

2011 ASSESSMENT REPORT

ON THE

Kiwi Project

Whitehorse Mining District

Map sheet 105J12

Center of Work

Latitude 62°36'N, Longitude 131°51'W

Prepared for:

Omineca Mining and Metals Ltd.

Suite 200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

By

Mike McCuaig, B.Sc. (Earth Science)

TerraLogic Exploration Services

Suite 200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

October 28th, 2011

SUMMARY

The Kiwi property consists of 32 quartz claims (649.75 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 105J12 with a centre latitude and longitude point of 62°36'N, 131°51'W. The property was discovered in 1997 by Teck Resources Ltd. during regional exploration of the area.

The project targets high-grade epithermal auriferous quartz veins, stringers and quartz breccia 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 2011 exploration program consisted of a 350.52 meter diamond drill program and geochemical rock sampling focused on the VG zone, which historically produced a grab sample assaying 115.6 g/t Au and 32.7 g/t Ag. Access to the property was via helicopter chartered from the TerraLogic Exploration Camp on Dragon Lake. Exploration activities were carried out from June 27th, 2011 to July 21st, 2011.

Rock and diamond drill core analysis confirmed the presence of anomalous Au values at the VG zone. Analysis of drill core produced results of 150 ppb Au over 1.00 m (KW11001-164) and 130 ppb Au over 1.00 m (KW11001-171). Analysis of rock samples produced results of 280 ppb Au (MMKWR002), 130 ppb Au (MMKWR003) and 200 ppb Au (MMKWR004).

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, very thick till cover and overall poor soil development. Although the 2011 exploration program was not overly successful in terms of analytical results, the drilling did reveal that substantial alteration and mineralization continue at depth below the VG showing. Therefore, further work is recommended on the property to determine the source of the high grade samples found during the 1997 program.

Total 2011 expenditures on the Kiwi property were \$249,090.94.

List of Figures

Introduction.....	1
Physiography and Access	1
Tenure.....	3
History and Previous Work.....	4
Geology.....	6
Regional Geology Description	6
Property Geology Description.....	6
2011 Exploration Program.....	11
2011 Exploration Results	12
Rock Sampling.....	12
Diamond Drilling.....	12
Conclusions	18
Recommendations.....	18
References.....	19

List of Figures

Figure 1 – Property Location map.....	2
Figure 2 – Tenure Map.....	8
Figure 3a – Regional Geology Map.....	9
Figure 3b – Regional Geology Legend.....	10
Figure 4 – Property Geology and DDH Plan Map.....	15
Figure 5 – 2011 Sample Location and Geochemical Result Map.....	16
Figure 6 - DDH Section A - KW11001.....	17

List of Tables

Table 1 – Kiwi Claim Information.....	3
Table 2– 2011 Kiwi Drill hole.....	12

LIST OF APPENDICES

Appendix I – Statement of Qualifications

Appendix II – Statement of Expenditures

Appendix III – Geochemical Protocol

Appendix IV – Diamond Drill Hole Logs and Samples

Appendix V – Analytical Certificates

Appendix VI – Field Geochemistry

INTRODUCTION

The Kiwi property consists of 32 quartz claims (649.75 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 105J12 with a centre lat and long point of 62°36'N, 131°51'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 has occurred during the 1997, 1998, and 2010 field seasons and consisted of geologic mapping, soil surveys and 194 m² of trenching 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 further geochemical exploration programs.

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. A seasonal exploration camp constructed on the southern shore of Dragon Lake provided lodging for exploration crew members, and is located 16 km east of the Kiwi property.

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 900 m to 1300 m. 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, is commonly saturated with water and form thick moss cover over permafrost.

140°0'0"W

135°0'0"W

130°0'0"W

125°0'0"W

**Kiwi Property****Figure 1 - Property Location Map**

Projection - NAD 83 UTM Zone 09N

Scale - 1: 4,000,000

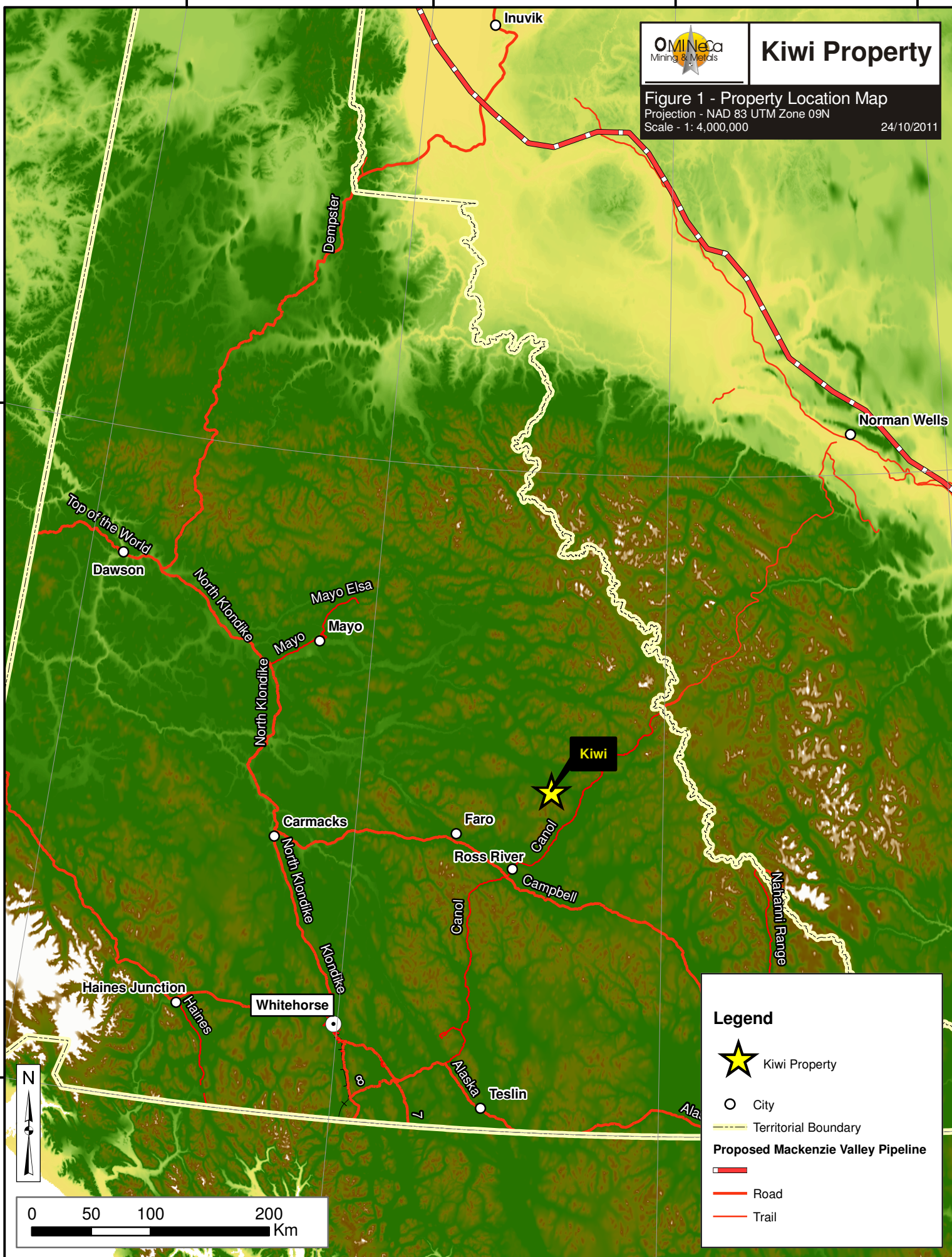
24/10/2011

65°0'0"N

65°0'0"N

60°0'0"N

60°0'0"N

**Legend**

Kiwi Property



City

Territorial Boundary

Proposed Mackenzie Valley Pipeline

Road

Trail

Tenure

The Kiwi property comprises of 32 quartz claims totaling 649.75 hectares. The mineral claim boundaries have not yet been legally surveyed. Title to the claims is held 100% in the name of Omineca Mining and Metals 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	OMM	21	2/15/2010	15/02/2016
YD20206	KIWI 6	OMM	21	2/15/2010	15/02/2016
YD20214	KIWI 14	OMM	21	2/15/2010	15/02/2016
YD20202	KIWI 2	OMM	21	2/15/2010	15/02/2016
YD20228	KIWI 28	OMM	21	2/15/2010	15/02/2016
YD20227	KIWI 27	OMM	21	2/15/2010	15/02/2016
YD20201	KIWI 1	OMM	21	2/15/2010	15/02/2016
YD20230	KIWI 30	OMM	21	2/15/2010	15/02/2016
YD20209	KIWI 9	OMM	21	2/15/2010	15/02/2016
YD20223	KIWI 23	OMM	21	2/15/2010	15/02/2016
YD20203	KIWI 3	OMM	21	2/15/2010	15/02/2016
YD20232	KIWI 32	OMM	21	2/15/2010	15/02/2016
YD20217	KIWI 17	OMM	9.3	2/15/2010	15/02/2016
YD20204	KIWI 4	OMM	21	2/15/2010	15/02/2016
YD20221	KIWI 21	OMM	20.5	2/15/2010	15/02/2016
YD20215	KIWI 15	OMM	21	2/15/2010	15/02/2016
YD20218	KIWI 18	OMM	21	2/15/2010	15/02/2016
YD20210	KIWI 10	OMM	21	2/15/2010	15/02/2016
YD20226	KIWI 26	OMM	21	2/15/2010	15/02/2016
YD20207	KIWI 7	OMM	21	2/15/2010	15/02/2016
YD20222	KIWI 22	OMM	21	2/15/2010	15/02/2016
YD20224	KIWI 24	OMM	21	2/15/2010	15/02/2016
YD20229	KIWI 29	OMM	21	2/15/2010	15/02/2016
YD20211	KIWI 11	OMM	21	2/15/2010	15/02/2016
YD20213	KIWI 13	OMM	21	2/15/2010	15/02/2016
YD20219	KIWI 19	OMM	13.7	2/15/2010	15/02/2016
YD20216	KIWI 16	OMM	21	2/15/2010	15/02/2016
YD20208	KIWI 8	OMM	21	2/15/2010	15/02/2016
YD20205	KIWI 5	OMM	21	2/15/2010	15/02/2016
YD20231	KIWI 31	OMM	21	2/15/2010	15/02/2016
YD20220	KIWI 20	OMM	21	2/15/2010	15/02/2016
YD20212	KIWI 12	OMM	21	2/15/2010	15/02/2016

At the time of writing this report an additional 113 claims totaling 2261 hectares have been staked by the company, and are pending approval from the Whitehorse Mining Recorder. The Kiwi claim group will grouped with the new claims bring to total claim number to 145, covering 2910.75 hectares.

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.

Work conducted during the 2010 exploration program by Copper Canyon Resources Ltd. consisted of ground geochemical soil sampling, rock chip sampling of selected historic trenches, geochemical orientation surveys, exploration pits and an airborne geophysical survey consisting of 130 line kilometers at 100 meter line spacing. 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 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.

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 XRF analyzer was used to evaluate exploration pits and to determine a geochemical orientation of the property.

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

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-Mississippian 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, 800 m 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 propylitic alteration and pyritization, ±pyrrhotite are evident in the New Zone, 700m west of the Discovery Zone (00462-75, 77-87).

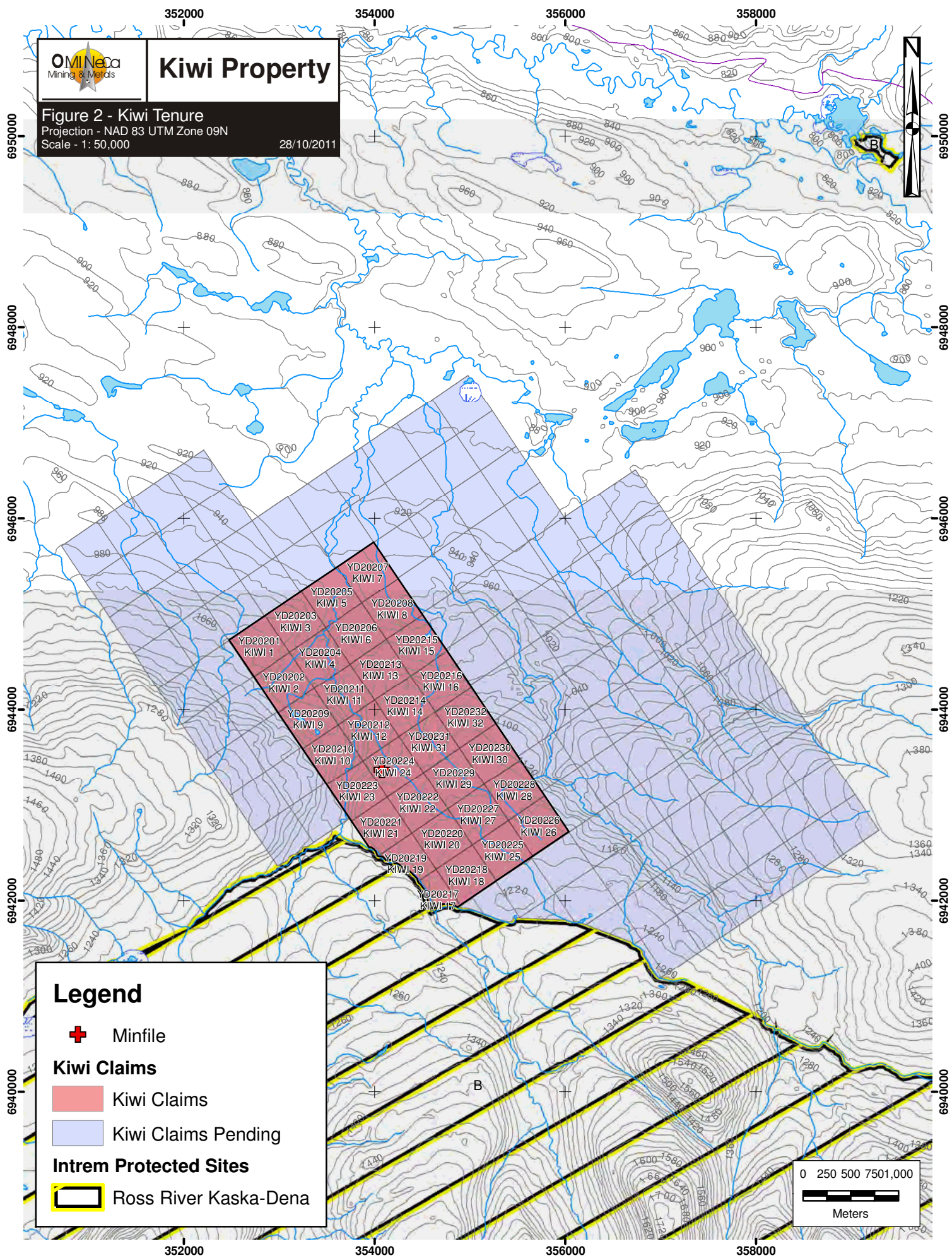
Alteration

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.



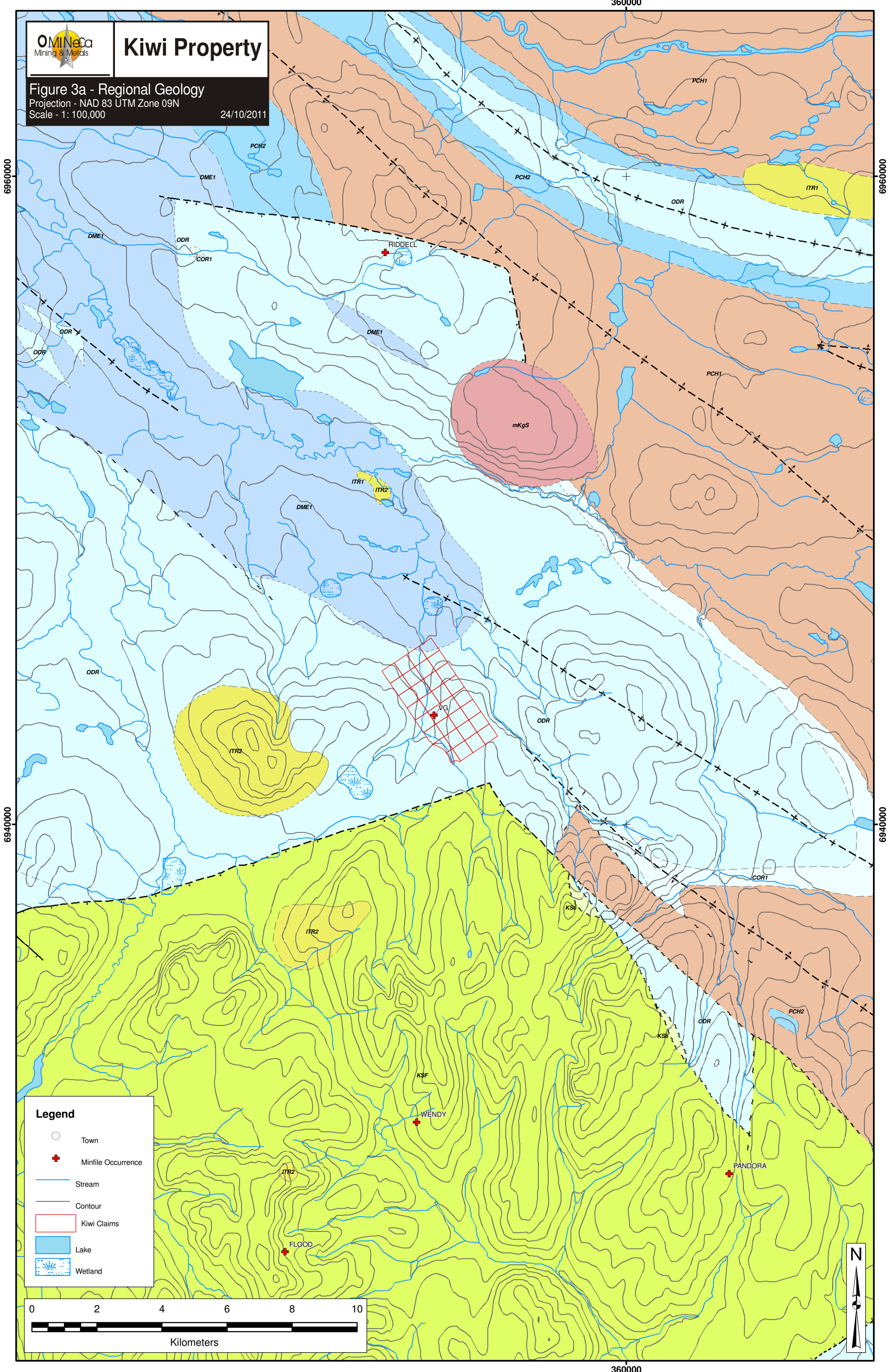


Kiwi Property

Figure 3a - Regional Geology

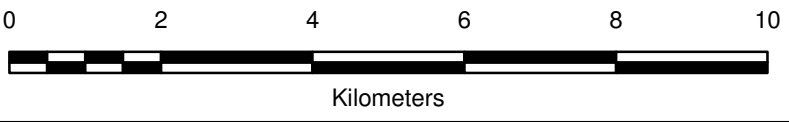
Projection - NAD 83 UTM Zone 09N
Scale - 1: 100,000

24/10/2011



Legend

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



QUATERNARY	
	Q: QUATERNARY: unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvialite 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); volcanoclastic 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-feldspar) 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	Thrust Overturned	Yukon Folds	Yukon Contacts
Yukon Faults		Type, Orientation, Control	Type, Control
Dextral			
Defined	Defined	Anticline, Overturned, Inferred	Assumed
Approximate	Approximate	Anticline, Inferred	Observed
Assumed	Assumed	Monocline, Inferred	Inferred
Extrapolated	Extrapolated	Syncline, Overturned, Inferred	
Sinistral	Thrust Upright	Syncline, Inferred	
Defined	Defined	Anticline, Overturned, Assumed	
Extrapolated	Approximate	Anticline, Assumed	
Normal/Reverse	Assumed	Syncline, Overturned, Assumed	
Defined	Extrapolated	Syncline, Assumed	
Approximate	Movement Undefined	Anticline, Overturned, Observed	
Assumed	Defined	Anticline, Observed	
Extrapolated	Approximate	Monocline, Observed	
	Assumed	Syncline, Overturned, Observed	
	Extrapolated	Syncline, Observed	

2011 EXPLORATION PROGRAM

The 2011 work program consisted of a diamond drill program and selective sampling of outcrop adjacent to the VG trench. Exploration activities occurred from June 27th, 2011 to July 21st, 2011. A total of five days were spent drilling from one drill pad, including mob and demob (figure 4). A total of 350.52 meters of NQ core was drilled from one hole. A total of one day was spent collecting geochemical rock samples from the VG trench and adjacent outcrop in Kiwi Creek (figure 5). Crews were based in an exploration camp on the southern shore of Dragon Lake, located 16 km ENE from the Kiwi property.

All exploration activities on the property were facilitated using an Bell L3 helicopter chartered from Fireweed Helicopters.

Drill core was flown to the Dragon Lake camp every day after cross-shift where it was stored, cataloged, and sampled. All drill core was returned to the Kiwi property for permanent storage, at the site of drilling (refer to table 2). A total of 357 drill core samples and 4 rock samples were collected and sent for analysis to Stewart Group Laboratories of Whitehorse, YT for multi-element (AR/ICP-AES) and Au (FA/AA Finish) analysis.

The goal of the program was to drill test the VG showing in an attempt to repeat the high grade Gold-Silver discovered there in 1997.

The company acquired an additional 113 claims totaling 2261 hectares, onto the Kiwi property.

Total expenditures for the 2011 program were \$ 249,090.44.

2011 EXPLORATION RESULTS

Interpretation of geochemical analysis indicates that anomalous gold is present at the VG zone. Gold values are associated with silica alteration, and quartz-carbonate-pyrite+/-arsenopyrite veining occurring in both silicified shale and quartz-feldspar porphyry dikes.

Rock Sampling

A total of four samples were collected from the VG trench area during one day of prospecting/property orientation. Refer to Appendix VI for sample locations and detailed descriptions.

- MMKWR001 – MMKWR004
- Gold in rock values are as follows: MMKWR001: 70 ppb Au, MMKWR002: 280 ppb Au, MMKWR003: 130 ppb Au, and MMKWR004: 200 ppb Au.

Diamond Drilling

A total of one hole (350.52 metres) was drilled from one pad during the 2011 program. Table 2 contains collar information for KW11001. Drill core was systematically logged and sampled for analysis. The drill log for KW11001 can be found in Appendix IV. All information collected during the core logging process was recorded into an Access Database. Geotechnical and sampling information was collected in the field on a Palm Pilot, and downloaded into the Access Database used for core logging. Each log contains pertinent drill hole collar location and orientation information, followed by a summary of geology and mineralization.

Table 2– 2011 Kiwi Drill hole

Hole Number	Pad Number	Length (m)	Azimuth (Deg)	Dip (Deg)	UTM Easting	UTM Northing
KW11001	KWPADA	350.52	45	-45	354065	6943507

DDH Results

A total of 357 drill core samples, from one drill hole, were sent for analysis. Overall, results of the drill program were discouraging considering the abundance of mineralization. Quartz-carbonate-pyrite-arsenopyrite veining, stock work, and breccia zones failed to yield precious metal mineralization of any significant value. The DDH log and strip log for KW11001 can be found in Appendix IV. A total of 20 core samples from eight boxes were lost in transit from Dragon Lake Camp to the Kiwi Property. An effort was made to recover the lost samples, with little success. Four of the eight boxes were recovered, and are stored with the rest of them on the Kiwi property. The missing samples are KW11001-221 thru KW11001-240. The location of KW11001 can be found on figure 4 and a downhole section provided by figure 6.

KW11001 was designed to test bedrock below the VG trench. The location was selected as the primary drill target for the following reasons.

1. The discovery of high-grade epithermal Au-Ag mineralization in 1997 by TECK.

2. The presence of a geophysical anomaly underlying the Discovery/VG Showing discovered during the 2010 exploration program.
3. The presence of pyrite-arsenopyrite mineralization hosted by intermediate porphyry dikes in Kiwi Creek north of the VG trench.
4. The presence of silicified and veined shale hosting pyrite mineralization adjacent to and within the VG trench.

The geology of the hole is dominated by two different rock types: black graphitic shale of the Road River Group, and quartz-feldspar porphyritic dykes whose origins are still in question. The sediments consist of very thin to thin bedded, dark grey to black pyritic and graphitic shale. The porphyry is described as light green-beige-grey in color, and is of intermediate composition. Faulting within the clastic sediments was observed as black graphitic clay gouge matrix hosting sub-rounded to angular elongate fragments of shale, quartz-carbonate veining, and quartz-feldspar porphyry (intervals of deformation include 45.72-69.45 metres; 91.92-95.33 metres; 141.80-157.83 metre; 174.79-185.18 metres; 308.19-308.86 metres). The porphyry dykes were commonly deformed at the contacts with the sediments by net-textured brittle fractures. Folding, faulting and brecciation are related to the NW trending deformation zone, whose surface expression is Kiwi Creek.

