Rep KWM37+00N 07+00E	2050	<1	3	<10	15.4	42	<0.5	13	<1	84
*Rep KWM37+00N 11+75E	1510	<1	9	<10	67.3	187	<0.5	139	<1	396
*Rep KWM38+00N 03+25E	1710	<1	6	<10	15.4	162	<0.5	20	<1	224
*Rep KWM38+00N 06+00E	1180	<1	21	<10	94.5	225	0.5	21	<1	555
*Std MMISRM16	470	<1	<1	<10	22.8	<3	<0.5	47	<1	12
*Std AMIS0169	130	<1	8	<10	75.7	600	1.4	24	1	175
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
KWM38+00N 00+25W	2790	<1	4	<10	41.9	47	<0.5	37	<1	147
*Rep KWM38+00N 00+25W	2590	<1	4	<10	39.7	34	<0.5	40	<1	137

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM37+00N 00+50E	6	200	18
KWM37+00N 00+75E	9	790	44
KWM37+00N 01+00E	14	890	78
KWM37+00N 01+25E	4	1100	13
KWM37+00N 01+50E	3	150	11
KWM37+00N 01+75E	2	80	9
KWM37+00N 02+00E	2	80	10
KWM37+00N 02+25E	23	190	63
KWM37+00N 02+50E	8	430	201
KWM37+00N 02+75E	12	950	186
KWM37+00N 03+00E	13	380	125
KWM37+00N 03+25E	28	260	164
KWM37+00N 04+50E	18	1240	74
KWM37+00N 04+75E	28	2340	134
KWM37+00N 05+00E	35	1080	218
KWM37+00N 05+25E	34	1630	154
KWM37+00N 05+50E	34	840	80
KWM37+00N 05+75E	22	800	192
KWM37+00N 06+00E	8	500	210
KWM37+00N 06+25E	3	60	20
KWM37+00N 06+50E	5	60	17
KWM37+00N 06+75E	5	120	158
KWM37+00N 07+00E	6	870	48
KWM37+00N 08+00E	16	2140	55
KWM37+00N 08+25E	38	1740	115
KWM37+00N 08+50E	37	1050	167
KWM37+00N 09+50E	16	420	39
KWM37+00N 09+75E	3	40	31
KWM37+00N 10+00E	11	660	69
KWM37+00N 10+25E	15	310	40
KWM37+00N 11+75E	31	1590	162
KWM37+00N 12+25E	60	1980	203
KWM37+00N 12+50E	27	1420	159
KWM37+00N 12+75E	11	660	137
KWM37+00N 13+00E	4	50	28
KWM38+00N 00+00E	5	420	36
KWM38+00N 00+25E	5	410	25
KWM38+00N 00+50E	4	780	25
KWM38+00N 00+75E	18	150	26
KWM38+00N 02+00E	9	230	37
KWM38+00N 02+25E	4	120	28
KWM38+00N 02+50E	21	400	66
KWM38+00N 03+25E	11	370	64

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Final : TO113316 Order:

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
KWM38+00N 03+50E	4	300	200
KWM38+00N 03+75E	22	930	134
KWM38+00N 04+00E	44	490	65
KWM38+00N 04+25E	34	1900	156
KWM38+00N 04+50E	69	1310	160
KWM38+00N 04+75E	23	230	77
KWM38+00N 05+00E	16	300	122
KWM38+00N 05+25E	24	770	109
KWM38+00N 05+50E	31	770	63
KWM38+00N 05+75E	7	300	37
KWM38+00N 06+00E	20	370	132
*Rep KWM37+00N 02+00E	2	70	9
*Rep KWM37+00N 07+00E	5	830	45
*Rep KWM37+00N 11+75E	26	1530	154
*Rep KWM38+00N 03+25E	9	320	53
*Rep KWM38+00N 06+00E	24	380	126
*Std MMISRM16	<1	230	18
*Std AMIS0169	11	300	72
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
KWM38+00N 00+25W	7	670	49
*Rep KWM38+00N 00+25W	7	670	48

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Appendix VI – Bedrock Geological Mapping

6.1 – Geology Stations
6.2 - Lithology
6.3 – Structure

6.1 – Station Location

Appendix 6.1 - 2010 Field Mapping Station Locations

Station Number	Date (dd/mm/yyyy)	Type	Elevation (m)	Easting (m)	Northing (m)	Location Method	GPS Accuracy (m)	Comments
AHKWG003	7/20/2010	outcrop	1158	354952	6943077.6	GPS	1	
AHKWG004	7/25/2010	outcrop	1124	354210	6943237.8	GPS	1	
AHKWG005	7/25/2010	outcrop	1125	354230	6943235.3	GPS	1	Location of KW10-P005
AHKWG006	7/25/2010	waypoint	1120	354222	6943230.2	GPS	1	Location for KW10-006
AHKWG007	7/25/2010	float		354221	6943230	GPS	3	
AHKWG008	7/25/2010	outcrop	1122	354215	6943223.7	GPS	1	
AHKWG009	7/26/2010	outcrop		354054	6943605	GPS	5	Station of well mineralized shale with siliciified volcanics in between.
AHKWG010	7/27/2010	outcrop		354247	6943186	GPS	2	
AHKWG011	7/28/2010	outcrop	969	353532	6944493.2	GPS	1	
BWKWG001	6/17/2010	float		354052	6943559	GPS	7	
BWKWG002	6/17/2010	outcrop		354049	6943575	GPS	5	
BWKWG004	7/24/2010	waypoint	1052	353862	6943485.3	GPS	1	Old line L46+50N 51+25E
BWKWG005	7/24/2010	outcrop	1117	353323	6943535.8	GPS	1	
BWKWG006	7/25/2010	waypoint	1073	353995	6943603.2	GPS	1	Trench 98-12, west end
BWKWG007	7/25/2010	waypoint	1072	353992	6943578.3	GPS	1	98T09, west end
BWKWG008	7/25/2010	waypoint	1079	354013	6943579	GPS	1	98T09, east end
BWKWG009	7/25/2010	waypoint	1080	354040	6943583.4	GPS	1	98T10, east side
BWKWG010	7/25/2010	waypoint	1083	354037	6943583.7	GPS	1	98T10, west side
BWKWG011	7/25/2010	outcrop	1068	354018	6943605.3	GPS	2	98T12, re-excavated
BWKWG012	7/25/2010	waypoint	1070	354036	6943607.2	GPS	2	98T12 west end
BWKWG013	8/1/2010	outcrop				GPS		

6.2 Lithology

Appendix 6.2 - Lithology

Station Number	User	Date (dd/mm/yyyy)	Station Type	Map Unit	Rock Type	Colour	Colour Weathered	Grain size	Texture	Mineralization	Mineralization Minor	Min. Style	Min. %	Alteration	Alt. Degree
AHKWG003	AH	7/20/2010	outcrop		Diorite	greenish	grey	fine-medium					0		0
AHKWG004	AH	7/25/2010	outcrop		Volcaniclastic rock	greenish	orangish	medium	volcanoclastic				0		0
AHKWG005	AH	7/25/2010	outcrop		Shale	black	grey	fine	fractured				0		0
AHKWG006	AH	7/25/2010	waypoint		Shale	black	grey	fine	fractured				0		0
AHKWG007	AH	7/25/2010	float		Volcaniclastic rock	green	brownish	nedium-coars	aphanitic				0		0
AHKWG008	AH	7/25/2010	outcrop		Volcaniclastic rock								0		0
AHKWG009	AH	7/26/2010	outcrop		Shale	greenish	rusty	fine					0		0
AHKWG010	AH	7/27/2010	outcrop		Volcaniclastic rock	white	brown	medium					0		0
AHKWG011	AH	7/28/2010	outcrop		Volcaniclastic rock	greenish	brownish	medium	porphyritic				0		0
BWKWG001	BW	6/17/2010	float		Shale	dark grey	brown	fine	veined				0		0
BWKWG002	BW	6/17/2010	outcrop		Shale								0		0
BWKWG005	BW	7/24/2010	outcrop		Granite	grey	beige	coarse	equigranular				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	rusty	fine-medium	fractured				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	beige	fine	fissile				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	brown	rusty	fine	fractured				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	rusty	fine-medium	fractured				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	rusty	fine-medium	fractured				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	rusty	fine-medium	fractured				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	rusty	fine-medium	fractured				0		0
BWKWG011	BW	7/25/2010	outcrop		Shale	beige	rusty	fine-medium	fractured				0		0

6.3 - Structure

Appendix 6.3 - Structure

Station Number	Structure Name	Quality	Azimuth	Dip / Plunge	Comments
AHDRG009	foliation (dominant)	GOOD	290	85	
AHDRG027	foliation (dominant)	GOOD	262	50	
BWDRG004	fracture	GOOD	355	60	Prominent fracture set,maybe shear planes, ridge in same dirction nearby
BWDRG014	compositional layering	GOOD	265	10	30cm outcrop, seems in place
BWDRG015	joint	MODERATE	345	90	Whole outcrop peeling into pieces in this plane
BWDRG017	bedding	GOOD	307	31	
BWDRG018	gouge	GOOD	11	86	West side of pit conduit
BWDRG018	gouge	GOOD	5	82	Rusty lineation found in pit with high As, east side of pit
BWDRG021	bedding	GOOD	317	76	Interbeds, somewhat undulating
BWDRG021	bedding	GOOD	320	68	Interbeds, somewhat undulating
BWDRG029	compositional layering	GOOD	190	41	Calc-silicate banding
BWDRG031	fracture	GOOD	120	80	Dominant fracture set, whole outcrop very fractured in multiple directions
BWDRG037	bedding	GOOD	305	45	Skarn banding

Appendix VII – Geophysical Report by Aeroquest

Report on a Helicopter-Borne AeroTEM System Electromagnetic & Magnetic Survey



Aeroquest Job # 10048

Sprogge, Dragon Lake & Kiwi Blocks

Ross River, Yukon
NTS 105H09, 105J11, J12

For

TerraLogic Exploration Inc.

by

7687 Bath Road,
Mississauga, ON, L4T 3T1
Tel: (905) 672-9129
Fax: (905) 672-7083
www.aeroquest.ca

Report date: September 2010

Report on a Helicopter-Borne AeroTEM System Electromagnetic & Magnetic Survey

Aeroquest Job # 10048

Sprogge, Dragon Lake & Kiwi Blocks

Ross River, Yukon
NTS 105H09, 105J11, J12

For

TerraLogic Exploration Inc.

Suite 200, 44-12th Ave. South
Cranbrook, BC V1C 2R7

by

7687 Bath Road,
Mississauga, ON, L4T 3T1
Tel: (905) 672-9129
Fax: (905) 672-7083
www.aeroquest.ca

Report date: September 2010

TABLE OF CONTENTS

TABLE OF CONTENTS i
LIST OF FIGURES 2
LIST OF MAPS (1:10,000) 2
1. INTRODUCTION 3
2. SURVEY AREA 3
3. SURVEY SPECIFICATIONS AND PROCEDURES 4
3.1. Navigation 4
3.2. System Drift 4
3.3. Field QA/QC Procedures 5
4. AIRCRAFT AND EQUIPMENT 5
4.1. Aircraft 5
4.2. Magnetometer 5
4.3. Magnetometer II 6
4.4. Electromagnetic System 6
4.5. AeroDAS Acquisition System 7
4.6. Magnetometer Base Station 9
4.7. Radar Altimeter 10
4.8. Video Tracking and Recording System 10
4.9. GPS Navigation System 10
4.10. Digital Acquisition System 11
5. PERSONNEL 11
6. DELIVERABLES 11
6.1. Hardcopy Deliverables 11
6.2. Digital Deliverables 11
6.2.1. Final Database of Survey Data (.GDB) 11
6.2.2. Geosoft Grid files (.GRD) 12
6.2.3. Digital Versions of Final Maps (.MAP, .PDF) 12
6.2.4. Google Earth Survey Navigation Files (.kmz) 12
6.2.5. Free Viewing Software (.EXE) 12
6.2.6. Digital Copy of this Document (.PDF) 12
7. DATA PROCESSING AND PRESENTATION 12
7.1. Base Map 12
7.2. Flight Path & Terrain Clearance 13
7.3. Electromagnetic Data 13
7.4. Magnetic Data 14
8. General Comments 14
8.1. Magnetic Response 14
8.2. EM Anomalies 14
APPENDIX 1: Survey Boundaries 17
APPENDIX 2: Description of Database Fields 18

APPENDIX 3: Anomaly Listing 19
APPENDIX 4: AeroTEM Design Considerations 42
APPENDIX 5: AeroTEM Instrumentation Specification Sheet 48

LIST OF FIGURES

Figure 1. Project survey blocks. 3
Figure 2. Helicopter of the type used during the survey 5
Figure 3. AeroTEM II EM bird. Arrow indicates the location of the second caesium magnetometer sensor. 6
Figure 4. The magnetometer bird (A) and AeroTEM II EM bird (B) 7
Figure 5. Schematic of Transmitter and Receiver waveforms 7
Figure 6. AeroTEM II Instrument Rack. 8
Figure 7. Digital video camera typical mounting location. 10
Figure 8.AeroTEM response to a 'thin' vertical conductor 15
Figure 9. AeroTEM response for a 'thick' vertical conductor. 15
Figure 10. AeroTEM response over a 'thin' dipping conductor. 16

LIST OF MAPS (1:10,000)

- MAGL – Coloured Total Magnetic Intensity lower sensor with line contours and EM anomaly picks.
- MAGU – Coloured Total Magnetic Intensity upper sensor with line contours and EM anomaly picks.
- ZOFF1 – AeroTEM Z1 Off-time with line contours and EM anomaly picks.
- EM – AeroTEM Off-Time profiles Z0 – Z10 and EM anomaly picks.

1. INTRODUCTION

This report describes a helicopter-borne geophysical survey carried out for TerraLogic Exploration Inc. over the Sprogge, Dragon Lake and Kiwi areas located near the Ross River, Yukon.

The principal geophysical sensor is Aeroquest's exclusive AeroTEM II (Echo) time domain helicopter electromagnetic system which is employed in conjunction with a high-sensitivity caesium vapour magnetometer. Ancillary equipment includes a real-time differential GPS navigation system, radar altimeter, video recorder, and a base station magnetometer. Full-waveform streaming EM data is recorded at 36,000 samples per second. The streaming data comprise the transmitted waveform, and the X component and Z component of the resultant field at the receivers. The streaming EM data along with ancillary data recorded with AeroDAS acquisition system.

The total survey coverage is 553 line-km, of which 517 line-km fell within the defined project areas (Appendix 1). The survey was made up of three blocks all flown at 100 metre line spacing in various flight directions (Table 1). The survey flying described in this report took place from June 19th-28th, 2010. This report describes the survey logistics, the data processing, presentation, and provides the specifications of the survey.

2. SURVEY AREA

The Dragon and Kiwi blocks are located approximately 80 km northeast and the Sprogge Block 230 km south east of Ross River, Yukon. The project is made up of three blocks, Sprogge, Dragon Lake and Kiwi (47 km²). The survey block boundary co-ordinates are tabulated in Appendix 1.

The base of survey operations and crew accommodation was at Ross River, Yukon.

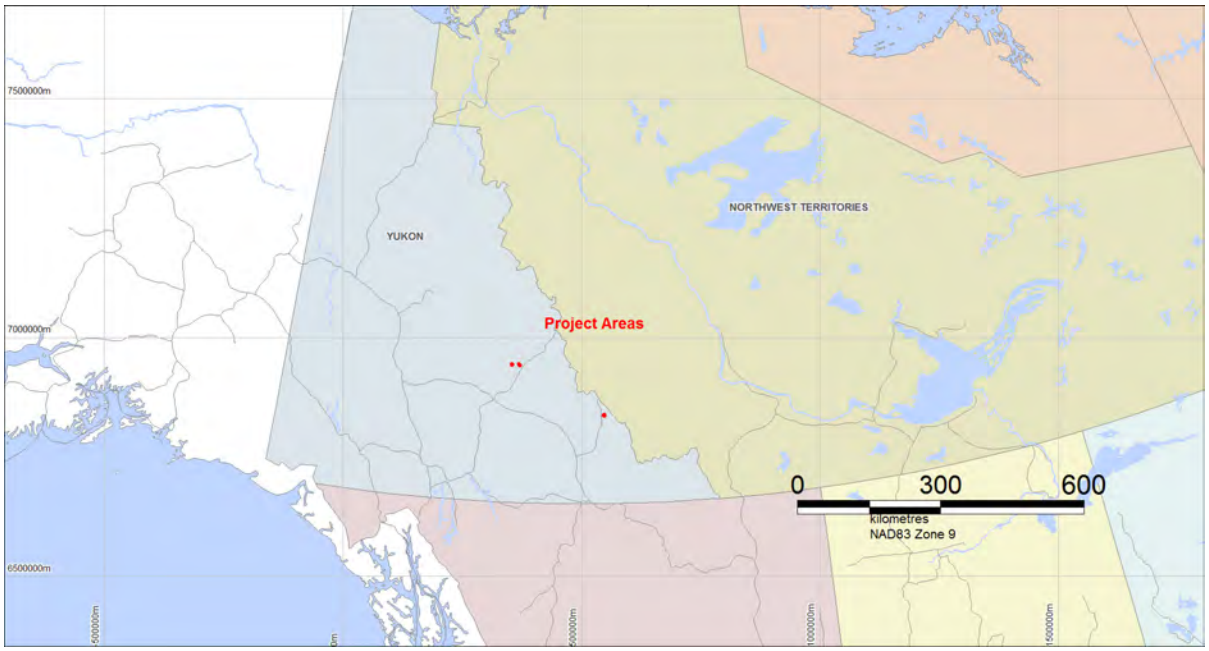


Figure 1. Project survey blocks.

3. SURVEY SPECIFICATIONS AND PROCEDURES

The survey specifications are summarised in the following table:

Blocks	Line/Tie Spacing (metres)	Line Direction	Survey Coverage (line-km)	Date flown
Sprogge	100/1000	60º/240º	227	June 23rd – 28th, 2010
Dragon Lake	100/1000	20º/200º	196	June 20th – 21st, 2010
Kiwi	100/1000	55º/235º	130	June 21st – 22nd, 2010

Table 1. Survey specifications summary

The survey coverage was calculated by adding up the along-line distance of the survey lines and control (tie) lines as presented in the final Geosoft database. The survey was flown with a line spacing of 100 metres. The control (tie) lines were flown perpendicular to the survey lines with a spacing of 1000 metres.

The nominal EM bird terrain clearance is 30 metres, but can be higher in more rugged terrain due to safety considerations and the capabilities of the aircraft. A magnetometer sensor is mounted in a smaller bird connected to the tow rope 18 metres above the EM bird and 18 metres below the helicopter (Figure 3). A second magnetometer is installed on the tail of the EM bird. Nominal survey speed over relatively flat terrain is 75 km/hr and is generally lower in rougher terrain. Scan rates for ancillary data acquisition is 0.1 second for the magnetometer and altimeter, and 0.2 second for the GPS determined position. The EM data is acquired as a data stream at a sampling rate of 36,000 samples per second and is processed to generate final data at 10 samples per second. The 10 samples per second translate to a geophysical reading about every 1.5 to 2.5 metres along the flight path.

3.1. NAVIGATION

Navigation is carried out using a GPS receiver, an AGNAV2 system for navigation control, and AeroDAS data acquisition system which records the GPS coordinates. The x-y-z position of the aircraft, as reported by the GPS, is recorded at 0.2 second intervals. The system has a published accuracy of less than 3 metres. A recent static ground test of the Mid-Tech WAAS GPS yielded a standard deviation in x and y of under 0.6 metres and for z under 1.5 metres over a two-hour period.

3.2. SYSTEM DRIFT

Unlike frequency domain electromagnetic systems, the AeroTEM II system has negligible drift due to thermal expansion. The operator is responsible for ensuring the instrument is properly warmed up prior to departure and that the instruments are operated properly throughout the flight. The operator maintains a detailed flight log during the survey noting the times of the flight and any unusual geophysical or topographic features. Each flight included at least two high elevation 'background' checks. During the high elevation checks, an internal 5 second wide calibration pulse in all EM channels was generated in order to ensure that the gain of the system remained constant and within specifications.

3.3. FIELD QA/QC PROCEDURES

On return of the pilot and operator to the base, usually after each flight, the AeroDAS streaming EM and ancillary (magnetic, GPS, radar altimeter) data are carried on removable hard drives and transferred to the data processing work station. At the end of each day, the base station magnetometer data on Flashcard is retrieved from the base station unit.

Data verification and quality control includes a comparison of the acquired GPS data with the flight plan; verification of both the magnetic towed bird (upper Mag) and EM bird (lower Mag) data; verification of the base station magnetometer data and conversion to ASCII format XYZ data; and loading, processing and conversion of the steaming EM data from the removable hard drive. All data is then merged to an ASCII XYZ format file which is then imported to an Oasis database for further QA/QC and for the production of preliminary EM, magnetic contour, and flight path maps.

Survey lines which show excessive deviation from the intended flight path are re-flown. Any line or portion of a line on which the data quality did not meet the contract specification was noted and reflown.

4. AIRCRAFT AND EQUIPMENT

4.1. AIRCRAFT

A Eurocopter (Aerospatiale) AS350B-3 "A-Star" helicopter - registration C-GSGK was used as survey platform. The helicopter was owned and operated by Guardian Helicopters Inc., Alberta. Installation of the geophysical and ancillary equipment was carried out by Aeroquest Limited personnel in conjunction with a licensed aircraft. The survey aircraft was flown at a nominal terrain clearance of 217 ft (66 metres).



Figure 2. Helicopter of the type used during the survey

4.2. MAGNETOMETER

The AeroTEM II airborne survey system employs the Geometrics G-823A caesium vapour magnetometer sensor installed in a two metre towed bird airfoil attached to the main tow line, 18 metres below the helicopter (Figure 4). The sensitivity of the magnetometer is 0.001

nanoTesla at a 0.1 second sampling rate. The nominal ground clearance of the magnetometer bird is 48 metres (158 ft.). The magnetic data is recorded at 10 Hz by the ADAS.

4.3. MAGNETOMETER II

In addition to the main magnetometer bird on the main tow line, the AeroTEM II system includes an additional G-823A magnetometer installed on the tail of the EM bird (Figure 3. AeroTEM II EM bird. Arrow indicates the location of the second caesium magnetometer sensor.). The sensor is located 36 metres below the helicopter and has a superior nominal terrain clearance of 30 m. Data is recorded at 300 samples a second and down sampled to 10 Hz by the AeroDAS acquisition system.



Figure 3. AeroTEM II EM bird. Arrow indicates the location of the second caesium magnetometer sensor.

4.4. ELECTROMAGNETIC SYSTEM

The electromagnetic system is an Aeroquest AeroTEM II time domain towed-bird system (Figure 3. AeroTEM II EM bird. Arrow indicates the location of the second caesium magnetometer sensor., Figure 4. The magnetometer bird (A) and AeroTEM II EM bird (B)). The current AeroTEM II transmitter dipole moment is 42.3 kNIA. The AeroTEM bird is towed 38 metres (125 ft) below the helicopter. More technical details of the system may be found in Appendix 5.

The wave-form is triangular with a symmetric transmitter on-time pulse of 1.10 ms and a base frequency of 150 Hz (Figure 5). The current alternates polarity every on-time pulse. During every Tx on-off cycle (300 per second), 120 contiguous channels of raw X and Z component (and a transmitter current monitor, itx) of the received waveform are measured. Each channel width is 27.78 microseconds starting at the beginning of the transmitter pulse. This 120 channel data is referred to as the raw streaming data. The AeroTEM system has two separate EM data recording streams, the newly designed AeroDAS system which records the full waveform (Figure 6).

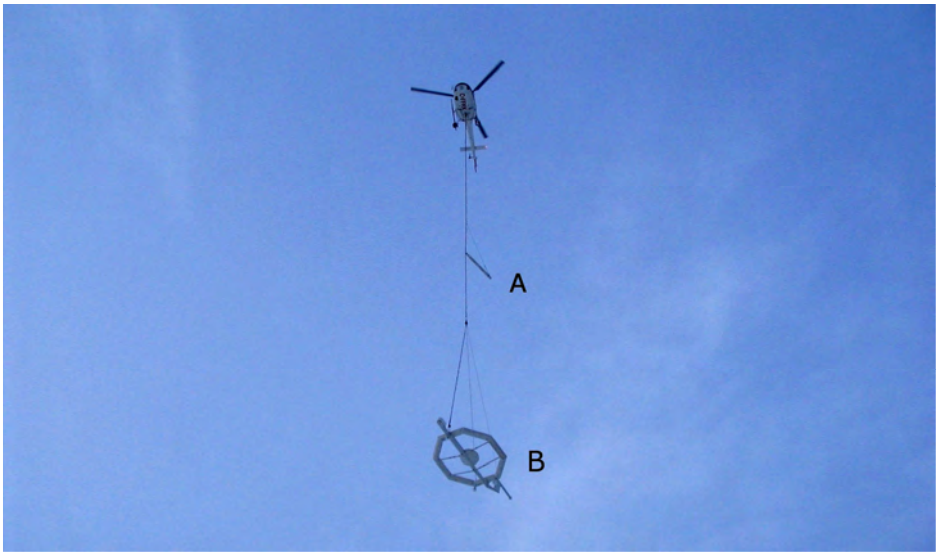


Figure 4. The magnetometer bird (A) and AeroTEM II EM bird (B)

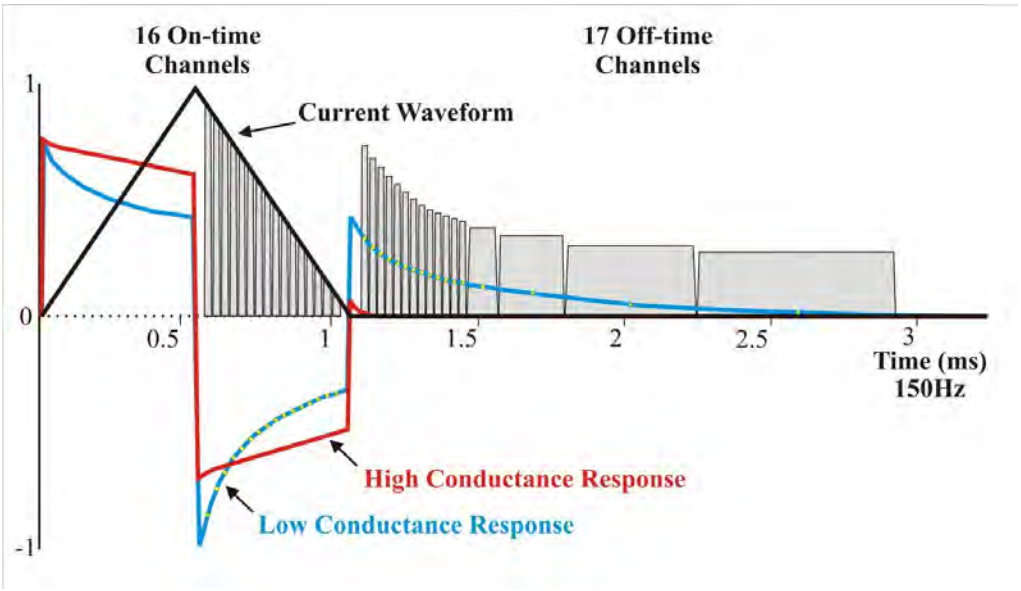


Figure 5. Schematic of Transmitter and Receiver waveforms

4.5. AERODAS ACQUISITION SYSTEM

The 120 channels of raw streaming data are recorded by the AeroDAS acquisition system (Figure 6) onto a removable hard drive. In addition the magnetic, altimeter and position data are also recorded in it, six channels of real time processed off-time EM decay in the Z direction and one in the X direction can be viewed on a color monitor on board, these channels are derived by a binning, stacking and filtering procedure on the raw streaming data.

The primary use of the displayed EM data (Z1 to Z6, X1), magnetic and altimeter is to provide for real-time QA/QC on board



Figure 6. AeroTEM II Instrument Rack.

The streaming data are processed post-survey to yield 33 stacked and binned on-time and off-time channels at a 10 Hz sample rate. The timing of the final processed EM channels is described in the following table:

Dragon Lake and Kiwi Blocks

```
Average TxOn       -3.7112 us
Average TxSwitch   582.4817 us
Average TxOff      1123.0983 us
Average TxPeak     262.2983 A

[Channel Data]
```

Channel	Sample Range	Time Width (us)	Time Center (us)	Time After TxOn (us)
On1	3 - 3	27.8	69.4	73.2
On2	4 - 4	27.8	97.2	100.9
On3	5 - 5	27.8	125.0	128.7
On4	6 - 6	27.8	152.8	156.5
On5	7 - 7	27.8	180.6	184.3
On6	8 - 8	27.8	208.3	212.0
On7	9 - 9	27.8	236.1	239.8
On8	10 - 10	27.8	263.9	267.6
On9	11 - 11	27.8	291.7	295.4
On10	12 - 12	27.8	319.4	323.2
On11	13 - 13	27.8	347.2	350.9
On12	14 - 14	27.8	375.0	378.7
On13	15 - 15	27.8	402.8	406.5
On14	16 - 16	27.8	430.6	434.3
On15	17 - 17	27.8	458.3	462.0
On16	18 - 18	27.8	486.1	489.8

Channel	Sample Range	Time Width (us)	Time Center (us)	Time After TxOff (us)
Off0	42 - 42	27.8	1152.8	29.7
Off1	43 - 43	27.8	1180.6	57.5
Off2	44 - 44	27.8	1208.3	85.2
Off3	45 - 45	27.8	1236.1	113.0
Off4	46 - 46	27.8	1263.9	140.8
Off5	47 - 47	27.8	1291.7	168.6
Off6	48 - 49	55.6	1333.3	210.2

Off7	50 - 51	55.6	1388.9	265.8
Off8	52 - 53	55.6	1444.4	321.3
Off9	54 - 55	55.6	1500.0	376.9
Off10	56 - 58	83.3	1569.4	446.3
Off11	59 - 61	83.3	1652.8	529.7
Off12	62 - 65	111.1	1750.0	626.9
Off13	66 - 71	166.7	1888.9	765.8
Off14	72 - 79	222.2	2083.3	960.2
Off15	80 - 92	361.1	2375.0	1251.9
Off16	93 - 113	583.3	2847.2	1724.1

Sprogge Block

Average TxOn 2.4376 us
Average TxSwitch 588.3991 us
Average TxOff 1128.5284 us
Average TxPeak 262.8313 A

[Channel Data]

Channel	Sample Range	Time Width (us)	Time Center (us)	Time After TxOn (us)
On1	3 - 3	27.8	69.4	67.0
On2	4 - 4	27.8	97.2	94.8
On3	5 - 5	27.8	125.0	122.6
On4	6 - 6	27.8	152.8	150.3
On5	7 - 7	27.8	180.6	178.1
On6	8 - 8	27.8	208.3	205.9
On7	9 - 9	27.8	236.1	233.7
On8	10 - 10	27.8	263.9	261.5
On9	11 - 11	27.8	291.7	289.2
On10	12 - 12	27.8	319.4	317.0
On11	13 - 13	27.8	347.2	344.8
On12	14 - 14	27.8	375.0	372.6
On13	15 - 15	27.8	402.8	400.3
On14	16 - 16	27.8	430.6	428.1
On15	17 - 17	27.8	458.3	455.9
On16	18 - 18	27.8	486.1	483.7

Channel	Sample Range	Time Width (us)	Time Center (us)	Time After TxOff (us)
Off0	43 - 43	27.8	1180.6	52.0
Off1	44 - 44	27.8	1208.3	79.8
Off2	45 - 45	27.8	1236.1	107.6
Off3	46 - 46	27.8	1263.9	135.4
Off4	47 - 47	27.8	1291.7	163.1
Off5	48 - 48	27.8	1319.4	190.9
Off6	49 - 50	55.6	1361.1	232.6
Off7	51 - 52	55.6	1416.7	288.1
Off8	53 - 54	55.6	1472.2	343.7
Off9	55 - 56	55.6	1527.8	399.2
Off10	57 - 59	83.3	1597.2	468.7
Off11	60 - 62	83.3	1680.6	552.0
Off12	63 - 66	111.1	1777.8	649.2
Off13	67 - 72	166.7	1916.7	788.1
Off14	73 - 80	222.2	2111.1	982.6
Off15	81 - 93	361.1	2402.8	1274.2
Off16	94 - 114	583.3	2875.0	1746.5

4.6. MAGNETOMETER BASE STATION

The base magnetometer was a Geometrics G-859 caesium vapour magnetometer system with integrated GPS. Data logging and UTC time synchronisation was carried out within the magnetometer, with the GPS providing the timing signal. The data logging was configured to measure at 1.0 second intervals. Digital recording resolution was 0.001 nT. The sensor was placed on a tripod in an area of low magnetic gradient and free of cultural noise sources. A continuously updated display of the base station values was available for viewing and regularly monitored to ensure acceptable data quality and diurnal variation.

4.7. RADAR ALTIMETER

A Terra TRA 3500/TRI-30 radar altimeter is used to record terrain clearance. The antenna was mounted on the outside of the helicopter beneath the cockpit. Therefore, the recorded data reflect the height of the helicopter above the ground. The Terra altimeter has an altitude accuracy of +/- 1.5 metres.

4.8. VIDEO TRACKING AND RECORDING SYSTEM

A high resolution digital colour 8 mm video camera is used to record the helicopter ground flight path along the survey lines. The video is digitally annotated with GPS position and time and can be used to verify ground positioning information and cultural causes of anomalous geophysical responses.



Figure 7. Digital video camera typical mounting location.

4.9. GPS NAVIGATION SYSTEM

The navigation system consists of an Ag-Nav Incorporated AG-NAV2 GPS navigation system comprising a PC-based acquisition system, navigation software, a deviation indicator in front of the aircraft pilot to direct the flight, a full screen display with controls in front of the operator, a Mid-Tech RX400p WAAS-enabled GPS receiver mounted on the instrument rack and an antenna mounted on the magnetometer bird. WAAS (Wide Area Augmentation System) consists of approximately 25 ground reference stations positioned across the United States that monitor GPS satellite data. Two master stations located on the east and west coasts collect data from the reference stations and create a GPS correction message. This correction accounts for GPS satellite orbit and clock drift plus signal delays caused by the atmosphere and ionosphere. The corrected differential message is then broadcast through one of two geostationary satellites, or satellites with a fixed position over the equator. The corrected position has a published accuracy of less than 3 metres.

Survey co-ordinates are set up prior to the survey and the information is fed into the airborne navigation system. The co-ordinate system employed in the survey design was WGS84 [World] using the UTM zone 09N projection. The real-time differentially corrected GPS positional data was recorded by AeroDAS system in geodetic coordinates (latitude and longitude using WGS84) at 0.2 s intervals.

4.10. DIGITAL ACQUISITION SYSTEM

The AeroTEM received waveform sampled during on and off-time at 120 channels per decay, 300 times per second, was logged by the proprietary AeroDAS data acquisition system. The channel sampling commences at the start of the Tx cycle and the width of each channel is 27.778 microseconds. In addition the positional and secondary geophysical data, (i.e. magnetic, radar altimeter, GPS position, and UTC time) was recorded on a removable hard-drive and later backed-up onto DVD-ROM from the field-processing computer.

5. PERSONNEL

The following Aeroquest personnel were involved in the project:

- Manager of Operations: Lee Harper
- Field Data Processor: Mihai Scentesy / Asif Mirza
- Field Operator: Amit Praharaj / Tom Szumigaj
- Data Processing and Reporting: Asif Mirza

The survey pilot, Mike Holcroft, was employed directly by the helicopter operator – Guardian Helicopters Inc.

6. DELIVERABLES

6.1. HARDCOPY DELIVERABLES

The report includes a set of 1:10,000 maps. The each survey area is covered by a single map plate and four geophysical data products are delivered as listed below:

- MAGL – Coloured Total Magnetic Intensity lower sensor with line contours and EM anomaly picks.
- MAGU – Coloured Total Magnetic Intensity upper sensor with line contours and EM anomaly picks.
- ZOFF0 – AeroTEM Z0 Off-time with line contours and EM anomaly picks.
- EM – AeroTEM Off-Time profiles Z0 – Z10 and EM anomaly picks.

The coordinate/projection system for the maps is NAD83 – UTM Zone 09N. For reference, the latitude and longitude in WGS84 are also noted on the maps.

All the maps show flight path trace, skeletal topography, and conductor picks represented by an anomaly symbol classified according to calculated off-time conductance. The anomaly symbol is accompanied by postings denoting the calculated off-time conductance, a thick or thin classification and an anomaly identifier label. The anomaly symbol legend and survey specifications are displayed on the left margin of the maps.

6.2. DIGITAL DELIVERABLES

6.2.1. Final Database of Survey Data (.GDB)

The geophysical profile data is archived digitally in a Geosoft GDB binary format database. A description of the contents of the individual channels in the database can be found in Appendix 2. A copy of this digital data is archived at the Aeroquest head office in Mississauga.

6.2.2. Geosoft Grid files (.GRD)

Levelled Grid products used to generate the geophysical map images. Cell size for all grid files is 25 metres.

- Total Magnetic Intensity from lower Mag sensor (magl_block.grd)
- Total Magnetic Intensity from upper Mag sensor (magu_block.grd)
- AeroTEM Z Offtime Channel 1 (z0-off_block.grd)
- Digital terrain Model (dtm_block.grd)

6.2.3. Digital Versions of Final Maps (.MAP, .PDF)

Map files in Geosoft .map and Adobe PDF format.

6.2.4. Google Earth Survey Navigation Files (.kmz)

Flight navigation lines, EM Profiles, EM culture picks, geophysical grids and contours in Google Earth .kmz format. Double click to view flight lines in Google Earth.

6.2.5. Free Viewing Software (.EXE)

- Geosoft Oasis Montaj Viewing Software
- Adobe Acrobat Reader
- Google Earth Viewer

6.2.6. Digital Copy of this Document (.PDF)

Adobe PDF format of this document.

7. DATA PROCESSING AND PRESENTATION

All in-field and post-field data processing was carried out using Aeroquest proprietary data processing software and Geosoft Oasis Montaj software. Maps were generated using 36-inch wide Hewlett Packard ink-jet plotters.

7.1. BASE MAP

The geophysical maps accompanying this report are based on positioning in the NAD83 datum. The survey geodetic GPS positions have been projected using the Universal Transverse Mercator projection in Zone 09 North. A summary of the map datum and projection specifications is given following:

- Ellipse: GRS 1980
- Ellipse major axis: 6378137m eccentricity: 0.081819191
- Datum: North American 1983 - Canada Mean
- Datum Shifts (x,y,z) : 0, 0, 0 metres
- Map Projection: Universal Transverse Mercator Zone 09 (129º W)
- Central Scale Factor: 0.9996
- False Easting, Northing: 500,000m, 0m

For reference, the latitude and longitude in WGS84 are also noted on the maps.

The background vector topography was sourced from Natural Resources Canada 1:50000 National Topographic Data Base data and the background shading were derived from NASA Shuttle Radar Topography Mission (SRTM) 90 metre resolution DEM data.

7.2. FLIGHT PATH & TERRAIN CLEARANCE

The position of the survey helicopter was directed by use of the Global Positioning System (GPS). Positions were updated five times per second (5 Hz) and expressed as WGS84 latitude and longitude calculated from the raw pseudo range derived from the C/A code signal. The instantaneous GPS flight path, after conversion to UTM co-ordinates, is drawn using linear interpolation between the x/y positions. The terrain clearance was maintained with reference to the radar altimeter. The raw Digital Terrain Model (DTM) was derived by taking the GPS survey elevation and subtracting the radar altimeter terrain clearance values. The calculated topography elevation values are relative and are not tied in to surveyed geodetic heights.

Each flight included at least two high elevation 'background' checks. These high elevation checks are to ensure that the gain of the system remained constant and within specifications.

7.3. ELECTROMAGNETIC DATA

The raw streaming data, sampled at a rate of 36,000 Hz (120 channels, 300 times per second) was reprocessed using a proprietary software algorithm developed and owned by Aeroquest Limited. Processing involves the compensation of the X and Z component data for the primary field waveform. Coefficients for this compensation for the system transient are determined and applied to the stream data. The stream data are then pre-filtered, stacked, binned to the 33 on and off-time channels and checked for the effectiveness of the compensation and stacking processes. The stacked data is then filtered, levelled and split up into the individual line segments. Further base level adjustments may be carried out at this stage. The filtering of the stacked data is designed to remove or minimize high frequency noise that cannot be sourced from the geology.

The final field processing step was to merge the processed EM data with the other data sets into a Geosoft GDB file. The EM fiducial is used to synchronize the two datasets. The processed channels are merged into 'array format; channels in the final Geosoft database as Zon, Zoff, Xon, and Xoff.