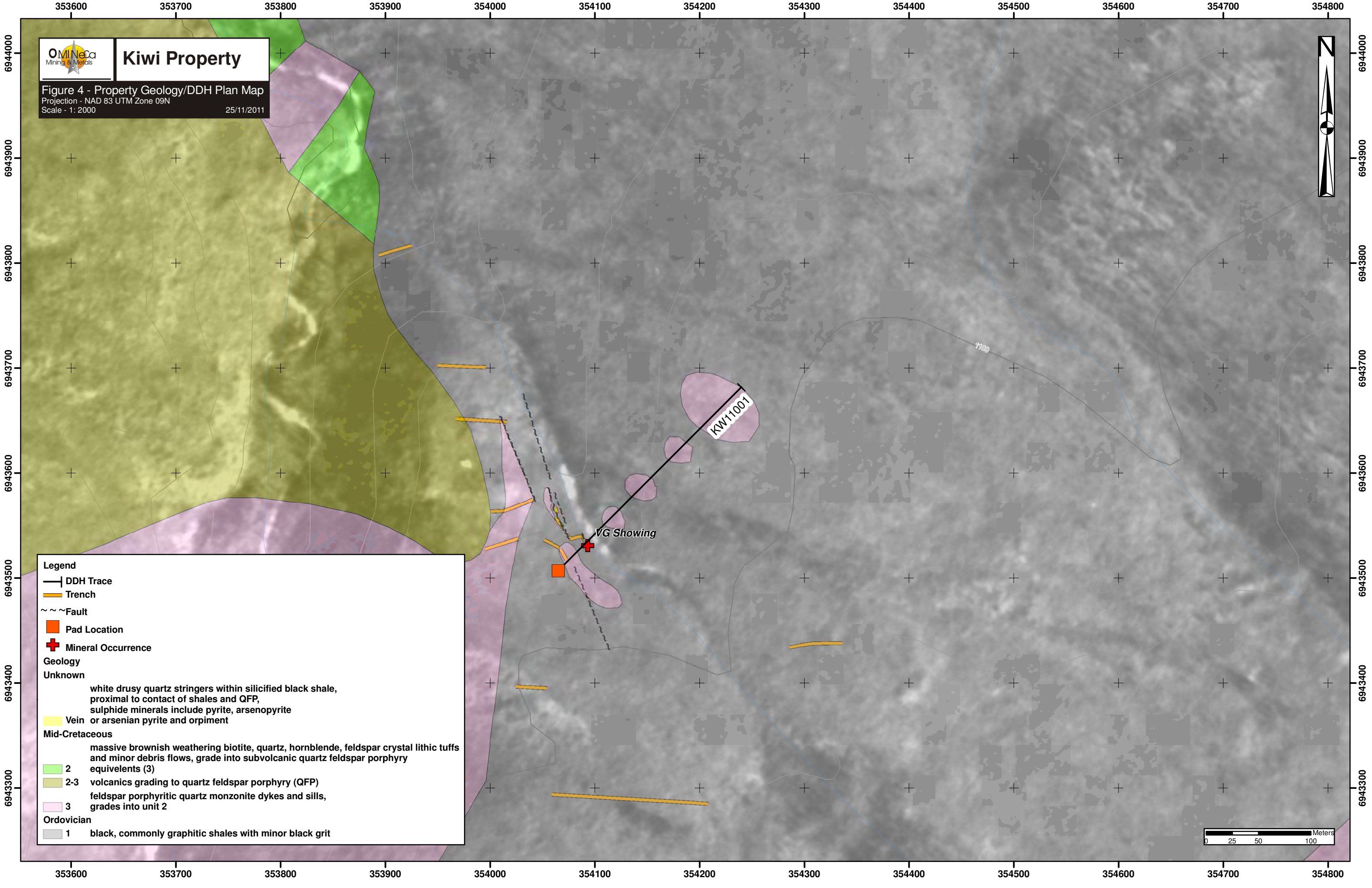
Although high-grade precious metal mineralization was not intercepted, several zones of quartz-carbonate-pyrite+/-arsenopyrite veining, stock work, and breccia zones were encountered. Pyrite-arsenopyrite mineralization occurs within vugged veinlets and veins 0.1 – 15.0 cm wide, which form larger stock work zones from 0.5 – 10.0 m in width. The mineralized stock work zones were best developed within the contact zones of the porphyry dykes, which tended to behave in a more brittle fashion in contrast to the shale. Mineralization replacing framework clasts within breccia zones suggest that sulphide mineralization was syngenetic with local deformation. Pyrite-arsenopyrite mineralization is hosted by quartz-ankerite and quartz-rhodochrosite gangue. The quartz-rhodochrosite veins tend to be concentrated in the shale whereas the quartz+/-ankerite veins tend to be concentrated in the porphyritic dykes. The entire hole is mineralized by sulphide rich quartz+/-carbonate veins, which appear to represent one large phase of mineralization. Anomalous gold values (Au > 100 ppb) were returned from three drill core samples: KW11001-164: 1.00 meters of 150 ppb Au; KW11001-171: 1.00 meters of 130 ppb; KW11001-336: 1.35 meters of 100 ppb Au. For a complete summary of geochemistry results refer to Appendix V.

Assays and Geochemistry

All of the 2011 drill core was split in the drill camp and was sent to the Stewart Group Laboratory prep lab (Eco Tech Analytical Laboratory Ltd.) in Whitehorse, YT. Core was split using a conventional manual core splitter. Half of the core sample interval was replaced in the core box which has been permanently stored on the Kiwi Property. All core and rock samples shipped were sealed in plastic bags, and then placed in rice bags and sealed with zip ties to prevent tampering.

A total of 357 core samples and four rock samples were analyzed by 35 element ICP-Atomic Emission Spectrometry and Fire Assay Method (AA Finish). Original assay certificates are documented in Appendix V. The core samples were split and prepared for shipping in the field using procedures described in Appendix III. Sample preparation, analytical procedures and analysis detection limits can be found in Appendix III.

Anomalous precious metal mineralization and indicator elements as defined in the 2010 assessment report were intercepted in KW11001. Appendix V summarizes highlights from the 2011 program. Detailed descriptions of drill hole geology and mineralization are included with the DDH logs in Appendix IV.



354000

354100

354200



Kiwi Property

Figure 5 - 2011 Rock Sample Locations

Projection - NAD 83 UTM Zone 09N

Scale - 1: 1000

27/11/2011



6943700

6943700

6943600

6943600

6943500

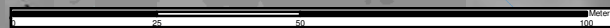
6943500

MMKWR003 (130)
MMKWR004 (200)
MMKWR002 (230)
MMKWR001 (70)

VG Showing

Legend

- Trench
- Fault
- Rock Sample (Au ppb)
- Mineral Occurrence
- Geology
- Unknown
 - 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
- Vein
- Mid-Cretaceous
 - massive brownish weathering biotite, quartz, hornblende, feldspar crystal lithic tuffs and minor debris flows, grade into subvolcanic quartz feldspar porphyry equivalents (3)
 - 2-3 volcanics grading to quartz feldspar porphyry (QFP)
 - feldspar porphyritic quartz monzonite dykes and sills, grades into unit 2
- Ordovician
 - 1 black, commonly graphitic shales with minor black grit



354000

354100

354200

CONCLUSIONS

The Kiwi property has the potential to host significant epithermal style gold mineralization as shown by the historical high grade grab sample. The fact that the high grade sample discovered in 1997 has never been repeated by prospecting, trenching, and diamond drilling is concerning. The property is hindered by the terrain, including 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 2011 exploration program consisted of rock sampling of the historic VG trench, and a one hole, 350.52 meter diamond drilling program.

The rock sampling and subsequent analysis confirmed the presence of anomalous gold values at the VG trench. The highest result returned 230 ppb Au (MMKWR002).

The diamond drilling and subsequent drill core analysis confirmed the presence of weakly anomalous gold values associated with quartz-carbonate-pyrite+/-arsenopyrite veining. Anomalous gold values (Au > 100 ppb) were returned from seven drill core samples: KW11001-164 1.00 meters of 150 ppb Au; KW11001-171 1.00 meters of 130 ppb Au; KW11001-178 1.00 meters of 110 ppb Au; KW11001-234 0.78 meters of 100 ppb Au; KW11001-293 1.00 meters of 110 ppb Au; KW11001-296 1.00 meters of 110 ppb Au; KW11001-336 1.35 meters of 100 ppb Au. The geophysical anomaly targeted in KW11001 appears to be in response to the graphitic-pyritic shales of the Road River Group, and to a lesser extent pyrite-arsenopyrite mineralization.

Although the 2011 exploration program was not successful in terms of precious metal analytical results, extensive mineralization was intersected by the diamond drilling and the overall understanding on the property was enhanced.

RECOMMENDATIONS

Recommendations for the Kiwi property are as follows:

Phase I

1. Detailed mapping, prospecting, and geochemical sampling of newly acquired mineral tenure.
2. Follow up mapping, prospecting, and sampling of geochemical anomalies identified during the 2010 exploration program.
3. Petrographic rock sample analysis to better constrain the age of igneous rocks on the property, and mineralization styles.

Phase II

1. Follow up bedrock trenching of geochemical anomalies.
2. Diamond Drilling (1000 m), contingent upon favorable geochemical results.

REFERENCES

- Higgs, A (2010): 2010 Assessment Report on the Kiwi Project, Whitehorse Mining District Mapsheet 105J12.
- 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.
- Pautler, 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.

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Michael A. McCuaig, B. Sc. Do hereby certify that:

I am currently employed as a Geologist, with TerraLogic Exploration Inc. with business address: Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7.

I graduated with a Bachelor of Science Degree from St. Francis Xavier University in 2003.

I have worked as a geologist for five years since my graduation from university.

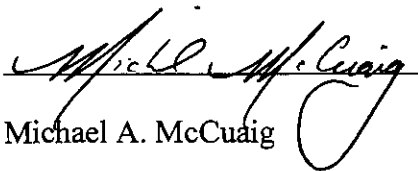
I supervised the 2011 diamond drilling program on the Kiwi property.

This report is supported by diamond drill data and samples collected during fieldwork on the Kiwi property in the Whitehorse Mining District, YK, NTS 105J12, during the period June 27th, 2011 to July 24th, 2011.

I have authored this assessment report titled "2011 Diamond Drilling Report for the Kiwi Property" and dated October 28th, 2011 to the exploration program conducted by Omineca Mining and Metals Ltd.

I am a full time employee with TerraLogic Exploration Inc. since June 1st, 2011 and currently hold 0 shares with the option to purchase 25,000 shares of Omineca Mining and Metals Ltd. At \$0.40 per share.

Dated this 28th day of October 2011, in Cranbrook, British Columbia.



Michael A. McCuaig

APPENDIX II

Statement of Expenditures

Diamond Drilling					Totals
Personnel (Name) / Position	Field Days (2011)	Days	Rate	Subtotal	
Mike McCuaig / Project Geologist	27/06/2011; 4/07/2011; 14/07/2011-24/07/2011; 27/08/2011	13.97	\$525.00	\$7,334.25	
Chris Gallagher / Chief Geotechnologist	7/7/2011	1.00	\$725.00	\$725.00	
Evan Redburn / Jr. Core Logging Geologist	27/06/2011; 14/07/2011 - 24/07/2011	11.20	\$450.00	\$5,040.00	
Timothy Dertinger / Camp Manager, Geotechnician	17/07/2011-24/07/2011	7.15	\$375.00	\$2,681.25	
Andreas Unterberger / Geotechnician	17/07/2011-24/07/2011	7.15	\$375.00	\$2,681.25	
Aaron Higgs / Geologist	27/06/2011	0.30	\$625.00	\$187.50	
				\$18,649.25	\$18,649.25
Office Studies	List Personnel	No.	Rate	Subtotal	
Project Management	Jesse Campbell	1.50	\$725.00	\$1,087.50	
Project Planning	Fiona Katay	5.90	\$525.00	\$3,097.50	
Field preparation	Grayson Clague / Geotechnician	0.34	\$330.00	\$112.20	
Field preparation	Nathan Taylor / Geotechnician	0.15	\$395.00	\$59.25	
Field preparation	Jason Kolcon / GIS Technician	0.15	\$425.00	\$63.75	
Field preparation	Brad Robison / Equipment Manager, OH & S Manager	1.60	\$525.00	\$840.00	
Field preparation	Timothy Dertinger / Camp Manager, Geotechnician	7.47	\$330.00	\$2,465.10	
Field preparation	Timothy Dertinger / Camp Manager, Geotechnician	6.04	\$375.00	\$2,265.00	
Database compilation	Chris Gallagher / Chief Geotechnologist	2.28	\$725.00	\$1,653.00	
Report preparation	Mike McCuaig	4.00	\$525.00	\$2,100.00	
				\$13,743.30	\$13,743.30
Contractors and Subcontractors					
Geological	All-terrane Mineral Exploration Services			\$798.68	
Camp Cook, OFA Level 3	Larch Hills Enterprises Ltd.			\$4,080.00	
				\$4,878.68	\$4,878.68
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Drill (cuttings, core, etc.)	KW11001-001 thru KW11001-357	357.0	\$16.12	\$5,755.68	
Rock	MMKWR001 thru MMKWR004	4.0	\$26.88	\$107.52	
				\$5,863.20	\$5,863.20
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal	
Diamond	One Hole, NQ, 350.52 meters		\$0.00	\$69,465.05	
				\$69,465.05	\$69,465.05
Transportation		No.	Rate	Subtotal	
Airfare			\$0.00	\$2,605.57	
Taxi			\$0.00	\$38.75	
Fuel			\$0.00	\$1,938.28	
Helicopter (hours)	Fireweed Helicopters	45.6	\$1,250.00	\$57,023.13	
Fuel (litres/hour)	Burn Rate 130 litres/hour	45.60	\$2.79	\$14,160.02	
Other	Excess Baggage Charges			\$64.38	
Other	Charter Flight with Alkan Air: Whitehorse to Twin Creeks to Whitehorse		\$0.00	\$333.37	
				\$76,163.50	\$76,163.50
Accommodation & Food	Rates per day				
Hotel			\$0.00	\$864.75	
Camp	Groceries and other camp supplies		\$0.00	\$13,310.81	
Meals	Actual costs of meals while crew members were traveling		\$0.00	\$490.04	
				\$14,665.60	\$14,665.60
Geological and Geochemical					
Geological Supplies			\$0.00	\$51.42	
Sampling Consumables	sample bags, tags, flagging, ear plugs, silver and gold reference ore, gloves		\$0.00	\$1,028.20	
				\$1,079.62	\$1,079.62
Equipment Rentals and Maintenance		No.	Rate Per Mo.	SubTotal	
Barrell Pump (hand) - per month		0.66	\$ 25.00	16.50	
Chainsaw - per month		0.22	\$ 150.00	33.00	
Computer wi printer - per month		0.44	\$ 220.00	96.80	
Core Splitter - per month		0.22	\$ 350.00	77.00	
Diesel Stove - per month		1.54	\$ 350.00	539.00	
Digital Camera - per month		0.22	\$ 100.00	22.00	
Dryer - per month		0.22	\$ 400.00	88.00	
Field kits - per month		0.66	\$ 600.00	396.00	
Fire suppression tank (backpack) - per month		0.44	\$ 110.00	48.40	
Freezer - per month		0.22	\$ 400.00	88.00	
Fridge - per month		0.22	\$ 400.00	88.00	
Generator 3-10kw - per month		0.22	\$ 1,350.00	297.00	
Hot Water Tank (40 gal) - per month		0.22	\$ 400.00	88.00	
Internet/Voip box - per month		0.22	\$ 1,100.00	242.00	
Kitchen Supplies - per month		0.22	\$ 150.00	33.00	
Level III First Aid Kit - per month		0.22	\$ 281.82	62.00	
Mileage per km-Unit#		370.50	\$ 0.30	111.15	
Mileage per km-Unit#03		502.00	\$ 0.30	150.60	
Mileage per km-Unit#05		755.50	\$ 0.30	226.65	
Mileage per km-Unit#EPL		370.50	\$ 0.30	111.15	
Radio wi charger - per month		0.88	\$ 100.00	88.00	
Satellite phone wi charger - per month		0.22	\$ 250.00	55.00	
Spill kits (large) - per month		0.44	\$ 266.00	117.04	
Spill kits (small) - per month		0.44	\$ 110.00	48.40	
Stove - per month		0.22	\$ 400.00	88.00	
Survival Kit - per month		0.22	\$ 100.00	22.00	
Trailer 5 Ton - per month - Unit #01		0.22	\$ 2,068.18	455.00	
Trailer Enclosed - per month - Unit #03		0.22	\$ 2,068.18	455.00	
Truck wi insurance - per day Unit#EPL		0.45	\$ 100.00	45.00	
Truck wi insurance - per month Unit#03		0.22	\$ 2,704.55	595.00	
Truck wi insurance - per month Unit#05		0.22	\$ 2,704.55	595.00	
UV Lamp - per month		0.22	\$ 100.00	22.00	
Wall tent - per month		1.32	\$ 600.00	792.00	
Washer - per month		0.22	\$ 400.00	88.00	
Water supply & Purification system - per month		0.22	\$ 350.00	77.00	
plotter maps				52.00	
regional & property geol. & DDH plan map				124.80	
JC vehicle rental				410.02	
Kit CorientR-NQ				767.50	
InfoSat airtime				52.45	
First aid kit & oxygen				47.94	
Chain oil				7.50	
Generator maint. & fuel filters				31.10	
Repair propane tanks				72.49	
Chainsaw part				2.00	
A Unterberger exp reimb-trk wash				2.14	
				\$7,926.63	\$7,926.63
Freight					
Smalls Expediting Services			\$0.00	\$6,106.49	
				\$6,106.49	\$6,106.49
TerraLogic Exploration Handling and Adminstration Fees				\$30,549.62	
				\$30,549.62	\$30,549.62
TOTAL Expenditures					\$249,090.94

APPENDIX III

Geochemical Protocol

Appendix 3.1 – Geochemistry – DDH Sampling Techniques

Core Logging: Daily visits to the drill occurred at shift change, 7:00 am and 7:00 pm respectively. This was done to ensure that the drill core and footage markers were being placed in the box correctly, and that the drill core was free from grease and other drill additives.

1. Core boxes were loaded into a metal basket for storage immediately after being filled on the drill platform. At each cross-shift the core boxes were secured with wooden lids, rubber bands, and ratchet straps. It was then flown to the Dragon Lake camp.
2. TerraLogic crew members received the basket of core from the helicopter. Each box was taken from the basket and placed on wooden skids in sequence. The lowest box number was placed on the skids first, and then the rest follow in order. The rubber bands and core box lids were then loaded back into the basket, secured with the ratchet strap and returned to the property.
3. Once all of the boxes are laid out, the core boxes and blocks are checked making sure that everything has been properly recorded, and that nothing is missing.
4. A summary log is taken for the following geologic features: Alteration, Lithology, and Mineralization. The information is used to provide quick daily updates of drilling activities.
5. The core boxes remain on the wooden skids until they are transferred into the core shack for logging and sampling.
6. The core logging tent could accommodate a total of 8, four foot core boxes at any one time for logging. The boxes were placed on wooden saw horses which were constructed on site. The boxes were ordered such that the lowest box number was on the tent side of the left most saw horse. The rest of the boxes followed in sequence, ordered such that the core is read like pages in a book, left to right moving down hole.
7. Once the core was laid out on the saw horses geotechnical procedures began. In summary these procedures include:
 - Cleaning the core of any unwanted dirt, grease, or other drill additives
 - Converting footage markers to metric, each footage marker had the corresponding meterage written on the flip side of the marker. Brackets were drawn on either side of the block, on the margin of the box so that if the block was accidentally moved it could be placed back in its original position.
 - Using the converted measurements on the blocks one-meter intervals were marked on the drill core using a grease pencil. During this process the “start” and “finish” meterage was written at the top left and bottom right of each box using a permanent marker and/or a carpenter’s pencil.
 - Core recovery intervals are calculated for each run of core. This process involves measuring of the drill core. Beginning at the start of the run the geotechnician measures each piece of core moving down the hole until the end of the run. This cumulative measurement is recorded in a palm pilot. The recovery percentage is then calculated in the palm pilot. The recovered drill core is expressed as the percentage of core recovered with respect to the length of the interval stated between the meterage blocks. Each run has the recovery written on the margin of the box above the end block for the run.

- A metal tag was affixed to the left hand end of each box. The hole number, box number, and meterage interval was written on each tag (eg. KW11-001 Box 1 3.05 m – 7.90 m). All of this information was recorded by hand in a notebook, and kept as a reference guide for organizing core photographs.
8. Upon completion of the geotechnical procedure sample layout and core logging was initiated. In summary these procedures include:
- Sample layout was completed by the project geologist. The entire drill hole was sampled from collar to the end of the hole. Sample intervals were marked on the core using a red grease pencil. Sample intervals were marked out at one meter intervals, the corresponding meterage written at the beginning of each interval in red grease pencil. Modification of sample intervals from the one meter standard was necessary to allow for changes in lithology, alteration, veining, and mineralization. Sample intervals did not exceed 1.40 meters. Above the beginning of each sample interval a metal sample tag was affixed to the box. The left hand edge of every sample tag was aligned with the beginning of the sample interval. On each sample tag the sample number, and sample interval meterage was written as follows (KW11001-001 1.00 m – 2.00 m). The sample tag number, and sample interval from/to meterage was recorded digitally in the palm pilot. The total recovered length of each sample interval was measured, and digitally recorded in the palm pilot.
 - Core logging was completed by a geology student, under the supervision of the project geologist. All core logging was recorded into an Access Database designed by TerraLogic Exploration Inc. All aspects of geological information are recorded into the data base under the following table headings: alteration, brecciation, lithology, mineralization, structure, shearing, veining, and vein intervals.
9. Upon completion of sample layout and core logging the drill core was taken out of the core shack and stacked in order. The core was then photographed two boxes at a time, in order down hole. Core remained stacked outside the logging tent awaiting sampling.

Core Sampling: Sampling/core splitting was carried out using a conventional manual hand splitter. The sampling geotechnician began sampling at the beginning of the hole, and continued sequentially until the bottom of the hole. The core sampling procedure is as follows:

1. Upon bringing the core box inside the core logging/splitting tent, the geotech writes out seven sample tags on orange flagging tape, and labels seven plastic poly sample bags on both sides with the sample number. The tech then places each sample flagging tag in the corresponding sample poly bag. The bags are then organized sequentially and placed next to the core splitting station.
2. The geotech was instructed to split each sample in half such that the rock sample in the bag, and the box shared equal representation of mineralization. This was done based on visual inspection of the core, and estimating the best split of mineral distribution.
3. The core is then placed into the rock splitter such that the blade splits the rock in half along the line of sight selected by the geotech.
4. Once broken half of the sample is placed in the sample bag, and the other piece is returned to the box in the correct order and orientation.
5. After splitting the entire interval the core splitter is brushed clean. All of the fine material created during the splitting process is collected in trays below the core splitter and placed in the sample bag.
6. The sample bag is then sealed using orange flagging tape, and placed into a white rice bag. The sample number, sample date, and rice bag number are then recorded by hand in a sample log. These written documents are kept to update sample shipment records.
7. The above procedure is repeated seven times. Upon completion of the seventh sample the geotech double checks that all samples in the rice bag match the correct sample intervals outlined in the boxes. In addition the geotech double checks that each sample in the bag corresponds to the information written in the sample log. If all samples and documentation pass the quality control check then the rice bag is sealed with a plastic zip tie.
8. The above procedure was repeated for all sampling of KW11-001 drill core.
9. As each rice bag is completed they are lined up in order, beginning with bag # 1 awaiting shipment.
10. QAQC samples were inserted into the sample sequence by the project geologist. Standard gold-silver reference ores were included in the sample sequence every 20th sample. Blank reference material was included in the sample sequence every 40th sample. Standard samples have the following nomenclature KW11001-020S, KW11001-040S, etc. Blank samples have the following nomenclature: KW11001-040B, KW11001-080B, etc. Both standard and blank samples were packaged in the same fashion as drill core samples.

Appendix 3.2 – Geochemistry – Field Sampling Techniques

Field Sampling Techniques

Rock samples were collected in the field by placing 1-2 kg of material in heavy grade plastic sample bag 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.

Sample locations were marked in the field with orange arctic-grade flagging tape, 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, 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 Stewart Group (EcoTech) Prep lab in Whitehorse.

Appendix 3.3 – Geochemistry – Analytical Techniques

GEOCHEMISTRY – ANALYTICAL TECHNIQUES

All samples were sent to Stewart Group Laboratories (Eco Tech Laboratories Ltd.), Whitehorse, YT for preparation and then to Kamloops, BC for analysis. Stewart Group Laboratories (Eco Tech Laboratories Ltd.). All samples were collected, handled, cataloged and prepared for shipment by TerraLogic Exploration staff.



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. 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 FIRE ASSAY: ASSAYS (Au3-30)



A 30g 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). Gold detection limit on AA is 0.03-100.00 g/t. Any gold samples over 100.00 g/t will be run using a gravimetric analysis protocol. 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-AES AQUA REGIS DIGESTION (AR-ES)



A 0.5 gram sample is digested with a 3:1:2 (HCl: HNO₃: H₂O) 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 ICP-AES:

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**

Appendix 3.4 – Software

The following software was used to compile the information provided in the 2011 Assessment Report for the Kiwi Property:

- Microsoft Office 2010
- ArcGIS v.9.3.1
- Geosoft Target v.7.2.1
- Adobe Acrobat X Standard
- Corel Graphics Suite 11
- Open Office.org 3.0
- Pendragon Forms

APPENDIX IV

Diamond Drill Hole Logs and Samples

Appendix 4.1.1 - Alteration

<i>DDH Hole Number</i>	<i>DDH Length (m)</i>	<i>DDH Azimuth (Deg)</i>	<i>DDH Dip (+ Down)</i>	<i>DDH Easting (NAD83)</i>	<i>DDH Northing (NAD83)</i>	<i>DDH Elevation (m)</i>	<i>DDH Status</i>	<i>Date Complete</i>	<i>Project Geologist</i>
KW11001	350.52	45	-45	354065	6943507	1080	COMPLETE	7/19/2011	Mike McCuaig

<i>From (m)</i>	<i>To (m)</i>	<i>Alteration 1</i>	<i>Degree</i>	<i>Alteration 2</i>	<i>Degree</i>	<i>Alteration 3</i>	<i>Degree</i>	<i>Note:</i>
11.64	19.07	SERICITE	2					Greenish hue to some clasts and groundmass in areas
19.07	20.7	SERICITE	2					Ground mass has been altered to a dark green colour. Clasts of feldspar are a light green colour. Sericite matrix has formed in brecciated section as well as other areas. Original clasts sizes small.
20.7	25	SERICITE	1					Original clast size smaller, but larger than more altered area.
25	27.43	SERICITE	3					Green ground mass composes most of rock. Most to all feldspars are green and smaller (1-2mm). Quartz porphyroblasts also smaller in size (1mm)
31.6	33.63	SERICITE	2					Greenish hue to some clasts and groundmass
33.63	35.9	SERICITE	4					Groundmass green and nearly all porphyroblasts are green and they are much smaller in size (1-2mm)
36.58	37	SERICITE	4					Rock is almost all green groundmass. Only few small quartz porphyroblasts left.
39	39.26	SERICITE	4					Groundmass green and nearly all porphyroblasts are green and they are much smaller in size (1-2mm)
39.31	40.92	SERICITE	4					Ground mass has greenish tinge. Some clasts are altered. More specifically the Kspar is the most altered.
40.93	55.18	SERICITE	4					Groundmass green and nearly all porphyroblasts are green and they are much smaller in size (1-2mm). Feldspars stil visible squareish.
171.38	189.86	SERICITE	4					Groundmass green and nearly all porphyroblasts are green and they are much smaller in size (1-2mm). Quartz still visibly unaltered.
217.75	224	SILICA	3					Overprinting brecciated porphyry forming matrix around porphyroblast of porphyry and shale.
225.55	228.9	SILICA	2					Overprinting porphyry.
241.2	266.88	SERICITE	1					Forming in quartz veins. As in throughout shale units with veins.
266.88	291	SILICA	2	SERICITE	1			Feldspar porphyrys seem to be sericitized while the quartz clasts have all been altered to pyrite. Green altered porphyrys assumeably feldspars also appear in parts and they have a talcose texture to them.
291	298.7	CARBONATE	1	SILICA	1	SERICITE	1	The aphanitic matrix is a darker green and the porphyroblasts are a lighter lime green colour with talcose texture there is calcite and rhodochrosite veining / fracture fills. Quartz clasts are unaltered or have been replace by pyrite.

Appendix 4.1.1 - Alteration

<i>DDH Hole Number</i>	<i>DDH Length (m)</i>	<i>DDH Azimuth (Deg)</i>	<i>DDH Dip (+ Down)</i>	<i>DDH Easting (NAD83)</i>	<i>DDH Northing (NAD83)</i>	<i>DDH Elevation (m)</i>	<i>DDH Status</i>	<i>Date Complete</i>	<i>Project Geologist</i>
KW11001	350.52	45	-45	354065	6943507	1080	COMPLETE	7/19/2011	Mike McCuaig

<i>From (m)</i>	<i>To (m)</i>	<i>Alteration 1</i>	<i>Degree</i>	<i>Alteration 2</i>	<i>Degree</i>	<i>Alteration 3</i>	<i>Degree</i>	<i>Note:</i>
298.7	328.3	SERICITE	3	CARBONATE	1	SILICA	1	Ground mass is a light green and porphyroblasts are lime green in clour and talcose. The Quartz porphyroblasts are still visible at parts, some replaced by pyrite.
328.3	333	CARBONATE	4	SILICA	3			Rock completely altered. Very vuggy texture. Black shale appears as matrix for part of this while carbonate (rhodochrosite) is veined as well as clastic in shale brecciated parts. Silica alteration has been overprinted by carbonate.
333	341.15	SERICITE	3	CARBONATE	1	SILICA	1	Ground mass is a light green and porphyroblasts are lime green in clour and talcose. The Quartz porphyroblasts are still visible at parts, some replaced by pyrite.
341.15	343.25	CARBONATE	2					Filling fractures
343.25	350.52	SERICITE	3	CARBONATE	1	SILICA	1	Ground mass is a light green and porphyroblasts are lime green in clour and talcose. The Quartz porphyroblasts are still visible at parts, some replaced by pyrite.