Apparent bedrock EM anomalies were interpreted with the aid of an auto-pick from positive peaks and troughs in the off-time Z channel responses correlated with X channel responses. The auto-picked anomalies were reviewed and edited by a geophysicist on a line by line basis to discriminate between thin and thick conductor types. Anomaly picks locations were migrated and removed as required. This process ensures the optimal representation of the conductor centres on the maps.

At each conductor pick, estimates of the off-time conductance have been generated based on a horizontal plate source model for those data points along the line where the response amplitude is sufficient to yield an acceptable estimate. Some of the EM anomaly picks do not display a Tau value; this is due to the inability to properly define the decay of the conductor usually because of low signal amplitudes. Each conductor pick was then classified according to a set of seven ranges of calculated off-time conductance values. For high conductance sources, the on-time conductance values may be used, since it provides a more accurate measure of high-conductance sources. Each symbol is also given an identification letter label, unique to each flight line. Conductor picks that did not yield an acceptable estimate of off-time conductance due to a low amplitude response were classified as a low conductance

source. Please refer to the anomaly symbol legend located in the margin of the maps. Although the auto- pick anomaly routine was run, no bedrock anomalies were identified.

7.4. MAGNETIC DATA

Prior to any levelling the magnetic data was subjected to a lag correction of -0.1 seconds and a spike removal filter. The filtered aeromagnetic data were then corrected for diurnal variations using the magnetic base station and the intersections of the tie lines. No corrections for the regional reference field (IGRF) were applied. The corrected profile data were interpolated on to a grid using a bi-directional grid technique with a grid cell size of 25 metres. The final levelled grid provided the basis for threading the presented contours which have a minimum contour interval of 5 nT.

8. GENERAL COMMENTS

The survey was successful in mapping the magnetic and conductive properties of the geology throughout the survey area. There was no interpreted bedrock anomalies identified within the EM data. Few anomalies have been identified which are coincident with manmade features and were given cultural symbol. Below is a brief interpretation of the results. For a detailed interpretation please contact Aeroquest Limited.

8.1. MAGNETIC RESPONSE

The magnetic data provide a high resolution map of the distribution of the magnetic mineral content of the survey area. This data can be used to interpret the location of geological contacts and other structural features such as faults and zones of magnetic alteration. The sources for anomalous magnetic responses are generally thought to be predominantly magnetite because of the relative abundance and strength of response (high magnetic susceptibility) of magnetite over other magnetic minerals such as pyrrhotite.

8.2. EM ANOMALIES

As a reference, typical EM anomalies are classified by conductance (as described earlier in the report) and also by the thickness of the source. A thin, vertically orientated source produces a double peak anomaly in the z-component response and a positive to negative crossover in the x-component response (Figure 8). For a vertically orientated thick source (say, greater than 10 metres), the response is a single peak in the z-component response and a negative to positive crossover in the x-component response (Figure 9). Because of these differing responses, the AeroTEM system provides discrimination of thin and thick sources and this distinction is indicated on the EM anomaly symbols (N = thin and K = thick). Where multiple, closely spaced conductive sources occur, or where the source has a shallow dip, it can be difficult to uniquely determine the type (thick vs. thin) of the source (Figure 10). In these cases both possible source types may be indicated by picking both thick and thin response styles. For shallow dipping conductors the ‘thin’ pick will be located over the edge of the source, whereas the ‘thick’ pick will fall over the downdip ‘heart’ of the anomaly.

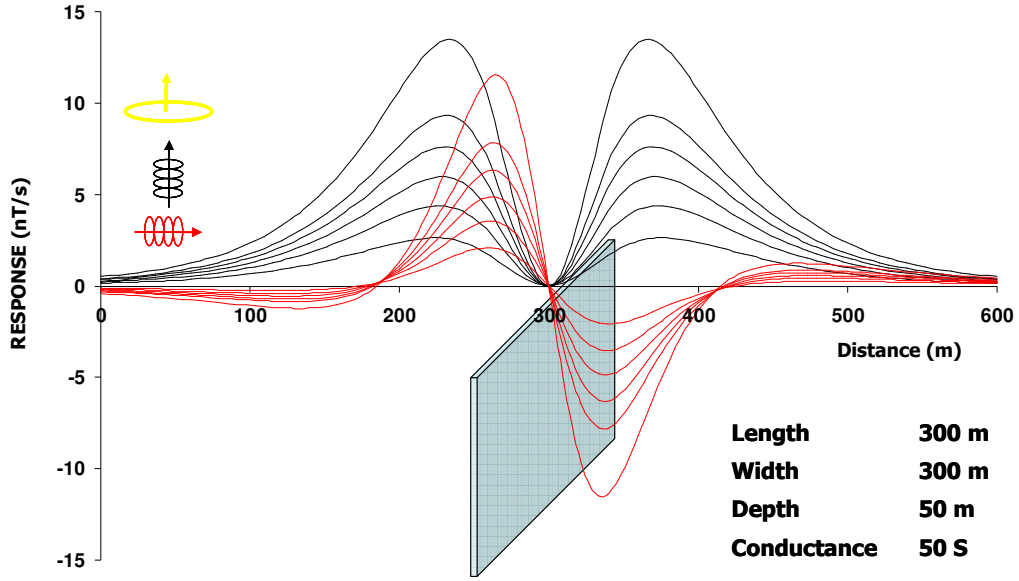


Figure 8.AeroTEM response to a 'thin' vertical conductor.

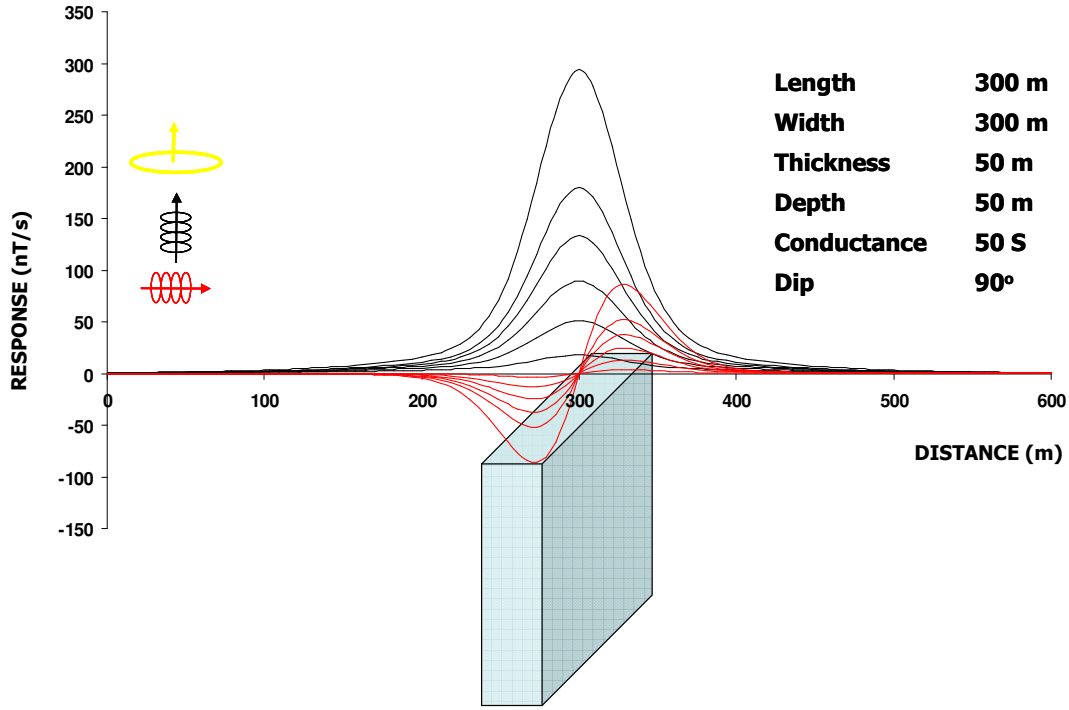


Figure 9. AeroTEM response for a 'thick' vertical conductor.

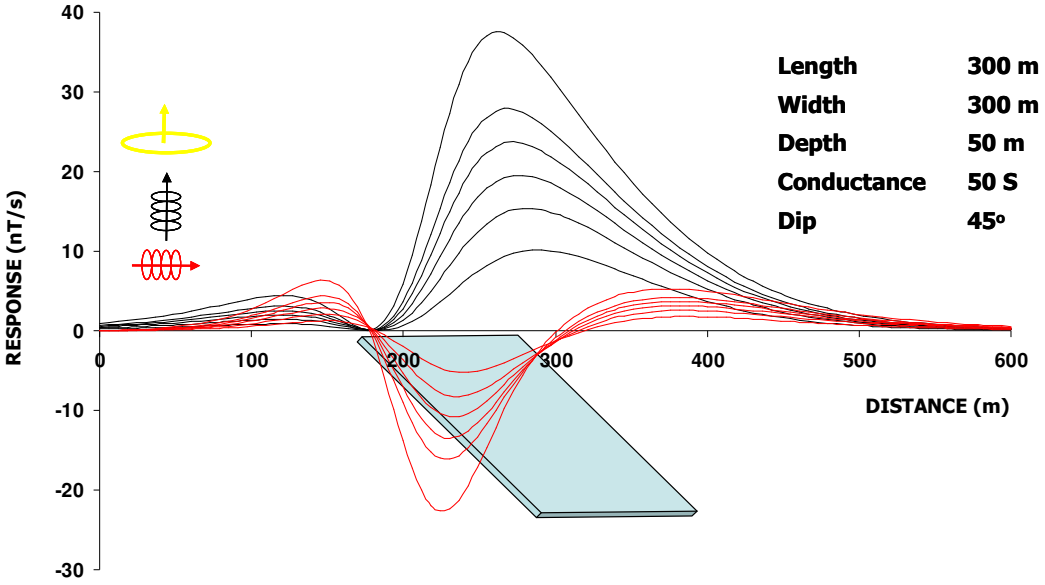


Figure 10. AeroTEM response over a 'thin' dipping conductor.

All cases should be considered when analyzing the interpreted picks and prioritizing for follow-up. Specific anomalous responses which remain as high priority should be subjected to numerical modeling prior to drill testing to determine the dip, depth and probable geometry of the source.

APPENDIX 1: SURVEY BOUNDARIES

The following table presents the survey blocks boundaries. All geophysical data presented in this report have been windowed to 100m outside the original outline. X and Y positions are in NAD83 UTM Zone 09N metres.

Sprogge Block

X	*Y*
544720.1	6838703.7
547316.9	6840205.9
548225.0	6839130.0
548584.4	6839090.9
548494.5	6838198.7
549856.4	6838045.0
549721.0	6836761.0
549832.6	6836594.4
550281.1	6835986.2
547685.9	6834481.2
547234.4	6835094.6
547034.0	6835209.0
545008.6	6835422.9
545221.6	6837192.6
545662.9	6837651.2

Dragon Lake Block

X	*Y*
366928.8	6943547.3
367954.3	6946366.5
372655.7	6942660.4
371629.3	6939841.5
367102.0	6943481.0

Kiwi Block

X	*Y*
351990.5	6944397.1
354477.8	6946074.4
356696.1	6943172.4
354213.7	6941487.8

APPENDIX 2: DESCRIPTION OF DATABASE FIELDS

The GDB file is a Geosoft binary database. In the database, the Survey lines and Tie Lines are prefixed with an "L" for "Line" and "T" for "Tie".

COLUMN	UNITS	DESCRIPTOR
Line		Line number
Flight		Flight #
emfid		AERODAS Fiducial
utctime	hh:mm:ss.ss	UTC time
X	m	UTM Easting (NAD83, Zone 09)
Y	m	UTM Northing (NAD83, Zone 09)
Galt	m	GPS elevation of magnetometer bird
Ralt	m	Helicopter radar altimeter (height above terrain)
bheight	m	Terrain clearance of EM bird
Dtm	m	Digital Terrain Model
Basemag	nT	Base station total magnetic intensity
magL	nT	Final levelled total magnetic intensity from lower magnetometer sensor (installed on the tail of the EM bird).
magU	nT	Final levelled total magnetic intensity from upper magnetometer sensor (installed on the tail of the mag bird).
Zon	nT/s	EM On-Time Z component Channels 1-16
Zoff	nT/s	EM Off-Time Z component Channels 0-16
Xon	nT/s	EM On-Time X component Channels 1-16
Xoff	nT/s	EM Off-Time X component Channels 0-16
pwrline		powerline monitor data channel
TranOff	s	Transmitter turn off time
TranOn	s	Transmitter turn on time
TranPeak	A	Transmitter peak current
TranSwitch	s	Transmitter peak current time
Off_pick		Anomaly pick channel
Grade		Classification from 1-7 based on conductance of conductor pick
Anom_Labels		Letter label of conductor pick (Unique per flight line)
Off_Con	S	Off-time conductance at conductor pick
Off_Tau	µs	Off-time decay constant at conductor pick
Anom_ID		EM Anomaly response style (K= thicK, N = thiN)
Off_AllCon	S	Off-time conductance
Off_AllTau	µs	Off-time decay constant

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height (m)	Easting (m)	Northing (m)
10460	C	K	1.9	138.1	27	20:17:32	45.5	549285.8	6836145.6
10460	D	K	0.5	68.8	27	20:18:09	70.3	549828.8	6836459.6
10470	A	K	1.3	114.6	27	20:19:32	57.9	549882.8	6836366.1
10470	B	K	1.2	109.3	27	20:19:40	34.5	549837.5	6836342.8
10470	C	K	3.6	188.6	27	20:20:36	44.1	549350.6	6836051.7
10470	D	K	3.2	179.8	27	20:20:50	46.7	549182.8	6835977.9
10470	E	K	1.1	104.1	27	20:21:03	46.9	549032.5	6835882.7
10480	A	K	2.2	149.3	27	20:27:35	54.3	549381.6	6835976.4
10480	B	K	5.7	238.1	27	20:28:04	61.5	549897.9	6836255.6
10490	A	K	3.9	197.2	27	20:29:35	40.6	550008.2	6836219.0
10490	B	K	4.8	219.7	27	20:30:51	40.3	549435.5	6835899.1
10500	A	K	1.5	120.9	27	20:37:44	38.4	549172.5	6835612.0
10500	B	K	1.3	111.8	27	20:38:57	63.2	550010.2	6836103.8
10510	A	K	2.7	163.0	27	20:40:27	69.5	550117.4	6836051.6
10510	B	K	3.2	178.8	27	20:40:35	52.5	550030.5	6836008.3
10510	C	K	0.6	76.8	27	20:41:39	27.3	549447.6	6835669.1
10520	A	K	8.6	293.0	27	20:46:24	71.7	548188.6	6834803.7
10520	B	K	4.2	205.7	27	20:46:47	55.1	548473.6	6834976.1
10520	C	K	1.3	114.4	27	20:49:03	65.2	550086.8	6835915.6
10520	D	K	1.0	97.8	27	20:49:15	60.6	550235.7	6835994.2
19020	A	K	0.8	87.3	9	19:53:10	49.7	546103.3	6836997.2
19020	B	K	1.0	99.1	9	19:54:37	72.6	545689.4	6837705.5
19020	C	K	2.2	148.0	9	19:55:15	40.4	545381.3	6838265.3
19031	A	K	8.0	282.7	27	20:58:30	35.8	547135.8	6837244.8
19031	B	K	16.7	408.9	27	21:02:21	53.7	546025.6	6839136.9
19031	D	N	11.2	334.6	27	21:02:28	45.8	545962.0	6839236.6
19031	F	K	11.2	334.6	27	21:02:33	47.8	545921.6	6839302.0
19040	A	K	0.9	95.5	8	19:08:45	47.2	548902.0	6836165.3
19040	B	K	1.2	110.0	8	19:09:40	52.0	548321.6	6837173.1
19050	A	K	0.4	60.0	6	18:40:22	38.8	549931.1	6836368.1

DRAGON LAKE BLOCK

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height (m)	Easting (m)	Northing (m)
20010	A	N	0.6	70.1	3	23:45:43	26.6	368024.9	6946348.9
20010	B	K	0.4	61.2	3	23:45:48	24.3	367995.6	6946254.9
20010	C	K	0.3	50.3	3	23:46:26	38.1	367722.3	6945453.2
20010	D	K	0.3	53.8	3	23:47:53	41.9	367088.4	6943701.7
20010	E	K	1.7	129.7	3	23:48:04	34.4	367008.1	6943494.8

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20020	A	K	0.1	35.2	3	23:41:31	25.5	367174.2	6943702.7
20020	B	K	0.2	44.2	3	23:43:08	28.9	367819.2	6945437.2
20020	C	K	0.1	25.6	3	23:43:31	30.4	367990.2	6945907.4
20030	A	N	0.1	36.1	3	23:37:32	34.7	367960.0	6945530.1
20030	B	K	0.1	36.1	3	23:37:38	34.0	367903.0	6945401.4
20030	C	K	0.1	23.6	3	23:38:05	28.8	367702.9	6944828.1
20030	D	N	0.4	60.4	3	23:39:04	37.8	367315.8	6943730.8
20030	E	K	0.4	60.4	3	23:39:12	40.7	367240.4	6943555.7
20041	A	K	0.2	49.0	4	20:09:38	33.9	367320.7	6943548.8
20041	B	K	0.2	42.2	4	20:10:30	33.0	367733.9	6944648.4
20041	C	K	0.2	43.9	4	20:10:58	30.1	368000.7	6945339.6
20041	D	K	0.2	43.3	4	20:11:13	27.2	368133.0	6945735.0
20050	A	N	0.1	33.3	3	23:28:31	28.2	368315.1	6945950.1
20050	B	K	0.1	33.3	3	23:29:00	34.8	368083.9	6945317.4
20050	C	N	0.1	33.3	3	23:29:03	34.3	368055.6	6945245.2
20050	D	K	0.1	21.4	3	23:29:27	35.0	367870.6	6944715.0
20050	E	K	0.1	22.2	3	23:30:23	28.7	367461.6	6943573.4
20060	A	N	0.1	32.1	3	23:25:54	30.9	368085.9	6945000.5
20060	B	N	0.1	32.1	3	23:26:02	34.5	368136.8	6945164.8
20060	C	K	0.1	32.1	3	23:26:06	33.4	368164.4	6945247.0
20060	D	N	0.1	32.1	3	23:26:25	29.7	368312.2	6945613.9
20070	A	N	0.1	32.0	3	23:20:49	33.3	368511.7	6945898.6
20070	B	N	0.1	32.0	3	23:21:20	31.0	368285.5	6945297.7
20070	C	K	0.1	32.0	3	23:21:24	33.5	368253.2	6945211.2
20070	D	N	0.1	32.0	3	23:21:28	36.6	368223.9	6945134.8
20070	E	K	0.0	21.0	3	23:21:37	33.4	368164.4	6944960.3
20070	F	N	0.0	21.0	3	23:21:43	31.0	368127.1	6944831.4
20070	G	K	0.2	40.1	3	23:23:02	38.3	367513.3	6943120.8
20080	A	N	0.0	0.0	3	23:18:07	27.6	368210.8	6944740.4
20090	A	N	1.6	127.9	3	23:13:38	28.0	368494.7	6945266.8
20100	A	K	1.3	112.0	3	23:09:20	28.2	367737.2	6942901.8
20100	B	N	1.3	112.0	3	23:09:32	40.0	367839.1	6943168.0
20100	C	N	0.1	28.5	3	23:10:36	27.5	368373.4	6944643.4
20100	D	N	0.1	28.5	3	23:10:41	27.9	368414.1	6944751.5
20100	E	K	0.1	28.5	3	23:10:44	28.1	368440.7	6944821.8
20100	F	N	0.1	28.5	3	23:10:46	28.7	368465.8	6944887.5
20100	G	K	0.0	19.1	3	23:10:53	27.8	368529.9	6945059.6
20110	A	N	0.0	19.7	3	23:05:35	34.4	368877.5	6945725.7
20110	B	K	0.0	19.7	3	23:06:11	28.8	368614.4	6944992.9
20110	C	N	0.0	19.7	3	23:06:23	28.3	368508.1	6944721.6

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20110	D	N	0.0	19.7	3	23:06:40	36.7	368369.5	6944330.1
20110	E	K	0.5	70.9	3	23:07:47	28.5	367869.0	6942940.4
20120	A	N	0.1	25.9	3	23:03:02	30.6	368480.8	6944369.9
20120	B	N	0.1	25.9	3	23:03:23	29.0	368667.7	6944845.3
20120	C	K	0.1	25.9	3	23:03:27	33.3	368698.4	6944937.8
20120	D	K	0.1	22.2	3	23:03:37	31.8	368779.9	6945161.5
20130	A	K	0.1	23.8	3	22:58:52	30.4	368804.5	6944925.0
20130	B	K	0.1	27.7	3	23:00:22	27.2	368075.6	6942943.5
20130	C	N	0.1	27.7	3	23:00:25	29.4	368055.8	6942884.6
20130	D	K	0.8	87.3	3	23:00:32	34.6	368010.1	6942745.8
20140	A	K	0.1	35.2	2	20:10:36	32.4	368895.8	6944906.7
20140	B	N	0.1	33.0	2	20:10:43	36.6	368815.8	6944697.9
20140	C	K	0.1	33.0	2	20:10:49	33.1	368776.6	6944552.5
20140	D	K	0.3	49.6	2	20:12:05	34.8	368116.5	6942772.1
20150	A	K	0.3	57.0	2	20:06:24	47.0	368223.1	6942729.9
20150	B	N	0.3	50.9	2	20:06:42	45.2	368341.4	6943076.4
20150	C	K	0.3	50.9	2	20:06:47	44.5	368380.4	6943196.4
20150	D	K	0.1	31.4	2	20:07:39	39.8	368816.3	6944396.7
20150	E	K	0.1	36.0	2	20:08:00	30.5	368985.5	6944854.1
20160	A	K	0.1	36.6	2	20:03:05	37.3	369082.5	6944824.2
20160	B	K	0.1	31.5	2	20:03:29	40.5	368879.8	6944262.0
20160	C	N	0.1	31.5	2	20:03:45	35.4	368758.6	6943908.8
20160	D	K	0.3	51.0	2	20:04:15	40.4	368495.7	6943246.6
20160	E	N	0.3	53.3	2	20:04:44	39.6	368290.4	6942702.8
20160	F	K	0.3	53.3	2	20:04:47	39.4	368264.2	6942635.9
20170	A	K	0.3	57.9	2	19:58:36	43.2	368380.6	6942640.0
20170	B	K	0.3	50.0	2	19:58:58	40.8	368593.5	6943134.1
20170	C	N	0.3	50.0	2	19:59:02	42.4	368622.2	6943215.3
20170	D	K	0.2	49.1	2	19:59:07	39.3	368676.7	6943345.2
20170	E	K	0.1	29.1	2	19:59:40	49.8	368931.5	6944132.5
20180	A	K	0.4	59.8	2	19:54:57	25.1	369444.4	6945232.3
20180	B	K	0.2	43.4	2	19:56:19	30.2	368771.8	6943431.7
20180	C	K	0.2	46.6	2	19:56:34	35.2	368652.5	6943089.9
20180	D	K	0.3	54.7	2	19:57:03	37.6	368428.9	6942443.2
20190	A	K	0.2	44.9	2	19:51:47	38.8	368759.5	6943061.7
20190	B	N	0.2	44.9	2	19:51:51	34.1	368798.4	6943153.0
20190	C	K	0.2	42.6	2	19:51:58	36.1	368856.7	6943336.1
20190	D	K	0.4	64.4	2	19:52:30	33.9	369124.7	6944066.5
20200	A	K	0.2	44.9	2	19:49:10	27.4	368982.8	6943350.0
20200	B	N	0.2	44.9	2	19:49:14	29.1	368953.3	6943272.3

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20200	C	K	0.2	43.8	2	19:49:18	31.4	368913.0	6943184.2
20200	D	K	0.3	50.7	2	19:49:30	46.4	368814.7	6942912.9
20200	E	K	0.3	49.9	2	19:50:02	31.8	368559.1	6942241.7
20210	A	K	0.2	49.5	2	19:44:04	46.0	368587.3	6942164.8
20210	B	K	0.2	42.6	2	19:44:16	37.5	368734.0	6942381.3
20210	C	K	0.3	51.8	2	19:44:54	47.9	369048.1	6943306.7
20220	A	K	0.3	50.1	2	19:42:06	37.1	369101.3	6943171.5
20220	B	K	0.2	38.6	2	19:42:45	27.2	368841.3	6942378.4
20230	A	K	0.2	43.1	2	19:37:04	38.1	368916.3	6942327.3
20230	B	K	0.3	50.5	2	19:37:35	38.9	369176.4	6943039.5
20230	C	N	0.3	52.9	2	19:37:38	37.9	369199.6	6943115.2
20230	D	K	0.3	52.9	2	19:37:41	37.0	369223.9	6943187.3
20230	E	K	0.2	44.1	2	19:37:59	30.8	369385.5	6943604.2
20230	F	K	0.5	68.1	2	19:38:12	34.2	369493.0	6943926.5
20240	A	K	0.8	89.0	2	19:32:58	22.6	369943.3	6944917.4
20240	B	K	1.6	127.7	2	19:33:46	29.5	369598.2	6943938.2
20240	C	K	0.3	50.5	2	19:34:31	34.2	369266.8	6943001.4
20240	D	K	0.1	27.8	2	19:35:09	31.4	368988.5	6942240.4
20250	A	K	0.1	33.8	2	19:29:27	30.7	369079.0	6942156.4
20250	B	K	0.3	55.3	2	19:30:07	30.9	369346.6	6942940.9
20250	C	K	0.4	59.1	2	19:30:25	32.3	369510.7	6943381.9
20250	D	K	5.0	222.8	2	19:30:46	38.5	369711.4	6943942.2
20250	E	K	0.7	85.5	2	19:31:20	31.6	370009.3	6944771.6
20250	F	N	0.7	85.5	2	19:31:22	31.1	370024.8	6944819.2
20260	A	N	1.0	98.9	2	19:25:11	29.0	370128.3	6944774.4
20260	B	K	1.0	98.9	2	19:25:16	28.0	370100.9	6944692.7
20260	C	K	24.9	498.5	2	19:25:43	28.3	369937.0	6944251.2
20260	D	K	11.1	333.1	2	19:26:07	34.7	369815.3	6943911.8
20260	E	K	0.5	69.7	2	19:26:41	32.6	369586.4	6943281.2
20260	F	K	0.4	63.9	2	19:27:17	33.4	369321.6	6942567.8
20260	G	K	0.4	60.2	2	19:27:44	32.1	369146.1	6942094.4
20270	A	N	0.1	23.8	1	1:21:27	30.7	369156.4	6941807.3
20270	B	K	0.1	23.8	1	1:21:38	28.2	369217.1	6941986.1
20270	C	K	0.3	52.4	1	1:21:46	34.5	369279.7	6942141.1
20270	D	K	0.3	49.6	1	1:22:08	32.9	369441.6	6942565.8
20270	E	K	0.1	30.0	1	1:22:14	30.2	369482.3	6942670.2
20270	F	K	8.6	293.6	1	1:23:15	30.2	369915.5	6943906.0
20270	G	K	5.7	237.7	1	1:23:28	32.0	370023.2	6944188.8
20270	H	N	5.7	237.7	1	1:23:32	41.4	370049.8	6944275.7
20270	I	K	0.3	58.5	1	1:23:48	26.8	370173.6	6944605.8

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20280	A	K	0.8	87.9	1	1:18:25	53.0	370273.1	6944642.0
20280	B	N	7.3	269.9	1	1:18:52	50.5	370048.2	6944015.7
20280	C	K	0.3	50.4	1	1:19:25	30.2	369723.2	6943107.1
20280	D	K	0.3	49.9	1	1:19:42	32.3	369562.4	6942661.2
20280	E	K	0.1	29.9	1	1:19:47	30.8	369518.8	6942508.5
20280	F	K	0.1	23.6	1	1:20:09	34.8	369294.5	6941931.3
20280	G	N	0.1	23.6	1	1:20:11	33.5	369275.8	6941881.6
20290	A	K	0.1	22.1	1	1:14:43	32.4	369378.7	6941849.6
20290	B	N	0.1	22.1	1	1:14:47	27.6	369417.9	6941917.5
20290	C	K	0.2	39.6	1	1:15:16	32.9	369576.0	6942444.6
20290	D	K	0.2	48.5	1	1:15:24	29.8	369649.7	6942632.1
20290	E	N	0.2	45.7	1	1:16:12	36.0	370018.6	6943627.3
20290	F	K	0.1	27.4	1	1:16:19	23.6	370067.5	6943756.5
20290	G	N	0.2	42.5	1	1:16:27	30.1	370129.8	6943884.3
20290	H	K	0.2	42.5	1	1:16:32	29.8	370168.2	6943970.9
20290	I	K	0.9	93.2	1	1:17:00	25.8	370353.7	6944492.0
20300	A	K	0.2	47.9	1	1:11:58	29.7	370265.7	6944059.1
20300	B	K	0.2	39.4	1	1:12:03	34.9	370214.7	6943947.6
20300	C	K	0.2	38.8	1	1:12:08	34.5	370185.3	6943860.2
20300	D	K	0.1	34.8	1	1:12:23	42.9	370083.5	6943504.8
20300	E	K	0.2	47.5	1	1:12:54	37.8	369752.2	6942614.4
20300	F	K	0.2	47.5	1	1:13:01	46.0	369680.1	6942409.6
20300	G	K	0.1	35.2	1	1:13:06	44.0	369637.5	6942277.1
20300	H	N	0.1	35.2	1	1:13:11	48.4	369598.7	6942142.3
20300	I	N	0.2	43.9	1	1:13:25	43.8	369450.8	6941772.3
20300	J	K	0.2	43.9	1	1:13:27	41.2	369424.7	6941717.0
20310	A	K	0.3	52.8	1	1:07:47	68.2	369519.5	6941651.8
20310	B	K	0.3	50.0	1	1:07:51	45.3	369555.3	6941717.4
20310	C	K	0.3	50.3	1	1:08:15	38.1	369709.9	6942190.3
20310	D	K	0.2	45.8	1	1:08:30	28.1	369825.9	6942506.9
20310	E	K	0.2	49.5	1	1:08:46	32.3	369951.0	6942829.3
20310	F	K	0.2	44.4	1	1:09:01	34.5	370065.2	6943151.8
20310	G	K	0.2	40.4	1	1:09:23	31.5	370222.1	6943602.9
20310	H	K	0.3	58.2	1	1:09:57	39.2	370452.9	6944206.9
20320	A	N	0.1	36.5	1	1:04:27	31.9	370444.4	6943892.6
20320	B	K	0.1	36.5	1	1:04:33	32.8	370399.8	6943764.0
20320	C	K	0.2	42.0	1	1:04:46	34.3	370297.1	6943503.1
20320	D	K	0.2	43.3	1	1:04:52	29.2	370249.2	6943374.7
20320	E	K	0.2	46.8	1	1:05:08	39.1	370126.4	6943010.8
20320	F	K	0.2	43.3	1	1:05:30	29.6	369946.9	6942518.6

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20320	G	N	0.2	43.3	1	1:05:34	28.2	369924.8	6942453.1
20320	H	K	0.2	38.4	1	1:05:37	34.9	369894.7	6942378.6
20320	I	K	0.2	47.0	1	1:05:52	30.7	369750.0	6942023.1
20330	A	K	0.1	32.2	1	1:00:08	47.3	369685.7	6941513.5
20330	B	K	0.3	50.6	1	1:00:28	30.2	369833.3	6941919.3
20330	C	K	0.1	22.3	1	1:00:46	29.0	369965.7	6942276.7
20330	D	K	0.3	49.5	1	1:01:10	44.2	370134.1	6942742.0
20330	E	K	0.2	42.2	1	1:01:34	27.5	370278.1	6943171.8
20330	F	K	0.2	46.1	1	1:01:48	30.1	370379.1	6943403.9
20330	G	N	0.3	52.3	1	1:02:10	40.1	370512.8	6943816.2
20330	H	K	0.3	52.3	1	1:02:14	35.2	370545.8	6943888.8
20340	A	K	0.7	83.2	1	0:56:39	35.1	370726.6	6944086.5
20340	B	K	0.3	52.7	1	0:56:51	29.0	370647.6	6943872.5
20340	C	K	0.3	56.8	1	0:57:06	36.5	370547.7	6943588.3
20340	D	N	0.2	47.2	1	0:57:15	30.0	370465.9	6943373.3
20340	E	K	0.2	48.7	1	0:57:27	29.7	370362.8	6943102.4
20340	F	K	0.2	44.5	1	0:57:42	33.5	370231.5	6942741.8
20340	G	K	0.2	39.1	1	0:58:10	26.9	370001.9	6942120.7
20340	H	K	0.3	52.8	1	0:58:22	33.1	369907.9	6941832.0
20340	I	K	0.2	47.4	1	0:58:38	40.4	369756.0	6941406.0
20350	A	N	0.2	49.5	1	0:52:50	30.4	369778.7	6941202.2
20350	B	K	0.2	49.5	1	0:52:57	31.5	369831.8	6941335.2
20350	C	K	0.4	59.9	1	0:53:17	33.7	369977.7	6941711.6
20350	D	K	0.2	46.0	1	0:53:30	33.5	370069.9	6941962.5
20350	E	K	0.3	52.1	1	0:53:46	34.4	370186.0	6942291.7
20350	F	K	0.4	60.2	1	0:54:41	36.2	370609.0	6943455.9
20350	G	K	0.7	85.0	1	0:54:57	34.9	370734.9	6943809.2
20350	H	K	0.7	85.6	1	0:55:06	45.8	370828.5	6944006.4
20360	A	K	0.6	77.1	1	0:49:41	39.6	370841.4	6943844.5
20360	B	K	0.6	75.1	1	0:49:55	34.8	370766.7	6943602.1
20360	C	K	0.3	53.9	1	0:50:12	32.3	370623.1	6943211.0
20360	D	N	0.3	51.7	1	0:50:16	32.2	370585.2	6943086.0
20360	E	K	0.3	51.7	1	0:50:20	36.0	370556.5	6942995.5
20360	F	K	0.3	51.7	1	0:50:53	33.9	370277.9	6942252.1
20360	G	N	0.3	51.7	1	0:50:57	36.3	370238.6	6942131.5
20360	H	K	0.2	43.8	1	0:51:06	30.9	370145.7	6941904.4
20360	I	K	0.2	44.3	1	0:51:27	32.1	369954.6	6941346.0
20370	A	K	0.4	59.1	1	0:43:32	32.8	369944.1	6941086.5
20370	B	N	0.4	59.1	1	0:43:34	30.1	369963.3	6941128.8
20370	C	K	0.4	63.0	1	0:44:25	32.3	370375.1	6942247.5

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20370	D	K	0.3	58.0	1	0:45:11	34.0	370690.4	6943080.2
20370	E	N	0.3	58.2	1	0:45:18	29.3	370736.1	6943215.5
20370	F	K	0.3	58.2	1	0:45:23	31.2	370768.3	6943299.6
20370	G	N	0.3	58.2	1	0:45:31	32.8	370810.0	6943469.9
20380	A	K	0.4	61.3	1	0:40:43	32.4	370870.9	6943372.5
20380	B	K	0.4	63.2	1	0:41:04	44.7	370715.0	6942812.7
20380	C	K	0.2	49.0	1	0:41:12	49.8	370617.7	6942550.7
20380	D	K	0.2	48.3	1	0:41:35	40.4	370343.9	6941845.0
20380	E	K	0.3	53.6	1	0:41:48	43.0	370208.2	6941436.4
20380	F	K	0.3	49.9	1	0:41:54	31.6	370137.8	6941254.0
20380	G	K	0.3	57.7	1	0:42:03	42.8	370036.4	6941003.8
20390	A	K	0.3	53.7	1	0:36:28	32.8	370133.7	6940976.5
20390	B	K	0.2	49.0	1	0:36:37	30.2	370175.3	6941158.8
20390	C	K	0.3	56.0	1	0:36:51	42.4	370281.6	6941429.6
20390	D	K	0.2	47.7	1	0:37:03	34.1	370378.0	6941657.3
20390	E	K	0.3	53.8	1	0:37:25	38.2	370537.7	6942105.0
20390	F	K	0.1	34.4	1	0:37:43	32.7	370652.7	6942443.0
20390	G	K	0.3	51.0	1	0:38:06	26.8	370828.9	6942874.7
20390	H	K	0.4	63.5	1	0:38:28	31.0	370964.2	6943328.0
20390	I	K	0.7	85.7	1	0:38:36	28.1	371025.5	6943482.3
20400	A	K	0.4	60.7	1	0:33:34	42.8	371099.2	6943322.2
20400	B	K	0.3	58.5	1	0:33:42	34.5	371027.4	6943130.2
20400	C	K	0.4	64.1	1	0:34:01	39.9	370841.0	6942659.4
20400	D	K	0.3	56.0	1	0:34:08	40.4	370782.6	6942466.3
20400	E	K	0.3	58.3	1	0:34:22	37.6	370657.5	6942100.4
20400	F	K	0.3	50.0	1	0:34:50	30.3	370385.8	6941395.0
20400	G	K	0.2	48.0	1	0:35:03	30.6	370280.2	6941093.2
20400	H	N	0.3	53.8	1	0:35:07	32.5	370238.9	6941002.1
20410	A	K	0.2	44.6	1	0:23:11	29.2	370356.6	6941105.3
20410	B	N	0.3	57.2	1	0:23:20	38.7	370435.5	6941276.0
20410	C	K	0.3	56.2	1	0:23:35	35.4	370542.0	6941557.1
20410	D	K	0.3	50.0	1	0:23:56	33.1	370726.2	6942026.6
20410	E	K	1.0	99.1	1	0:24:20	38.7	370907.3	6942550.3
20410	F	K	1.0	100.3	1	0:24:57	40.6	371234.2	6943437.4
20420	A	K	2.2	149.4	1	0:19:38	39.3	371408.2	6943670.1
20420	B	K	0.3	58.1	1	0:20:08	38.8	371218.9	6943094.2
20420	C	K	1.2	107.6	1	0:20:33	38.4	370977.9	6942422.5
20420	D	K	0.3	55.0	1	0:20:50	40.9	370822.0	6942013.5
20420	E	K	0.4	60.3	1	0:21:12	34.5	370624.5	6941466.3
20420	F	K	0.3	51.0	1	0:21:36	36.7	370405.1	6940849.2

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20430	A	K	0.2	43.8	1	0:16:03	28.5	370484.6	6940791.3
20430	B	K	0.4	59.5	1	0:16:34	38.9	370702.2	6941403.2
20430	C	K	3.5	186.5	1	0:17:18	40.4	371063.8	6942391.7
20430	D	K	0.4	60.0	1	0:17:43	31.4	371267.2	6942941.3
20430	E	K	0.4	65.2	1	0:17:59	48.9	371408.2	6943303.5
20440	A	K	0.4	58.8	1	0:13:07	36.8	371453.1	6943153.3
20440	B	K	0.4	59.4	1	0:13:23	29.7	371329.8	6942807.3
20440	C	K	3.4	183.2	1	0:13:44	31.0	371148.3	6942321.3
20440	D	K	0.4	61.4	1	0:14:27	34.5	370796.2	6941337.0
20440	E	K	0.3	58.1	1	0:14:38	34.4	370682.7	6941047.8
20440	F	K	0.2	46.0	1	0:14:46	36.4	370616.2	6940845.8
20450	A	K	0.3	50.1	1	0:08:42	39.0	370617.2	6940652.2
20450	B	N	0.6	76.6	1	0:08:56	39.6	370751.3	6940916.2
20450	C	K	0.6	76.6	1	0:09:01	35.7	370791.6	6940999.5
20450	D	K	0.7	84.1	1	0:09:31	36.7	370989.8	6941587.4
20450	E	K	2.3	151.6	1	0:09:50	37.9	371133.9	6942016.7
20450	F	K	4.3	207.6	1	0:10:03	44.2	371245.6	6942334.6
20450	G	K	0.3	55.0	1	0:10:32	33.2	371497.6	6942962.4
20450	H	K	1.6	127.1	1	0:10:58	37.4	371698.6	6943538.5
20460	A	K	1.8	132.3	1	0:05:24	33.5	371749.4	6943446.2
20460	B	N	6.5	255.5	1	0:05:56	42.6	371558.2	6942815.5
20460	C	K	6.5	255.5	1	0:06:21	33.4	371320.1	6942217.9
20460	D	K	2.4	154.0	1	0:06:27	41.8	371261.1	6942057.9
20460	E	K	1.1	102.5	1	0:06:46	30.7	371100.2	6941580.0
20460	F	K	0.4	66.1	1	0:07:20	27.9	370787.9	6940720.2
20470	A	K	0.5	72.4	1	0:01:43	43.2	370856.2	6940582.8
20470	B	K	0.7	85.6	1	0:02:10	39.6	371053.2	6941150.1
20470	C	K	1.2	109.3	1	0:02:26	30.4	371185.2	6941505.6
20470	D	K	2.1	143.0	1	0:02:48	30.3	371355.7	6941984.8
20470	E	N	11.6	341.0	1	0:02:53	42.9	371387.3	6942099.1
20470	F	K	11.6	341.0	1	0:02:55	44.3	371408.0	6942154.8
20470	G	K	1.5	121.8	1	0:03:07	34.7	371502.3	6942424.3
20470	H	K	1.6	125.2	1	0:03:52	31.5	371852.0	6943388.2
20480	A	K	0.4	59.3	1	23:58:44	45.1	371809.3	6942974.4
20480	B	K	0.4	59.6	1	23:58:55	31.2	371722.9	6942724.9
20480	C	K	4.6	213.8	1	23:59:25	33.5	371466.9	6942010.7
20480	D	K	7.5	274.5	1	23:59:34	39.0	371393.7	6941816.5
20480	E	K	1.6	127.8	1	23:59:46	26.3	371288.1	6941501.7
20480	F	K	0.8	91.3	1	0:00:00	32.2	371165.7	6941186.3
20480	G	K	0.4	65.9	1	0:00:27	34.1	370900.5	6940494.1