Appendix 4.1.2 - Lithology

<i>DDH Hole Number</i>	<i>DDH Length (m)</i>	<i>DDH Azimuth (Deg)</i>	<i>DDH Dip (+ Down)</i>	<i>DDH Easting (NAD83)</i>	<i>DDH Northing (NAD83)</i>	<i>DDH Elevation (m)</i>	<i>DDH Status</i>	<i>Date Complete</i>	<i>Project Geologis</i>
KW11001	350.52	45	-45	354065	6943507	1080	COMPLETE	7/19/2011	Mike McCuaig
<i>From (m)</i>	<i>To (m)</i>	<i>Map Unit</i>	<i>Major Rock Type</i>	<i>Primary Colour</i>	<i>Secondary Colour</i>	<i>Primary Texture</i>	<i>Secondary Texture</i>	<i>Notes:</i>	
0	9.14		Overburden						
9.14	11.64		Shale	black		fractured		Occasional quartz clasts and or fracture infill.	
11.64	27.43		Porphyry	grey green	white	porphyritic	gouge	Occasional sulphide clasts. Different degrees of alteration and alteration minerals. Gouge varies as well. Quartz looking aphanitic ground mass with quartz, feldspar and biotite/phlogopite crystals. Feldspar porphyrys(andesine) have a green mineral inclusion in them. Porphyry grains shrink with increased alteration.	
27.43	31.5		Shale	black		fractured	bedded	What looks to be bedding or compositional layering has a structure that looks like an isoclinal fold.	
31.5	35.9		Porphyry	grey green	white	fractured		Occasional sulphide clasts. Different degrees of alteration and alteration minerals. Gouge varies as well. Quartz looking aphanitic ground mass with quartz, feldspar and biotite/phlogopite crystals. Feldspar porphyrys(andesine) have a green mineral inclusion in them. Porphyry grains shrink with increased alteration.	
35.9	39		Shale	black	grey	fractured	gouge	What looks to be bedding or compositional layering has a structure that looks like an isoclinal fold.	
39	39.36		Porphyry	grey green	white	fractured			
39.36	55.18		Porphyry	grey	white	gouge		Kspar pink in colour appears. Ground mass becoming a larger part of the rock and porphyroblasts are starting to bcome smaller. More extrusive looking.	
55.18	63		Shale	black	grey	fractured	brecciated	this unit has lage clasts of argillite as well as porphyry in it. Breccia.	

Appendix 4.1.2 - Lithology

<i>DDH Hole Number</i>	<i>DDH Length (m)</i>	<i>DDH Azimuth (Deg)</i>	<i>DDH Dip (+ Down)</i>	<i>DDH Easting (NAD83)</i>	<i>DDH Northing (NAD83)</i>	<i>DDH Elevation (m)</i>	<i>DDH Status</i>	<i>Date Complete</i>	<i>Project Geologis</i>
KW11001	350.52	45	-45	354065	6943507	1080	COMPLETE	7/19/2011	Mike McCuaig
<i>From (m)</i>	<i>To (m)</i>	<i>Map Unit</i>	<i>Major Rock Type</i>	<i>Primary Colour</i>	<i>Secondary Colour</i>	<i>Primary Texture</i>	<i>Secondary Texture</i>	<i>Notes:</i>	
63	75		Shale	Black	grey	fractured	autoclastic	The clasts of porphyry are no longer present only smaller rounded clasts of quartz. They are sub rounded and are accompanied by lithic fragments of similar size and in fact lithic fragments make up the largest percent of clasts. Not to be confused with brecciated areas of the shale which host much more angular clasts of the shale itself..	
75	95.33		Shale	black	beige	bedded	veined	Primary bedding or mineral banding is visible in non-gouge areas. Veins run throughout. Fracturing varies.	
95.33	103.83		Shale	black	beige	brecciated	veined	Lithic fragments in shale matrix with some quartz/sericite veins.	
103.83	111.62		Granodiorite	grey	black	fractured	veined	Fine grained brecciated in ares veined as well.	
111.62	136.7		Shale	black	grey	veined	bedded	The bedding is visible in non sheared or gouged areas. The veins are sparatic and contain most of the mineralization. The bedding varies between black and grey denoted compositional banding.	
136.7	146.3		Shale	black	grey	gouge	fractured	Volcaniclastics appear to be clasts in the shale.	
146.3	149.35		Volcaniclastic rock	white	grey	fractured	gouge		
149.35	173.34		Shale	black	grey	fractured	veined	The occasion lithic clast appears within the shale unit as well as the occasional quartz clast. Occasion calcite vein.	
173.34	189.15		Porphyry	grey green	white	fractured	sheared	Kspar pink in colour appears also altered to a green mineral. Ground mass a larger part of the rock (up to 90%) and porphyroblasts are starting to become smaller and more rounded. More extrusive looking.	

Appendix 4.1.2 - Lithology

<i>DDH Hole Number</i>	<i>DDH Length (m)</i>	<i>DDH Azimuth (Deg)</i>	<i>DDH Dip (+ Down)</i>	<i>DDH Easting (NAD83)</i>	<i>DDH Northing (NAD83)</i>	<i>DDH Elevation (m)</i>	<i>DDH Status</i>	<i>Date Complete</i>	<i>Project Geologis</i>
KW11001	350.52	45	-45	354065	6943507	1080	COMPLETE	7/19/2011	Mike McCuaig
<i>From (m)</i>	<i>To (m)</i>	<i>Map Unit</i>	<i>Major Rock Type</i>	<i>Primary Colour</i>	<i>Secondary Colour</i>	<i>Primary Texture</i>	<i>Secondary Texture</i>	<i>Notes:</i>	
189.15	189.86		Volcaniclastic rock	beige	grey	extrusive	porphyroblastic	Aphanitic matrix with altered feldspar porphyroblasts and unaltered quartz porphyroblasts.	
189.86	192.27		Shale	black	grey green	veined	fractured	Altrnating shale and volcaniclastic layers some interfingering.	
192.27	216.94		Shale	black	grey	veined	sheared	Parts are Brecciated with up to 3.5 cm lithic fragments and up to 6 cm quartz fragments. Other parts only fine grained shale visible. Fracture fill veinlets visible throughout in non gougey areas.	
216.94	217.95		Shale	grey	black	brecciated	altered		
217.95	224		Porphyry	white	grey	brecciated	sheared	Parts brecciated and parts sheared (see tables)	
224	225.47		Shale	black	grey	bedded	fractured	bedding folded.	
225.47	227.08		Porphyry	beige	white	fractured	porphyritic	Aphanitic quartz matrix with up to 2mm porphyroblasts of altered feldspars (green in colour)	
227.08	240.08		Shale	black	grey	fractured	brecciated	Bedded	
240.08	241.2		Porphyry	grey	beige	gouge	fractured	Gouge	
241.2	266.88		Shale	black	white	fractured	bedded	Folded bedding	
266.88	328.3		Porphyry	beige	grey	fractured	veined	Aphanitic matrix with altered feldspar porphyroblasts and pyrite overprinted quartz porphyroblasts. Vuggy after 284.3m.	
328.3	333		Shale	black	beige	altered	gouged	Very altered and gouged, vuggy,	

Appendix 4.1.2 - Lithology

<i>DDH Hole Number</i>	<i>DDH Length (m)</i>	<i>DDH Azimuth (Deg)</i>	<i>DDH Dip (+ Down)</i>	<i>DDH Easting (NAD83)</i>	<i>DDH Northing (NAD83)</i>	<i>DDH Elevation (m)</i>	<i>DDH Status</i>	<i>Date Complete</i>	<i>Project Geologis</i>
KW11001	350.52	45	-45	354065	6943507	1080	COMPLETE	7/19/2011	Mike McCuaig

<i>From (m)</i>	<i>To (m)</i>	<i>Map Unit</i>	<i>Major Rock Type</i>	<i>Primary Colour</i>	<i>Secondary Colour</i>	<i>Primary Texture</i>	<i>Secondary Texture</i>	<i>Notes:</i>
333	342.15		Porphyry	beige	grey	fractured	veined	Aphanitic matrix with altered feldspar porphyroblasts and pyrite overprinted quartz porphyroblasts. Vuggy after 284.3m.
342.15	343.25		Shale	black	grey	veined	bedded	Shale brecciated by carbonate veining.
343.25	350.52		Porphyry	beige	grey	fractured	veined	Aphanitic matrix with altered feldspar porphyroblasts and pyrite overprinted quartz porphyroblasts. Vuggy after 284.3m.

Appendix 4.1.3 - Mineralization

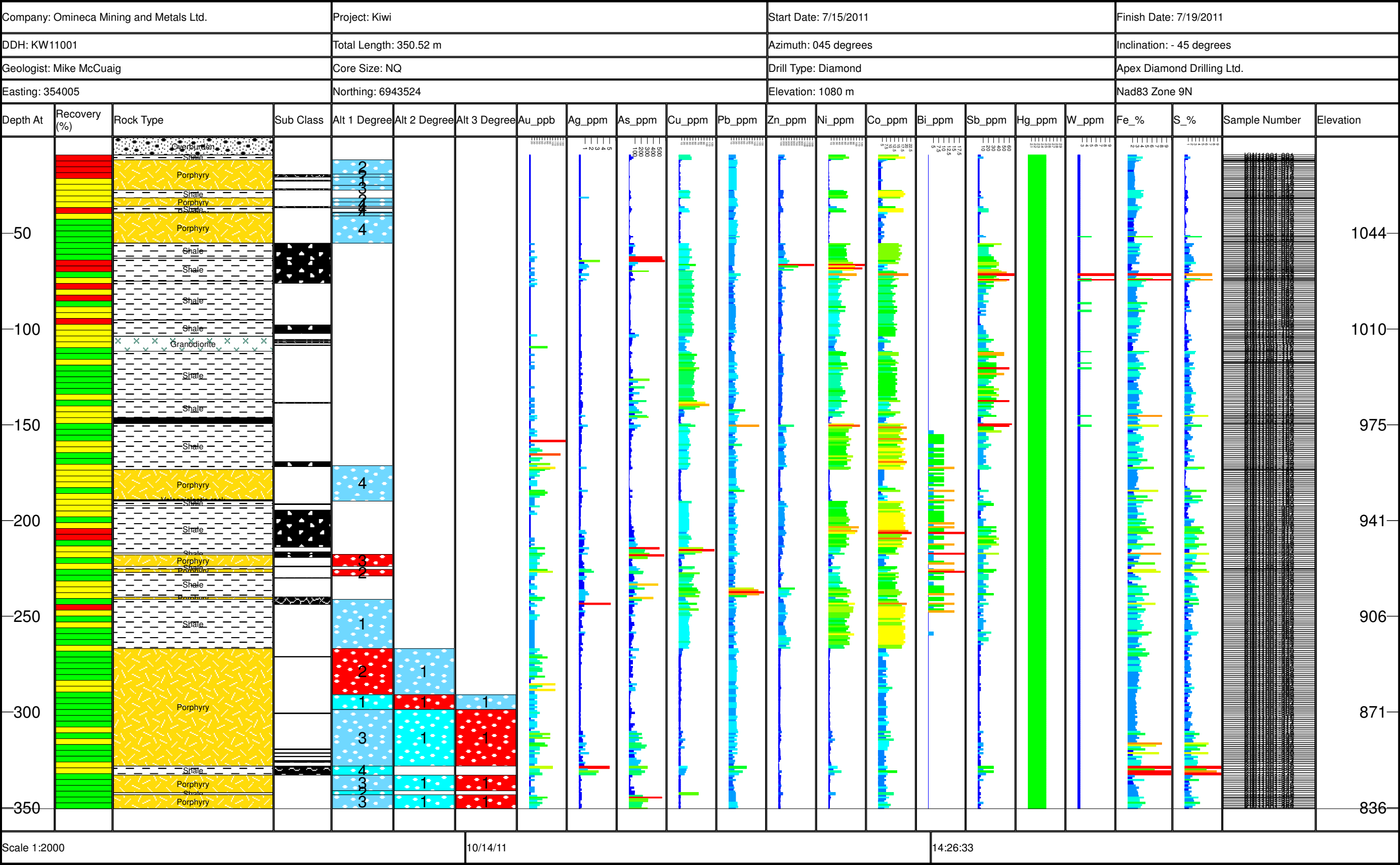
DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (Deg)	DDH Easting (Nad83)	DDH Northing (Nad83)	Date Completed	Logging Geologist
KW11001	350.52	45	-45	354065	6943507	7/19/2011	Evan Redburn
From (m)	To (m)	Mineral	Percentage (%)	Mineral Grain size	Mineralization Style	Note:	
9.14	11.64	Pyrite	0.20	fine	DISSEMINATED		
12.12	12.38	Arsenopyrite	0.20	fine	BLEBBY		
12.12	12.38	Pyrite	0.20	fine	DISSEMINATED		
12.38	21.23	Pyrite	0.20	fine	NODULAR	Fractures.	
21.23	21.83	Pyrite	1.00	fine	DISSEMINATED		
21.83	22.43	Pyrite	2.00	fine	DISSEMINATED	Blebbly in parts	
22.8	23.5	Pyrite	1.00	fine	FRACTURES		
27.43	32.52	Pyrite	0.20	fine	DISSEMINATED		
50	51.61	Pyrite	0.50	fine	DISSEMINATED		
51.61	52.05	Pyrite	3.00	fine	FRACTURES		
52.05	55.18	Pyrite	1.00	fine	DISSEMINATED		
55.18	62.4	Pyrite	0.30	fine	DISSEMINATED		
62.4	62.6	Pyrite	5.00	fine	BLEBBY		
62.6	67.83	Pyrite	0.50	fine	DISSEMINATED		
67.83	71	Pyrite	2.00	fine	DISSEMINATED		
71	72.13	Pyrite	5.00	fine	BLEBBY		
72.13	73.59	Pyrite	1.00	fine	DISSEMINATED	Hosted in quartz veins altering to sericite.	
73.59	74.53	Pyrite	5.00	fine	NODULAR		
74.53	76.4	Pyrite	1.00	fine	DISSEMINATED		
76.4	103.83	Pyrite	1.00	fine	VEINED	Blebbly in parts.	
103.83	111.62	Pyrite	1.00	fine	DISSEMINATED		
111.62	124.92	Pyrite	4.00	fine	BLEBBY		
146	149.35	Pyrite	1.00	fine	FRACTURES		
149.35	161.31	Pyrite	1.00	fine	BLEBBY		
161.31	173.38	Pyrite	5.00	fine	BLEBBY	Fully filling in fractures ad veins at parts where it is present.	
173.38	186.3	Pyrite	2.00	fine	FRACTURES		
173.38	186.3	Arsenopyrite	0.20	fine	FRACTURES		
189.15	192.27	Pyrite	5.00	fine	BLEBBY		
192.27	216.94	Pyrite	2.00	fine	BLEBBY		
216.94	217.95	Pyrite	10.00	fine	BLEBBY	Also forming on clasts within breccia.	
216.94	217.95	Arsenopyrite	0.20	fine	DISSEMINATED		
217.95	224	Pyrite	4.00	fine	BLEBBY		
224	225.47	Pyrite	1.00	fine	FRACTURES		
227.08	229.9	Pyrite	3.00	fine	VEINED		
240	246.88	Pyrite	2.00	fine	BLEBBY		
246.88	266.88	Pyrite	1.00	fine	FRACTURES	Blebbly in veins.	
266.88	217	Pyrite	2.00	fine	FRACTURES	Either replacing veinlets of carbonate or replacing qtz porphyroblasts in porphyry.	
266.88	217	Arsenopyrite	0.10	fine	DISSEMINATED	Found along fratures w/ pyrite.	
285	300.5	Pyrite	2.00	fine	VEINED		
285	300.5	Arsenopyrite	1.00	fine	VEINED	Along edges of fractures and veins with pyrite.	
300.8	319.31	Arsenopyrite	2.00	fine	FRACTURES		
300.8	319.31	Pyrite	2.00	fine	FRACTURES		
319.31	319.7	Pyrite	12.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
319.31	319.7	Arsenopyrite	8.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
319.7	321.2	Pyrite	2.00	fine	FRACTURES		
319.7	321.2	Arsenopyrite	2.00	fine	FRACTURES		
321.2	321.63	Pyrite	20.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
321.2	321.63	Arsenopyrite	10.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
321.63	323.06	Pyrite	2.00	fine	FRACTURES		
321.63	323.06	Arsenopyrite	2.00	fine	FRACTURES		
323.06	323.34	Pyrite	20.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
323.06	323.34	Arsenopyrite	10.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
323.34	325.28	Pyrite	2.00	fine	FRACTURES		
323.34	325.28	Arsenopyrite	2.00	fine	FRACTURES		
325.28	326.26	Pyrite	20.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
325.28	326.26	Arsenopyrite	10.00	fine	BRECCIATED	Forming matrix in brecciated porphyry.	
326.26	328.3	Pyrite	2.00	fine	FRACTURES		
326.26	328.3	Arsenopyrite	2.00	fine	FRACTURES		
328.3	329.65	Pyrite	40.00	fine	SEMIMASSIVE		
328.3	329.65	Arsenopyrite	10.00	fine	VEINED		
329.65	333	Pyrite	20.00	fine	DISSEMINATED		
329.65	333	Arsenopyrite	5.00	fine	DISSEMINATED		
333	342.15	Pyrite	2.00	fine	FRACTURES		
333	342.15	Arsenopyrite	2.00	fine	FRACTURES		
342.15	343.25	Pyrite	1.00	fine	FRACTURES		

Appendix 4.1.4 - Structure

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (Deg)	DDH Easting (Nad83)	DDH Northing (Nad83)	Date Completed	Logging Geologist
KW11001	350.52	45	-45	354065	6943507	7/19/2011	Evan Redburn
Depth (m)	Structure Type	Angle to Core Axis (Deg)	Note:				
29.1	Fold Limb	16	Wrt core axis.				
57.91	Fracture	16	Could also be shear plane.				
76.02	Fracture	13	May be a fold axis, hard to tell in gouge rock.				
85.22	Bedding	68	Compositional bedding.				
85.29	Bedding	64	Compositional bedding.				
102.77	Fold Axis	29	Pyrite, quartz vein showing s folds.				
102.86	Vein	34	Vuggy, Pyrite.				
103.1	Fold Axis	11	Quartz, sericite vein showing z folds.				
106.68	Veinlet	22	Quartz.				
115.62	Bedding	15	Fold hing (A), axis (B).				
155.11	Fracture	41					
155.2	Veinlet	21					
164.25	Fold Axis	26	Fold Limb (A) Axis(B).				
164.48	Fracture	30					
167.6	Vein	29	Quartz.				
228.52	Bedding	11	Shale bedding.				
228.75	Veinlet	14	Pyrite.				
234.57	Vein	168	Calcite, Pyrite.				
254.45	Fracture	138	Not affected by folding				
254.55	Vein	164	Folded.				
254.9	Bedding	159					
277	Fracture	144	Pyrite infilled.				
277.33	Fracture	48					
277.69	Fracture	48	Pyrite infilled.				
279.7	Fracture	128	Pyrite.				
280	Fracture	148	Pyrite.				
280.14	Fracture	36	Pyrite.				
280.5	Veinlet	163	Pyrite.				
282.8	Fracture	127	Pyrite.				
285.21	Veinlet	19	Pyrite.				
285.29	Fracture	156					
285.6	Veinlet	34	Pyrite.				
291.5	Veinlet	161	Pyrite.				
291.6	Fracture	144	Pyrite.				
292.23	Vein	166	Pyrite /arsenopyrite.				
292.47	Vein	169	Pyrite /arsenopyrite.				
310.7	Shear plane	9	Contact between shear zone and non-shear, vuggy shale/calcite band.				
316.64	Vein	145	Pyrite /arsenopyrite.				
316.7	Fracture	146					
319.9	Vein	23	Pyrite /arsenopyrite.				
320.04	Vein	146					
326	Fracture	33					
334.84	Veinlet	37	Pyrite /arsenopyrite.				
334.9	Fracture	45					
340.3	Veinlet	43	Arsenopyrite.				
340.9	Veinlet	51	Arsenopyrite.				
341.28	Fracture	143					
342.51	Veinlet	55	Pyrite in shale.				
342.59	Veinlet	66	Carbonate in shale.				

Appendix 4.1.5 - Veining

Appendix 1 - Veining												
DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (Deg)	DDH Easting (Nad83)	DDH Northing (Nad83)	Date Completed	Logging Geologist					
KW11001	350.52	45	-45	354065	6943507	7/19/2011	Evan Redburn					
From (m)	To (m)	Vein density per meter	Vein Width	Angle to Core Axis	Vein Color	Grain Size	Vein Texture	Mineral 1	Mineral 2	Alteration 1	Alteration 2	Note:
32.9	33.43	1	3	19	White	Fine	VUGGED	Quartz				
41.44	44.78	5	10		White	Fine	MASSIVE	Calcite				Porphyry brecciated within calcite vein.
71	103.83	3	2		Beige	Fine	FRACTURED	Quartz		Sericite		Veins are inconsistent and in blebs at parts in vug fills.
106.41	124.92	5	2		Beige	Fine	FRACTURED	Quartz		Sericite		Vuggy in areas. Most have mineralization.
173.38	192.27	2	5		White	Fine	FRACTURED	Quartz	Calcite	Sericite	Pyrite	Brecciating the shale in areas.
192.27	212	10	1		White	Fine	FRACTURED	Quartz				Various combinations of minerals in veins. Pyrite
212	216.94	10	2		White	Fine	FRACTURED	Quartz	Calcite	Sericite	Pyrite	Various combinations of minerals in veins. Pyrite
219	224	4	15		Grey	Fine	FRACTURED	Quartz	Clays	Pyrite		Pyrite forming in shaley quartz veins.
228.9	240	10	2		White	Fine	STOCKWORK	Carbonate	Quartz		Pyrite	Capillary texture.
252.1	283.95	2	5		White	Fine	FRACTURED	Carbonate	Quartz	Pyrite	Arsenopyrite	Brecciating rock in areas. Produces vuggy texture in areas.
297.57	328.3	5	5		Grey	Fine	VUGGED	Carbonate	Quartz	Arsenopyrite	Pyrite	Arsenopyrite is forming around pyrite in veins.
333	342.15	10	2		Grey	Fine	FRACTURED	Carbonate	Quartz	Arsenopyrite	Pyrite	Arsenopyrite is forming around pyrite in veins.
342.15	343.25	5	1		White	Fine	FRACTURED	Carbonate				
343.25	350.52	10	2		Grey	Fine	FRACTURED	Carbonate	Quartz	Arsenopyrite	Pyrite	Arsenopyrite is forming around pyrite in veins.
												Almost completely replacing all qtz and carbonate.



Appendix 4.2.2 - Kwi Strip Log Legends

Legend - KW - Lithology		Legend - Global - Alteration Type	
	Granodiorite		ALBITE
	Overburden		ANKERITE
	Porphyry		ARGILLIC
	Shale		BIOTITE
	Volcanic Grit		BLEACHED
Globabl - Recovery %			CALCITE
	[0.0 , 70.0]		CARBONATE
	[70.0 , 90.0]		CHLORITE
	[90.0 , 105.0]		CLAY
	[105 , 10000]		DOLOMITE
Legend - Global - Breccia SubClass			FE STAINING
	Null		HEMATITE
	Crackle		KSPAR
	Dissolution		LIMONITE
	Mosaic		MAGNETITE
	Rubble		PYRITE
			PYROLUSITE
			SERICITE
			SILICA
			TALC
			TOURMALINE

Appendix 4.3 - Sample Log

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (Deg)	DDH Easting (Nad83)	DDH Northing (Nad83)	Date Completed
KW11001	350.52	45	-45	354065	6943507	7/19/2011

Hole Number	Sample Number	From(m)	To(m)	Interval Length(m)	Recovered Length(m)	Sample Method
KW11001	KW11001-001	9	10	1	0.43	SPLIT
KW11001	KW11001-002	10	11	1	0.34	SPLIT
KW11001	KW11001-003	11	11.64	0.64	0.46	SPLIT
KW11001	KW11001-004	11.64	12	0.36	0.27	SPLIT
KW11001	KW11001-005	12	12.12	0.12	0.1	SPLIT
KW11001	KW11001-006	12.12	12.38	0.26	0.21	SPLIT
KW11001	KW11001-007	12.38	13	0.62	0.47	SPLIT
KW11001	KW11001-008	13	14	1	0.62	SPLIT
KW11001	KW11001-009	14	15.24	1.24	0.54	SPLIT
KW11001	KW11001-010	15.24	16	0.76	0.18	SPLIT
KW11001	KW11001-011	16	17	1	0.73	SPLIT
KW11001	KW11001-012	17	18	1	0.93	SPLIT
KW11001	KW11001-013	18	19	1	0.81	SPLIT
KW11001	KW11001-014	19	20	1	0.8	SPLIT
KW11001	KW11001-015	20	21	1	0.48	SPLIT
KW11001	KW11001-016	21	21.83	0.83	0.71	SPLIT
KW11001	KW11001-017	21.83	22.8	0.97	0.75	SPLIT
KW11001	KW11001-018	22.8	24	1.2	0.82	SPLIT
KW11001	KW11001-019	24	25	1	0.88	SPLIT
KW11001	KW11001-020	25	26	1	0.97	SPLIT
KW11001	KW11001-021	26	27.43	1.43	1.29	SPLIT
KW11001	KW11001-022	27.43	28	0.57	0.51	SPLIT
KW11001	KW11001-023	28	29	1	0.53	SPLIT
KW11001	KW11001-024	29	30	1	0.84	SPLIT
KW11001	KW11001-025	30	31	1	0.74	SPLIT
KW11001	KW11001-026	31	31.6	0.6	0.24	SPLIT
KW11001	KW11001-027	31.6	32	0.4	0.38	SPLIT
KW11001	KW11001-028	32	33	1	0.93	SPLIT
KW11001	KW11001-029	33	34	1	0.85	SPLIT
KW11001	KW11001-030	34	35	1	0.91	SPLIT
KW11001	KW11001-031	35	35.9	0.9	0.58	SPLIT
KW11001	KW11001-032	35.9	37	1.1	0.71	SPLIT
KW11001	KW11001-033	37	38	1	0.4	SPLIT
KW11001	KW11001-034	38	39	1	0.62	SPLIT
KW11001	KW11001-035	39	40	1	0.97	SPLIT
KW11001	KW11001-036	40	41	1	0.9	SPLIT
KW11001	KW11001-037	41	42	1	1	SPLIT
KW11001	KW11001-038	42	43	1	0.94	SPLIT
KW11001	KW11001-039	43	44	1	0.89	SPLIT
KW11001	KW11001-040	44	45	1	0.97	SPLIT
KW11001	KW11001-041	45	46	1	0.97	SPLIT
KW11001	KW11001-042	46	47	1	0.91	SPLIT
KW11001	KW11001-043	47	48	1	0.92	SPLIT
KW11001	KW11001-044	48	49	1	0.99	SPLIT
KW11001	KW11001-045	49	50	1	0.88	SPLIT
KW11001	KW11001-046	50	51	1	0.97	SPLIT
KW11001	KW11001-047	51	51.61	0.61	0.6	SPLIT
KW11001	KW11001-048	51.61	52.05	0.44	0.43	SPLIT
KW11001	KW11001-049	52.05	53	0.95	0.93	SPLIT
KW11001	KW11001-050	53	54	1	0.99	SPLIT
KW11001	KW11001-051	54	54.5	0.5	0.43	SPLIT
KW11001	KW11001-052	54.5	55.18	0.68	0.41	SPLIT
KW11001	KW11001-053	55.18	56	0.82	0.78	SPLIT
KW11001	KW11001-054	56	57	1	0.99	SPLIT
KW11001	KW11001-055	57	58	1	0.92	SPLIT
KW11001	KW11001-056	58	59	1	0.98	SPLIT
KW11001	KW11001-057	59	60	1	0.98	SPLIT
KW11001	KW11001-058	60	61	1	0.98	SPLIT