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20490	A	K	0.5	67.6	1	23:54:35	41.4	370998.3	6940480.3
20490	B	K	0.6	78.7	1	23:55:05	31.7	371252.2	6941119.3
20490	C	N	1.1	107.0	1	23:55:14	34.5	371338.5	6941323.9
20490	D	K	1.1	107.0	1	23:55:16	29.5	371356.8	6941381.0
20490	E	K	5.3	229.3	1	23:55:42	39.2	371544.3	6941941.9
20490	F	K	0.3	58.4	1	23:56:26	44.3	371894.9	6942908.1
20500	A	K	0.3	56.7	1	23:51:20	37.7	372016.5	6942910.5
20500	B	K	9.5	308.4	1	23:52:05	26.5	371632.7	6941893.5
20500	C	K	0.3	50.0	1	23:52:40	34.3	371342.0	6941112.4
20500	D	K	0.4	64.6	1	23:53:05	37.7	371121.6	6940493.6
20510	A	K	0.2	46.1	1	23:47:10	36.4	371221.6	6940513.7
20510	B	K	0.1	35.3	1	23:47:23	31.8	371335.4	6940802.3
20510	C	K	0.1	33.5	1	23:47:30	29.9	371411.3	6940983.0
20510	D	N	0.1	26.4	1	23:47:35	32.6	371451.0	6941115.3
20510	E	K	0.1	26.4	1	23:47:39	32.7	371481.1	6941202.8
20510	F	K	6.3	251.2	1	23:48:05	32.7	371710.8	6941825.9
20510	G	K	8.1	285.3	1	23:48:14	33.4	371787.9	6942009.2
20510	H	K	1.9	138.9	1	23:48:24	25.4	371854.9	6942200.9
20520	A	K	0.3	51.7	1	23:44:05	34.9	372135.9	6942723.5
20520	B	K	2.5	159.3	1	23:44:49	38.1	371796.2	6941758.9
20520	C	K	0.4	66.2	1	23:45:10	27.0	371623.9	6941271.8
20520	D	K	0.4	59.4	1	23:45:25	29.6	371491.5	6940926.4
20520	E	K	0.2	42.9	1	23:45:44	29.5	371330.8	6940477.6
20530	A	K	0.3	57.8	1	23:39:56	47.8	371423.5	6940390.2
20530	B	K	0.5	71.0	1	23:40:20	35.1	371578.6	6940928.6
20530	C	K	0.5	71.5	1	23:40:33	32.7	371677.8	6941201.6
20530	D	K	2.6	159.8	1	23:40:56	34.3	371887.0	6941704.1
20530	E	K	0.5	68.5	1	23:41:20	34.2	372073.1	6942228.7
20530	F	K	0.3	57.8	1	23:41:47	43.4	372280.9	6942823.3
20540	A	K	0.4	59.5	1	23:37:01	27.0	372201.1	6942273.0
20540	B	K	2.6	161.3	1	23:37:29	40.2	371941.3	6941564.0
20540	C	K	0.2	45.1	1	23:38:22	34.8	371498.4	6940358.7
20550	A	K	0.3	57.3	1	23:32:33	45.2	371581.4	6940290.5
20550	B	K	0.5	73.2	1	23:33:16	35.8	371919.2	6941219.5
20550	C	K	1.0	101.8	1	23:33:24	39.0	371983.9	6941409.0
20550	D	K	4.5	211.9	1	23:33:39	35.7	372099.4	6941728.3
20550	E	K	3.2	179.4	1	23:33:46	29.6	372161.1	6941885.9
20550	F	K	0.8	89.2	1	23:33:56	34.7	372233.5	6942093.1
20560	A	K	0.3	54.9	1	23:28:09	34.5	372607.7	6942795.7
20560	B	K	0.3	58.5	1	23:28:15	33.9	372567.9	6942719.2

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
20560	C	K	0.3	50.5	1	23:28:22	33.7	372514.6	6942634.6
20560	D	K	0.2	48.7	1	23:28:35	29.4	372440.7	6942426.2
20560	E	K	0.3	55.5	1	23:28:46	35.0	372394.2	6942236.6
20560	F	K	1.5	120.2	1	23:29:06	31.8	372250.6	6941861.7
20560	G	K	4.5	211.5	1	23:29:16	40.5	372176.3	6941658.8
20560	H	K	1.4	116.1	1	23:29:28	26.0	372084.5	6941404.4
20560	I	K	0.3	49.9	1	23:29:43	38.0	371972.4	6941080.9
20560	J	K	0.2	44.7	1	23:30:24	40.1	371618.9	6940126.3
29011	A	K	0.1	31.3	2	19:15:20	27.1	368554.2	6945083.6
29011	B	K	0.3	56.1	2	19:16:35	25.7	370220.7	6944473.2
29011	D	K	0.8	91.3	2	19:16:49	32.1	370540.3	6944355.5
29021	A	K	0.2	46.9	2	19:09:27	30.7	371184.2	6943056.4
29021	B	K	0.4	64.3	2	19:09:36	37.9	370991.2	6943126.9
29021	C	K	0.5	68.0	2	19:09:46	35.8	370774.9	6943206.7
29021	D	K	0.4	60.7	2	19:09:58	41.5	370529.5	6943298.8
29021	E	N	0.4	60.7	2	19:10:02	38.3	370430.8	6943340.3
29021	F	K	0.3	50.6	2	19:10:11	30.9	370257.7	6943401.9
29021	G	K	0.4	59.1	2	19:10:38	28.1	369762.6	6943571.7
29031	A	K	1.6	124.7	2	19:05:26	31.9	371288.0	6941956.8
29031	D	K	5.0	224.0	2	19:05:39	38.8	371639.2	6941839.6
29031	E	K	3.5	187.4	2	19:05:46	36.8	371837.2	6941763.6
29041	A	K	0.2	45.7	2	18:56:55	27.9	371315.6	6940897.1
29041	C	K	0.2	43.8	2	18:57:39	23.8	370376.0	6941232.7
29041	D	K	0.2	45.9	2	18:57:52	29.8	370122.9	6941315.5

KIWI BLOCK

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3010	A	N	4.1	203.3	4	19:51:42	32.7	354144.3	6945831.3
3010	C	K	4.1	203.3	4	19:51:48	29.5	354016.8	6945749.5
3010	E	K	3.4	184.0	4	19:52:08	32.0	353551.5	6945427.0
3010	G	K	0.2	40.1	4	19:53:02	29.0	352461.6	6944652.0
3010	I	K	0.1	34.4	4	19:53:25	32.1	351965.9	6944330.4
3020	A	N	0.9	92.4	4	19:47:31	57.3	352012.9	6944211.5
3020	C	K	0.9	92.4	4	19:47:36	51.9	352064.8	6944267.1
3020	E	K	0.3	54.4	4	19:47:59	30.6	352448.2	6944523.4
3020	G	K	1.4	116.6	4	19:48:46	37.3	353382.6	6945180.4
3020	I	K	3.4	183.1	4	19:48:56	45.8	353576.3	6945321.5
3020	K	K	3.5	187.4	4	19:49:21	34.2	354090.6	6945662.0
3020	M	K	1.6	127.0	4	19:49:39	34.1	354424.8	6945917.5

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3030	A	K	1.9	137.6	4	19:43:27	33.5	354522.6	6945857.7
3030	C	K	3.9	198.4	4	19:43:36	32.9	354316.9	6945712.3
3030	E	K	4.7	217.5	4	19:43:46	34.9	354082.6	6945555.8
3030	G	K	1.4	117.6	4	19:44:06	36.9	353619.8	6945233.4
3030	I	K	0.2	46.8	4	19:44:52	29.2	352715.8	6944595.1
3030	K	K	2.5	157.6	4	19:45:22	48.7	352099.9	6944159.2
3040	A	K	2.9	169.8	4	19:39:39	52.9	352183.8	6944101.1
3040	C	K	1.7	131.9	4	19:40:00	38.1	352498.1	6944305.2
3040	E	K	0.3	54.7	4	19:40:20	47.0	352881.0	6944571.0
3040	G	K	1.7	130.8	4	19:40:58	38.5	353676.1	6945152.9
3040	I	K	3.0	172.7	4	19:41:17	30.3	354062.9	6945410.5
3040	K	N	3.0	172.7	4	19:41:44	36.2	354663.2	6945828.9
3050	A	K	2.0	142.6	4	19:35:44	31.2	354680.9	6945710.0
3050	C	N	2.0	142.6	4	19:35:47	33.6	354605.8	6945664.0
3050	E	K	2.0	142.1	4	19:35:55	30.6	354453.7	6945560.8
3050	G	K	1.6	127.3	4	19:36:09	38.6	354152.7	6945357.9
3050	I	K	1.1	106.9	4	19:36:32	39.4	353662.6	6945011.8
3050	K	K	0.2	44.5	4	19:37:01	36.0	353035.1	6944571.8
3050	M	N	1.6	127.7	4	19:37:08	32.8	352890.8	6944480.2
3050	O	K	1.6	127.7	4	19:37:11	31.8	352820.3	6944433.7
3050	Q	K	1.5	121.2	4	19:37:45	35.7	352188.1	6943975.5
3060	A	K	2.0	140.7	4	19:28:14	35.9	352648.5	6944179.5
3060	C	K	1.3	113.8	4	19:29:10	42.9	353724.7	6944933.4
3060	E	K	3.7	192.6	4	19:29:38	38.6	354305.0	6945336.7
3060	H	N	2.1	143.1	4	19:30:01	37.1	354814.9	6945708.8
3070	B	K	2.0	142.8	4	19:23:53	33.6	354832.3	6945602.0
3070	D	N	2.0	142.8	4	19:23:58	39.9	354726.6	6945525.9
3070	F	K	1.8	135.1	4	19:24:05	33.1	354547.6	6945392.7
3070	H	N	1.8	135.1	4	19:24:09	31.9	354455.1	6945328.4
3070	J	K	1.8	134.2	4	19:24:14	35.6	354352.9	6945252.9
3070	L	K	1.3	112.8	4	19:24:39	28.0	353810.1	6944870.7
3070	N	K	0.6	74.6	4	19:25:06	29.5	353283.1	6944510.8
3070	P	N	1.3	115.4	4	19:25:13	34.7	353152.5	6944415.2
3070	R	K	1.3	115.4	4	19:25:17	31.6	353059.1	6944354.7
3070	T	N	2.9	170.8	4	19:25:26	40.4	352881.2	6944226.7
3070	V	K	2.9	170.8	4	19:25:31	34.4	352778.3	6944158.8
3080	B	N	1.4	116.0	4	19:19:50	37.3	352415.5	6943776.1
3080	D	K	2.8	167.7	4	19:19:57	29.1	352515.1	6943842.9
3080	F	K	1.2	110.2	4	19:20:34	40.3	353113.0	6944255.0
3080	I	K	1.3	115.4	4	19:21:13	41.4	353780.7	6944726.4

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3080	M	K	2.3	152.2	4	19:21:21	42.9	353943.8	6944833.2
3080	O	N	2.3	152.2	4	19:21:28	32.6	354065.5	6944909.0
3080	Q	K	1.6	128.0	4	19:21:43	38.2	354362.8	6945123.3
3080	S	K	2.3	151.3	4	19:21:57	34.5	354676.7	6945354.4
3090	A	K	1.9	137.5	4	19:12:33	38.3	354836.1	6945363.0
3090	C	K	1.9	136.4	4	19:13:05	29.5	354210.8	6944910.3
3090	D	K	1.8	132.5	4	19:13:18	37.3	353955.5	6944730.4
3090	F	K	1.3	115.9	4	19:13:26	28.7	353777.7	6944611.9
3090	H	K	0.8	90.9	4	19:13:46	44.2	353372.1	6944328.4
3090	I	K	0.5	67.8	4	19:14:09	48.3	352919.8	6944001.4
3100	A	K	0.7	83.2	4	19:06:53	33.9	352539.3	6943619.5
3100	C	K	0.3	55.7	4	19:07:34	38.0	353199.2	6944069.5
3100	E	K	1.3	112.6	4	19:08:08	31.6	353786.7	6944503.2
3100	G	K	1.9	137.1	4	19:08:19	31.1	354011.5	6944654.9
3100	I	K	1.6	126.5	4	19:08:47	40.9	354554.4	6945029.2
3100	J	N	1.6	126.5	4	19:09:14	42.7	355076.9	6945384.3
3110	A	K	0.9	95.2	4	19:02:22	30.3	355138.0	6945290.4
3110	C	K	1.5	122.7	4	19:02:44	30.1	354716.0	6945040.4
3110	E	K	1.3	111.6	4	19:03:35	31.9	353727.6	6944309.3
3110	H	K	0.3	54.1	4	19:03:58	31.0	353323.5	6944041.6
3110	J	N	0.3	51.8	4	19:04:01	30.7	353266.0	6943997.3
3110	L	K	0.3	51.8	4	19:04:04	36.4	353205.4	6943969.8
3110	N	N	0.3	51.8	4	19:04:57	39.7	352585.2	6943541.9
3120	A	K	0.7	84.5	4	18:56:00	37.4	352716.9	6943499.7
3120	C	N	0.7	84.5	4	18:56:03	35.2	352761.1	6943521.6
3120	E	K	0.3	58.0	4	18:56:51	33.5	353407.5	6943981.7
3120	G	N	0.3	58.0	4	18:56:58	45.6	353519.5	6944059.2
3120	I	K	0.9	96.4	4	18:57:20	35.3	353830.7	6944250.3
3120	K	N	0.6	77.3	4	18:57:35	32.1	354078.7	6944437.7
3120	M	K	0.6	77.3	4	18:57:40	35.2	354170.0	6944500.9
3120	O	K	0.5	70.8	4	18:57:59	37.2	354536.0	6944771.9
3120	Q	K	1.0	97.6	4	18:58:30	38.7	355150.8	6945201.3
3130	A	K	0.8	91.6	4	18:51:07	40.7	355259.1	6945167.5
3130	D	K	0.8	86.9	4	18:51:16	35.7	355094.5	6945050.8
3130	F	K	0.4	65.6	4	18:51:38	34.2	354657.1	6944738.6
3130	H	K	0.4	60.6	4	18:51:57	26.6	354286.5	6944487.7
3130	J	K	0.8	87.1	4	18:52:20	33.6	353869.1	6944180.0
3130	M	K	0.3	53.0	4	18:52:49	35.0	353447.1	6943883.8
3140	A	K	0.4	60.7	4	18:47:18	43.1	352882.2	6943377.7
3140	C	K	0.9	96.5	4	18:48:24	46.3	353909.0	6944094.4

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3140	D	K	1.1	102.7	4	18:48:38	40.9	354132.0	6944254.3
3140	E	K	0.5	67.8	4	18:49:15	45.2	354800.6	6944727.3
3140	G	N	0.9	92.7	4	18:49:35	39.5	355196.2	6944999.3
3150	A	K	0.8	90.2	4	18:43:15	29.6	355216.3	6944894.5
3150	C	K	1.1	105.9	4	18:44:12	30.9	354152.8	6944132.5
3150	E	N	1.1	106.7	4	18:44:17	30.3	354058.0	6944072.1
3150	G	K	1.1	106.7	4	18:44:21	31.4	353990.4	6944013.7
3150	I	K	0.3	52.3	4	18:44:49	30.8	353555.5	6943716.1
3150	K	K	0.3	53.6	4	18:45:06	38.9	353260.6	6943515.2
3150	M	N	0.3	53.6	4	18:45:11	38.1	353195.1	6943482.6
3150	O	K	0.3	53.5	4	18:45:19	31.7	353068.2	6943384.8
3160	A	K	0.3	54.3	4	18:39:54	39.8	353110.8	6943282.4
3160	C	N	0.1	36.3	4	18:39:59	38.8	353193.9	6943357.9
3160	E	K	0.1	36.3	4	18:40:02	42.2	353259.7	6943399.1
3160	G	N	0.1	36.3	4	18:40:07	40.8	353358.8	6943451.8
3160	I	K	1.2	109.2	4	18:40:43	31.0	353983.8	6943896.0
3160	K	K	1.4	117.4	4	18:40:53	31.8	354138.1	6944008.7
3160	M	N	1.3	112.1	4	18:40:57	30.6	354216.4	6944063.5
3160	Q	K	0.8	91.3	4	18:41:58	52.8	355461.9	6944940.8
3170	B	K	0.9	92.9	4	18:33:49	28.3	355342.4	6944734.0
3170	D	K	1.4	119.8	4	18:34:39	27.7	354358.7	6944051.7
3170	F	N	1.4	119.8	4	18:34:43	26.4	354297.3	6944003.6
3170	H	K	1.0	102.2	4	18:34:48	30.0	354197.9	6943927.7
3170	J	N	0.3	50.5	4	18:35:23	39.0	353561.2	6943483.0
3170	L	K	0.3	50.5	4	18:35:29	28.5	353465.9	6943405.6
3170	N	K	0.3	51.2	4	18:35:41	33.9	353281.8	6943282.1
3170	P	K	0.3	57.5	4	18:35:53	32.9	353087.6	6943160.7
3180	A	K	0.3	57.6	4	18:29:40	36.4	352993.3	6942966.9
3180	B	K	0.4	60.7	4	18:30:15	44.4	353544.4	6943341.9
3180	C	K	0.4	62.8	4	18:30:27	44.4	353708.8	6943467.6
3180	E	K	1.4	116.1	4	18:31:06	42.0	354353.2	6943906.8
3180	G	N	1.4	116.1	4	18:31:16	45.1	354542.8	6944046.3
3180	I	K	1.0	100.7	4	18:31:53	38.8	355386.7	6944625.3
3180	K	N	1.0	100.7	4	18:32:01	51.7	355548.9	6944764.0
3190	B	K	0.3	55.5	4	18:26:28	39.1	354999.1	6944242.5
3190	D	K	0.3	51.9	4	18:26:41	39.2	354728.8	6944050.6
3190	F	K	1.1	105.9	4	18:27:00	30.9	354328.0	6943775.5
3190	H	N	1.1	105.9	4	18:27:06	33.4	354218.2	6943693.3
3190	J	K	0.8	89.6	4	18:27:12	41.2	354088.4	6943600.4
3190	K	K	0.3	58.6	4	18:27:59	31.5	353244.4	6943018.4