Appendix 4.3 - Sample Log

KW11001	KW11001-059	61	62	1	0.95	SPLIT
KW11001	KW11001-060	62	63	1	0.99	SPLIT
KW11001	KW11001-061	63	64	1	1	SPLIT
KW11001	KW11001-062	64	65	1	0.61	SPLIT
KW11001	KW11001-063	65	66	1	0.73	SPLIT
KW11001	KW11001-064	66	67	1	0.74	SPLIT
KW11001	KW11001-065	67	67.85	0.85	0.08	SPLIT
KW11001	KW11001-066	67.85	68.65	0.8	0.17	SPLIT
KW11001	KW11001-067	68.65	69.45	0.8	0.17	SPLIT
KW11001	KW11001-068	69.45	70	0.55	0.51	SPLIT
KW11001	KW11001-069	70	71	1	1	SPLIT
KW11001	KW11001-070	71	72.13	1.13	1.13	SPLIT
KW11001	KW11001-071	72.13	73	0.87	0.75	SPLIT
KW11001	KW11001-072	73	73.59	0.59	0.49	SPLIT
KW11001	KW11001-073	73.59	74	0.41	0.39	SPLIT
KW11001	KW11001-074	74	74.53	0.53	0.43	SPLIT
KW11001	KW11001-075	74.53	75	0.47	0.34	SPLIT
KW11001	KW11001-076	75	76	1	0.8	SPLIT
KW11001	KW11001-077	76	77	1	1	SPLIT
KW11001	KW11001-078	77	78	1	0.8	SPLIT
KW11001	KW11001-079	78	79	1	0.7	SPLIT
KW11001	KW11001-080	79	80	1	0.93	SPLIT
KW11001	KW11001-081	80	81	1	0.8	SPLIT
KW11001	KW11001-082	81	82	1	0.52	SPLIT
KW11001	KW11001-083	82	82.8	0.8	0.75	SPLIT
KW11001	KW11001-084	82.8	84	1.2	0.12	SPLIT
KW11001	KW11001-085	84	85	1	0.96	SPLIT
KW11001	KW11001-086	85	86	1	0.95	SPLIT
KW11001	KW11001-087	86	87	1	0.86	SPLIT
KW11001	KW11001-088	87	88	1	1	SPLIT
KW11001	KW11001-089	88	89	1	0.9	SPLIT
KW11001	KW11001-090	89	90	1	0.91	SPLIT
KW11001	KW11001-091	90	91	1	0.89	SPLIT
KW11001	KW11001-092	91	92.06	1.06	0.76	SPLIT
KW11001	KW11001-093	92.06	93	0.94	0.86	SPLIT
KW11001	KW11001-094	93	94	1	0.77	SPLIT
KW11001	KW11001-095	94	95.41	1.41	0.35	SPLIT
KW11001	KW11001-096	95.41	96.36	0.95	0.2	SPLIT
KW11001	KW11001-097	96.36	97.31	0.95	0.2	SPLIT
KW11001	KW11001-098	97.31	98	0.69	0.64	SPLIT
KW11001	KW11001-099	98	99	1	0.75	SPLIT
KW11001	KW11001-100	99	100	1	0.9	SPLIT
KW11001	KW11001-101	100	100.6	0.6	0.5	SPLIT
KW11001	KW11001-102	100.6	102	1.4	1.05	SPLIT
KW11001	KW11001-103	102	103	1	1	SPLIT
KW11001	KW11001-104	103	103.83	0.83	0.8	SPLIT
KW11001	KW11001-105	103.83	104.56	0.73	0.52	SPLIT
KW11001	KW11001-106	104.56	105.28	0.72	0.57	SPLIT
KW11001	KW11001-107	105.28	106	0.72	0.66	SPLIT
KW11001	KW11001-108	106	107	1	1	SPLIT
KW11001	KW11001-109	107	108	1	0.7	SPLIT
KW11001	KW11001-110	108	109	1	0.9	SPLIT
KW11001	KW11001-111	109	110	1	0.86	SPLIT
KW11001	KW11001-112	110	111	1	1	SPLIT
KW11001	KW11001-113	111	111.62	0.62	0.61	SPLIT
KW11001	KW11001-114	111.62	112	0.38	0.27	SPLIT
KW11001	KW11001-115	112	113	1	0.85	SPLIT
KW11001	KW11001-116	113	114	1	0.92	SPLIT
KW11001	KW11001-117	114	115	1	0.86	SPLIT
KW11001	KW11001-118	115	116	1	0.92	SPLIT
KW11001	KW11001-119	116	117	1	0.98	SPLIT
KW11001	KW11001-120	117	117.48	0.48	0.47	SPLIT
KW11001	KW11001-121	117.48	118.05	0.57	0.04	SPLIT
KW11001	KW11001-122	118.05	119	0.95	0.92	SPLIT

Appendix 4.3 - Sample Log

KW11001	KW11001-123	119	120	1	1	SPLIT
KW11001	KW11001-124	120	121	1	0.88	SPLIT
KW11001	KW11001-125	121	122	1	1	SPLIT
KW11001	KW11001-126	122	123	1	0.85	SPLIT
KW11001	KW11001-127	123	124	1	1	SPLIT
KW11001	KW11001-128	124	125	1	1	SPLIT
KW11001	KW11001-129	125	126	1	1	SPLIT
KW11001	KW11001-130	126	127	1	0.99	SPLIT
KW11001	KW11001-131	127	128	1	0.75	SPLIT
KW11001	KW11001-132	128	129	1	0.98	SPLIT
KW11001	KW11001-133	129	130	1	1	SPLIT
KW11001	KW11001-134	130	131	1		SPLIT
KW11001	KW11001-135	131	132	1	0.93	SPLIT
KW11001	KW11001-136	132	133	1	1	SPLIT
KW11001	KW11001-137	133	134	1	0.87	SPLIT
KW11001	KW11001-138	134	135	1	0.92	SPLIT
KW11001	KW11001-139	135	136	1	0.89	SPLIT
KW11001	KW11001-140	136	137.16	1.16	0.7	SPLIT
KW11001	KW11001-141	137.16	138	0.84	0.82	SPLIT
KW11001	KW11001-142	138	139	1	0.99	SPLIT
KW11001	KW11001-143	139	140.2	1.2	0.9	SPLIT
KW11001	KW11001-144	140.2	141	0.8	0.43	SPLIT
KW11001	KW11001-145	141	142	1	0.61	SPLIT
KW11001	KW11001-146	142	143	1	0.92	SPLIT
KW11001	KW11001-147	143	144	1	1	SPLIT
KW11001	KW11001-148	144	145	1	0.98	SPLIT
KW11001	KW11001-149	145	145.7	0.7	0.63	SPLIT
KW11001	KW11001-150	145.7	146.3	0.6	0.24	SPLIT
KW11001	KW11001-151	146.3	147	0.7	0.7	SPLIT
KW11001	KW11001-152	147	148	1	0.8	SPLIT
KW11001	KW11001-153	148	149	1	0.67	SPLIT
KW11001	KW11001-154	149	149.35	0.35	0.31	SPLIT
KW11001	KW11001-155	149.35	150	0.65	0.63	SPLIT
KW11001	KW11001-156	150	151	1	0.95	SPLIT
KW11001	KW11001-157	151	152	1	0.85	SPLIT
KW11001	KW11001-158	152	153	1	0.86	SPLIT
KW11001	KW11001-159	153	154	1	0.93	SPLIT
KW11001	KW11001-160	154	155	1	0.99	SPLIT
KW11001	KW11001-161	155	156	1	0.93	SPLIT
KW11001	KW11001-162	156	157	1	0.94	SPLIT
KW11001	KW11001-163	157	158	1	0.94	SPLIT
KW11001	KW11001-164	158	159	1	0.89	SPLIT
KW11001	KW11001-165	159	160	1	0.85	SPLIT
KW11001	KW11001-166	160	161	1	0.77	SPLIT
KW11001	KW11001-167	161	162	1	0.95	SPLIT
KW11001	KW11001-168	162	163	1	0.69	SPLIT
KW11001	KW11001-169	163	164	1	0.97	SPLIT
KW11001	KW11001-170	164	165	1	0.83	SPLIT
KW11001	KW11001-171	165	166	1	0.98	SPLIT
KW11001	KW11001-172	166	167	1	0.99	SPLIT
KW11001	KW11001-173	167	168	1	0.88	SPLIT
KW11001	KW11001-174	168	169	1	0.94	SPLIT
KW11001	KW11001-175	169	170	1	0.88	SPLIT
KW11001	KW11001-176	170	171	1	0.98	SPLIT
KW11001	KW11001-177	171	172	1	0.91	SPLIT
KW11001	KW11001-178	172	173	1	0.88	SPLIT
KW11001	KW11001-179	173	173.38	0.38	0.27	SPLIT
KW11001	KW11001-180	173.38	174	0.62	0.223	SPLIT
KW11001	KW11001-181	174	175	1	0.81	SPLIT
KW11001	KW11001-182	175	176	1	0.5	SPLIT
KW11001	KW11001-183	176	177	1	0.78	SPLIT
KW11001	KW11001-184	177	178	1	0.54	SPLIT
KW11001	KW11001-185	178	179	1	0.7	SPLIT
KW11001	KW11001-186	179	180	1	0.93	SPLIT

Appendix 4.3 - Sample Log

KW11001	KW11001-187	180	181	1	0.6	SPLIT
KW11001	KW11001-188	181	182	1	0.9	SPLIT
KW11001	KW11001-189	182	183	1	0.71	SPLIT
KW11001	KW11001-190	183	184	1	0.98	SPLIT
KW11001	KW11001-191	184	185	1	1	SPLIT
KW11001	KW11001-192	185	186	1	0.88	SPLIT
KW11001	KW11001-193	186	187	1	0.9	SPLIT
KW11001	KW11001-194	187	188	1	0.94	SPLIT
KW11001	KW11001-195	188	189.15	1.15	0.49	SPLIT
KW11001	KW11001-196	189.15	189.86	0.71	0.622	SPLIT
KW11001	KW11001-197	189.86	191	1.14	1.06	SPLIT
KW11001	KW11001-198	191	192.27	1.27	0.66	SPLIT
KW11001	KW11001-199	192.27	193	0.73	0.5	SPLIT
KW11001	KW11001-200	193	194	1	0.73	SPLIT
KW11001	KW11001-201	194	195	1	0.88	SPLIT
KW11001	KW11001-202	195	196	1	0.92	SPLIT
KW11001	KW11001-203	196	197	1	0.91	SPLIT
KW11001	KW11001-204	197	198	1	0.93	SPLIT
KW11001	KW11001-205	198	199	1	0.78	SPLIT
KW11001	KW11001-206	199	200	1	1	SPLIT
KW11001	KW11001-207	200	201	1	0.92	SPLIT
KW11001	KW11001-208	201	202	1	0.95	SPLIT
KW11001	KW11001-209	202	203	1	2.88	SPLIT
KW11001	KW11001-210	203	204	1	0.8	SPLIT
KW11001	KW11001-211	204	205	1	0.71	SPLIT
KW11001	KW11001-212	205	206	1	0.31	SPLIT
KW11001	KW11001-213	206	207	1	0.46	SPLIT
KW11001	KW11001-214	207	208	1	0.45	SPLIT
KW11001	KW11001-215	208	209	1	0.3	SPLIT
KW11001	KW11001-216	209	210	1	0.11	SPLIT
KW11001	KW11001-217	210	211	1	0.64	SPLIT
KW11001	KW11001-218	211	212	1	0.87	SPLIT
KW11001	KW11001-219	212	213	1	0.92	SPLIT
KW11001	KW11001-220	213	214	1	0.74	SPLIT
KW11001	KW11001-221	214	215	1	1	SPLIT
KW11001	KW11001-222	215	216	1	0.74	SPLIT
KW11001	KW11001-223	216	216.94	0.94	0.72	SPLIT
KW11001	KW11001-224	216.94	217.75	0.81	0.72	SPLIT
KW11001	KW11001-225	217.75	218.75	1	0.89	SPLIT
KW11001	KW11001-226	218.75	220	1.25	1.13	SPLIT
KW11001	KW11001-227	220	221	1	0.89	SPLIT
KW11001	KW11001-228	221	222	1	0.95	SPLIT
KW11001	KW11001-229	222	223	1	0.98	SPLIT
KW11001	KW11001-230	223	224	1	0.63	SPLIT
KW11001	KW11001-231	224	225	1	2.89	SPLIT
KW11001	KW11001-232	225	225.47	0.47	0.46	SPLIT
KW11001	KW11001-233	225.47	226.3	0.83	0.81	SPLIT
KW11001	KW11001-234	226.3	227.08	0.78	0.77	SPLIT
KW11001	KW11001-235	227.08	228	0.92	0.92	SPLIT
KW11001	KW11001-236	228	228.9	0.9	0.62	SPLIT
KW11001	KW11001-237	228.9	229.9	1	0.86	SPLIT
KW11001	KW11001-238	229.9	231	1.1	1.06	SPLIT
KW11001	KW11001-239	231	232	1	1	SPLIT
KW11001	KW11001-240	232	233	1	0.69	SPLIT
KW11001	KW11001-241	233	234	1	0.98	SPLIT
KW11001	KW11001-242	234	235	1	0.96	SPLIT
KW11001	KW11001-243	235	236	1	0.93	SPLIT
KW11001	KW11001-244	236	237	1	0.9	SPLIT
KW11001	KW11001-245	237	238	1	0.58	SPLIT
KW11001	KW11001-246	238	239	1	0.87	SPLIT
KW11001	KW11001-247	239	240	1	0.82	SPLIT
KW11001	KW11001-248	240	241	1	0.87	SPLIT
KW11001	KW11001-249	241	242	1	0.8	SPLIT
KW11001	KW11001-250	242	243	1	1	SPLIT

Appendix 4.3 - Sample Log

KW11001	KW11001-251	243	244	1	0.87	SPLIT
KW11001	KW11001-252	244	245	1	0.89	SPLIT
KW11001	KW11001-253	245	246	1	0.68	SPLIT
KW11001	KW11001-254	246	247	1	0.39	SPLIT
KW11001	KW11001-255	247	248	1	0.73	SPLIT
KW11001	KW11001-256	248	249	1	0.91	SPLIT
KW11001	KW11001-257	249	250	1	0.89	SPLIT
KW11001	KW11001-258	250	251	1	0.99	SPLIT
KW11001	KW11001-259	251	252	1	0.98	SPLIT
KW11001	KW11001-260	252	253	1	0.89	SPLIT
KW11001	KW11001-261	253	254	1	0.98	SPLIT
KW11001	KW11001-262	254	255	1	0.78	SPLIT
KW11001	KW11001-263	255	256	1	0.84	SPLIT
KW11001	KW11001-264	256	257	1	0.94	SPLIT
KW11001	KW11001-265	257	258	1	0.97	SPLIT
KW11001	KW11001-266	258	259	1	1	SPLIT
KW11001	KW11001-267	259	260	1	0.99	SPLIT
KW11001	KW11001-268	260	261	1	1	SPLIT
KW11001	KW11001-269	261	262	1	0.95	SPLIT
KW11001	KW11001-270	262	263	1	0.91	SPLIT
KW11001	KW11001-271	263	264	1	1	SPLIT
KW11001	KW11001-272	264	265	1	0.79	SPLIT
KW11001	KW11001-273	265	266	1	0.84	SPLIT
KW11001	KW11001-274	266	266.8	0.8	0.61	SPLIT
KW11001	KW11001-275	266.8	268.02	1.22	1.2	SPLIT
KW11001	KW11001-276	268.02	269	0.98	0.98	SPLIT
KW11001	KW11001-277	269	270	1	1	SPLIT
KW11001	KW11001-278	270	271	1	0.91	SPLIT
KW11001	KW11001-279	271	272	1	0.98	SPLIT
KW11001	KW11001-280	272	273	1	0.96	SPLIT
KW11001	KW11001-281	273	274	1	1	SPLIT
KW11001	KW11001-282	274	275	1	1	SPLIT
KW11001	KW11001-283	275	276	1	1	SPLIT
KW11001	KW11001-284	276	277	1	0.87	SPLIT
KW11001	KW11001-285	277	278	1	0.96	SPLIT
KW11001	KW11001-286	278	279	1	0.96	SPLIT
KW11001	KW11001-287	279	280	1	0.99	SPLIT
KW11001	KW11001-288	280	281	1	1	SPLIT
KW11001	KW11001-289	281	282	1	1	SPLIT
KW11001	KW11001-290	282	283	1	0.91	SPLIT
KW11001	KW11001-291	283	284	1	0.92	SPLIT
KW11001	KW11001-292	284	285	1	1	SPLIT
KW11001	KW11001-293	285	286	1	0.94	SPLIT
KW11001	KW11001-294	286	287	1	0.77	SPLIT
KW11001	KW11001-295	287	288	1	0.97	SPLIT
KW11001	KW11001-296	288	289	1	0.8	SPLIT
KW11001	KW11001-297	289	290	1	0.91	SPLIT
KW11001	KW11001-298	290	291	1	0.97	SPLIT
KW11001	KW11001-299	291	292.1	1.1	1.06	SPLIT
KW11001	KW11001-300	292.1	293.1	1	0.97	SPLIT
KW11001	KW11001-301	293.1	294.05	0.95	0.93	SPLIT
KW11001	KW11001-302	294.05	295	0.95	0.97	SPLIT
KW11001	KW11001-303	295	296	1	1	SPLIT
KW11001	KW11001-304	296	297	1	1	SPLIT
KW11001	KW11001-305	297	298	1	0.82	SPLIT
KW11001	KW11001-306	298	299	1	0.95	SPLIT
KW11001	KW11001-307	299	300	1	1	SPLIT
KW11001	KW11001-308	300	301	1	0.83	SPLIT
KW11001	KW11001-309	301	302	1	0.93	SPLIT
KW11001	KW11001-310	302	303	1	0.94	SPLIT
KW11001	KW11001-311	303	304	1	0.89	SPLIT
KW11001	KW11001-312	304	305	1	0.93	SPLIT
KW11001	KW11001-313	305	306	1	1	SPLIT
KW11001	KW11001-314	306	307	1	0.82	SPLIT

Appendix 4.3 - Sample Log

KW11001	KW11001-315	307	308	1	0.93	SPLIT
KW11001	KW11001-316	308	309	1	0.71	SPLIT
KW11001	KW11001-317	309	310	1	0.7	SPLIT
KW11001	KW11001-318	310	311	1	0.95	SPLIT
KW11001	KW11001-319	311	312	1	0.97	SPLIT
KW11001	KW11001-320	312	313	1	0.94	SPLIT
KW11001	KW11001-321	313	314	1	0.93	SPLIT
KW11001	KW11001-322	314	315	1	0.79	SPLIT
KW11001	KW11001-323	315	316	1	0.59	SPLIT
KW11001	KW11001-324	316	317	1	0.97	SPLIT
KW11001	KW11001-325	317	318	1	1	SPLIT
KW11001	KW11001-326	318	319	1	0.98	SPLIT
KW11001	KW11001-327	319	320	1	0.97	SPLIT
KW11001	KW11001-328	320	321	1	0.88	SPLIT
KW11001	KW11001-329	321	322	1	1	SPLIT
KW11001	KW11001-330	322	323	1	0.94	SPLIT
KW11001	KW11001-331	323	324	1	1	SPLIT
KW11001	KW11001-332	324	325	1	0.95	SPLIT
KW11001	KW11001-333	325	326	1	0.96	SPLIT
KW11001	KW11001-334	326	327	1	0.87	SPLIT
KW11001	KW11001-335	327	328.3	1.3	1.3	SPLIT
KW11001	KW11001-336	328.3	329.65	1.35	0.89	SPLIT
KW11001	KW11001-337	329.65	330.55	0.9	0.44	SPLIT
KW11001	KW11001-338	330.55	331.7	1.15	1.13	SPLIT
KW11001	KW11001-339	331.7	333	1.3	1.27	SPLIT
KW11001	KW11001-340	333	334	1	1	SPLIT
KW11001	KW11001-341	334	335	1	0.95	SPLIT
KW11001	KW11001-342	335	336	1	0.94	SPLIT
KW11001	KW11001-343	336	337	1	0.98	SPLIT
KW11001	KW11001-344	337	338	1	0.96	SPLIT
KW11001	KW11001-345	338	339	1	0.91	SPLIT
KW11001	KW11001-346	339	340	1	1	SPLIT
KW11001	KW11001-347	340	341	1	0.98	SPLIT
KW11001	KW11001-348	341	342	1	1	SPLIT
KW11001	KW11001-349	342	343.45	1.45	1.44	SPLIT
KW11001	KW11001-350	343.45	344.4	0.95	0.95	SPLIT
KW11001	KW11001-351	344.4	345	0.6	0.6	SPLIT
KW11001	KW11001-352	345	346	1	0.98	SPLIT
KW11001	KW11001-353	346	347	1	1	SPLIT
KW11001	KW11001-354	347	348	1	1	SPLIT
KW11001	KW11001-355	348	349	1	0.95	SPLIT
KW11001	KW11001-356	349	350	1	0.95	SPLIT
KW11001	KW11001-357	350	350.52	0.52	0.45	SPLIT

APPENDIX V

Analytical Certificates

Eco Tech Laboratory Ltd.
10041 Dallas Drive
Kamloops, BC
V2C 6T4 Canada
Tel + 250 573 5700
Fax + 250 573 4557
Toll Free + 1 877 573 5755
www.stewartgroupglobal.com



StewartGroup
Geochemical & Assay

CERTIFICATE OF ASSAY AW 2011-8197

TerraLogic Exploration Inc.

#200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

25-Aug-11

No. of samples received: 4

Sample Type: Rock

Project: KIWI

Shipment #: KW11-002

Submitted by: M. McCuaig

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	MMKWR001	0.07	0.002
2	MMKWR002	0.28	0.008
3	MMKWR003	0.13	0.004
4	MMKWR004	0.20	0.006

QC DATA:

Repeat:

1	MMKWR001	0.07	0.002
2	MMKWR002	0.26	0.008

Resplit:

1	MMKWR001	0.05	0.001
---	----------	------	-------

Standard:

OXK69	3.53	0.103
-------	------	-------

FA/AA Finish

NM/mb/el
XLS/11

ECO TECH LABORATORY LTD.

Norman Monteith
B.C. Certified Assayer

25-Aug-11

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

ICP CERTIFICATE OF ANALYSIS AW 2011-8197

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

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

No. of samples received: 4
Sample Type: Rock
Project: KIWI
Shipment #: KW11-002
Submitted by: M. McCuaig

Values in ppm unless otherwise reported

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	MMKWR001	0.4	0.32	615	88	<1	<5	0.02	<1	1	98	4	1.68	<5	0.18	14	<2	0.02	15	1	0.01	2	60	18	1.56	10	<1	<10	<5	6	<0.01	<5	4	<5	3	2
2	MMKWR002	0.4	0.15	1170	96	<1	<5	<0.01	<1	1	642	10	1.78	<5	0.03	<2	<2	<0.01	60	2	0.01	14	40	12	1.26	35	<1	<10	<5	12	<0.01	<5	6	<5	<1	<2
3	MMKWR003	0.4	0.32	3355	116	<1	<5	0.37	<1	4	166	14	2.10	<5	0.19	14	2	0.14	225	1	0.02	4	330	21	1.04	45	2	<10	<5	34	<0.01	<5	8	<5	5	48
4	MMKWR004	0.4	0.29	965	114	<1	<5	<0.01	<1	2	340	8	2.38	<5	0.20	10	<2	0.01	35	1	0.02	6	120	18	1.83	15	<1	<10	<5	14	<0.01	<5	4	<5	2	2

QC DATA:

Repeat:

1	MMKWR001	0.4	0.32	630	90	<1	<5	0.02	<1	1	98	4	1.70	<5	0.18	14	<2	0.02	15	1	0.01	2	60	18	1.59	10	<1	<10	<5	6	<0.01	<5	4	<5	3	2
---	----------	-----	------	-----	----	----	----	------	----	---	----	---	------	----	------	----	----	------	----	---	------	---	----	----	------	----	----	-----	----	---	-------	----	---	----	---	---

Resplit:

1	MMKWR001	0.4	0.34	615	100	<1	<5	0.02	<1	1	116	4	1.69	<5	0.20	14	<2	0.02	20	1	0.01	4	60	18	1.48	10	<1	<10	<5	6	<0.01	<5	6	<5	3	2
---	----------	-----	------	-----	-----	----	----	------	----	---	-----	---	------	----	------	----	----	------	----	---	------	---	----	----	------	----	----	-----	----	---	-------	----	---	----	---	---

Standard:

Pb129a	11.6	0.85	5	64	<1	<5	0.47	56	6	12	1404	1.60	<5	0.11	4	<2	0.66	375	2	0.03	5	420	6228	0.83	15	<1	<10	<5	32	0.05	<5	20	<5	3	9964
--------	------	------	---	----	----	----	------	----	---	----	------	------	----	------	---	----	------	-----	---	------	---	-----	------	------	----	----	-----	----	----	------	----	----	----	---	------

ICP: Aqua Regia Digest / ICP- AES Finish.

NM/mb/el
dt/1_8177S
XLS/11


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



CERTIFICATE OF ASSAY AW 2011-8187

TerraLogic Exploration Inc.