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3200	A	K	0.4	61.6	4	18:22:19	36.7	353239.6	6942907.1
3200	C	K	0.7	81.1	4	18:22:40	39.6	353588.0	6943130.4
3200	E	N	1.0	100.5	4	18:23:06	30.9	354022.4	6943433.8
3200	G	K	1.0	100.5	4	18:23:21	29.2	354303.4	6943632.9
3200	I	K	1.4	119.0	4	18:23:35	35.2	354587.2	6943830.3
3200	K	K	1.1	102.3	4	18:24:13	44.1	355457.4	6944439.8
3200	M	N	1.1	102.3	4	18:24:17	54.3	355538.9	6944502.2
3200	O	K	0.8	90.6	4	18:24:28	38.7	355706.2	6944629.3
3210	B	N	0.4	65.8	4	18:19:30	31.0	354945.0	6943955.5
3210	D	K	0.6	74.0	4	18:19:40	33.4	354679.8	6943775.0
3210	F	N	0.6	74.0	4	18:19:43	34.6	354599.3	6943710.2
3210	H	K	1.5	124.2	4	18:19:48	34.8	354463.3	6943618.6
3210	J	K	0.8	88.0	4	18:19:54	32.9	354310.2	6943508.2
3210	L	K	0.3	58.0	4	18:20:08	34.8	353945.0	6943283.4
3210	N	K	1.1	103.4	4	18:20:27	37.1	353577.7	6943006.9
3210	P	K	0.5	70.2	4	18:20:47	33.9	353209.4	6942751.3
3220	A	K	0.6	76.2	4	18:15:19	43.3	353311.6	6942705.6
3220	C	N	0.6	76.2	4	18:15:24	37.1	353392.8	6942731.4
3220	E	N	0.6	79.9	4	18:15:46	48.4	353774.0	6943021.6
3220	G	K	0.6	79.9	4	18:15:51	42.0	353851.5	6943081.7
3220	I	K	0.5	66.8	4	18:16:01	38.9	354054.0	6943220.3
3220	K	K	0.9	96.7	4	18:16:18	38.2	354406.6	6943465.2
3220	M	K	1.6	127.9	4	18:16:22	35.9	354490.9	6943529.6
3220	O	N	0.5	71.4	4	18:16:28	37.7	354630.4	6943615.9
3220	Q	K	0.5	71.4	4	18:16:32	34.3	354737.6	6943684.1
3220	T	K	1.1	104.2	4	18:17:11	41.1	355566.6	6944270.4
3230	B	K	0.4	63.5	4	18:12:58	32.7	354881.3	6943676.7
3230	D	K	1.4	120.1	4	18:13:15	27.2	354468.0	6943382.7
3230	F	K	1.1	102.8	4	18:13:27	39.2	354154.5	6943161.9
3230	H	K	0.6	78.5	4	18:13:38	36.0	353887.6	6942982.7
3230	J	K	1.0	99.9	4	18:13:57	42.2	353442.1	6942666.7
3240	A	K	1.0	101.7	4	18:09:13	33.6	353976.6	6942926.7
3240	D	K	1.4	119.8	4	18:09:37	33.6	354499.2	6943286.7
3240	F	K	0.4	60.7	4	18:09:58	29.3	354947.6	6943595.1
3240	H	K	0.4	66.0	4	18:10:11	38.7	355233.3	6943807.9
3240	J	K	1.1	103.9	4	18:10:33	37.7	355704.7	6944122.7
3250	A	K	1.1	106.1	4	18:03:57	40.8	355837.0	6944109.6
3250	C	K	0.9	97.2	4	18:04:09	30.4	355592.3	6943936.6
3250	E	K	0.1	24.7	4	18:04:34	32.9	355194.8	6943642.0
3250	G	K	1.1	103.2	4	18:05:01	28.2	354594.9	6943233.0

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3250	I	K	0.6	78.2	4	18:05:11	33.2	354344.4	6943050.2
3250	K	K	0.7	81.5	4	18:05:22	32.0	354068.8	6942857.8
3260	A	K	1.7	129.7	3	1:04:21	42.1	356044.7	6944083.0
3260	C	N	1.7	129.7	3	1:04:24	39.2	355980.2	6944060.5
3260	E	K	1.6	127.6	3	1:04:28	43.2	355913.4	6944020.6
3260	G	N	1.6	127.6	3	1:04:31	47.8	355870.8	6943989.4
3260	J	K	0.2	49.3	3	1:05:08	27.5	355238.8	6943549.6
3260	L	K	1.5	123.0	3	1:05:31	30.7	354722.0	6943192.4
3260	N	K	1.4	117.4	3	1:05:45	36.2	354420.6	6942980.4
3260	Q	K	1.6	124.5	3	1:06:16	36.4	353750.3	6942503.7
3260	S	N	1.6	124.5	3	1:06:25	41.7	353542.3	6942382.8
3270	A	K	1.5	123.9	3	1:01:07	42.6	353769.2	6942393.0
3270	C	K	1.2	109.2	3	1:01:26	41.5	354126.5	6942652.5
3270	E	K	0.8	90.5	3	1:01:43	31.5	354490.9	6942914.0
3270	G	N	0.8	90.5	3	1:01:45	30.5	354534.4	6942948.9
3270	I	K	1.2	111.4	3	1:01:51	30.9	354643.1	6943020.7
3270	K	K	0.6	77.7	3	1:02:21	33.4	355272.2	6943461.1
3270	M	K	1.0	100.0	3	1:02:32	39.1	355536.4	6943623.1
3270	O	K	1.9	138.2	3	1:02:57	41.6	356036.9	6943984.5
3280	A	K	2.1	145.0	3	0:57:25	35.2	356141.0	6943933.9
3280	C	K	1.7	131.6	3	0:57:38	39.3	355916.4	6943784.4
3280	E	K	0.7	80.4	3	0:58:02	25.6	355481.7	6943494.3
3280	G	K	1.0	101.3	3	0:58:33	25.9	354851.7	6943044.6
3280	I	K	0.7	83.6	3	0:58:47	38.0	354527.9	6942809.0
3280	K	K	1.4	119.9	3	0:59:19	32.4	353833.5	6942324.4
3290	A	K	1.4	118.8	3	0:53:41	35.3	353849.1	6942234.0
3290	C	K	0.8	91.2	3	0:54:17	28.3	354571.9	6942724.8
3290	E	N	0.8	91.2	3	0:54:21	28.3	354637.3	6942776.0
3290	G	K	1.3	113.6	3	0:54:25	30.4	354721.6	6942829.3
3290	I	K	0.8	87.9	3	0:54:58	27.2	355395.2	6943294.0
3290	J	K	0.7	85.4	3	0:55:02	27.7	355463.8	6943351.3
3290	K	K	2.0	139.7	3	0:55:38	30.9	356093.1	6943773.4
3300	B	N	1.1	106.6	3	0:48:22	40.9	356293.8	6943791.9
3300	D	K	1.3	113.7	3	0:48:32	30.8	356114.1	6943674.5
3300	F	K	0.8	91.9	3	0:49:05	29.8	355544.7	6943274.6
3300	H	N	0.9	94.0	3	0:49:09	25.7	355464.6	6943228.8
3300	J	K	0.9	94.0	3	0:49:12	26.5	355426.4	6943195.6
3300	L	N	0.9	94.0	3	0:49:21	30.3	355260.1	6943091.3
3300	N	K	0.7	83.1	3	0:49:32	34.0	355035.1	6942931.2
3300	P	N	0.7	83.1	3	0:49:35	33.7	354976.6	6942893.6

Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3300	R	K	0.7	85.9	3	0:49:46	33.0	354754.0	6942722.2
3300	T	K	1.6	124.9	3	0:50:00	31.0	354471.6	6942541.5
3300	V	K	1.2	109.6	3	0:50:30	33.5	353930.7	6942139.3
3310	A	K	1.0	97.6	3	0:44:56	36.3	354053.0	6942118.7
3310	B	K	0.8	89.0	3	0:45:31	27.3	354779.8	6942618.7
3310	D	N	1.1	103.4	3	0:45:38	27.2	354920.6	6942715.0
3310	F	K	1.1	103.4	3	0:45:40	28.6	354973.7	6942757.5
3310	H	N	0.9	92.7	3	0:45:44	29.0	355039.6	6942812.0
3310	K	N	0.6	78.9	3	0:45:56	29.4	355313.4	6943011.3
3310	N	N	0.6	78.9	3	0:46:14	48.5	355659.1	6943261.1
3310	P	N	1.1	102.9	3	0:46:36	46.2	356052.9	6943509.2
3310	R	K	1.1	102.9	3	0:46:44	34.2	356176.3	6943619.7
3310	T	N	1.5	123.1	3	0:46:51	36.5	356304.0	6943721.4
3320	A	K	1.0	100.1	3	0:40:52	25.5	356397.9	6943638.1
3320	C	K	1.0	99.2	3	0:41:14	43.6	356036.9	6943397.4
3320	E	K	0.1	33.2	3	0:41:40	27.2	355638.8	6943108.9
3320	G	K	0.5	71.4	3	0:41:54	31.3	355466.8	6942989.0
3320	I	K	1.0	99.4	3	0:42:14	34.5	355066.8	6942691.1
3320	K	N	1.0	99.4	3	0:42:16	35.0	355021.0	6942653.5
3320	M	K	0.5	73.7	3	0:42:25	30.5	354808.9	6942520.5
3320	O	K	1.0	99.8	3	0:42:37	33.2	354556.7	6942357.5
3320	Q	K	1.5	120.6	3	0:43:00	31.2	354104.1	6942014.8
3330	A	K	2.1	145.5	3	0:36:39	33.2	354119.5	6941907.1
3330	C	K	0.9	95.1	3	0:37:16	28.9	354848.6	6942422.5
3330	E	N	1.4	116.4	3	0:37:25	26.4	355020.6	6942560.5
3330	H	K	0.7	86.2	3	0:37:36	30.7	355228.1	6942705.4
3330	I	N	0.7	86.2	3	0:37:43	28.0	355373.6	6942800.9
3330	L	K	1.0	98.8	3	0:38:33	47.4	356144.7	6943326.5
3330	N	K	1.2	110.0	3	0:38:51	31.0	356400.6	6943512.9
3330	P	N	1.2	110.0	3	0:38:56	28.8	356464.4	6943576.0
3340	A	K	0.7	84.5	3	0:31:46	28.9	356517.8	6943479.6
3340	C	K	0.5	69.5	3	0:32:12	26.7	356138.4	6943210.5
3340	E	N	0.5	68.7	3	0:32:18	33.8	356043.4	6943156.7
3340	G	K	0.5	68.7	3	0:32:21	34.5	356022.9	6943133.9
3340	I	N	0.5	68.7	3	0:32:25	35.2	355993.1	6943091.0
3340	K	K	0.1	34.5	3	0:32:29	31.2	355956.8	6943064.2
3340	M	K	0.6	79.8	3	0:34:22	29.9	355031.6	6942435.7
3340	O	N	1.0	97.3	3	0:34:26	26.2	354968.4	6942396.2
3340	S	K	1.9	137.2	3	0:34:43	38.2	354647.0	6942171.1
3340	U	K	2.6	161.6	3	0:35:09	26.0	354234.4	6941879.4

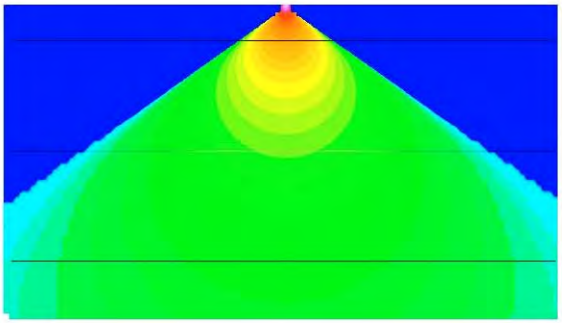
Line	Anom	ID	Cond (S)	Tau (µs)	Flight #	UTC Time	Bird height(m)	Easting(m)	Northing(m)
3350	A	K	1.8	135.8	4	19:58:02	32.3	354027.5	6941622.1
3350	B	N	1.8	135.8	4	19:58:06	31.3	354107.6	6941688.9
3350	D	K	1.6	128.0	4	19:58:11	31.1	354213.1	6941754.3
3350	F	K	3.3	181.2	4	19:58:33	37.9	354678.0	6942046.9
3350	H	N	3.3	181.2	4	19:58:37	34.8	354752.9	6942112.3
3350	J	K	1.3	112.3	4	19:58:46	32.0	354914.8	6942240.9
3350	L	K	1.5	121.4	4	19:58:54	29.3	355085.4	6942365.9
3350	N	K	0.1	21.5	4	19:59:24	31.1	355707.3	6942780.7
3350	P	K	1.5	121.9	4	19:59:52	44.4	356145.3	6943086.1
3350	R	K	1.1	103.4	4	20:00:17	27.0	356554.1	6943365.4
3360	B	K	0.1	36.0	3	0:24:46	32.1	355943.2	6942826.4
3370	B	N	3.2	178.6	3	0:20:40	57.6	354676.6	6941831.1
3370	D	K	3.2	178.6	3	0:20:44	47.9	354757.6	6941880.3
3370	F	K	0.7	84.9	3	0:21:01	28.4	355035.8	6942069.6
3370	H	K	0.7	83.4	3	0:21:16	32.2	355303.7	6942264.5
3370	J	K	0.1	35.0	3	0:21:57	35.4	356052.2	6942787.5
3370	L	K	0.6	80.2	3	0:22:22	31.6	356432.6	6943053.8
3370	M	K	0.5	72.5	3	0:22:36	25.8	356666.0	6943205.5
3910	C	K	0.1	22.8	3	23:59:39	34.3	354898.5	6944809.0
3910	D	K	0.0	21.0	3	23:59:47	35.8	355023.0	6944626.9
3910	E	K	0.0	11.4	3	0:00:18	27.6	355480.8	6943986.3
3910	G	K	0.0	14.6	3	0:00:48	42.8	355886.0	6943402.0
3920	A	K	0.0	14.9	3	0:04:45	29.3	355219.1	6942636.7
3920	C	K	0.0	20.8	3	0:05:01	35.2	354997.6	6942924.0
3920	F	K	0.7	84.5	3	0:05:35	32.7	354536.1	6943594.2
3920	H	K	1.5	123.0	3	0:05:54	36.8	354282.6	6943952.4
3920	J	N	0.6	79.9	3	0:06:25	28.0	353898.3	6944506.1
3920	M	N	0.6	79.9	3	0:06:35	31.3	353753.4	6944696.9
3920	O	K	0.6	77.3	3	0:06:39	34.2	353688.7	6944791.5
3920	Q	K	0.7	81.3	3	0:06:53	37.8	353474.7	6945107.5
3930	E	K	0.7	82.2	3	0:11:37	27.5	352737.0	6944386.8
3930	I	K	0.3	50.9	3	0:11:59	35.4	353066.4	6943975.0
3930	M	K	0.1	28.3	3	0:12:31	26.4	353412.0	6943441.3
3930	O	K	1.6	126.3	3	0:12:52	38.9	353616.9	6943147.3
3930	Q	K	2.0	141.0	3	0:13:09	25.6	353765.8	6942936.5
3930	S	K	1.7	131.6	3	0:13:21	36.5	353868.5	6942796.9
3930	V	K	4.1	202.0	3	0:14:24	28.6	354574.5	6941763.6

APPENDIX 4: AEROTEM DESIGN CONSIDERATIONS

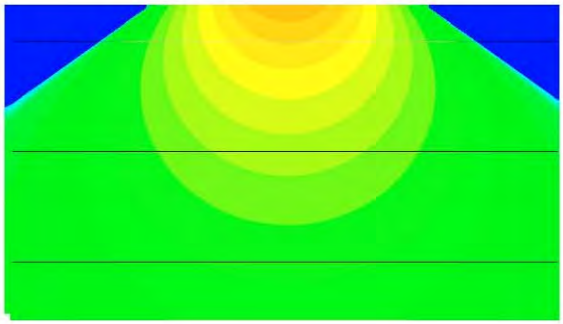
Helicopter-borne EM systems offer an advantage that cannot be matched from a fixed-wing platform. The ability to fly at slower speed and collect data with high spatial resolution, and with great accuracy, means the helicopter EM systems provide more detail than any other EM configuration, airborne or ground-based. Spatial resolution is especially important in areas of complex geology and in the search for discrete conductors. With the advent of helicopter-borne high-moment time domain EM systems the fixed wing platforms are losing their *only* advantage – depth penetration.

Advantage 1 – Spatial Resolution

The AeroTEM system is specifically designed to have a small footprint. This is accomplished through the use of concentric transmitter-receiver coils and a relatively small diameter transmitter coil (5 m). The result is a highly focused exploration footprint, which allows for more accurate "mapping" of discrete conductors. Consider the transmitter primary field images shown in Figure 1, for AeroTEM versus a fixed-wing transmitter.



The footprint of AeroTEM at the earth's surface is roughly 50m on either side of transmitter



The footprint of a fixed-wing system is roughly 150 m on either side of the transmitter

Figure 1. A comparison of the footprint between AeroTEM and a fixed-wing system, highlights the greater resolution that is achievable with a transmitter located closer to the earth's surface. The AeroTEM footprint is one third that of a fixed-wing system and is symmetric, while the fixed-wing system has even lower spatial resolution along the flight line because of the separated transmitter and receiver configuration.

At first glance one may want to believe that a transmitter footprint that is distributed more evenly over a larger area is of benefit in mineral exploration. In fact, the opposite is true; by energizing a larger surface area, the ability to energize and detect discrete conductors is reduced. Consider, for example, a comparison between AeroTEM and a fixed-wing system over the Mesamax Deposit (1,450,000 tonnes of 2.1% Ni, 2.7% Cu, 5.2 g/t Pt/Pd). In a test survey over three flight lines spaced 100 m apart, AeroTEM detected the Deposit on all three flight lines. The fixed-wing system detected the Deposit only on two flight lines. In exploration programs that seek to expand the flight line spacing in an effort to reduce the cost of the airborne survey, discrete conductors such as the Mesamax Deposit can go undetected. The argument often put forward in favour of using fixed-wing systems is that because of their larger footprint, the flight line spacing can indeed be widened. Many fixed-wing surveys are flown at 200 m or 400 m. Much of the survey work performed by Aeroquest has been to survey in areas that were previously flown at these wider line spacings. One of the reasons for AeroTEM's impressive discovery record has been the strategy of flying closely spaced lines and finding all the discrete near-surface conductors. These higher resolution surveys are being flown within existing mining camps, areas that improve the chances of discovery.

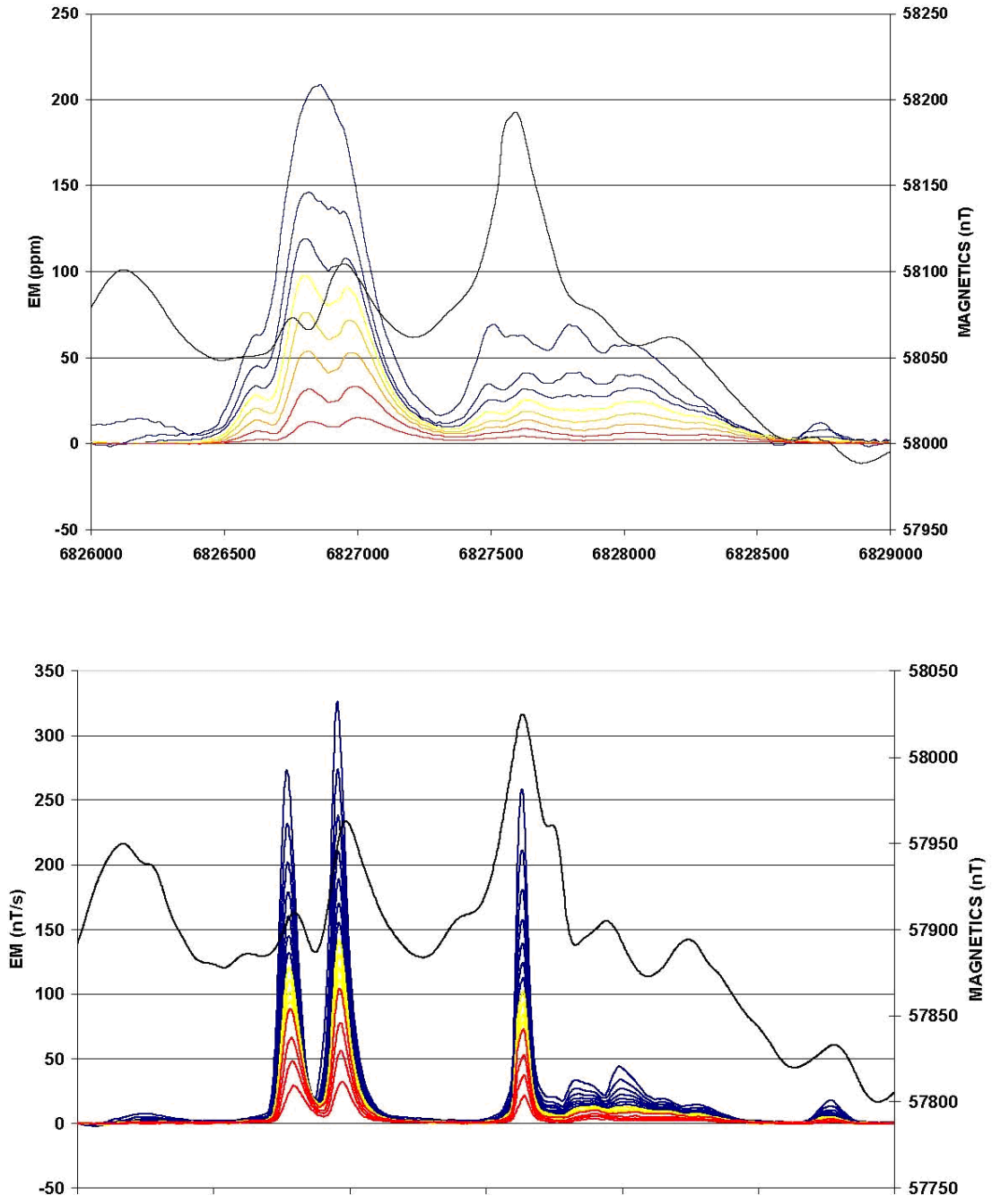


Figure 2. Fixed-wing (upper) and AeroTEM (lower) comparison over the eastern limit of the Mesamax Deposit, a Ni-Cu-PGE zone located in the Raglan nickel belt and owned by Canadian Royalties. Both systems detected the Deposit further to the west where it is closer to surface.