29-Aug-11

#200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

No. of samples received: 168

Sample Type: Core

Project: KIWI

Shipment #: KW11-001

Submitted by: M. McCuaig

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
1	KW11001-001	<0.03	<0.001		
2	KW11001-002	<0.03	<0.001		
3	KW11001-003	<0.03	<0.001		
4	KW11001-004	<0.03	<0.001		
5	KW11001-005	<0.03	<0.001		
6	KW11001-006	<0.03	<0.001		
7	KW11001-007	<0.03	<0.001		
8	KW11001-008	<0.03	<0.001		
9	KW11001-009	<0.03	<0.001		
10	KW11001-010	<0.03	<0.001		
11	KW11001-011	<0.03	<0.001		
12	KW11001-012	<0.03	<0.001		
13	KW11001-013	<0.03	<0.001		
14	KW11001-014	<0.03	<0.001		
15	KW11001-015	<0.03	<0.001		
16	KW11001-016	<0.03	<0.001		
17	KW11001-017	<0.03	<0.001		
18	KW11001-018	<0.03	<0.001		
19	KW11001-019	<0.03	<0.001		
20	KW11001-020	<0.03	<0.001		
21	KW11001-020S	1.44	0.042		
22	KW11001-021	<0.03	<0.001		
23	KW11001-022	<0.03	<0.001		
24	KW11001-023	<0.03	<0.001		
25	KW11001-024	<0.03	<0.001		
26	KW11001-025	<0.03	<0.001		
27	KW11001-026	<0.03	<0.001		



TerraLogic Exploration Inc. AW11-8187

29-Aug-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
28	KW11001-027	<0.03	<0.001		
29	KW11001-028	<0.03	<0.001		
30	KW11001-029	<0.03	<0.001		
31	KW11001-030	<0.03	<0.001		
32	KW11001-031	<0.03	<0.001		
33	KW11001-032	<0.03	<0.001		
34	KW11001-033	<0.03	<0.001		
35	KW11001-034	<0.03	<0.001		
36	KW11001-035	<0.03	<0.001		
37	KW11001-036	<0.03	<0.001		
38	KW11001-037	<0.03	<0.001		
39	KW11001-038	<0.03	<0.001		
40	KW11001-039	<0.03	<0.001		
41	KW11001-040	<0.03	<0.001		
42	KW11001-040S	3.46	0.101	74.6	2.18
43	KW11001-040B	<0.03	<0.001		
44	KW11001-041	<0.03	<0.001		
45	KW11001-042	<0.03	<0.001		
46	KW11001-043	<0.03	<0.001		
47	KW11001-044	<0.03	<0.001		
48	KW11001-045	<0.03	<0.001		
49	KW11001-046	<0.03	<0.001		
50	KW11001-047	<0.03	<0.001		
51	KW11001-048	<0.03	<0.001		
52	KW11001-049	<0.03	<0.001		
53	KW11001-050	<0.03	<0.001		
54	KW11001-051	<0.03	<0.001		
55	KW11001-052	<0.03	<0.001		
56	KW11001-053	0.03	0.001		
57	KW11001-054	<0.03	<0.001		
58	KW11001-055	<0.03	<0.001		
59	KW11001-056	<0.03	<0.001		
60	KW11001-057	0.03	0.001		
61	KW11001-058	<0.03	<0.001		
62	KW11001-059	<0.03	<0.001		
63	KW11001-060	0.04	0.001		
64	KW11001-060S	1.40	0.041		
65	KW11001-061	0.03	0.001		
66	KW11001-062	0.03	0.001		
67	KW11001-063	<0.03	<0.001		
68	KW11001-064	<0.03	<0.001		

Eco Tech Laboratory Ltd.
10041 Dallas Drive
Kamloops, BC
V2C 6T4 Canada
Tel + 250 573 5700
Fax + 250 573 4557
Toll Free + 1 877 573 5755
www.stewartgroupglobal.com

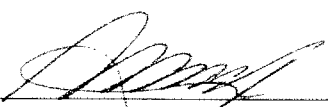


StewartGroup
Geochemical & Assay

TerraLogic Exploration Inc. AW11-8187

29-Aug-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
69	KW11001-065	<0.03	<0.001		
70	KW11001-066	0.03	0.001		
71	KW11001-067	<0.03	<0.001		
72	KW11001-068	<0.03	<0.001		
73	KW11001-069	0.03	0.001		
74	KW11001-070	0.03	0.001		
75	KW11001-071	<0.03	<0.001		
76	KW11001-072	<0.03	<0.001		
77	KW11001-073	0.03	0.001		
78	KW11001-074	0.04	0.001		
79	KW11001-075	0.03	0.001		
80	KW11001-076	<0.03	<0.001		
81	KW11001-077	0.04	0.001		
82	KW11001-078	0.03	0.001		
83	KW11001-079	<0.03	<0.001		
84	KW11001-080	<0.03	<0.001		
85	KW11001-080S	3.60	0.105	73.9	2.16
86	KW11001-080B	<0.03	<0.001		
87	KW11001-081	<0.03	<0.001		
88	KW11001-082	<0.03	<0.001		
89	KW11001-083	<0.03	<0.001		
90	KW11001-084	<0.03	<0.001		
91	KW11001-085	<0.03	<0.001		
92	KW11001-086	<0.03	<0.001		
93	KW11001-087	<0.03	<0.001		
94	KW11001-088	<0.03	<0.001		
95	KW11001-089	<0.03	<0.001		
96	KW11001-090	<0.03	<0.001		
97	KW11001-091	<0.03	<0.001		
98	KW11001-092	<0.03	<0.001		
99	KW11001-093	<0.03	<0.001		
100	KW11001-094	<0.03	<0.001		
101	KW11001-095	<0.03	<0.001		
102	KW11001-096	<0.03	<0.001		
103	KW11001-097	<0.03	<0.001		
104	KW11001-098	<0.03	<0.001		
105	KW11001-099	<0.03	<0.001		
106	KW11001-100	<0.03	<0.001		
107	KW11001-100S	1.42	0.041		
108	KW11001-101	<0.03	<0.001		
109	KW11001-102	<0.03	<0.001		


ECO TECH LABORATORY LTD.

Norman Monteith
B.C. Certified Assayer

Eco Tech Laboratory Ltd.
10041 Dallas Drive
Kamloops, BC
V2C 6T4 Canada
Tel + 250 573 5700
Fax + 250 573 4557
Toll Free + 1 877 573 5755
www.stewartgroupglobal.com



StewartGroup
Geochemical & Assay

TerraLogic Exploration Inc. AW11-8187

29-Aug-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
110	KW11001-103	<0.03	<0.001		
111	KW11001-104	0.04	0.001		
112	KW11001-105	<0.03	<0.001		
113	KW11001-106	<0.03	<0.001		
114	KW11001-107	<0.03	<0.001		
115	KW11001-108	<0.03	<0.001		
116	KW11001-109	<0.03	<0.001		
117	KW11001-110	<0.03	<0.001		
118	KW11001-111	0.08	0.002		
119	KW11001-112	<0.03	<0.001		
120	KW11001-113	<0.03	<0.001		
121	KW11001-114	<0.03	<0.001		
122	KW11001-115	<0.03	<0.001		
123	KW11001-116	0.03	0.001		
124	KW11001-117	<0.03	<0.001		
125	KW11001-118	<0.03	<0.001		
126	KW11001-119	<0.03	<0.001		
127	KW11001-120	0.03	0.001		
128	KW11001-120S	3.55	0.104	72.9	2.13
129	KW11001-120B	<0.03	<0.001		
130	KW11001-121	<0.03	<0.001		
131	KW11001-122	<0.03	<0.001		
132	KW11001-123	0.03	0.001		
133	KW11001-124	0.03	0.001		
134	KW11001-125	<0.03	<0.001		
135	KW11001-126	<0.03	<0.001		
136	KW11001-127	<0.03	<0.001		
137	KW11001-128	<0.03	<0.001		
138	KW11001-129	<0.03	<0.001		
139	KW11001-130	<0.03	<0.001		
140	KW11001-131	<0.03	<0.001		
141	KW11001-132	<0.03	<0.001		
142	KW11001-133	<0.03	<0.001		
143	KW11001-134	0.03	0.001		
144	KW11001-135	<0.03	<0.001		
145	KW11001-136	<0.03	<0.001		
146	KW11001-137	<0.03	<0.001		
147	KW11001-138	<0.03	<0.001		
148	KW11001-139	<0.03	<0.001		
149	KW11001-140	0.03	0.001		
150	KW11001-140S	1.40	0.041		



TerraLogic Exploration Inc. AW11-8187

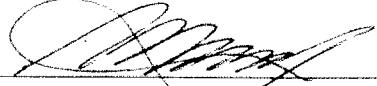
29-Aug-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
151	KW11001-141	0.03	0.001		
152	KW11001-142	<0.03	<0.001		
153	KW11001-143	0.03	0.001		
154	KW11001-144	0.03	0.001		
155	KW11001-145	<0.03	<0.001		
156	KW11001-146	0.03	0.001		
157	KW11001-147	0.03	0.001		
158	KW11001-148	<0.03	<0.001		
159	KW11001-149	0.04	0.001		
160	KW11001-150	0.03	0.001		
161	KW11001-151	0.04	0.001		
162	KW11001-152	0.03	0.001		
163	KW11001-153	<0.03	<0.001		
164	KW11001-154	<0.03	<0.001		
165	KW11001-155	<0.03	<0.001		
166	KW11001-156	<0.03	<0.001		
167	KW11001-157	<0.03	<0.001		
168	KW11001-158	0.03	0.001		

QC DATA:

Repeat:

1	KW11001-001	<0.03	<0.001
10	KW11001-010	<0.03	<0.001
19	KW11001-019	<0.03	<0.001
36	KW11001-035	<0.03	<0.001
45	KW11001-042	<0.03	<0.001
54	KW11001-051	<0.03	<0.001
71	KW11001-067	<0.03	<0.001
80	KW11001-076	<0.03	<0.001
89	KW11001-083	<0.03	<0.001
106	KW11001-100	<0.03	<0.001
115	KW11001-108	<0.03	<0.001
124	KW11001-117	<0.03	<0.001
141	KW11001-132	<0.03	<0.001
151	KW11001-141	0.03	0.001
159	KW11001-149	0.04	0.001



ECO TECH LABORATORY LTD.

Eco Tech Laboratory Ltd.
 10041 Dallas Drive
 Kamloops, BC
 V2C 6T4 Canada
 Tel + 250 573 5700
 Fax + 250 573 4557
 Toll Free + 1 877 573 5755
 www.stewartgroupglobal.com



StewartGroup
 Geochemical & Assay

TerraLogic Exploration Inc. AW11-8187

29-Aug-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
Resplit:					
1	KW11001-001	<0.03	<0.001		
36	KW11001-035	0.03	0.001		
71	KW11001-067	<0.03	<0.001		
106	KW11001-100	0.03	0.001		
141	KW11001-132	0.03	0.001		

Standard:

OXi81	1.82	0.053		
OXK69	3.52	0.103		
OXi81	1.84	0.054		
OXK69	3.55	0.104		
OXi81	1.79	0.052		
GBM908-14			307	8.95

FA/AA Finish

NM/cr/el
 XLS/11


ECO TECH LABORATORY LTD.

Norman Monteith
 B.C. Certified Assayer

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

ICP CERTIFICATE OF ANALYSIS AW 2011-8187

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

Phone: 250-573-5700

Fax : 250-573-4557

No. of samples received: 168

Sample Type: Core

Project: KIWI

Shipment #: KW11-001

Submitted by: M. McCuaig

Values in ppm unless otherwise reported

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	KW11001-001	<0.2	0.56	30	256	<1	<5	0.27	<1	15	70	40	2.84	<5	0.20	<2	10	0.52	235	3	0.03	61	350	27	0.76	5	3	<10	<5	28	<0.01	<5	36	<5	6	224
2	KW11001-002	<0.2	0.65	70	202	<1	<5	0.43	<1	19	42	44	4.06	<5	0.24	2	10	0.75	320	1	0.03	73	380	27	1.46	10	4	<10	<5	42	<0.01	<5	28	<5	7	190
3	KW11001-003	<0.2	0.56	40	278	<1	<5	0.74	2	13	58	44	2.68	<5	0.21	2	8	0.63	290	1	0.03	52	370	18	0.84	<5	3	<10	<5	68	<0.01	<5	34	<5	7	280
4	KW11001-004	<0.2	1.38	10	982	<1	<5	2.60	<1	8	46	10	3.73	<5	0.18	20	50	1.51	665	<1	0.03	8	500	33	0.07	<5	5	<10	<5	168	<0.01	<5	16	<5	12	84
5	KW11001-005	<0.2	1.09	10	360	<1	<5	2.25	<1	7	70	4	3.31	<5	0.22	26	32	1.27	730	<1	0.04	2	500	27	0.03	<5	5	<10	<5	192	<0.01	<5	14	<5	13	66
6	KW11001-006	<0.2	0.98	10	260	<1	<5	1.78	<1	6	54	4	3.22	<5	0.21	26	34	1.11	640	<1	0.04	<1	450	30	0.12	<5	4	<10	<5	132	<0.01	<5	14	<5	14	66
7	KW11001-007	<0.2	0.76	<5	208	<1	<5	2.48	<1	5	114	4	2.57	<5	0.23	30	18	0.71	550	<1	0.04	<1	440	33	<0.01	<5	3	<10	<5	128	<0.01	<5	10	<5	16	56
8	KW11001-008	<0.2	0.68	<5	186	<1	<5	2.11	<1	4	52	2	2.41	<5	0.26	32	12	0.51	540	<1	0.05	<1	440	33	0.01	<5	4	<10	<5	126	<0.01	<5	10	<5	19	62
9	KW11001-009	<0.2	0.61	<5	178	<1	<5	2.17	<1	4	128	4	2.43	<5	0.25	32	10	0.51	520	<1	0.04	<1	430	30	0.04	<5	3	<10	<5	120	<0.01	<5	10	<5	18	58
10	KW11001-010	<0.2	0.61	<5	128	<1	<5	2.59	<1	5	96	2	2.39	<5	0.26	30	10	0.52	490	<1	0.03	<1	390	27	0.24	<5	4	<10	<5	132	<0.01	<5	8	<5	17	54
11	KW11001-011	<0.2	0.57	<5	130	<1	<5	2.09	<1	4	80	2	2.31	<5	0.25	34	8	0.43	480	<1	0.04	<1	410	30	0.12	<5	5	<10	<5	128	<0.01	<5	6	<5	16	56
12	KW11001-012	<0.2	0.56	<5	234	1	<5	2.08	<1	4	112	2	2.21	<5	0.25	34	6	0.38	495	<1	0.04	<1	400	30	0.02	<5	5	<10	<5	138	<0.01	<5	8	<5	16	54
13	KW11001-013	<0.2	0.62	<5	238	<1	<5	2.03	<1	4	160	4	2.31	<5	0.23	34	16	0.43	475	<1	0.04	1	400	30	0.02	<5	5	<10	<5	140	<0.01	<5	8	<5	15	54
14	KW11001-014	<0.2	0.62	<5	248	<1	<5	1.89	<1	4	128	2	2.35	<5	0.26	32	14	0.60	500	<1	0.04	<1	400	30	0.08	<5	5	<10	<5	124	<0.01	<5	8	<5	14	54
15	KW11001-015	<0.2	0.56	10	524	<1	<5	1.86	<1	4	182	4	2.43	<5	0.25	32	14	0.46	480	<1	0.04	2	410	30	0.39	<5	3	<10	<5	126	<0.01	<5	6	<5	13	56
16	KW11001-016	<0.2	0.57	<5	114	<1	<5	2.73	<1	4	142	4	2.43	<5	0.26	32	14	0.59	515	<1	0.04	<1	390	30	0.29	<5	3	<10	<5	148	<0.01	<5	6	<5	14	60
17	KW11001-017	<0.2	0.59	<5	116	1	<5	1.89	<1	5	162	4	2.48	<5	0.26	34	12	0.44	480	<1	0.04	3	410	30	0.16	<5	4	<10	<5	122	<0.01	<5	8	<5	15	60
18	KW11001-018	<0.2	0.56	<5	206	<1	<5	2.41	<1	4	102	2	2.37	<5	0.25	30	12	0.73	520	<1	0.04	<1	390	30	0.20	<5	4	<10	<5	164	<0.01	<5	6	<5	14	54
19	KW11001-019	<0.2	0.61	<5	108	<1	<5	2.27	<1	4	176	4	2.37	<5	0.24	32	16	0.52	500	<1	0.04	2	400	30	0.08	<5	5	<10	<5	148	<0.01	<5	8	<5	15	58
20	KW11001-020	<0.2	0.54	<5	136	<1	<5	2.40	<1	4	114	2	2.33	<5	0.23	32	8	0.45	535	<1	0.04	<1	400	30	0.12	<5	5	<10	<5	160	<0.01	<5	10	<5	15	56
21	KW11001-020S	31.2	0.37	20	232	<1	<5	1.16	<1	8	28	3088	2.54	<5	0.17	8	2	0.14	395	400	0.05	19	370	60	1.00	65	<1	<10	<5	226	<0.01	<5	16	<5	4	54
22	KW11001-021	<0.2	0.87	<5	126	<1	<5	1.91	<1	4	150	4	2.51	<5	0.22	30	30	0.69	475	<1	0.03	3	400	30	0.07	<5	4	<10	<5	130	<0.01	<5	8	<5	13	58
23	KW11001-022	<0.2	0.64	15	282	1	<5	0.75	<1	17	44	36	4.30	<5	0.30	12	10	1.02	400	<1	0.03	54	400	18	0.66	<5	5	<10	<5	74	<0.01	<5	28	<5	7	180
24	KW11001-023	<0.2	0.57	25	222	1	<5	0.53	<1	18	62	40	3.74	<5	0.27	10	10	0.77	335	2	0.03	66	420	21	0.80	5	5	<10	<5	60	<0.01	<5	30	<5	7	186
25	KW11001-024	<0.2	0.70	15	282	1	<5	0.32	<1	19	36	38	4.15	<5	0.28	10	14	0.79	370	<1	0.03	63	430	21	0.67	<5	5	<10	<5	46	<0.01	<5	30	<5	7	178
26	KW11001-025	<0.2	0.66	25	178	1	<5	0.50	<1	18	48	36	4.17	<5	0.24	12	16	0.81	385	<1	0.03	70	390	21	0.81	5	5	<10	<5	52	<0.01	<5	28	<5	6	154
27	KW11001-026	1.6	0.73	35	236	1	<5	1.16	<1	16	54	40	3.79	<5	0.27	12	14	0.96	400	3	0.03	68	400	24	0.99	10	4	<10	<5	102	<0.01	<5	32	<5	7	196
28	KW11001-027	<0.2	0.63	25	122	<1	<5	2.17	<1	4	156	6	2.47	<5	0.23	28	14	1.01	575	<1	0.02	4	380	30	0.65	<5	3	<10	<5	140	<0.01	<5	6	<5	13	52
29	KW11001-028	<0.2	1.30	10	82	<1	<5	1.11	<1	5	120	2	2.66	<5	0.21	28	54	0.66	460	<1	0.02	1	400	33	0.50	<5	3	<10	<5	54	<0.01	<5	8	<5	13	60
30	KW11001-029	<0.2	1.28	<5	94	<1	<5	1.37	<1	4	126	2	2.58	<5	0.21	32	56	0.76	560	<1	0.02	2	400	30	0.13	<5	4	<10	<5	86	<0.01	<5	8	<5	14	56

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	KW11001-030	<0.2	1.22	<5	90	<1	<5	0.89	<1	5	120	2	2.55	<5	0.24	30	50	0.56	460	<1	0.02	2	400	33	0.25	<5	5	<10	<5	42	<0.01	<5	8	<5	13	72
32	KW11001-031	<0.2	1.44	<5	112	<1	<5	0.78	<1	5	184	4	3.00	<5	0.22	28	64	0.61	500	<1	0.02	6	390	36	0.06	<5	5	<10	<5	40	<0.01	<5	10	<5	13	82
33	KW11001-032	<0.2	1.37	25	296	1	<5	1.06	<1	13	80	20	3.87	<5	0.23	14	78	0.77	625	<1	0.03	29	510	27	0.46	10	7	<10	<5	68	<0.01	<5	28	<5	11	126
34	KW11001-033	<0.2	1.17	45	202	1	<5	0.56	<1	18	60	34	3.40	<5	0.26	10	48	0.54	390	<1	0.03	54	390	21	0.84	20	5	<10	<5	42	<0.01	<5	26	<5	7	172
35	KW11001-034	<0.2	1.03	30	186	1	<5	0.66	<1	18	48	38	2.99	<5	0.24	4	30	0.57	370	<1	0.03	63	370	18	0.82	20	5	<10	<5	58	<0.01	<5	32	<5	7	170
36	KW11001-035	<0.2	1.20	10	188	<1	<5	1.77	<1	8	90	8	2.77	<5	0.24	16	40	0.67	435	<1	0.02	6	430	27	0.41	5	5	<10	<5	106	<0.01	<5	16	<5	10	62
37	KW11001-036	<0.2	1.42	<5	92	<1	<5	4.43	<1	6	110	2	2.76	<5	0.22	18	44	0.79	725	<1	0.02	1	450	24	<0.01	<5	4	<10	<5	236	<0.01	<5	20	<5	12	52
38	KW11001-037	<0.2	1.29	<5	146	<1	<5	3.94	<1	7	160	4	2.64	<5	0.22	16	38	0.80	770	<1	0.02	3	480	21	<0.01	<5	4	<10	<5	192	<0.01	<5	20	<5	11	52
39	KW11001-038	<0.2	1.01	<5	150	<1	<5	9.60	<1	4	110	<2	2.21	<5	0.21	10	28	0.71	1085	<1	0.02	<1	340	18	0.03	<5	3	<10	<5	546	<0.01	<5	12	<5	14	36
40	KW11001-039	<0.2	1.13	10	78	<1	<5	2.60	<1	4	148	4	2.29	<5	0.24	24	32	0.37	580	<1	0.02	2	400	33	0.14	<5	2	<10	<5	142	<0.01	<5	6	<5	12	52
41	KW11001-040	<0.2	1.11	5	182	<1	<5	1.76	<1	5	126	4	2.16	<5	0.24	26	38	0.30	390	<1	0.02	<1	410	30	0.23	<5	2	<10	<5	100	<0.01	<5	6	<5	11	52
42	KW11001-040S	>50	1.22	85	80	<1	<5	1.87	<1	11	16	776	3.20	<5	0.16	4	8	0.88	765	785	0.06	9	650	48	0.19	45	2	<10	<5	98	0.11	<5	32	<5	4	96
43	KW11001-040B	<0.2	0.51	<5	172	<1	<5	0.11	<1	4	10	<2	1.41	<5	0.35	10	14	0.21	335	<1	0.11	<1	170	6	<0.01	<5	4	<10	<5	10	0.10	<5	16	<5	11	16
44	KW11001-041	<0.2	1.12	5	338	<1	<5	1.00	<1	6	92	4	2.25	<5	0.26	24	30	0.30	265	<1	0.02	<1	400	36	0.40	<5	2	<10	<5	64	<0.01	<5	6	<5	10	56
45	KW11001-042	<0.2	1.09	10	322	<1	<5	0.26	<1	5	118	4	2.15	<5	0.27	26	40	0.30	180	<1	0.02	1	410	33	0.41	<5	2	<10	<5	24	<0.01	<5	6	<5	10	54
46	KW11001-043	<0.2	1.15	5	592	<1	<5	1.02	<1	4	114	4	2.33	<5	0.27	24	28	0.61	515	<1	0.02	<1	410	30	0.11	<5	3	<10	<5	44	<0.01	<5	6	<5	10	52
47	KW11001-044	<0.2	1.20	<5	326	<1	<5	0.27	<1	4	144	2	2.21	<5	0.27	24	30	0.36	260	<1	0.02	<1	400	30	0.03	<5	2	<10	<5	24	<0.01	<5	8	<5	10	46
48	KW11001-045	<0.2	1.38	<5	144	<1	<5	0.17	<1	6	138	4	2.89	<5	0.24	22	42	0.39	285	<1	0.02	2	410	33	0.08	<5	4	<10	<5	22	<0.01	<5	10	<5	10	68
49	KW11001-046	<0.2	0.99	<5	94	<1	<5	0.39	<1	4	140	4	2.63	<5	0.26	26	30	0.40	485	<1	0.02	<1	350	30	0.05	<5	3	<10	<5	36	<0.01	<5	8	<5	10	60
50	KW11001-047	<0.2	0.49	20	98	<1	<5	0.81	<1	6	172	4	2.59	<5	0.25	18	8	0.34	440	<1	0.02	4	620	27	1.48	10	3	<10	<5	52	<0.01	<5	6	<5	9	52
51	KW11001-048	<0.2	0.48	65	48	<1	<5	0.44	<1	6	160	6	6.15	<5	0.27	16	8	0.23	300	<1	0.03	2	290	42	4.64	15	3	<10	<5	44	<0.01	<5	6	5	7	72
52	KW11001-049	<0.2	0.51	25	128	<1	<5	0.38	<1	5	170	4	2.27	<5	0.26	20	8	0.27	285	<1	0.02	2	400	27	0.68	<5	3	<10	<5	56	<0.01	<5	8	<5	8	60
53	KW11001-050	<0.2	0.58	10	106	<1	<5	0.47	<1	4	136	<2	2.26	<5	0.27	24	10	0.37	335	<1	0.02	<1	410	30	0.13	<5	3	<10	<5	56	<0.01	<5	8	<5	9	56
54	KW11001-051	<0.2	0.61	10	116	<1	<5	0.47	<1	4	184	4	2.13	<5	0.26	26	10	0.32	335	<1	0.02	2	370	30	0.33	<5	3	<10	<5	58	<0.01	<5	8	<5	9	60
55	KW11001-052	<0.2	0.60	10	336	<1	<5	0.80	<1	4	156	4	2.40	<5	0.28	18	12	0.50	390	<1	0.02	2	450	30	0.35	<5	4	<10	<5	78	<0.01	<5	8	<5	9	56
56	KW11001-053	0.4	0.63	80	88	<1	<5	2.24	1	15	66	36	3.89	<5	0.20	2	12	0.97	495	1	0.03	78	310	27	2.45	45	6	<10	<5	154	<0.01	<5	40	<5	8	256
57	KW11001-054	<0.2	0.61	100	138	<1	<5	1.45	<1	17	66	34	3.53	<5	0.21	4	10	0.78	375	<1	0.03	62	310	21	2.01	30	7	<10	<5	188	<0.01	<5	30	<5	7	174
58	KW11001-055	<0.2	0.65	65	214	1	<5	1.10	<1	15	48	34	3.34	<5	0.24	4	12	0.72	380	<1	0.03	56	370	21	1.12	20	7	<10	<5	190	<0.01	<5	38	<5	7	188
59	KW11001-056	<0.2	0.68	60	164	1	<5	0.75	<1	16	42	44	3.48	<5	0.20	2	20	0.61	255	2	0.02	64	380	21	1.40	20	6	<10	<5	140	<0.01	<5	42	<5	6	182
60	KW11001-057	<0.2	0.81	60	176	<1	<5	0.92	<1	15	48	38	3.04	<5	0.21	2	18	0.65	215	3	0.02	62	360	21	1.30	20	7	<10	<5	132	<0.01	<5	46	<5	6	236
61	KW11001-058	<0.2	1.20	40	232	<1	<5	0.54	1	17	42	38	3.57	<5	0.22	2	26	0.73	230	2	0.03	65	370	21	1.05	20	6	<10	<5	84	<0.01	<5	54	<5	5	262
62	KW11001-059	<0.2	1.08	105	138	1	<5	0.48	<1	16	60	36	3.35	<5	0.17	2	36	0.56	170	3	0.02	65	370	24	1.72	25	5	<10	<5	86	<0.01	<5	46	<5	5	220
63	KW11001-060	0.2	0.72	545	56	<1	<5	0.19	<1	15	68	46	2.69	<5	0.19	<2	28	0.16	15	1	0.03	58	450	21	2.32	30	3	<10	<5	108	<0.01	<5	24	<5	5	194
64	KW11001-060S	31.0	0.37	25	244	<1	<5	1.23	<1	8	32	3056	2.61	<5	0.16	8	2	0.14	390	396	0.05	19	360	57	0.99	65	<1	<10	<5	226	<0.01	<5	16	<5	4	52
65	KW11001-061	0.4	0.75	550	46	<1	<5	0.15	<1	16	90	38	2.78	<5	0.19	<2	20	0.14	5	2	0.03	66	510	21	2.42	30	3	<10	<5	148	<0.01	<5	32	<5	5	306
66	KW11001-062	3.4	0.83	590	78	<1	<5	0.27	2	13	72	36	2.63	<5	0.16	<2	30	0.16	<5	6	0.03	70	620	21	2.50	35	2	<10	<5	152	<0.01	<5	40	<5	7	408
67	KW11001-063	0.8	0.77	145	42	<1	<5	0.18	2	15	80	34	3.38	<5	0.20	<2	24	0.13	<5	3	0.03	87	810	21	3.01	40	3	<10	<5	144	<0.01	<5	32	<5	8	336
68	KW11001-064	1.4	0.49	100	180	<1	<5	0.24	23	8	204	60	1.82	<5	0.17	<2	10	0.07	25	24	0.02	129	1180	21	1.66	40	1	40	<5	162	<0.01	<5	98	<5	11	1364
69	KW11001-065	1.6	0.45	55	226	<1	<5	0.19	10	6	580	38	1.66	<5	0.12	2	10	0.10	65	20	0.02	95	800	12	1.06	35	1	10	<5	120	<0.01	<5	120	<5	9	752
70	KW11001-066	1.2	0.44	45	146	<1	<5	0.73	3	8	384	38	1.91	<5	0.08	2	14	0.33																		

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
76	KW11001-072	<0.2	0.58	30	430	<1	<5	0.15	<1	11	104	44	2.50	<5	0.27	10	6	0.46	220	<1	0.02	36	600	27	0.42	30	4	<10	<5	112	<0.01	<5	28	<5	8	106
77	KW11001-073	1.0	0.45	80	56	<1	<5	0.11	<1	15	102	46	6.18	<5	0.25	6	2	0.28	120	<1	0.03	61	390	27	4.24	40	2	<10	<5	62	<0.01	<5	18	5	6	92
78	KW11001-074	1.2	0.42	95	22	<1	<5	0.51	<1	13	94	54	>10	<5	0.24	2	<2	0.39	195	<1	0.04	75	390	36	7.66	60	2	<10	<5	72	<0.01	<5	14	10	6	114
79	KW11001-075	0.6	0.46	45	94	<1	<5	0.31	<1	12	94	46	4.76	<5	0.24	4	4	0.53	230	<1	0.03	49	510	21	2.69	55	3	<10	<5	78	<0.01	<5	24	5	7	104
80	KW11001-076	0.2	0.47	20	214	<1	<5	0.13	<1	11	120	44	3.89	<5	0.22	6	4	0.54	215	<1	0.02	44	550	21	1.48	30	3	<10	<5	84	<0.01	<5	30	<5	7	100
81	KW11001-077	<0.2	0.48	15	290	<1	<5	0.14	<1	10	104	48	3.77	<5	0.22	8	6	0.61	280	<1	0.02	33	510	15	0.88	15	4	<10	<5	82	<0.01	<5	36	<5	7	110
82	KW11001-078	0.2	0.62	20	304	<1	<5	0.17	<1	14	158	54	4.30	<5	0.27	4	8	0.70	330	<1	0.03	47	740	24	1.15	30	4	<10	<5	126	<0.01	<5	38	<5	9	142
83	KW11001-079	0.2	0.51	15	394	<1	<5	0.12	<1	12	150	50	2.87	<5	0.24	10	6	0.56	235	<1	0.02	40	510	18	0.48	25	3	<10	<5	102	<0.01	<5	32	<5	7	274
84	KW11001-080	<0.2	0.54	20	284	<1	<5	0.13	<1	10	130	44	2.87	<5	0.26	16	6	0.45	175	<1	0.02	35	490	15	0.64	15	4	<10	<5	112	<0.01	<5	32	<5	6	122
85	KW11001-080S	>50	1.20	90	84	<1	<5	1.86	<1	12	18	762	3.31	<5	0.17	4	8	0.91	795	776	0.06	8	660	45	0.21	45	2	<10	<5	100	0.11	<5	32	<5	4	90
86	KW11001-080B	<0.2	0.50	<5	166	<1	<5	0.11	<1	4	8	<2	1.31	<5	0.35	10	14	0.20	320	<1	0.11	<1	170	6	<0.01	<5	4	<10	<5	10	0.09	<5	16	<5	11	16
87	KW11001-081	<0.2	0.54	20	294	1	<5	0.12	<1	11	78	46	2.60	<5	0.27	26	6	0.46	180	<1	0.02	34	490	18	0.40	15	4	<10	<5	140	<0.01	<5	30	<5	6	114
88	KW11001-082	<0.2	0.54	25	324	1	<5	0.12	<1	13	72	56	2.68	<5	0.27	26	6	0.56	220	<1	0.02	45	470	24	0.32	20	4	<10	<5	136	<0.01	<5	30	<5	7	144
89	KW11001-083	<0.2	0.54	30	330	<1	<5	0.27	<1	12	52	54	2.62	<5	0.28	26	6	0.55	215	<1	0.02	40	560	18	0.42	10	4	<10	<5	140	<0.01	<5	32	<5	7	144
90	KW11001-084	<0.2	0.68	35	260	1	<5	0.12	<1	11	56	46	2.96	<5	0.33	20	8	0.53	190	1	0.02	37	480	18	0.81	10	4	<10	<5	124	<0.01	<5	38	<5	6	128
91	KW11001-085	<0.2	0.55	25	254	1	<5	0.13	<1	11	70	50	2.68	<5	0.28	22	6	0.50	175	3	0.02	34	520	24	0.71	10	4	<10	<5	132	<0.01	<5	30	<5	7	108
92	KW11001-086	<0.2	0.52	20	156	1	<5	0.14	<1	13	64	54	2.89	<5	0.28	26	6	0.36	135	<1	0.02	47	560	24	1.25	20	3	<10	<5	90	<0.01	<5	30	<5	7	226
93	KW11001-087	<0.2	0.71	25	176	1	<5	0.17	<1	11	78	46	4.99	<5	0.27	24	16	0.86	480	<1	0.03	43	540	18	1.31	10	4	<10	<5	64	<0.01	<5	38	5	8	98
94	KW11001-088	0.2	0.97	15	154	1	<5	0.16	<1	12	54	50	3.57	<5	0.28	24	26	0.60	225	2	0.02	45	640	24	1.10	15	4	<10	<5	64	<0.01	<5	30	<5	7	142
95	KW11001-089	<0.2	1.06	15	140	<1	<5	0.15	<1	14	78	52	3.81	<5	0.25	18	32	0.63	225	2	0.02	61	660	27	1.31	15	4	<10	<5	58	<0.01	<5	34	<5	9	106
96	KW11001-090	<0.2	1.22	15	312	1	<5	0.14	<1	12	82	38	3.11	<5	0.29	32	34	0.71	275	<1	0.02	34	620	27	0.33	<5	4	<10	<5	92	<0.01	<5	38	<5	8	112
97	KW11001-091	<0.2	1.34	20	134	1	<5	0.15	<1	14	62	50	4.51	<5	0.34	26	36	0.68	245	<1	0.03	59	660	27	1.72	15	4	<10	<5	92	<0.01	<5	36	5	7	130
98	KW11001-092	<0.2	1.28	20	204	1	<5	0.15	<1	13	52	54	3.24	<5	0.34	38	36	0.75	250	<1	0.02	41	590	27	0.26	5	5	<10	<5	86	<0.01	<5	34	<5	8	148
99	KW11001-093	<0.2	0.83	20	234	1	<5	0.19	<1	12	58	46	3.18	<5	0.29	28	16	0.70	250	<1	0.02	38	590	27	0.37	15	4	<10	<5	58	<0.01	<5	32	<5	8	162
100	KW11001-094	<0.2	0.97	20	196	1	<5	0.18	<1	12	50	42	3.01	<5	0.28	34	22	0.71	250	<1	0.02	37	610	27	0.23	<5	4	<10	<5	40	<0.01	<5	34	<5	8	120
101	KW11001-095	<0.2	0.97	20	222	1	<5	0.20	<1	12	34	44	3.73	<5	0.29	38	24	0.76	310	<1	0.02	39	670	24	0.22	<5	5	<10	<5	54	<0.01	<5	34	<5	10	94
102	KW11001-096	<0.2	1.29	25	302	1	<5	0.18	<1	11	44	42	3.45	<5	0.30	38	40	0.76	270	<1	0.02	33	670	24	0.12	<5	5	<10	<5	50	<0.01	<5	32	<5	9	92
103	KW11001-097	<0.2	1.22	25	214	2	<5	0.19	<1	12	38	48	3.78	<5	0.31	36	34	0.86	350	<1	0.02	39	620	21	0.14	<5	5	<10	<5	76	<0.01	<5	36	<5	7	98
104	KW11001-098	<0.2	1.43	25	190	1	<5	0.17	<1	14	54	54	3.77	<5	0.28	34	44	0.85	270	<1	0.02	44	670	27	0.51	5	5	<10	<5	60	<0.01	<5	38	<5	7	120
105	KW11001-099	<0.2	1.24	20	186	1	<5	0.26	<1	12	56	46	3.29	<5	0.27	32	36	0.80	225	<1	0.02	41	630	24	0.53	10	4	<10	<5	50	<0.01	<5	38	<5	8	118
106	KW11001-100	<0.2	0.88	15	176	1	<5	0.25	<1	13	46	46	2.72	<5	0.26	32	20	0.60	225	<1	0.02	34	620	27	0.47	10	4	<10	<5	56	<0.01	<5	36	<5	7	150
107	KW11001-100S	30.8	0.37	25	246	<1	<5	1.09	<1	8	30	3100	2.63	<5	0.17	8	2	0.14	385	394	0.05	18	370	60	1.06	60	<1	<10	<5	230	<0.01	<5	16	<5	3	56
108	KW11001-101	<0.2	0.69	40	182	1	<5	0.19	<1	14	60	52	3.61	<5	0.25	38	12	0.70	335	<1	0.02	37	550	24	0.45	10	4	<10	<5	66	<0.01	<5	28	<5	7	102
109	KW11001-102	<0.2	0.68	25	244	1	<5	0.18	<1	13	50	52	3.53	<5	0.29	30	8	0.56	275	<1	0.02	39	600	30	0.94	15	4	<10	<5	98	<0.01	<5	30	<5	8	106
110	KW11001-103	<0.2	0.48	95	354	<1	<5	0.32	<1	13	66	48	2.76	<5	0.24	30	4	0.53	295	<1	0.02	37	560	18	0.90	15	3	<10	<5	156	<0.01	<5	20	<5	7	98
111	KW11001-104	0.4	0.48	160	194	<1	<5	0.46	<1	13	110	46	3.16	<5	0.24	24	4	0.49	320	<1	0.02	42	520	24	1.65	20	3	<10	<5	160	<0.01	<5	20	<5	6	100
112	KW11001-105	<0.2	0.24	110	248	<1	<5	0.46	<1	5	286	22	1.77	<5	0.12	10	<2	0.32	230	<1	0.02	24	250	18	0.92	20	1	<10	<5	98	<0.01	<5	12	<5	3	44
113	KW11001-106	<0.2	0.28	55	258	<1	<5	0.56	<1	6	232	20	1.83	<5	0.14	10	<2	0.36	275	<1	0.02	22	390	9	1.01	15	2	<10	<5	106	<0.01	<5	12	<5	4	30
114	KW11001-107	<0.2	0.33	55	128	<1	<5	0.19	<1	8	258	26	3.02	<5	0.16	12	2	0.24	180	<1	0.02	30	330	15	1.93	30	2	<10	<5	62	<0.01	<5	14	<5	4	52
115	KW11001-108	<0.2	0.40	45	196	<1	<5	0.16	<1	10	184	38	2.54	<5	0.20	20																				

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
121	KW11001-114	0.4	0.40	30	78	<1	<5	0.19	<1	11	226	38	5.41	<5	0.17	14	6	0.49	290	<1	0.03	51	620	24	2.98	30	3	<10	<5	104	<0.01	<5	22	5	6	58
122	KW11001-115	0.4	0.48	50	84	<1	<5	0.38	<1	15	130	44	4.37	<5	0.22	18	4	0.47	250	<1	0.03	63	610	27	2.72	50	3	<10	<5	140	<0.01	<5	24	<5	7	96
123	KW11001-116	0.4	0.71	25	256	2	<5	0.38	1	15	54	64	2.77	<5	0.35	26	4	0.44	265	5	0.02	61	690	21	1.30	50	4	<10	<5	130	<0.01	<5	44	<5	8	226
124	KW11001-117	0.4	0.52	35	188	1	<5	0.29	<1	10	68	54	2.62	<5	0.28	24	4	0.39	205	<1	0.02	40	530	21	1.34	35	3	<10	<5	84	<0.01	<5	30	<5	7	158
125	KW11001-118	<0.2	0.55	15	196	<1	<5	0.18	<1	11	70	54	3.03	<5	0.28	26	6	0.45	190	<1	0.02	41	530	21	1.01	20	3	<10	<5	60	<0.01	<5	36	<5	7	152
126	KW11001-119	0.2	0.58	15	176	<1	<5	0.20	<1	13	68	46	3.33	<5	0.28	24	8	0.45	200	<1	0.02	44	580	21	1.14	15	3	<10	<5	50	<0.01	<5	36	<5	7	150
127	KW11001-120	0.2	0.60	10	184	1	<5	0.16	<1	14	64	50	2.59	<5	0.29	24	8	0.32	145	<1	0.02	42	580	24	0.93	20	3	<10	<5	48	<0.01	<5	32	<5	7	138
128	KW11001-120S	>50	1.26	90	82	<1	<5	1.93	<1	11	18	790	3.21	<5	0.17	4	8	0.90	765	786	0.06	8	650	42	0.21	40	2	<10	<5	102	0.12	<5	30	<5	3	88
129	KW11001-120B	<0.2	0.51	<5	172	<1	<5	0.11	<1	4	8	<2	1.34	<5	0.36	10	16	0.21	325	<1	0.11	<1	180	6	<0.01	<5	4	<10	<5	10	0.10	<5	16	<5	11	16
130	KW11001-121	0.4	0.69	25	102	1	<5	0.17	<1	15	112	60	4.19	<5	0.35	18	6	0.30	135	1	0.03	65	580	30	2.47	35	3	<10	<5	50	<0.01	<5	32	5	7	160
131	KW11001-122	0.4	0.55	20	124	1	<5	0.19	<1	13	72	56	4.24	<5	0.29	20	6	0.43	205	<1	0.02	67	570	33	2.14	35	3	<10	<5	50	<0.01	<5	30	<5	8	138
132	KW11001-123	0.2	0.57	25	198	<1	<5	0.47	<1	10	70	52	3.41	<5	0.28	20	6	0.62	350	1	0.02	46	770	21	1.27	35	3	<10	<5	90	<0.01	<5	34	<5	8	136
133	KW11001-124	0.4	0.81	30	98	1	<5	0.35	<1	14	60	72	4.68	<5	0.36	18	8	0.40	205	5	0.03	70	1190	30	2.77	60	4	<10	<5	82	<0.01	<5	58	5	12	182
134	KW11001-125	0.2	0.72	60	194	1	<5	0.48	<1	14	56	60	3.07	<5	0.34	26	6	0.47	235	4	0.02	49	1050	21	1.29	35	4	<10	<5	86	<0.01	<5	44	<5	11	176
135	KW11001-126	<0.2	0.59	50	136	1	<5	0.45	<1	11	58	54	3.40	<5	0.28	24	8	0.47	245	2	0.02	39	570	24	1.73	35	3	<10	<5	48	<0.01	<5	26	<5	8	168
136	KW11001-127	0.6	0.71	25	130	1	<5	0.40	<1	14	74	52	3.67	<5	0.30	26	10	0.48	240	2	0.02	52	590	30	1.85	50	3	<10	<5	54	<0.01	<5	32	<5	8	202
137	KW11001-128	<0.2	1.08	25	146	1	<5	0.24	<1	13	58	54	3.43	<5	0.29	28	26	0.51	180	<1	0.02	44	610	36	1.21	35	4	<10	<5	36	<0.01	<5	34	<5	8	160
138	KW11001-129	0.2	0.86	65	162	1	<5	0.68	<1	13	58	52	3.37	<5	0.31	26	18	0.63	310	<1	0.02	44	640	36	1.55	30	3	<10	<5	70	<0.01	<5	28	<5	8	126
139	KW11001-130	0.4	0.93	335	144	1	<5	0.46	<1	14	50	50	2.78	<5	0.30	28	18	0.49	210	1	0.02	44	570	27	1.31	20	3	<10	<5	60	<0.01	<5	22	<5	7	122
140	KW11001-131	0.4	0.75	145	158	1	<5	0.61	<1	13	80	56	2.18	<5	0.32	32	12	0.44	200	2	0.02	41	570	15	1.14	25	3	<10	<5	66	<0.01	<5	20	<5	8	122
141	KW11001-132	0.4	0.71	60	146	1	<5	0.57	<1	14	56	54	3.04	<5	0.30	26	12	0.45	220	2	0.02	45	530	24	1.64	20	3	<10	<5	60	<0.01	<5	22	<5	7	116
142	KW11001-133	<0.2	1.04	25	176	1	<5	0.91	<1	13	46	48	3.17	<5	0.31	26	24	0.74	280	<1	0.02	41	610	21	1.19	15	3	<10	<5	66	<0.01	<5	26	<5	7	150
143	KW11001-134	0.4	0.79	255	134	1	<5	1.01	<1	13	80	44	2.86	<5	0.29	22	16	0.66	320	2	0.02	49	510	24	1.78	30	3	<10	<5	78	<0.01	<5	16	<5	7	108
144	KW11001-135	0.4	0.88	75	104	1	<5	0.47	<1	13	56	52	3.25	<5	0.28	22	20	0.46	185	3	0.02	50	500	30	2.07	40	3	<10	<5	52	<0.01	<5	20	<5	6	124
145	KW11001-136	<0.2	0.98	50	108	1	<5	0.32	<1	14	64	54	3.82	<5	0.31	20	20	0.41	165	3	0.02	60	510	27	2.25	30	3	<10	<5	58	<0.01	<5	22	<5	6	118
146	KW11001-137	0.6	0.81	170	100	1	<5	1.22	<1	13	60	56	4.09	<5	0.29	12	16	0.67	385	2	0.02	59	470	39	3.04	35	3	<10	<5	174	<0.01	<5	18	<5	6	142
147	KW11001-138	0.2	1.14	70	138	1	<5	0.82	<1	13	72	54	3.24	<5	0.31	20	26	0.60	295	4	0.02	51	580	27	1.72	40	4	<10	<5	138	<0.01	<5	26	<5	7	134
148	KW11001-139	<0.2	1.10	35	148	1	<5	0.97	<1	10	56	48	3.25	<5	0.31	22	26	0.76	300	1	0.02	40	560	18	1.71	25	4	<10	<5	106	<0.01	<5	24	<5	7	128
149	KW11001-140	0.2	1.11	50	126	1	<5	0.67	<1	14	66	52	3.34	<5	0.30	22	26	0.49	200	2	0.02	46	520	27	1.88	35	4	<10	<5	100	<0.01	<5	26	<5	6	132
150	KW11001-140S	30.8	0.39	25	228	<1	<5	1.24	<1	8	32	3166	2.65	<5	0.17	8	2	0.14	385	386	0.05	19	370	60	1.00	60	<1	<10	<5	222	<0.01	<5	16	<5	3	52
151	KW11001-141	0.4	1.14	285	120	1	<5	1.01	<1	16	54	64	3.01	<5	0.27	16	30	0.68	285	3	0.02	67	940	24	1.68	60	4	<10	<5	180	<0.01	<5	26	<5	9	134
152	KW11001-142	0.6	1.46	150	138	<1	<5	1.69	<1	9	152	94	3.43	<5	0.18	8	48	1.10	415	2	0.02	45	1600	21	1.44	30	4	<10	<5	238	<0.01	<5	52	<5	9	100
153	KW11001-143	0.6	0.67	75	72	<1	<5	1.35	<1	10	138	108	3.34	<5	0.19	6	14	0.81	305	<1	0.02	46	1090	18	2.82	25	3	<10	<5	136	<0.01	<5	28	<5	7	90
154	KW11001-144	0.6	0.73	105	114	<1	<5	1.39	<1	9	102	74	2.81	<5	0.20	8	16	0.76	285	2	0.02	46	1840	18	2.39	30	2	<10	<5	150	<0.01	<5	36	<5	7	156
155	KW11001-145	0.4	1.24	125	158	<1	<5	2.32	<1	8	98	58	2.83	<5	0.21	10	36	1.13	545	1	0.02	36	1230	15	1.57	25	4	<10	<5	164	<0.01	<5	52	<5	8	146
156	KW11001-146	0.4	0.58	160	82	<1	<5	0.55	<1	10	68	16	3.70	<5	0.21	16	10	0.42	315	<1	0.02	23	420	63	2.27	15	4	<10	<5	48	<0.01	<5	18	<5	5	126
157	KW11001-147	0.4	0.45	215	58	<1	<5	0.30	<1	16	64	20	4.04	<5	0.20	14	4	0.26	245	<1	0.02	57	450	42	2.69	20	3	<10	<5	40	<0.01	<5	22	<5	6	102
158	KW11001-148	<0.2	0.49	90	176	<1	<5	0.44	<1	13	48	18	3.19	<5	0.21	20	6	0.43	415	<1	0.02	43	450	21	1.32	25	4	<10	<5	40	<0.01	<5	26	<5	7	128
159	KW11001-149	1.0	0.45	295	26	<1	<5	0.78	<1	12	104	18	8.07	<5	0.22	8	4	0.40	300	<1	0.03	48	380	39	6.42	35	3	<10	<5	50	<0.01	<5	20	5	5	128
160	KW11001-150	0.4	0.57	320	114	<1	<5	1.69	<1	9	98	6	2.87	<5	0.26	10	8	0.76	670	<1	0.02	14														

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
166	KW11001-156	1.4	0.89	190	38	<1	<5	0.70	<1	16	160	58	7.38	<5	0.18	10	28	0.55	365	8	0.03	112	580	117	4.66	60	4	<10	<5	72	<0.01	<5	78	5	7	590
167	KW11001-157	0.6	0.90	135	128	1	<5	0.58	<1	20	74	32	3.93	<5	0.20	18	26	0.49	310	3	0.02	84	440	30	1.79	30	4	<10	<5	126	<0.01	<5	36	<5	7	282
168	KW11001-158	0.4	0.83	95	114	1	<5	0.84	<1	17	76	38	3.12	<5	0.21	18	22	0.47	300	2	0.02	72	490	30	1.70	30	4	<10	<5	160	<0.01	<5	32	<5	7	288

QC DATA:**Repeat:**

1	KW11001-001	<0.2	0.56	30	270	<1	<5	0.27	<1	15	68	40	2.80	<5	0.21	<2	10	0.53	230	2	0.03	61	360	24	0.78	5	3	<10	<5	28	<0.01	<5	36	<5	6	224
10	KW11001-010	<0.2	0.62	<5	130	<1	<5	2.60	<1	5	94	2	2.39	<5	0.27	30	10	0.52	495	<1	0.03	<1	400	30	0.23	<5	4	<10	<5	134	<0.01	<5	8	<5	17	54
19	KW11001-019	<0.2	0.60	<5	106	<1	<5	2.22	<1	4	172	4	2.35	<5	0.24	32	14	0.51	490	<1	0.04	2	390	30	0.08	<5	5	<10	<5	146	<0.01	<5	8	<5	15	56
36	KW11001-035	<0.2	1.23	10	194	<1	<5	1.79	<1	8	92	6	2.74	<5	0.24	16	40	0.69	445	<1	0.02	6	440	27	0.42	5	5	<10	<5	108	<0.01	<5	16	<5	10	62
45	KW11001-042	<0.2	1.12	10	316	<1	<5	0.27	<1	5	122	4	2.21	<5	0.28	28	40	0.31	185	<1	0.02	1	420	33	0.43	<5	2	<10	<5	24	<0.01	<5	6	<5	10	54
54	KW11001-051	<0.2	0.61	15	114	<1	<5	1.32	7	5	218	4	2.11	<5	0.26	26	10	0.32	330	<1	0.02	2	370	30	0.34	<5	3	<10	<5	58	<0.01	<5	6	<5	9	62
71	KW11001-067	0.8	0.34	50	320	<1	<5	1.32	7	5	218	22	1.69	<5	0.12	<2	4	0.60	355	19	0.02	93	1380	12	1.23	45	3	20	<5	170	<0.01	<5	144	<5	11	576
80	KW11001-076	0.2	0.48	25	210	<1	<5	0.13	<1	11	118	44	3.83	<5	0.23	6	6	0.55	215	<1	0.02	42	570	18	1.52	35	3	<10	<5	86	<0.01	<5	30	<5	7	102
89	KW11001-083	<0.2	0.55	30	336	<1	<5	0.27	<1	12	52	54	2.64	<5	0.28	26	6	0.55	215	<1	0.02	39	560	21	0.41	10	4	<10	<5	140	<0.01	<5	34	<5	7	138
98	KW11001-092	<0.2	1.24	20	200	1	<5	0.15	<1	13	50	52	3.13	<5	0.33	36	34	0.72	245	<1	0.02	40	580	24	0.25	5	4	<10	<5	84	<0.01	<5	32	<5	8	148
106	KW11001-100	<0.2	0.88	15	180	<1	<5	0.24	<1	11	48	44	2.63	<5	0.26	28	18	0.59	215	<1	0.02	34	590	27	0.48	5	3	<10	<5	56	<0.01	<5	34	<5	6	154
115	KW11001-108	0.2	0.39	45	208	<1	<5	0.16	<1	10	184	38	2.57	<5	0.20	20	4	0.31	205	<1	0.02	31	470	21	1.21	30	2	<10	<5	100	<0.01	<5	18	<5	5	92
124	KW11001-117	0.4	0.52	35	188	1	<5	0.29	<1	10	68	54	2.65	<5	0.28	24	4	0.39	205	<1	0.02	40	530	21	1.33	30	3	<10	<5	84	<0.01	<5	30	<5	7	156
141	KW11001-132	0.4	0.72	60	138	1	<5	0.58	<1	13	56	54	3.04	<5	0.31	26	12	0.46	220	2	0.02	46	530	24	1.66	20	3	<10	<5	60	<0.01	<5	20	<5	7	116
151	KW11001-141	0.4	1.11	275	128	1	<5	0.99	<1	15	52	64	2.93	<5	0.26	16	30	0.67	275	3	0.02	64	910	21	1.65	60	3	<10	<5	176	<0.01	<5	24	<5	9	132
159	KW11001-149	1.0	0.46	295	28	<1	<5	0.81	<1	12	106	20	8.29	<5	0.22	8	4	0.41	305	<1	0.03	49	390	39	6.54	35	3	<10	<5	52	<0.01	<5	20	10	6	134

Resplit:

1	KW11001-001	<0.2	0.57	35	250	<1	<5	0.27	<1	16	64	38	2.82	<5	0.21	<2	10	0.54	230	2	0.03	61	370	24	0.81	5	4	<10	<5	28	<0.01	<5	34	<5	6	220
36	KW11001-035	<0.2	1.30	10	178	<1	<5	1.65	<1	7	102	6	2.75	<5	0.25	18	42	0.67	440	<1	0.02	7	420	24	0.40	5	5	<10	<5	98	<0.01	<5	16	<5	9	62
106	KW11001-100	<0.2	0.90	20	182	1	<5	0.25	<1	12	50	48	2.60	<5	0.27	32	20	0.58	210	<1	0.02	35	580	24	0.50	10	4	<10	<5	54	<0.01	<5	36	<5	7	160
141	KW11001-132	0.4	0.69	60	130	1	<5	0.57	<1	13	60	52	3.06	<5	0.29	24	12	0.45	220	2	0.02	46	530	24	1.60	20	3	<10	<5	58	<0.01	<5	22	<5	7	112

Standard:

Pb129a	12.2	0.86	5	66	<1	<5	0.47	58	6	12	1428	1.55	<5	0.11	4	<2	0.67	365	1	0.04	5	400	6231	0.83	15	<1	<10	<5	30	0.05	<5	18	<5	2	>10000
Pb129a	11.8	0.87	5	66	<1	<5	0.46	58	6	12	1406	1.54	<5	0.11	4	<2	0.67	365	2	0.03	5	410	6300	0.81	15	<1	<10	<5	30	0.05	<5	18	<5	2	>10000
Pb129a	11.4	0.87	5	66	<1	<5	0.45	58	6	12	1392	1.59	<5	0.11	4	<2	0.67	360	1	0.03	4	400	6129	0.81	15	<1	<10	<5	32	0.05	<5	18	<5	2	>10000
Pb129a	11.6	0.87	5	66	<1	<5	0.47	59	6	12	1430	1.50	<5	0.11	4	<2	0.68	360	1	0.04	4	410	6228	0.83	15	<1	<10	<5	32	0.05	<5	18	<5	2	>10000
Pb129a	11.4	0.86	5	70	<1	<5	0.46	60	6	12	1456	1.56	<5	0.11	4	<2	0.68	370	1	0.03	5	420	6081	0.80	15	<1	<10	<5	30	0.05	<5	18	<5	2	>10000

ICP: Aqua Regia Digest / ICP- AES Finish.