The small footprint of AeroTEM combined with the high signal to noise ratio (S/N) makes the system more suitable to surveying in areas where local infrastructure produces electromagnetic noise, such as power lines and railways. In 2002 Aeroquest flew four exploration properties in the Sudbury Basin that were under option by FNX Mining Company Inc. from Inco Limited. One such property, the Victoria Property, contained three major power line corridors.

The resulting AeroTEM survey identified all the known zones of Ni-Cu-PGE mineralization, and detected a response between two of the major power line corridors but in an area of favorable geology. Three boreholes were drilled to test the anomaly, and all three intersected sulphide. The third borehole encountered 1.3% Ni, 6.7% Cu, and 13.3 g/t TPMs over 42.3 ft. The mineralization was subsequently named the Powerline Deposit.

The success of AeroTEM in Sudbury highlights the advantage of having a system with a small footprint, but also one with a high S/N. This latter advantage is achieved through a combination of a high-moment (high signal) transmitter and a rigid geometry (low noise). Figure 3 shows the Powerline Deposit response and the response from the power line corridor at full scale. The width of power line response is less than 75 m.

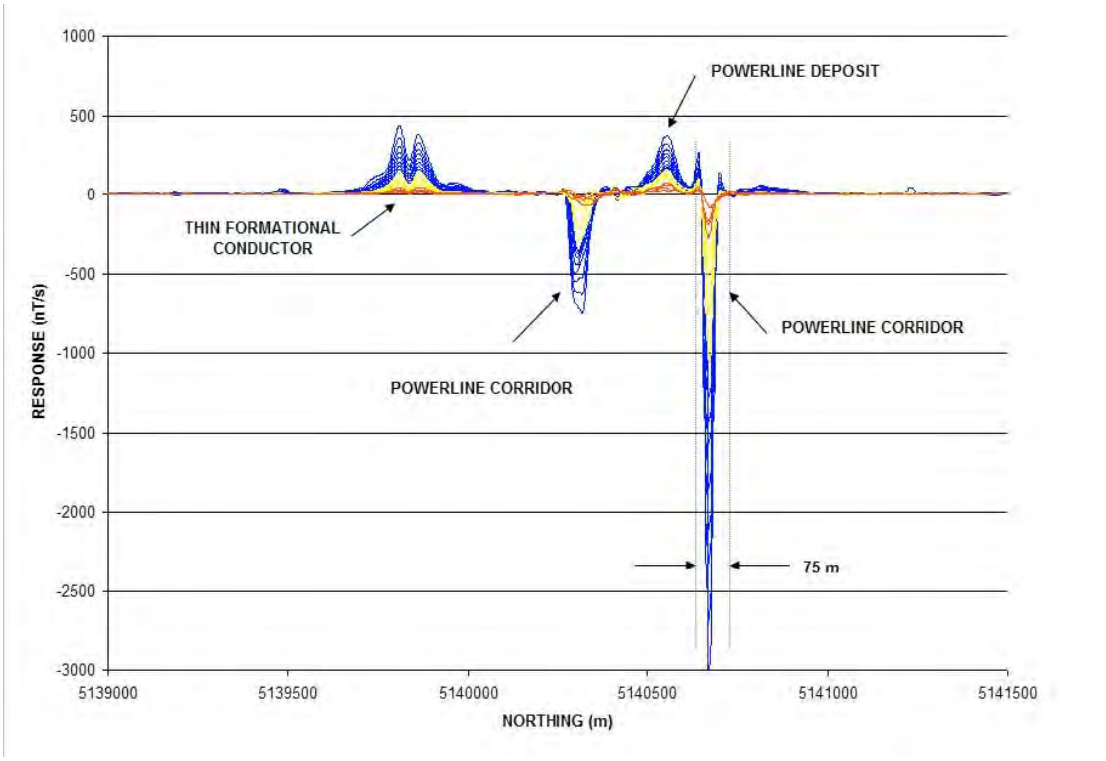


Figure 3. The Powerline Deposit is located between two major power line corridors, which make EM surveying problematic. Despite the strong response from the power line, the anomaly from the Deposit is clearly detected. Note the thin formational conductor located to the south. The only way to distinguish this response from that of two closely spaced conductors is by interpreting the X-axis coil response.

Advantage 2 – Conductance Discrimination

The AeroTEM system features full waveform recording and as such is able to measure the on-time response due to high conductance targets. Due to the processing method (primary field removal), there is attenuation of the response with increasing conductance, but the AeroTEM on-time measurement is still superior to systems that rely on lower base frequencies to detect high conductance targets, but do not measure in the on-time.

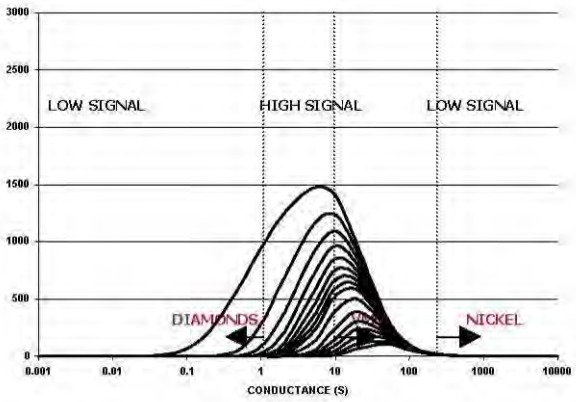
The peak response of a conductive target to an EM system is a function of the target conductance and the EM

system base frequency. For time domain EM systems that measure only in the off-time, there is a drop in the peak response of a target as the base frequency is lowered for all conductance values below the peak system response. For example, the AeroTEM peak response occurs for a 10 S conductor in the early off-time and 100 S in the late off-time for a 150 Hz base frequency. Because base frequency and conductance form a linear relationship when considering the peak response of any EM system, a drop in base frequency of 50% will double the conductance at which an EM system shows its peak response. If the base frequency were lowered from 150 Hz to 30 Hz there would be a fivefold increase in conductance at which the peak response of an EM occurred.

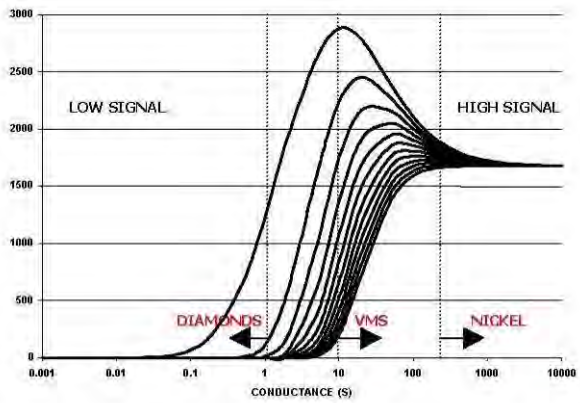
However, in the search for highly conductive targets, such as pyrrhotite-related Ni-Cu-PGM deposits, a fivefold increase in conductance range is a high price to pay because the signal level to lower conductance targets is reduced by the same factor of five. For this reason, EM systems that operate with low base frequencies are not suitable for general exploration unless the target conductance is more than 100 S, or the target is covered by conductive overburden.

Despite the excellent progress that has been made in modeling software over the past two decades, there has been little work done on determining the optimum form of an EM system for mineral exploration. For example, the optimum configuration in terms of geometry, base frequency and so remain unknown. Many geophysicists would argue that there is no single ideal configuration, and that each system has its advantages and disadvantages. We disagree.

When it comes to detecting and discriminating high-conductance targets, it is necessary to measure the pure in phase response of the target conductor. This measurement requires that the measured primary field from the transmitter be subtracted from the total measured response such that the secondary field from the target conductor can be determined. Because this secondary field is in-phase with the transmitter primary field, it must be made while the transmitter is turned on and the transmitter current is changing. The transmitted primary field is several orders of magnitude larger than the secondary field. AeroTEM uses a bucking coil to reduce the primary field at the receiver coils. The only practical way of removing the primary field is to maintain a rigid geometry between the transmitter, bucking and receiver coils. This is the main design consideration of the AeroTEM airframe and it is the only time domain airborne system to have this configuration.



The off-time AeroTEM response for the 16 channel configuration.



The on-time response assuming 100% removal of the measured primary field.

Figure 4. The off-time and on-time response nomogram of AeroTEM for a base frequency of 150 Hz. The on-time response is much stronger for higher conductance targets and this is why on-time measurements are more important than lower frequencies when considering high conductance targets in a resistive environment.

Advantage 3 – Multiple Receiver Coils

AeroTEM employs two receiver coil orientations. The Z-axis coil is oriented parallel to the transmitter coil and

both are horizontal to the ground. This is known as a maximum coupled configuration and is optimal for detection. The X-axis coil is oriented at right angles to the transmitter coil and is oriented along the line-of-flight. This is known as a minimum coupled configuration, and provides information on conductor orientation and thickness. These two coil configurations combined provide important information on the position, orientation, depth, and thickness of a conductor that cannot be matched by the traditional geometries of the HEM or fixed-wing systems. The responses are free from a system geometric effect and can be easily compared to model type curves in most cases. In other words, AeroTEM data is very easy to interpret. Consider, for example, the following modeled profile:

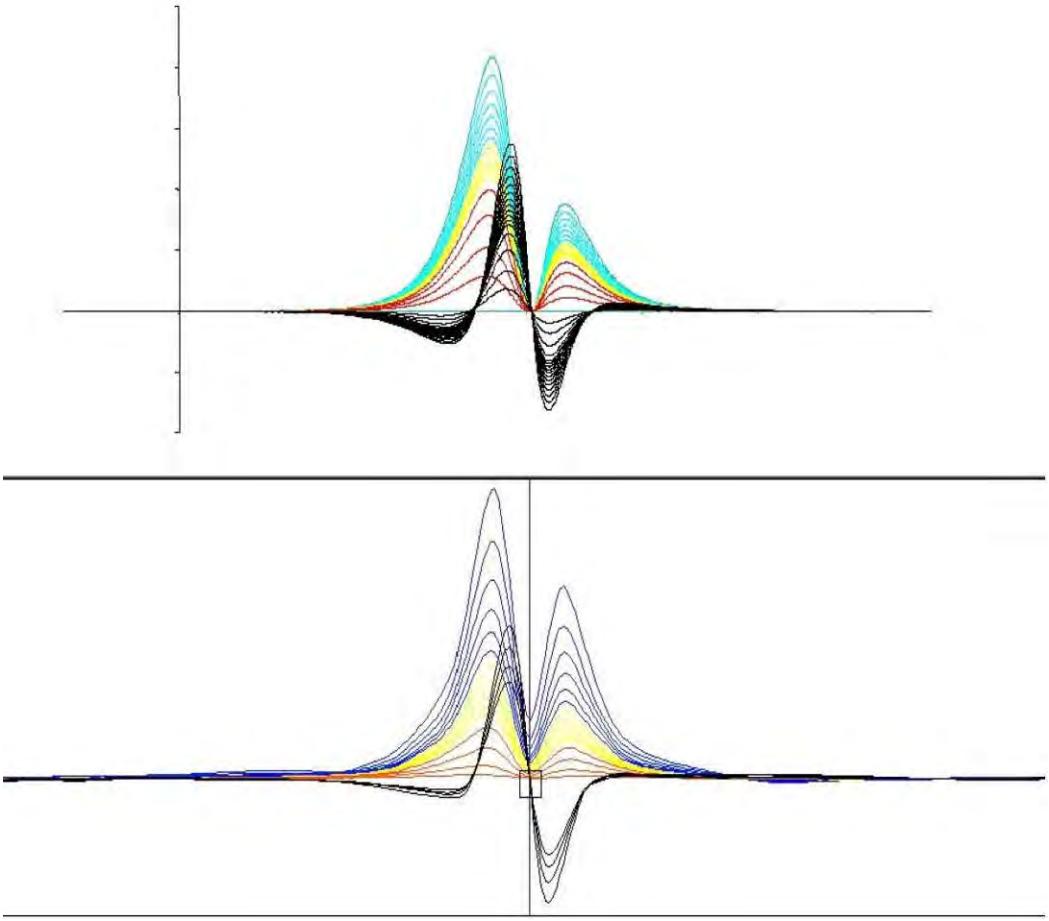


Figure 5. Measured (lower) and modeled (upper) AeroTEM responses are compared for a thin steeply dipping conductor. The response is characterized by two peaks in the Z-axis coil, and a cross-over in the X-axis coil that is centered between the two Z-axis peaks. The conductor dips toward the higher amplitude Z-axis peak. Using the X-axis cross-over is the only way of differentiating the Z-axis response from being two closely spaced conductors.

HEM versus AeroTEM

Traditional helicopter EM systems operate in the frequency domain and benefit from the fact that they use narrowband as opposed to wide-band transmitters. Thus all of the energy from the transmitter is concentrated in a few discrete frequencies. This allows the systems to achieve excellent depth penetration (up to 100 m) from a transmitter of modest power. The Aeroquest Impulse system is one implementation of this technology.

The AeroTEM system uses a wide-band transmitter and delivers more power over a wide frequency range. This frequency range is then captured into 16 time channels, the early channels containing the high frequency information and the late time channels containing the low frequency information down to the system base frequency. Because frequency domain HEM systems employ two coil configurations (coplanar and coaxial) there are only a maximum of three comparable frequencies per configuration, compared to 16 AeroTEM off-time and 12 AeroTEM on-time channels.

Figure 6 shows a comparison between the Dighem HEM system (900 Hz and 7200 Hz coplanar) and AeroTEM (Z-axis) from surveys flown in Raglan, in search of highly conductive Ni-Cu-PGM sulphide. In general, the AeroTEM peaks are sharper and better defined, in part due to the greater S/N ratio of the AeroTEM system over HEM, and also due to the modestly filtered AeroTEM data compared to HEM. The base levels are also better defined in the AeroTEM data. AeroTEM filtering is limited to spike removal and a 5-point smoothing filter. Clients are also given copies of the raw, unfiltered data.

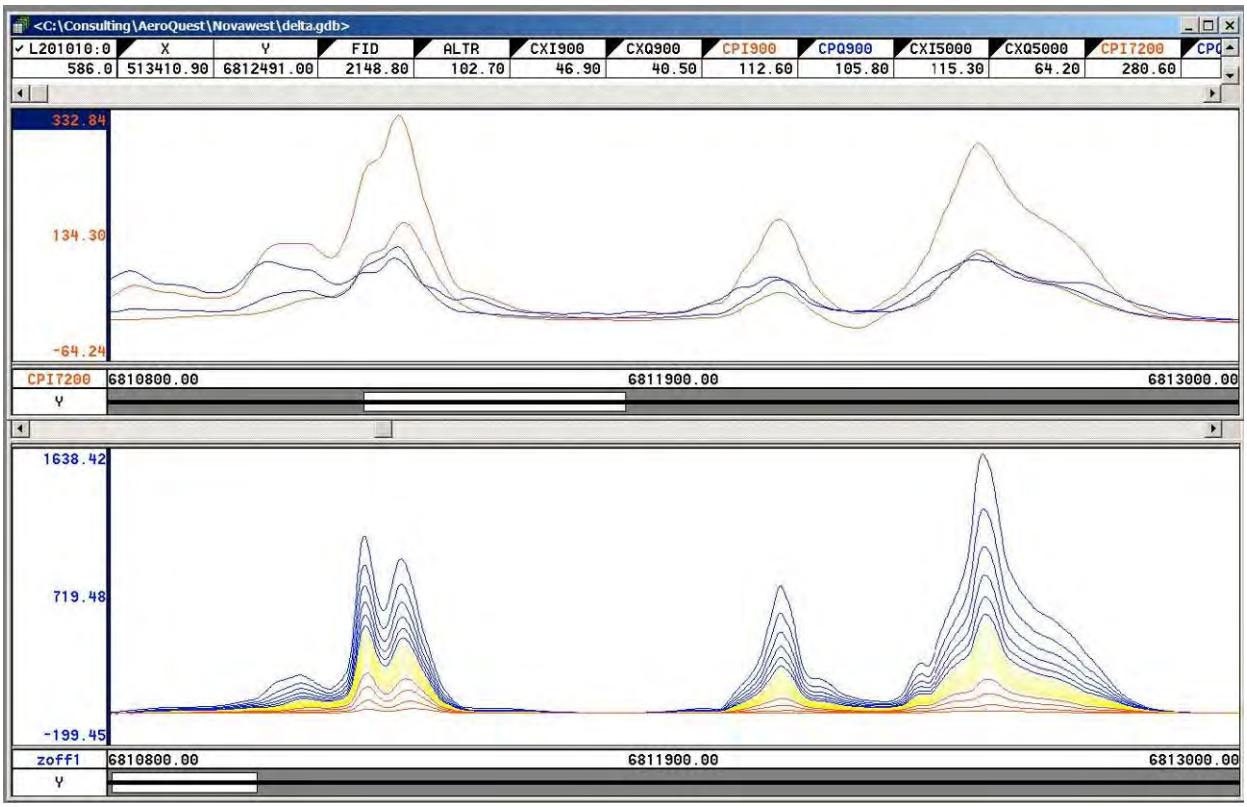


Figure 6. Comparison between Dighem HEM (upper) and AeroTEM (lower) surveys flown in the Raglan area. The AeroTEM responses appear to be more discrete, suggesting that the data is not as heavily filtered as the HEM data. The S/N advantage of AeroTEM over HEM is about 5:1.

Aeroquest Limited is grateful to the following companies for permission to publish some of the data from their respective surveys: Wolfden Resources, FNX Mining Company Inc, Canadian Royalties, Nova West Resources, Aurogin Resources, Spectrem Air. Permission does not imply an endorsement of the AeroTEM system by these companies.

APPENDIX 5: AEROTEM INSTRUMENTATION SPECIFICATION SHEET

AEROTEM Helicopter Electromagnetic System

System Characteristics

- Transmitter: Triangular Pulse Shape Base Frequency 150 Hz
- Tx On Time - 1,150 (150 Hz) µs
- Tx Off Time - 2,183 (150 Hz) µs
- Loop Diameter - 5 m
- Peak Current - 269 A
- Peak Moment - 42,254 NIA
- Typical Z Axis Noise at Survey Speed = 5 nT peak to peak
- Sling Weight: 270 Kg
- Length of Tow Cable: 36 m
- Bird Survey Height: 30 m nominal

Receiver

- Two Axis Receiver Coils (x, z) positioned at centre of transmitter loop
- Selectable Time Delay to start of first channel 21.3 , 42.7, or 64.0 ms

Display & Acquisition

- AERODAS Digital recording at 120 samples per decay curve at a maximum of 300 curves per second (27.778µs channel width)
- Recording & Display Rate = 10 readings per second.
- On-board display - six channels Z-component and 1 X-component

System Considerations

Comparing a fixed-wing time domain transmitter with a typical moment of 500,000 NIA flying at an altitude of 120 m with a Helicopter TDEM at 30 m, notwithstanding the substantial moment loss in the airframe of the fixed wing, the same penetration by the lower flying helicopter system would only require a sixty-fourth of the moment. Clearly the AeroTEM system with nearly 43,000 NIA has more than sufficient moment. The airframe of the fixed wing presents a response to the towed bird, which requires dynamic compensation. This problem is non-existent for AeroTEM since transmitter and receiver positions are fixed. The AeroTEM system is completely portable, and can be assembled at the survey site within half a day.