NM/cr/mb

dt/1_8187AS/1_8187BSCORRECT

XLS/11



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



CERTIFICATE OF ASSAY AW 2011-8188

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

28-Sep-11

No. of samples received: 169
Sample Type: Core
Project: Kiwi
Shipment #: KW11-001
Submitted by: M. McCuaig

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
1	KW11001-159	0.04	0.001		
2	KW11001-160	0.03	0.001		
3	KW11001-160S	3.50	0.102	73.6	2.15
4	KW11001-160B	<0.03	<0.001		
5	KW11001-161	0.04	0.001		
6	KW11001-162	<0.03	<0.001		
7	KW11001-163	<0.03	<0.001		
8	KW11001-164	0.15	0.004		
9	KW11001-165	<0.03	<0.001		
10	KW11001-166	0.03	0.001		
11	KW11001-167	<0.03	<0.001		
12	KW11001-168	0.05	0.001		
13	KW11001-169	0.06	0.002		
14	KW11001-170	0.04	0.001		
15	KW11001-171	0.13	0.004		
16	KW11001-172	<0.03	<0.001		
17	KW11001-173	0.06	0.002		
18	KW11001-174	0.05	0.001		
19	KW11001-175	<0.03	<0.001		
20	KW11001-176	0.09	0.003		
21	KW11001-177	0.04	0.001		
22	KW11001-178	0.11	0.003		
23	KW11001-179	0.09	0.003		
24	KW11001-180	0.07	0.002		
25	KW11001-180S	1.43	0.042		
26	KW11001-181	0.05	0.001		
27	KW11001-182	0.04	0.001		


ECO TECH LABORATORY LTD.



TerraLogic Exploration Inc. AW11-8188

28-Sep-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
28	KW11001-183	0.05	0.001		
29	KW11001-184	0.03	0.001		
30	KW11001-185	<0.03	<0.001		
31	KW11001-186	0.04	0.001		
32	KW11001-187	0.04	0.001		
33	KW11001-188	0.04	0.001		
34	KW11001-189	<0.03	<0.001		
35	KW11001-190	<0.03	<0.001		
36	KW11001-191	0.07	0.002		
37	KW11001-192	0.08	0.002		
38	KW11001-193	0.07	0.002		
39	KW11001-194	0.05	0.001		
40	KW11001-195	0.03	0.001		
41	KW11001-196	0.03	0.001		
42	KW11001-197	0.03	0.001		
43	KW11001-198	0.03	0.001		
44	KW11001-199	0.05	0.001		
45	KW11001-200	<0.03	<0.001		
46	KW11001-200S	3.47	0.101	73.0	2.13
47	KW11001-200B	<0.03	<0.001		
48	KW11001-201	<0.03	<0.001		
49	KW11001-202	0.03	0.001		
50	KW11001-203	0.04	0.001		
51	KW11001-204	<0.03	<0.001		
52	KW11001-205	<0.03	<0.001		
53	KW11001-206	<0.03	<0.001		
54	KW11001-207	<0.03	<0.001		
55	KW11001-208	<0.03	<0.001		
56	KW11001-209	<0.03	<0.001		
57	KW11001-210	<0.03	<0.001		
58	KW11001-211	<0.03	<0.001		
59	KW11001-212	<0.03	<0.001		
60	KW11001-213	<0.03	<0.001		
61	KW11001-214	<0.03	<0.001		
62	KW11001-215	<0.03	<0.001		
63	KW11001-216	0.03	0.001		
64	KW11001-217	0.03	0.001		
65	KW11001-218	<0.03	<0.001		
66	KW11001-219	0.03	0.001		
67	KW11001-220	<0.03	<0.001		
68	KW11001-220S	1.40	0.041		


ECO TECH LABORATORY LTD.



TerraLogic Exploration Inc. AW11-8188

28-Sep-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
69	KW11001-221	0.07	0.002		
70	KW11001-222	0.04	0.001		
71	KW11001-223	0.04	0.001		
72	KW11001-224	0.07	0.002		
73	KW11001-225	0.06	0.002		
74	KW11001-226	0.05	0.001		
75	KW11001-227	0.04	0.001		
76	KW11001-228	0.04	0.001		
77	KW11001-229	0.05	0.001		
78	KW11001-230	0.04	0.001		
79	KW11001-231	0.04	0.001		
80	KW11001-232	0.04	0.001		
81	KW11001-233	0.08	0.002		
82	KW11001-234	0.10	0.003		
83	KW11001-235	0.04	0.001		
84	KW11001-236	0.04	0.001		
85	KW11001-237	0.03	0.001		
86	KW11001-238	0.03	0.001		
87	KW11001-239	<0.03	<0.001		
88	KW11001-240	<0.03	<0.001		
89	KW11001-240S	3.60	0.105	74.2	2.16
90	KW11001-240B	<0.03	<0.001		
91	KW11001-241	0.03	0.001		
92	KW11001-242	0.04	0.001		
93	KW11001-243	0.04	0.001		
94	KW11001-244	<0.03	<0.001		
95	KW11001-245	<0.03	<0.001		
96	KW11001-246	0.03	0.001		
97	KW11001-247	0.04	0.001		
98	KW11001-248	0.07	0.002		
99	KW11001-249	0.06	0.002		
100	KW11001-250	<0.03	<0.001		
101	KW11001-251	0.03	0.001		
102	KW11001-252	0.04	0.001		
103	KW11001-253	<0.03	<0.001		
104	KW11001-254	<0.03	<0.001		
105	KW11001-255	0.03	0.001		
106	KW11001-256	0.03	0.001		
107	KW11001-257	0.05	0.001		
108	KW11001-258	0.04	0.001		
109	KW11001-259	0.04	0.001		


ECO TECH LABORATORY LTD.



TerraLogic Exploration Inc. AW11-8188

28-Sep-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
110	KW11001-260	0.03	0.001		
111	KW11001-260S	1.39	0.041		
112	KW11001-261	0.03	0.001		
113	KW11001-262	0.03	0.001		
114	KW11001-263	0.03	0.001		
115	KW11001-264	0.03	0.001		
116	KW11001-265	0.03	0.001		
117	KW11001-266	0.03	0.001		
118	KW11001-267	0.03	0.001		
119	KW11001-268	0.03	0.001		
120	KW11001-269	0.03	0.001		
121	KW11001-270	0.03	0.001		
122	KW11001-271	0.03	0.001		
123	KW11001-272	0.03	0.001		
124	KW11001-273	0.03	0.001		
125	KW11001-274	0.03	0.001		
126	KW11001-275	0.05	0.001		
127	KW11001-276	0.04	0.001		
128	KW11001-277	0.03	0.001		
129	KW11001-278	0.06	0.002		
130	KW11001-279	0.08	0.002		
131	KW11001-280	0.04	0.001		
132	KW11001-280S	3.55	0.104	73.0	2.13
133	KW11001-280B	<0.03	<0.001		
134	KW11001-281	0.05	0.001		
135	KW11001-282	0.06	0.002		
136	KW11001-283	0.03	0.001		
137	KW11001-284	0.05	0.001		
138	KW11001-285	0.06	0.002		
139	KW11001-286	0.06	0.002		
140	KW11001-287	0.04	0.001		
141	KW11001-288	0.04	0.001		
142	KW11001-289	0.07	0.002		
143	KW11001-290	0.03	0.001		
144	KW11001-291	<0.03	<0.001		
145	KW11001-292	<0.03	<0.001		
146	KW11001-293	0.11	0.003		
147	KW11001-294	0.06	0.002		
148	KW11001-295	0.04	0.001		
149	KW11001-296	0.11	0.003		
150	KW11001-297	0.03	0.001		

ECO TECH LABORATORY LTD.

Norman Monteith

B.C. Certified Assayer



TerraLogic Exploration Inc. AW11-8188

28-Sep-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
151	KW11001-298	0.03	0.001		
152	KW11001-299	0.04	0.001		
153	KW11001-300	0.04	0.001		
154	KW11001-300S	1.43	0.042		
155	KW11001-301	0.03	0.001		
156	KW11001-302	0.04	0.001		
157	KW11001-303	0.04	0.001		
158	KW11001-304	0.03	0.001		
159	KW11001-305	0.04	0.001		
160	KW11001-306	0.03	0.001		
161	KW11001-307	0.04	0.001		
162	KW11001-308	0.05	0.001		
163	KW11001-309	0.04	0.001		
164	KW11001-310	0.04	0.001		
165	KW11001-311	<0.03	<0.001		
166	KW11001-312	0.03	0.001		
167	KW11001-313	0.04	0.001		
168	KW11001-314	0.04	0.001		
169	KW11001-315	0.04	0.001		

QC DATA:

Repeat:

1	KW11001-159	0.04	0.001
10	KW11001-166	0.05	0.001
19	KW11001-175	<0.03	<0.001
36	KW11001-191	0.07	0.002
45	KW11001-200	<0.03	<0.001
54	KW11001-207	<0.03	<0.001
71	KW11001-223	0.04	0.001
80	KW11001-232	0.03	0.001
91	KW11001-241	<0.03	<0.001
106	KW11001-256	0.03	0.001
115	KW11001-264	0.03	0.001
124	KW11001-273	0.04	0.001
141	KW11001-288	0.03	0.001
150	KW11001-297	0.03	0.001
159	KW11001-305	0.04	0.001

ECO TECH LABORATORY LTD.

Norman Monteith

B.C. Certified Assayer

Eco Tech Laboratory Ltd.
 10041 Dallas Drive
 Kamloops, BC
 V2C 6T4 Canada
 Tel + 250 573 5700
 Fax + 250 573 4557
 Toll Free + 1 877 573 5755
 www.stewartgroupglobal.com



StewartGroup
 Geochemical & Assay

TerraLogic Exploration Inc. AW11-8188

28-Sep-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
Resplit:					
1	KW11001-159	0.03	0.001		
36	KW11001-191	0.05	0.001		
71	KW11001-223	0.04	0.001		
106	KW11001-256	0.03	0.001		
141	KW11001-288	0.04	0.001		

Standard:

OXi81	1.80	0.052			
OXG84	0.93	0.027			
OXE86	0.62	0.018			
OXG84	0.93	0.027			
OXE86	0.61	0.018			
GBM908-14				304	8.87

FA/AA Finish

NM/EL
 XLS/11


ECO TECH LABORATORY LTD.

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

ICP CERTIFICATE OF ANALYSIS AW 2011-8188

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

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

No. of samples received: 169
 Sample Type: Core
Project: Kiwi
Shipment #: KW11-001
 Submitted by: M. McCuaig

Values in ppm unless otherwise reported

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	KW11001-159	0.4	0.91	45	220	1	5	0.70	<1	16	36	40	2.06	<5	0.23	26	24	0.43	275	11	0.02	71	440	30	0.69	45	3	<10	<5	144	<0.01	<5	50	<5	7	300
2	KW11001-160	<0.2	0.92	35	162	1	5	0.32	<1	18	34	36	2.75	<5	0.25	26	24	0.35	185	4	0.03	61	540	24	1.07	15	4	<10	<5	68	<0.01	<5	26	<5	6	166
3	KW11001-160S	>50	1.18	95	82	<1	<5	2.00	<1	11	20	748	3.19	<5	0.17	4	8	0.85	800	742	0.06	10	670	48	0.19	40	2	<10	<5	104	0.10	<5	32	<5	3	94
4	KW11001-160B	<0.2	0.48	<5	168	<1	<5	0.11	<1	4	10	4	1.46	<5	0.36	8	14	0.20	335	2	0.10	<1	180	6	<0.01	<5	4	<10	<5	10	0.09	<5	16	<5	11	20
5	KW11001-161	0.4	1.00	65	130	1	10	0.26	<1	15	48	30	3.64	<5	0.24	28	28	0.41	195	4	0.03	61	470	15	1.47	15	4	<10	<5	56	<0.01	<5	30	<5	6	180
6	KW11001-162	0.4	1.05	40	108	1	10	0.56	<1	16	32	32	4.29	<5	0.24	24	32	0.50	275	3	0.03	71	500	24	2.20	20	4	<10	<5	120	<0.01	<5	28	<5	6	222
7	KW11001-163	0.4	1.26	40	118	1	10	0.38	<1	20	48	36	4.29	<5	0.26	24	40	0.55	230	5	0.03	81	460	33	1.85	20	4	<10	<5	76	<0.01	<5	42	<5	7	238
8	KW11001-164	0.4	1.44	20	238	1	10	0.24	<1	17	30	38	3.75	<5	0.26	30	48	0.65	255	5	0.03	71	480	27	0.67	15	5	<10	<5	48	<0.01	<5	46	<5	6	258
9	KW11001-165	0.4	1.20	30	228	1	10	0.20	<1	18	34	36	3.23	<5	0.27	30	36	0.48	200	4	0.03	64	490	21	0.76	10	4	<10	<5	42	<0.01	<5	36	<5	6	216
10	KW11001-166	<0.2	0.89	30	226	<1	5	0.32	<1	14	52	42	2.54	<5	0.21	24	28	0.42	220	11	0.02	76	420	51	0.67	25	3	<10	<5	76	<0.01	<5	78	<5	6	306
11	KW11001-167	<0.2	1.38	20	284	1	5	0.25	<1	16	34	36	3.44	<5	0.26	34	46	0.64	275	3	0.03	63	550	18	0.38	20	5	<10	<5	46	<0.01	<5	42	<5	6	270
12	KW11001-168	0.2	1.46	35	198	1	10	0.37	<1	19	38	34	4.26	<5	0.24	28	56	0.72	310	4	0.03	64	480	15	0.90	15	5	<10	<5	62	<0.01	<5	38	<5	6	198
13	KW11001-169	0.4	1.28	45	132	1	10	0.75	<1	18	42	28	4.21	<5	0.27	20	46	0.57	280	4	0.03	61	450	24	1.92	10	4	<10	<5	122	<0.01	<5	30	<5	6	166
14	KW11001-170	<0.2	1.12	30	206	1	5	0.49	<1	17	30	36	2.93	<5	0.25	24	40	0.49	245	5	0.03	62	500	27	0.91	10	4	<10	<5	90	<0.01	<5	30	<5	6	208
15	KW11001-171	0.2	1.24	25	162	1	10	0.59	<1	19	40	34	4.00	<5	0.25	24	48	0.60	295	4	0.03	68	470	21	1.31	10	4	<10	<5	96	<0.01	<5	32	<5	6	204
16	KW11001-172	<0.2	0.98	35	54	1	10	0.61	<1	17	32	34	4.03	<5	0.25	16	36	0.43	215	6	0.03	87	410	33	2.66	15	3	<10	<5	90	<0.01	<5	38	<5	5	280
17	KW11001-173	<0.2	1.26	20	188	1	5	0.47	<1	15	34	40	3.18	<5	0.26	20	54	0.50	210	6	0.03	65	430	27	1.28	10	3	<10	<5	68	<0.01	<5	44	<5	6	228
18	KW11001-174	<0.2	1.32	20	80	<1	10	0.44	<1	18	60	32	5.03	<5	0.21	16	64	0.64	260	6	0.03	80	440	36	2.40	15	4	<10	<5	54	<0.01	<5	46	<5	5	244
19	KW11001-175	<0.2	1.61	30	262	<1	10	0.28	<1	20	56	32	3.75	<5	0.26	28	78	0.76	280	4	0.03	66	470	27	0.68	15	5	<10	<5	36	<0.01	<5	46	<5	6	226
20	KW11001-176	<0.2	1.38	25	262	<1	10	0.29	<1	19	46	40	3.45	<5	0.26	28	68	0.61	285	3	0.03	67	530	21	0.78	10	5	<10	<5	38	<0.01	<5	46	<5	6	266
21	KW11001-177	<0.2	0.99	30	310	<1	5	0.32	1	16	40	36	2.01	<5	0.27	26	36	0.41	215	6	0.03	55	460	21	0.55	20	4	<10	<5	36	<0.01	<5	44	<5	6	322
22	KW11001-178	1.2	0.74	55	24	1	15	0.24	<1	18	58	32	6.36	<5	0.28	14	16	0.30	90	4	0.03	79	420	30	5.42	25	4	<10	<5	28	<0.01	<5	24	<5	5	188
23	KW11001-179	<0.2	0.40	30	54	<1	10	0.16	<1	18	12	28	4.24	<5	0.12	12	16	0.17	70	3	0.02	72	480	27	3.64	20	2	<10	<5	24	<0.01	<5	8	<5	5	164
24	KW11001-180	<0.2	1.77	5	120	<1	10	1.38	<1	6	56	6	2.99	<5	0.17	32	124	1.08	630	2	0.02	3	540	27	0.11	<5	3	<10	<5	90	<0.01	<5	20	<5	12	56
25	KW11001-180S	31.6	0.35	25	252	<1	<5	1.26	<1	8	34	3038	2.48	<5	0.17	8	2	0.14	395	356	0.05	18	380	57	0.99	70	<1	<10	<5	204	<0.01	<5	16	<5	3	54
26	KW11001-181	<0.2	1.70	5	118	1	<5	1.64	<1	6	94	8	2.83	<5	0.16	28	116	1.09	585	3	0.02	4	510	27	0.30	<5	2	<10	<5	110	<0.01	<5	16	<5	11	62
27	KW11001-182	<0.2	1.78	5	78	<1	10	1.74	<1	6	90	6	2.97	<5	0.14	28	124	1.07	610	2	0.02	4	540	27	0.22	<5	2	<10	<5	104	<0.01	<5	20	<5	11	62
28	KW11001-183	<0.2	1.71	<5	102	<1	5	1.65	<1	6	102	6	2.93	<5	0.15	34	110	1.06	650	2	0.03	3	560	27	0.15	<5	3	<10	<5	110	<0.01	<5	22	<5	14	62
29	KW11001-184	<0.2	1.82	<5	110	<1	10	1.87	<1	6	76	4	3.15	<5	0.18	30	118	1.07	705	2	0.03	3	550	27	0.17	<5	3	<10	<5	120	<0.01	<5	22	<5	14	60
30	KW11001-185	<0.2	1.88	5	120	<1	10	2.02	<1	6	92	6	3.09	<5	0.17	28	120	1.08	735	2	0.03	3	530	30	0.15	<5	3	<10	<5	122	<0.01	<5	22	<5	14	56

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	KW11001-186	<0.2	1.88	<5	144	<1	10	0.48	<1	5	94	4	2.99	<5	0.17	32	116	0.77	495	2	0.04	3	550	30	0.11	<5	4	<10	<5	68	<0.01	<5	24	<5	11	56
32	KW11001-187	<0.2	1.77	<5	232	<1	5	0.50	<1	5	66	6	2.70	<5	0.11	36	100	0.69	480	2	0.04	2	620	30	0.04	<5	5	<10	<5	96	<0.01	<5	26	<5	12	62
33	KW11001-188	<0.2	1.81	<5	248	<1	10	0.44	<1	5	104	6	2.70	<5	0.11	36	102	0.63	525	2	0.05	3	760	27	0.05	<5	5	<10	<5	100	<0.01	<5	28	<5	13	64
34	KW11001-189	0.2	1.38	5	144	<1	<5	0.31	<1	8	70	6	2.39	<5	0.13	30	56	0.63	495	2	0.05	4	420	36	0.65	<5	6	<10	<5	90	<0.01	<5	20	<5	9	56
35	KW11001-190	0.4	1.22	15	144	<1	5	0.40	<1	13	86	6	3.29	<5	0.13	28	48	0.66	570	2	0.05	6	430	42	1.29	5	6	<10	<5	90	<0.01	<5	20	<5	8	134
36	KW11001-191	1.4	0.87	55	22	<1	15	0.47	<1	16	80	8	7.26	<5	0.19	14	26	0.42	270	2	0.05	10	510	60	5.93	20	4	<10	<5	66	<0.01	<5	12	<5	8	126
37	KW11001-192	0.4	0.84	10	106	<1	5	0.64	<1	4	102	6	2.19	<5	0.19	22	28	0.49	295	2	0.03	6	540	18	1.78	<5	3	<10	<5	64	<0.01	<5	10	<5	9	50
38	KW11001-193	0.4	0.83	15	136	<1	5	1.16	<1	5	76	4	2.30	<5	0.18	16	28	0.77	475	2	0.03	6	550	27	1.54	<5	3	<10	<5	80	<0.01	<5	12	<5	11	42
39	KW11001-194	0.6	0.68	50	40	<1	10	1.12	<1	8	126	6	5.07	<5	0.19	12	24	0.72	490	2	0.03	7	450	30	4.36	10	3	<10	<5	72	<0.01	<5	10	<5	9	64
40	KW11001-195	0.4	1.00	10	110	<1	5	0.86	<1	6	60	6	2.68	<5	0.19	16	40	0.82	440	1	0.03	5	600	24	2.02	<5	3	<10	<5	72	<0.01	<5	12	<5	10	60
41	KW11001-196	0.4	0.91	25	42	<1	15	1.49	<1	8	118	10	6.12	<5	0.17	10	38	1.03	715	2	0.03	12	1120	33	4.93	10	4	<10	<5	84	<0.01	<5	14	<5	12	66
42	KW11001-197	0.4	0.66	30	30	<1	10	0.15	<1	18	56	44	4.21	<5	0.31	14	8	0.11	60	6	0.03	68	450	33	3.67	25	2	<10	<5	30	<0.01	<5	20	<5	5	212
43	KW11001-198	0.2	0.81	25	162	<1	5	0.16	1	16	92	34	2.73	<5	0.24	22	28	0.27	220	6	0.03	63	430	24	1.16	30	3	<10	<5	26	<0.01	<5	38	<5	6	294
44	KW11001-199	0.4	0.90	25	160	<1	10	0.29	2	15	84	34	3.84	<5	0.23	22	30	0.47	390	4	0.03	64	450	21	1.43	15	4	<10	<5	32	<0.01	<5	52	<5	7	358
45	KW11001-200	<0.2	0.83	20	194	<1	10	0.19	<1	17	40	34	2.82	<5	0.21	28	32	0.37	200	5	0.03	58	420	18	0.87	10	3	<10	<5	30	<0.01	<5	26	<5	5	220
46	KW11001-200S	>50	1.16	95	82	<1	<5	1.90	<1	10	18	764	3.19	<5	0.17	4	8	0.88	800	765	0.06	10	660	48	0.20	50	2	<10	<5	108	0.10	<5	30	<5	3	96
47	KW11001-200B	<0.2	0.48	<5	166	<1	<5	0.12	<1	4	10	4	1.39	<5	0.36	8	14	0.21	345	2	0.10	<1	180	6	<0.01	<5	4	<10	<5	10	0.09	<5	16	<5	11	18
48	KW11001-201	<0.2	1.05	25	260	<1	5	0.21	<1	19	50	34	2.95	<5	0.21	28	44	0.52	225	5	0.03	63	410	21	0.62	10	4	<10	<5	30	<0.01	<5	34	<5	6	230
49	KW11001-202	<0.2	1.37	20	260	<1	10	0.14	<1	16	62	34	3.02	<5	0.19	30	60	0.70	205	7	0.03	63	460	18	0.36	5	4	<10	<5	28	<0.01	<5	40	<5	6	200
50	KW11001-203	<0.2	1.64	25	190	<1	10	0.15	<1	18	102	36	4.28	<5	0.20	24	78	0.83	270	5	0.03	67	500	24	0.86	5	4	<10	<5	30	<0.01	<5	48	<5	6	224
51	KW11001-204	<0.2	1.29	30	236	<1	10	0.15	<1	19	54	36	2.98	<5	0.21	28	58	0.63	185	4	0.03	64	490	18	0.58	<5	4	<10	<5	30	<0.01	<5	38	<5	6	226
52	KW11001-205	0.2	1.05	35	162	<1	10	0.20	<1	18	68	34	2.88	<5	0.22	20	42	0.50	180	6	0.03	71	420	30	1.08	5	3	<10	<5	24	<0.01	<5	40	<5	6	232
53	KW11001-206	<0.2	1.05	30	66	<1	10	0.28	<1	18	86	36	4.84	<5	0.18	16	46	0.60	235	5	0.03	76	420	27	2.67	15	4	<10	<5	24	<0.01	<5	42	<5	6	254
54	KW11001-207	<0.2	1.06	35	78	<1	10	0.35	<1	18	84	36	3.90	<5	0.21	16	44	0.64	205	4	0.03	72	450	24	2.41	10	3	<10	<5	28	<0.01	<5	34	<5	6	216
55	KW11001-208	<0.2	1.62	30	124	<1	15	0.37	<1	19	78	36	4.60	<5	0.19	14	74	1.01	285	5	0.03	63	480	27	1.61	10	5	<10	<5	28	<0.01	<5	42	<5	6	204
56	KW11001-209	<0.2	1.16	40	114	<1	5	0.37	<1	18	90	36	3.44	<5	0.22	12	48	0.64	220	6	0.03	72	430	36	1.69	10	4	<10	<5	24	<0.01	<5	44	<5	6	240
57	KW11001-210	0.2	0.70	70	24	<1	15	0.23	<1	19	58	36	6.32	<5	0.23	10	20	0.28	90	6	0.03	108	480	33	5.15	35	3	<10	<5	26	<0.01	<5	16	<5	5	186
58	KW11001-211	0.2	0.68	45	38	<1	10	0.24	<1	19	66	36	4.92	<5	0.22	14	22	0.30	120	6	0.03	80	440	24	4.11	25	3	<10	<5	26	<0.01	<5	18	<5	5	192
59	KW11001-212	1.0	0.61	85	36	<1	10	0.58	<1	21	80	30	5.24	<5	0.21	14	18	0.45	230	6	0.03	103	600	33	4.74	35	3	<10	<5	32	<0.01	<5	24	<5	8	254
60	KW11001-213	1.2	0.72	75	48	<1	20	1.92	<1	23	56	26	6.09	<5	0.18	8	30	1.07	690	6	0.03	95	660	30	5.31	25	3	<10	<5	58	<0.01	<5	34	<5	12	298
61	KW11001-214	0.4	0.53	75	88	<1	5	1.07	<1	17	102	34	2.90	<5	0.19	10	12	0.64	365	5	0.02	64	440	18	2.69	20	3	<10	<5	40	<0.01	<5	22	<5	7	248
62	KW11001-215	0.8	0.58	85	70	<1	10	1.21	<1	16	104	42	3.67	<5	0.19	10	16	0.74	390	3	0.03	64	410	24	3.29	35	3	<10	<5	42	<0.01	<5	20	<5	7	138
63	KW11001-216	1.0	0.54	105	60	<1	10	0.88	<1	20	92	44	4.01	<5	0.21	10	12	0.51	290	4	0.03	73	410	27	3.79	40	3	<10	<5	48	<0.01	<5	16	<5	7	174
64	KW11001-217	0.8	0.75	85	86	<1	5	1.24	<1	17	68	34	2.96	<5	0.23	12	22	0.82	400	6	0.03	61	640	21	2.75	30	4	<10	<5	60	<0.01	<5	24	<5	8	196
65	KW11001-218	0.8	0.58	105	88	<1	5	0.86	<1	18	58	36	2.81	<5	0.22	12	14	0.53	260	5	0.03	64	430	21	2.67	35	3	<10	<5	50	<0.01	<5	16	<5	7	184
66	KW11001-219	0.8	0.51	140	28	<1	15	0.73	<1	17	150	30	6.59	<5	0.21	8	10	0.42	240	4	0.03	73	490	30	5.98	40	3	<10	<5	42	<0.01	<5	16	<5	6	186
67	KW11001-220	0.6	0.52	115	38	<1	10	0.49	<1	18	88	34	4.18	<5	0.21	12	10	0.33	180	3	0.03	63	370	21	3.85	25	3	<10	<5	32	<0.01	<5	14	<5	6	226
68	KW11001-220S	31.0	0.35	25	256	<1	<5	1.23	<1	8	32	3014	2.43	<5	0.16	8	2	0.14	400	383	0.05	18	380	57	0.98	70	<1	<10	<5	254	<0.01	<5	16	<5	3	54
69	KW11001-221	1.6	0.70	500	64	<1	10	0.88	<1	14	80	86	3.77	<5	0.25	14	20	0.59	365	3	0.02	43	550	27	3.24	20	3	<10	<5	44	<0.01	<5	16	<5	7	114
70	KW11001-222	0.8	0.79	260	132	<1	<5	0.99	<1	13	96	126	1.77	<5	0.28	18	24	0.66	450	3	0.02	43	650	27	1.23	10	3	<10	<5	58	<0.01	<5	16	&		