352000E

-131°50'

356000E

6944000N

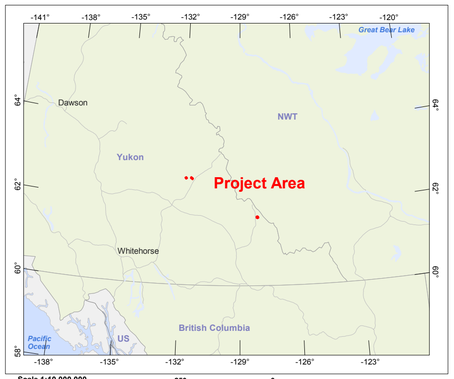
62°35'

Grid North
NAD83-Zone9

The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic and Electromagnetic Survey, Ross River, Yukon', by Aeroquest Limited, September 2010



Scale 1:10,000,000

250 0
(kilometers)
NAD83 / UTM zone 9N

MAGU nT
57878.6
57853.2
57844.0
57840.9
57839.2
57837.4
57835.8
57834.3
57832.8
57830.9
57829.1
57827.3
57824.9
57821.3
57817.4
57812.2
57804.3
57797.9
57787.8
57778.0
57769.8
57761.4
57752.1
57741.9
57731.5
57721.4
57712.0
57703.2
57694.4
57686.2
57677.0
57666.5
57655.2
57643.0
57629.3
57614.4
57597.0
57564.6

Off-Time Anomaly Symbols

>50S	
35-50S	
20-35S	
10-20S	
5-10S	
<1S	

anomaly label: A 125 decay constant (µs); K 36 off-time conductance (S); thicK/thiN source

Contour Interval

5 nT
10 nT
50 nT
250 nT

Lake

SURVEY SPECIFICATIONS:
- Survey flown: June 19 - 28, 2010
- Traverse/Tie line spacing: 100/1000 metres
- Traverse/Tie line direction: 55°/145°
- Nominal EM bird height: 30 metres
- Aircraft: Aerospatiale A-Star 350 B3 (C-GSGK)

INSTRUMENTATION:
- Data acquisition: ADAS
- Magnetometers: Geometrics G-823A caesium vapour
  - Installation: Towed upper magnetic bird 18 m below the helicopter
  - Installation: Towed lower magnetic bird 36 m below the helicopter
  - Sensitivity: .001 nanoTesla
- Electromagnetics: AeroTEM II System (ECHO)
  - Configuration: Towed bird

NAVIGATION:
- Navigation: Differential Global Positioning System (DGPS)
- Navigation equipment: AGNAV with MID-TECH RX400p receiver
- Radar Altimeter: Terra TRA3000/TRI-30

POSITIONING
- Datum: NAD83
  - Major Axis: 6378137.000
    - Eccentricity: 0.081819191
  - MAP PROJECTION
  - Projection: Universal Transverse Mercator
  - Central Meridian: 129°W (Zone 09)
  - Central Scale Factor: 0.9996
  - False Easting/Northing: 500,000m/0m

1:10,000

200 0 200 400 600
(meters)
NAD83 / UTM zone 9N

TerraLogic Exploration Inc.
Ross River, Yukon

TOTAL UPPER MAGNETIC INTENSITY

Kiwi Block

NTS 105J12

AEROQUEST
7687 Bath Road, Mississauga, ON, CANADA L4T 3T1
Tel: (905) 672-9129 Fax: (905) 672-7083
www.aeroquest.ca

September 2010

MAGU

MAGU_10k_Kiwi Block.map, AQL Job no. 10048

352000E

-131°50'

356000E

6944000N

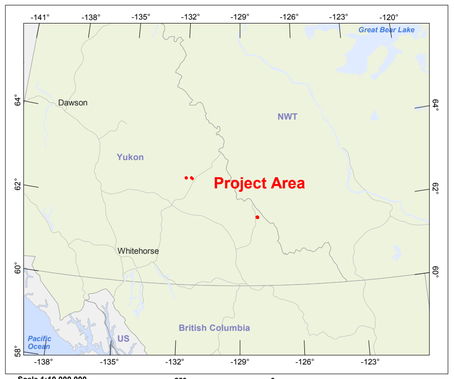
62°35'

Grid North
NAD83-Zone9

The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic and Electromagnetic Survey, Ross River, Yukon', by Aeroquest Limited, September 2010



Scale 1:10,000,000

250 0 (kilometers)
NAD83 / UTM zone 9N

MAGL nT
57896.9
57864.9
57853.0
57849.2
57846.9
57845.0
57843.4
57841.8
57840.1
57838.1
57836.1
57834.4
57832.2
57828.7
57824.6
57819.4
57811.9
57804.3
57795.8
57786.4
57777.8
57769.5
57759.5
57748.8
57737.6
57727.3
57717.4
57707.7
57698.2
57689.9
57679.7
57668.4
57656.7
57644.4
57629.6
57613.6
57595.1
57562.6

Off-Time Anomaly Symbols

- >50S
- 35-50S
- 20-35S
- 10-20S
- 5-10S
- 1-5S
- <1S

anomaly label (A) — decay constant (μs) 125
thicK/thiN source — off-time conductance (S) 36

Contour Interval

- 5 nT
- 10 nT
- 50 nT
- 250 nT

Lake

SURVEY SPECIFICATIONS:
- Survey flown: June 19 - 28, 2010
- Traverse/Tie line spacing: 100/1000 metres
- Traverse/Tie line direction: 55°/145°
- Nominal EM bird height: 30 metres
- Aircraft: Aerospatiale A-Star 350 B3 (C-GSGK)

INSTRUMENTATION:
- Data acquisition: ADAS
- Magnetometers: Geometrics G-823A caesium vapour
  - Installation: Towed upper magnetic bird 18 m below the helicopter
  - Installation: Towed lower magnetic bird 36 m below the helicopter
  - Sensitivity: .001 nanoTesla
- Electromagnetics: AeroTEM II System (ECHO)
  - Configuration: Towed bird

NAVIGATION:
- Navigation: Differential Global Positioning System (DGPS)
- Navigation equipment: AGNAV with MID-TECH RX400p receiver
- Radar Altimeter: Terra TRA3000/TRI-30

POSITIONING
- Datum: NAD83
  - Major Axis: 6378137.000
    - Eccentricity: 0.081819191
- MAP PROJECTION
- Projection: Universal Transverse Mercator
- Central Meridian: 129°W (Zone 09)
- Central Scale Factor: 0.9996
- False Easting/Northing: 500,000m/0m

1:10,000

200 0 200 400 600
(meters)
NAD83 / UTM zone 9N

TerraLogic Exploration Inc.
Ross River, Yukon

TOTAL LOWER MAGNETIC INTENSITY

Kiwi Block

NTS 105J12

AEROQUEST
7687 Bath Road, Mississauga, ON, CANADA L4T 3T1
Tel: (905) 672-9129 Fax: (905) 672-7083
www.aeroquest.ca

September 2010

MAGL

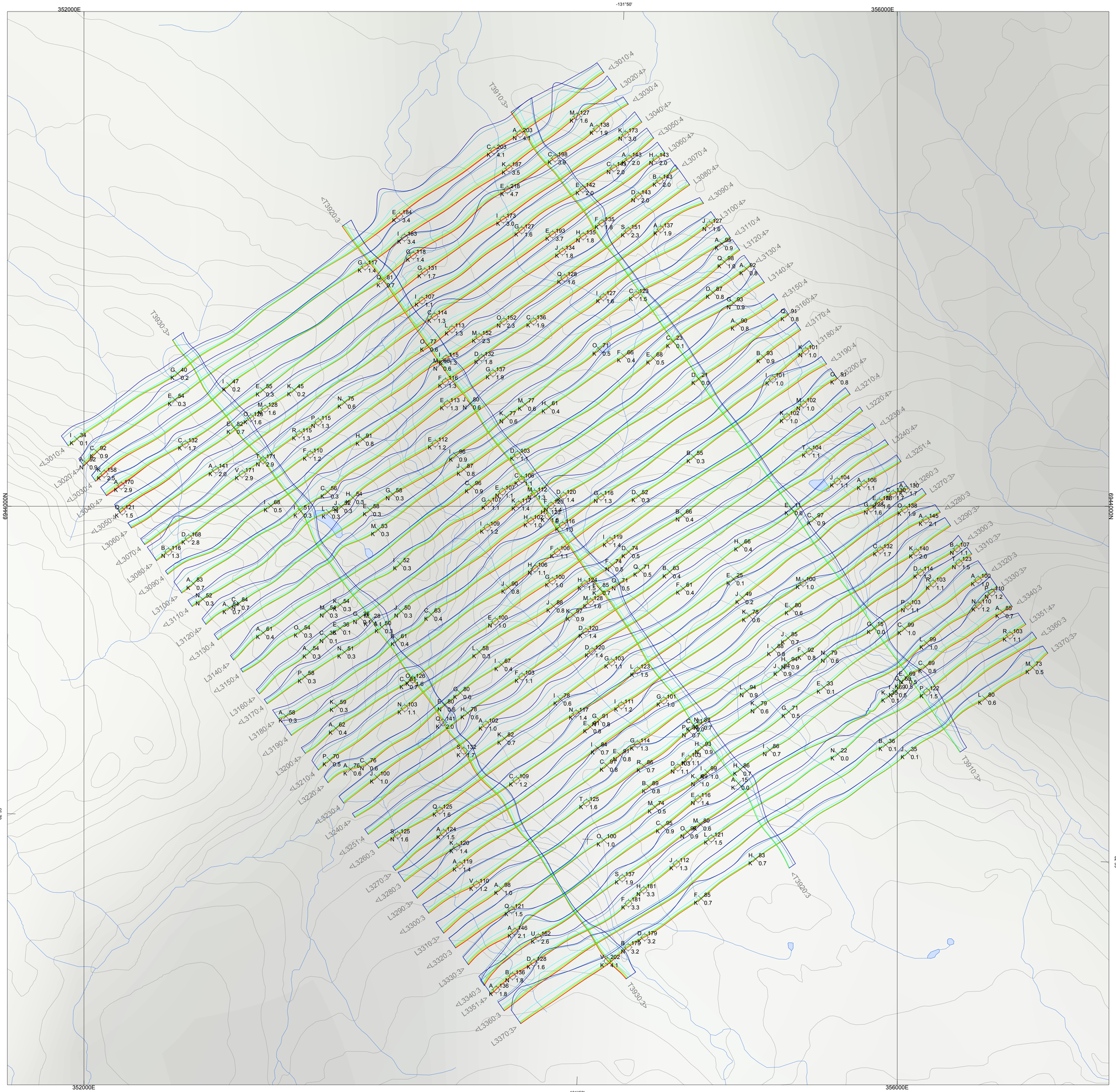
352000E

-131°50'

356000E

6949000N

62°35'



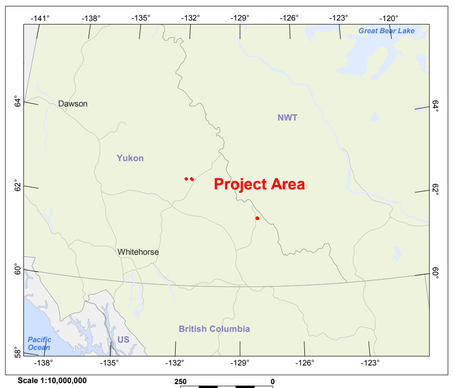
356000E

-131°50'

352000E

6949000N

62°35'



Scale 1:10,000,000

250 0

(kilometers)

NAD83 / UTM zone 9N

Grid North
NAD83-Zone9

The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic and Electromagnetic Survey, Ross River, Yukon', by Aeroquest Limited, September 2010

Off-Time Anomaly Symbols

- >50S
- 35-50S
- 20-35S
- 10-20S
- 5-10S
- 1-5S
- <1S

anomaly label A 125 decay constant (µs)

thick/thN source K 36 off-time conductance (S)

AeroTEM Profiles

positive excursion to top and right, 1mm=200nT/s

- Z0 Off-Time Channel 30 µs
- Z1 Off-Time Channel 58 µs
- Z2 Off-Time Channel 85 µs
- Z3 Off-Time Channel 113 µs
- Z4 Off-Time Channel 141 µs
- Z5 Off-Time Channel 169 µs
- Z6 Off-Time Channel 210 µs
- Z7 Off-Time Channel 266 µs
- Z8 Off-Time Channel 321 µs
- Z9 Off-Time Channel 377 µs
- Z10 Off-Time Channel 446 µs

Lake

SURVEY SPECIFICATIONS:

- Survey flown: June 19 - 28, 2010
- Traverse/Tie line spacing: 100/1000 metres
- Traverse/Tie line direction: 55°/145°
- Nominal EM bird height: 30 metres
- Aircraft: Aerospatiale A-Star 350 B3 (C-GSGK)

INSTRUMENTATION:

- Data acquisition: ADAS
- Magnetometers: Geometrics G-823A caesium vapour
  - Installation: Towed upper magnetic bird 18 m below the helicopter
  - Installation: Towed lower magnetic bird 36 m below the helicopter
  - Sensitivity: .001 nanoTesla
- Electromagnetics: AeroTEM II System (ECHO)
  - Configuration: Towed bird

NAVIGATION:

- Navigation: Differential Global Positioning System (DGPS)
- Navigation equipment: AGNAV with MID-TECH RX400p receiver
- Radar Altimeter: Terra TRA3000/TRI-30

POSITIONING

- Datum: NAD83
  - Major Axis: 6378137.000
    - Eccentricity: 0.081819191
- MAP PROJECTION
- Projection: Universal Transverse Mercator
- Central Meridian: 129°W (Zone 09)
- Central Scale Factor: 0.9996
- False Easting/Northing: 500,000m/0m

1:10,000

200 0 200 400 600

(meters)

NAD83 / UTM zone 9N

TerraLogic Exploration Inc.
Ross River, Yukon

AEROTEM
OFF TIME PROFILES

Kiwi Block

NTS 105J12

AEROQUEST
7687 Bath Road, Mississauga, ON, CANADA L4T 3T1
Tel: (905) 672-9129 Fax: (905) 672-7083
www.aeroquest.ca

September 2010

EM PROFILES

EM PROFILES_10k_Kiwi Block.map, AQL Job no. 10048

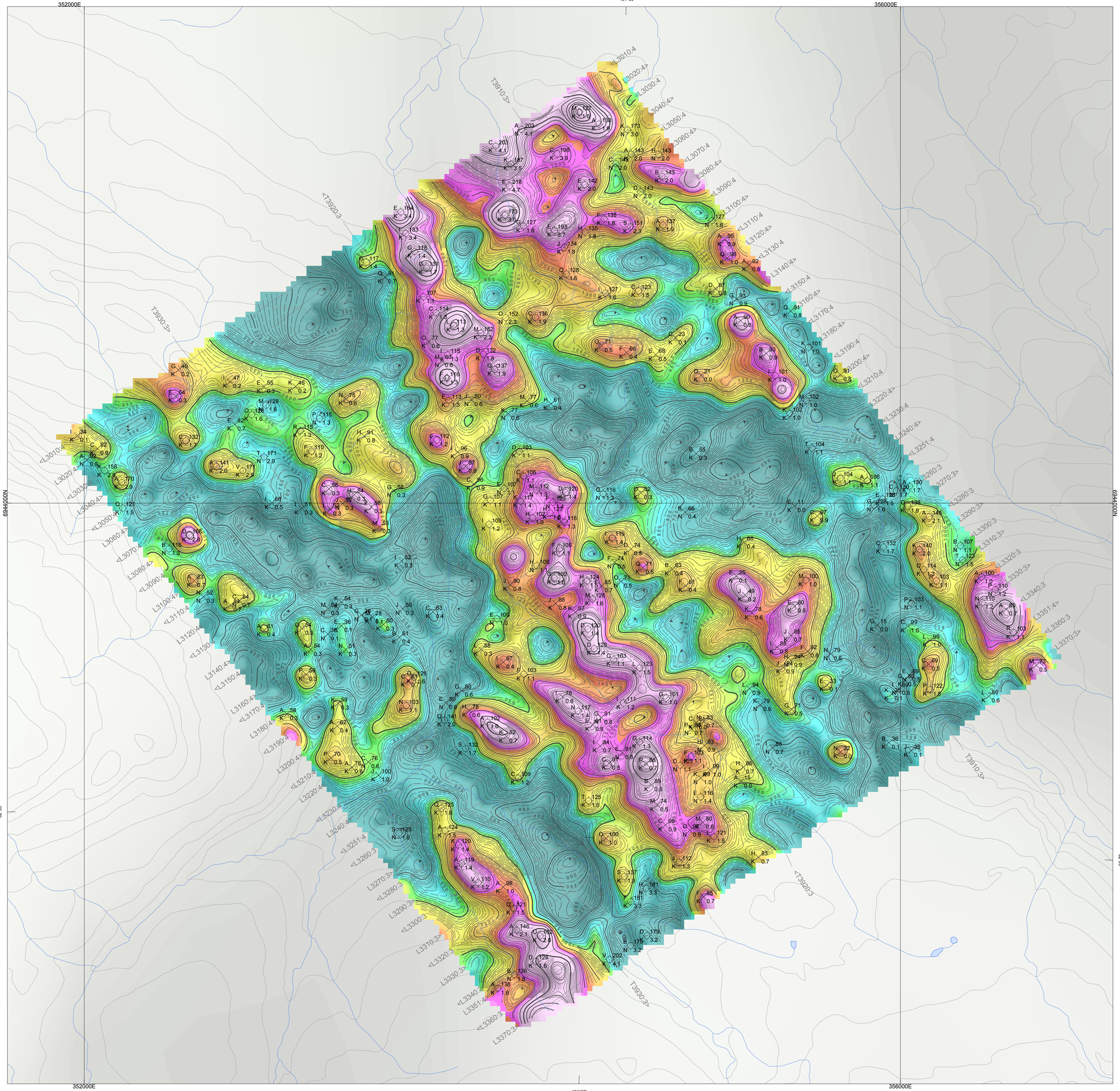
352000E

-131°50'

356000E

6944000N

62°35'

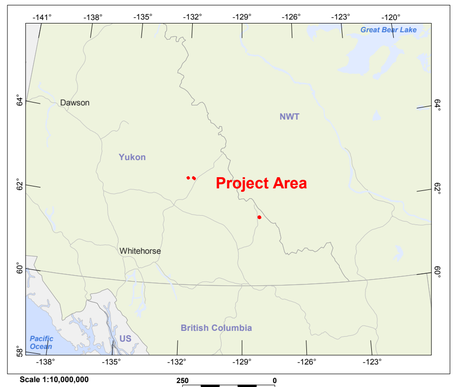


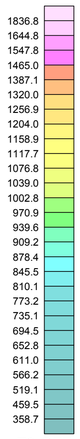
The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data

Inset data derived from Natural Resources Canada 'Atlas of Canada Base Maps'

This map accompanies the technical report entitled 'Report on a Helicopter-Borne Magnetic and Electromagnetic Survey, Ross River, Yukon', by Aeroquest Limited, September 2010

Grid North
NAD83-Zone9





Z0-OFF
nT/S

Off-Time Anomaly Symbols

- >50S
- 35-50S
- 20-35S
- 10-20S
- 5-10S
- <1S

anomaly label (A) — decay constant (μs) (125)
thicK/thiN source (K) — off-time conductance (S) (36)

Contour Interval

- 25 nT/S
- 50 nT/S
- 250 nT/S
- 1000 nT/S

Lake

SURVEY SPECIFICATIONS:
- Survey flown: June 19 - 28, 2010
- Traverse/Tie line spacing: 100/1000 metres
- Traverse/Tie line direction: 55°/145°
- Nominal EM bird height: 30 metres
- Aircraft: Aerospatiale A-Star 350 B3 (C-GSGK)

INSTRUMENTATION:
- Data acquisition: ADAS
- Magnetometers: Geometrics G-823A caesium vapour
  - Installation: Towed upper magnetic bird 18 m below the helicopter
  - Installation: Towed lower magnetic bird 36 m below the helicopter
  - Sensitivity: .001 nanoTesla
- Electromagnetics: AeroTEM II System (ECHO)
  - Configuration: Towed bird

NAVIGATION:
- Navigation: Differential Global Positioning System (DGPS)
- Navigation equipment: AGNAV with MID-TECH RX400p receiver
- Radar Altimeter: Terra TRA3000/TRI-30

POSITIONING
- Datum: NAD83
  - Major Axis: 6378137.000
    - Eccentricity: 0.081819191
- MAP PROJECTION
- Projection: Universal Transverse Mercator
- Central Meridian: 129°W (Zone 09)
- Central Scale Factor: 0.9996
- False Easting/Northing: 500,000m/0m

1:10,000

200 0 200 400 600
(meters)
NAD83 / UTM zone 9N

TerraLogic Exploration Inc.
Ross River, Yukon

AEROTEM Z0-OFF TIME
Time after Tx Off 30 μs

Kiwi Block

NTS 105J12

AEROQUEST
7687 Bath Road, Mississauga, ON, CANADA L4T 3T1
Tel: (905) 672-9129 Fax: (905) 672-7083
www.aeroquest.ca

September 2010

Z0-0FF

Z0-OFF_10k_Kiwi Block.map, AQL Job no. 10048