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
76	KW11001-228	0.6	0.29	30	64	<1	10	0.29	<1	6	178	8	3.12	<5	0.17	10	<2	0.08	85	2	0.02	9	610	18	2.83	10	<1	<10	<5	34	<0.01	<5	4	<5	7	50
77	KW11001-229	0.8	0.27	45	30	<1	15	0.39	<1	7	162	10	6.59	<5	0.16	8	<2	0.12	140	2	0.03	14	640	30	5.69	20	<1	<10	<5	36	<0.01	<5	4	<5	7	48
78	KW11001-230	0.6	0.28	55	86	<1	<5	1.09	<1	6	170	8	2.42	<5	0.15	8	2	0.44	470	2	0.02	8	450	21	2.07	10	2	<10	<5	46	<0.01	<5	8	<5	7	44
79	KW11001-231	0.8	0.45	120	104	<1	<5	0.60	<1	14	74	56	1.72	<5	0.26	14	2	0.26	240	7	0.02	42	400	24	1.56	10	2	<10	<5	42	<0.01	<5	14	<5	7	58
80	KW11001-232	1.0	0.43	180	110	<1	5	0.77	<1	13	106	48	1.67	<5	0.25	12	2	0.32	345	6	0.02	37	490	18	1.47	10	2	<10	<5	52	<0.01	<5	16	<5	9	74
81	KW11001-233	2.0	0.38	150	22	<1	15	0.45	<1	10	116	12	6.83	<5	0.20	8	<2	0.15	145	2	0.03	13	680	27	5.99	35	1	<10	<5	50	<0.01	<5	6	<5	9	78
82	KW11001-234	2.4	0.36	235	22	<1	20	0.55	<1	8	170	10	7.79	<5	0.20	8	<2	0.19	180	3	0.03	12	820	27	6.72	30	2	<10	<5	56	<0.01	<5	6	<5	11	72
83	KW11001-235	0.8	0.53	225	130	<1	10	1.25	<1	15	40	74	2.04	<5	0.31	12	4	0.53	465	7	0.02	41	700	24	1.84	10	4	<10	<5	70	<0.01	<5	18	<5	10	202
84	KW11001-236	0.8	0.52	70	80	<1	5	0.30	<1	13	98	54	2.48	<5	0.32	14	2	0.12	90	5	0.02	35	610	18	2.36	20	2	<10	<5	44	<0.01	<5	12	<5	8	152
85	KW11001-237	1.2	0.53	80	72	<1	10	0.74	<1	15	48	52	3.19	<5	0.31	14	4	0.30	290	4	0.02	41	550	24	2.97	20	3	<10	<5	44	<0.01	<5	14	<5	8	100
86	KW11001-238	1.0	0.49	85	52	<1	10	0.77	<1	13	60	48	3.74	<5	0.29	10	2	0.30	265	8	0.02	41	490	24	3.43	20	3	<10	<5	42	<0.01	<5	14	<5	8	106
87	KW11001-239	0.6	0.46	65	142	<1	<5	0.35	<1	11	42	44	1.18	<5	0.26	12	<2	0.11	90	5	0.02	42	720	18	1.08	10	2	<10	<5	44	<0.01	<5	14	<5	9	42
88	KW11001-240	0.8	0.47	140	112	<1	5	0.29	<1	14	70	36	1.87	<5	0.27	12	2	0.10	70	4	0.02	50	660	24	1.74	10	2	<10	<5	34	<0.01	<5	16	<5	9	34
89	KW11001-240S	>50	1.14	95	78	<1	<5	1.93	<1	10	18	762	3.15	<5	0.16	4	8	0.88	815	755	0.06	11	700	51	0.20	50	1	<10	<5	104	0.09	<5	30	<5	3	96
90	KW11001-240B	<0.2	0.48	<5	168	<1	<5	0.12	<1	4	10	4	1.44	<5	0.35	8	14	0.21	345	2	0.10	1	180	6	<0.01	<5	4	<10	<5	10	0.09	<5	16	<5	11	20
91	KW11001-241	0.8	0.48	480	76	1	5	0.67	<1	13	44	52	3.01	<5	0.28	10	2	0.28	245	3	0.02	37	560	15	2.74	15	3	<10	<5	56	<0.01	<5	14	<5	9	70
92	KW11001-242	0.8	0.50	135	52	<1	10	1.15	<1	13	74	46	4.83	<5	0.27	8	4	0.54	625	3	0.03	40	710	24	3.86	20	3	<10	<5	48	<0.01	<5	20	<5	11	82
93	KW11001-243	0.8	0.55	255	132	<1	10	1.61	3	13	74	64	3.92	<5	0.23	8	8	0.69	890	7	0.02	64	1710	96	2.04	10	4	<10	<5	118	<0.01	<5	80	<5	14	618
94	KW11001-244	1.0	0.58	85	120	<1	10	0.52	2	15	138	68	4.01	<5	0.25	8	6	0.32	680	11	0.02	78	1760	114	2.10	15	4	<10	<5	142	<0.01	<5	114	<5	15	412
95	KW11001-245	1.4	0.54	90	122	<1	10	0.35	2	17	124	76	3.99	<5	0.23	8	8	0.27	760	12	0.02	81	1340	135	2.02	15	3	<10	<5	112	<0.01	<5	128	<5	14	392
96	KW11001-246	1.6	0.81	120	68	<1	15	0.57	3	16	194	58	5.36	<5	0.28	8	6	0.33	865	8	0.03	67	1030	117	3.06	30	4	<10	<5	86	<0.01	<5	118	<5	13	480
97	KW11001-247	1.0	0.57	65	164	<1	<5	1.05	2	14	138	72	2.49	<5	0.23	8	4	0.32	630	10	0.02	73	2150	69	1.48	10	4	<10	<5	132	<0.01	<5	84	<5	16	320
98	KW11001-248	1.0	0.33	400	60	<1	10	1.28	<1	8	182	22	4.09	<5	0.18	8	<2	0.49	485	3	0.02	24	600	21	3.49	10	2	<10	<5	44	<0.01	<5	16	<5	8	56
99	KW11001-249	1.0	0.33	210	44	<1	10	0.99	<1	14	98	24	4.39	<5	0.18	8	<2	0.40	330	4	0.03	52	440	27	3.81	15	3	<10	<5	30	<0.01	<5	18	<5	8	174
100	KW11001-250	0.8	0.42	80	180	1	<5	0.43	<1	15	58	32	2.79	<5	0.22	18	2	0.37	405	5	0.03	67	370	18	1.13	<5	3	<10	<5	28	<0.01	<5	28	<5	6	192
101	KW11001-251	5.2	0.37	140	32	<1	15	0.47	<1	20	148	64	6.72	<5	0.19	12	6	0.39	435	17	0.03	94	390	30	3.82	20	3	<10	<5	34	<0.01	<5	26	<5	6	202
102	KW11001-252	0.8	0.41	85	102	1	10	0.23	<1	17	60	36	3.85	<5	0.23	20	4	0.31	230	4	0.03	72	400	21	2.20	10	3	<10	<5	28	<0.01	<5	30	<5	5	260
103	KW11001-253	0.4	0.42	55	248	1	5	0.18	<1	19	38	40	2.88	<5	0.22	26	4	0.37	290	5	0.03	89	420	30	0.72	<5	3	<10	<5	28	<0.01	<5	36	<5	5	260
104	KW11001-254	0.6	0.43	55	92	1	10	0.23	<1	19	72	70	4.67	<5	0.22	18	4	0.41	320	4	0.03	88	420	27	2.14	10	4	<10	<5	28	<0.01	<5	34	<5	5	244
105	KW11001-255	1.0	0.43	70	86	1	15	0.20	<1	19	46	36	4.35	<5	0.24	20	4	0.33	250	5	0.03	88	430	27	2.33	10	3	<10	<5	30	<0.01	<5	32	<5	5	260
106	KW11001-256	0.8	0.49	55	248	1	<5	0.40	1	18	86	40	3.00	<5	0.22	20	8	0.45	310	5	0.02	75	350	24	0.96	5	3	<10	<5	32	<0.01	<5	52	<5	6	342
107	KW11001-257	0.8	0.46	100	146	1	<5	0.23	<1	19	66	46	3.76	<5	0.24	22	6	0.39	250	2	0.02	76	400	27	1.71	10	3	<10	<5	32	<0.01	<5	36	<5	5	248
108	KW11001-258	0.4	0.41	25	318	1	<5	0.29	1	18	26	38	3.59	<5	0.24	30	4	0.59	400	3	0.02	74	420	21	0.35	<5	4	<10	<5	34	<0.01	<5	36	<5	7	290
109	KW11001-259	0.2	0.46	35	236	1	<5	0.29	<1	16	70	36	2.93	<5	0.24	24	8	0.42	255	3	0.02	57	400	18	0.94	10	3	<10	<5	32	<0.01	<5	38	<5	6	262
110	KW11001-260	0.4	0.65	35	158	<1	<5	0.51	<1	19	52	34	4.02	<5	0.23	22	22	0.55	315	3	0.02	65	400	24	1.64	15	4	<10	<5	34	<0.01	<5	46	<5	7	220
111	KW11001-260S	31.2	0.34	20	256	<1	<5	1.11	<1	9	32	3024	2.48	<5	0.17	8	2	0.14	400	377	0.05	18	390	60	1.03	65	<1	<10	<5	220	<0.01	<5	18	<5	3	54
112	KW11001-261	0.4	0.77	80	196	<1	<5	0.75	<1	17	92	32	3.52	<5	0.23	20	28	0.71	340	3	0.02	58	370	15	1.45	10	3	<10	<5	46	<0.01	<5	40	<5	6	176
113	KW11001-262	0.4	0.77	85	132	<1	<5	0.23	<1	17	112	34	4.27	<5	0.21	18	34	0.52	250	3	0.02	60	380	18	1.99	10	3	<10	<5	28	<0.01	<5	40	<5	5	178
114	KW11001-263	0.6	0.73	50	144	1	<5	0.27	<1	19	68	36	3.92	<5	0.26	20	24	0.41	220	3	0.02	74	370	24	1.99	10	3	<10	<5	36	<0.01	<5	40	<5	6	236
115	KW11001-264	0.2	0.77	45	130	1	<5	0.22	<1	19	56	36	3.84	<5	0.25	24	30	0.38	185	3	0.02	69	390	24	2.09	10	3	<10	<5	40	<0.01	<5	36	<5	5	238

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
121	KW11001-270	0.4	1.05	50	186	<1	<5	0.45	4	18	62	36	3.06	<5	0.24	18	40	0.59	220	5	0.02	67	400	21	1.29	20	3	<10	<5	68	<0.01	<5	60	<5	6	470
122	KW11001-271	0.4	0.98	35	212	1	<5	0.15	3	19	64	40	3.05	<5	0.26	26	40	0.48	205	3	0.02	74	400	27	0.93	5	4	<10	<5	28	<0.01	<5	44	<5	6	392
123	KW11001-272	0.6	0.94	40	114	1	<5	0.14	3	18	64	36	3.87	<5	0.25	24	38	0.43	200	3	0.02	75	360	30	2.06	10	3	<10	<5	24	<0.01	<5	42	<5	6	406
124	KW11001-273	0.2	1.14	25	216	1	<5	0.17	2	17	80	32	3.34	<5	0.22	24	54	0.60	295	3	0.02	53	360	18	0.77	5	3	<10	<5	22	<0.01	<5	44	<5	7	280
125	KW11001-274	0.4	0.48	60	154	1	<5	0.26	3	17	70	36	2.58	<5	0.24	20	8	0.26	235	4	0.02	57	350	18	1.37	5	2	<10	<5	22	<0.01	<5	30	<5	6	442
126	KW11001-275	0.6	0.56	160	134	<1	<5	0.41	<1	7	122	14	4.65	<5	0.20	22	14	0.50	675	1	0.02	6	910	36	1.37	5	4	<10	<5	12	<0.01	<5	22	<5	11	90
127	KW11001-276	<0.2	0.56	25	192	<1	<5	0.39	<1	7	76	10	4.03	<5	0.20	30	14	0.50	710	<1	0.02	5	910	39	0.60	<5	5	<10	<5	14	<0.01	<5	22	<5	12	78
128	KW11001-277	0.2	0.45	20	166	<1	<5	0.28	<1	8	110	10	5.43	<5	0.19	30	8	0.52	990	<1	0.02	4	880	30	1.01	<5	5	<10	<5	14	<0.01	<5	20	<5	13	76
129	KW11001-278	0.4	0.39	50	104	<1	<5	0.39	<1	9	92	8	5.04	<5	0.20	20	4	0.45	1120	<1	0.02	4	840	27	1.91	5	4	<10	<5	14	<0.01	<5	18	<5	10	68
130	KW11001-279	<0.2	0.36	110	94	<1	<5	1.03	<1	5	110	6	3.12	<5	0.22	20	4	0.56	975	<1	0.02	3	540	21	0.99	<5	3	<10	<5	16	<0.01	<5	14	<5	10	56
131	KW11001-280	<0.2	0.39	20	136	<1	<5	0.40	<1	5	84	6	3.38	<5	0.21	26	6	0.46	835	<1	0.02	2	540	27	0.73	<5	3	<10	<5	18	<0.01	<5	18	<5	10	60
132	KW11001-280S	>50	1.16	80	80	<1	5	1.93	<1	12	20	778	3.28	<5	0.15	4	8	0.91	780	759	0.05	9	680	51	0.20	50	2	<10	<5	102	0.12	<5	30	<5	4	92
133	KW11001-280B	<0.2	0.47	<5	172	<1	<5	0.11	<1	4	10	4	1.48	<5	0.36	10	16	0.22	350	1	0.10	<1	180	6	<0.01	<5	4	<10	<5	10	0.10	<5	20	<5	11	20
134	KW11001-281	<0.2	0.44	60	146	<1	<5	0.47	<1	7	130	6	3.72	<5	0.22	24	12	0.44	800	1	0.02	4	500	30	1.37	5	3	<10	<5	18	<0.01	<5	16	<5	10	58
135	KW11001-282	0.4	0.60	60	144	<1	<5	0.69	<1	7	104	6	3.55	<5	0.21	20	28	0.42	750	<1	0.02	4	500	30	1.47	5	3	<10	<5	52	<0.01	<5	16	<5	9	60
136	KW11001-283	<0.2	0.90	25	132	<1	<5	1.10	<1	7	154	6	3.37	<5	0.21	22	58	0.54	745	1	0.02	4	520	30	1.37	<5	3	<10	<5	98	<0.01	<5	14	<5	10	62
137	KW11001-284	<0.2	0.80	60	104	<1	<5	0.81	<1	7	126	6	3.79	<5	0.21	26	48	0.46	745	1	0.02	4	520	33	1.58	5	3	<10	<5	92	<0.01	<5	14	<5	10	56
138	KW11001-285	<0.2	0.80	50	104	<1	<5	0.97	<1	8	188	8	3.69	<5	0.20	26	50	0.48	745	1	0.02	5	520	30	1.76	5	3	<10	<5	88	<0.01	<5	14	<5	11	62
139	KW11001-286	<0.2	0.87	50	96	<1	<5	0.49	<1	7	156	6	3.95	<5	0.20	30	54	0.42	715	<1	0.02	4	520	33	1.42	5	3	<10	<5	44	<0.01	<5	18	<5	12	64
140	KW11001-287	<0.2	0.81	30	110	<1	<5	0.43	<1	5	176	8	3.13	<5	0.21	30	48	0.40	705	1	0.02	5	540	30	0.83	5	3	<10	<5	32	<0.01	<5	16	<5	11	62
141	KW11001-288	<0.2	0.86	65	102	<1	<5	0.70	<1	7	90	6	3.38	<5	0.22	28	52	0.40	650	1	0.02	3	540	30	1.63	5	3	<10	<5	68	<0.01	<5	12	<5	11	64
142	KW11001-289	<0.2	0.86	60	104	<1	<5	0.70	<1	8	102	6	3.18	<5	0.21	28	52	0.37	590	1	0.02	4	540	30	1.62	<5	3	<10	<5	58	<0.01	<5	14	<5	11	64
143	KW11001-290	<0.2	1.14	<5	118	<1	<5	0.15	<1	5	104	6	3.14	<5	0.19	32	80	0.46	680	1	0.02	3	550	30	0.32	<5	3	<10	<5	10	<0.01	<5	20	<5	13	62
144	KW11001-291	<0.2	0.96	10	126	<1	<5	0.17	<1	7	118	8	3.31	<5	0.18	36	66	0.44	755	1	0.02	4	580	30	0.30	<5	3	<10	<5	10	<0.01	<5	14	<5	14	66
145	KW11001-292	<0.2	0.76	30	128	<1	<5	0.18	<1	7	114	6	3.03	<5	0.20	30	40	0.45	655	1	0.02	4	540	27	0.82	<5	3	<10	<5	10	<0.01	<5	14	<5	10	64
146	KW11001-293	0.4	0.38	125	88	<1	<5	0.58	<1	8	112	6	2.88	<5	0.22	18	6	0.38	565	<1	0.01	4	530	24	1.84	5	3	<10	<5	14	<0.01	<5	12	<5	8	64
147	KW11001-294	0.2	0.43	55	114	<1	<5	0.36	<1	7	102	6	3.12	<5	0.23	22	6	0.38	925	<1	0.02	4	520	30	1.11	<5	3	<10	<5	10	<0.01	<5	14	<5	9	72
148	KW11001-295	0.4	0.45	100	68	<1	<5	0.28	<1	11	110	8	3.71	<5	0.24	20	10	0.29	530	<1	0.02	5	540	36	2.55	5	2	<10	<5	10	<0.01	<5	10	<5	9	96
149	KW11001-296	0.2	0.44	105	78	<1	<5	0.35	<1	9	112	8	2.94	<5	0.22	18	10	0.34	570	1	0.01	4	510	27	1.58	5	2	<10	<5	10	<0.01	<5	14	<5	9	62
150	KW11001-297	<0.2	0.52	30	90	<1	<5	0.47	<1	8	90	6	2.92	<5	0.23	18	18	0.35	530	<1	0.02	3	540	27	1.95	<5	2	<10	<5	10	<0.01	<5	14	<5	10	62
151	KW11001-298	<0.2	0.76	20	118	<1	<5	1.36	<1	7	100	6	2.55	<5	0.21	20	40	0.56	775	1	0.02	4	540	27	0.85	<5	2	<10	<5	84	<0.01	<5	14	<5	10	62
152	KW11001-299	<0.2	0.73	15	150	<1	<5	1.90	<1	7	74	4	2.67	<5	0.23	18	36	0.45	780	1	0.02	3	560	30	1.28	<5	2	<10	<5	142	<0.01	<5	12	<5	10	62
153	KW11001-300	<0.2	0.76	15	228	<1	<5	2.83	<1	6	72	6	2.54	<5	0.24	20	32	0.49	860	1	0.02	3	560	27	0.80	<5	2	<10	<5	184	<0.01	<5	12	<5	13	60
154	KW11001-300S	31.0	0.35	20	252	<1	<5	1.20	<1	9	32	3090	2.48	<5	0.17	6	2	0.14	405	381	0.07	19	410	60	1.02	65	<1	<10	<5	222	<0.01	<5	16	<5	4	54
155	KW11001-301	<0.2	0.92	10	208	<1	<5	3.07	<1	6	66	8	2.49	<5	0.23	22	46	0.48	780	1	0.02	3	550	27	0.51	<5	2	<10	<5	224	<0.01	<5	14	<5	13	62
156	KW11001-302	<0.2	1.12	10	170	<1	<5	3.06	<1	7	86	6	2.64	<5	0.22	20	50	0.52	680	<1	0.02	3	550	27	0.61	<5	2	<10	<5	264	<0.01	<5	16	<5	12	60
157	KW11001-303	<0.2	1.04	30	142	<1	<5	3.07	<1	7	78	6	2.79	<5	0.23	16	44	0.54	645	1	0.02	4	560	30	1.30	<5	2	<10	<5	238	<0.01	<5	14	<5	12	56
158	KW11001-304	<0.2	1.07	15	176	<1	<5	3.16	<1	7	64	4	2.62	<5	0.25	18	46	0.54	690	1	0.02	3	560	30	1.09	<5	2	<10	<5	208	<0.01	<5	14	<5	12	58
159	KW11001-305	<0.2	0.90	25	122	<1	<5	2.01	<1	8	70	4	2.77	<5	0.24	16	42	0.45	540	1	0.01	3	550	30	1.63	<5	2	<10	<5	140	<0.01	<5	10	<5	11	56
160	KW11001-306	<0.2	0.83	45	94	<1	<5	0.24	<1	7	104	6	2.60	<5	0.23	20	42	0.39	320	1	0.01	4	560	27	1.											

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
166	KW11001-312	<0.2	1.39	20	122	<1	<5	1.16	<1	7	92	6	2.52	<5	0.20	18	100	0.82	510	1	0.02	4	560	27	0.74	<5	2	<10	<5	80	<0.01	<5	16	<5	9	64
167	KW11001-313	<0.2	1.28	20	84	<1	<5	0.19	<1	9	90	4	2.98	<5	0.21	18	88	0.78	300	1	0.02	5	570	30	1.59	5	2	<10	<5	8	<0.01	<5	12	<5	8	64
168	KW11001-314	<0.2	0.93	90	72	<1	<5	0.36	<1	8	116	4	2.86	<5	0.23	16	50	0.53	270	1	0.02	5	570	30	2.04	5	2	<10	<5	18	<0.01	<5	12	<5	9	58
169	KW11001-315	0.2	1.06	65	80	<1	<5	0.17	<1	7	68	4	2.50	<5	0.21	16	68	0.56	245	<1	0.01	4	590	30	1.43	<5	2	<10	<5	8	<0.01	<5	12	<5	7	64

QC DATA:**Repeat:**

1	KW11001-159	0.4	0.89	40	220	1	5	0.69	<1	16	34	36	1.98	<5	0.23	26	24	0.42	270	10	0.02	69	430	27	0.67	45	3	<10	<5	142	<0.01	<5	48	<5	7	298
10	KW11001-166	0.2	0.86	30	220	<1	5	0.33	<1	14	52	40	2.53	<5	0.20	24	28	0.43	215	11	0.03	75	410	54	0.69	25	3	<10	<5	76	<0.01	<5	76	<5	6	306
19	KW11001-175	<0.2	1.57	30	260	<1	5	0.29	<1	20	58	30	3.81	<5	0.24	28	76	0.75	285	4	0.03	67	460	24	0.66	15	5	<10	<5	36	<0.01	<5	46	<5	6	212
36	KW11001-191	1.4	0.85	55	24	<1	15	0.48	<1	16	82	8	7.31	<5	0.20	14	26	0.42	285	2	0.04	10	520	63	5.97	20	3	<10	<5	66	<0.01	<5	10	<5	8	128
45	KW11001-200	<0.2	0.80	20	194	<1	5	0.19	<1	17	38	34	2.77	<5	0.20	26	30	0.36	195	4	0.03	56	410	18	0.84	10	3	<10	<5	30	<0.01	<5	26	<5	5	216
54	KW11001-207	0.2	1.05	30	80	<1	10	0.35	<1	18	84	34	3.97	<5	0.21	16	44	0.64	210	5	0.03	72	440	24	2.39	10	3	<10	<5	28	<0.01	<5	34	<5	6	214
71	KW11001-223	0.6	0.57	250	124	<1	<5	0.71	<1	13	80	84	1.57	<5	0.24	16	12	0.39	330	3	0.02	39	600	30	1.19	10	3	<10	<5	44	<0.01	<5	14	<5	7	148
80	KW11001-232	1.0	0.43	175	106	<1	5	0.76	<1	13	106	46	1.66	<5	0.24	12	2	0.31	340	6	0.02	36	480	18	1.44	10	2	<10	<5	52	<0.01	<5	16	<5	9	74
91	KW11001-241	0.8	0.48	470	72	1	5	0.68	<1	13	44	52	3.07	<5	0.27	10	2	0.28	245	3	0.02	36	550	15	2.75	15	3	<10	<5	56	<0.01	<5	12	<5	9	72
106	KW11001-256	0.8	0.50	55	254	1	<5	0.39	1	18	84	40	2.86	<5	0.23	20	10	0.46	305	4	0.02	73	360	18	0.96	5	3	<10	<5	32	<0.01	<5	50	<5	5	336
115	KW11001-264	0.2	0.80	45	130	1	<5	0.22	<1	19	58	36	3.82	<5	0.26	26	30	0.38	185	3	0.02	69	400	24	2.08	10	3	<10	<5	40	<0.01	<5	38	<5	6	234
124	KW11001-273	0.2	1.15	25	218	1	<5	0.17	2	16	78	30	3.26	<5	0.23	24	52	0.59	290	3	0.02	52	360	18	0.76	5	3	<10	<5	22	<0.01	<5	44	<5	7	270
141	KW11001-288	<0.2	0.87	65	100	<1	<5	0.73	<1	8	92	4	3.32	<5	0.22	26	54	0.39	675	<1	0.02	4	550	27	1.60	<5	3	<10	<5	66	<0.01	<5	12	<5	11	62
150	KW11001-297	<0.2	0.51	30	88	<1	<5	0.47	<1	8	88	6	2.91	<5	0.23	18	16	0.34	540	<1	0.02	3	550	27	1.91	<5	2	<10	<5	10	<0.01	<5	14	<5	10	62
159	KW11001-305	<0.2	0.90	25	128	<1	<5	2.03	<1	8	70	4	2.75	<5	0.24	18	42	0.43	550	<1	0.02	3	550	27	1.58	<5	2	<10	<5	138	<0.01	<5	10	<5	11	58

Resplit:

1	KW11001-159	0.6	0.95	40	204	1	<5	0.79	<1	16	42	42	2.06	<5	0.23	24	26	0.47	300	10	0.02	68	450	27	0.79	40	3	<10	<5	148	<0.01	<5	48	<5	7	300
36	KW11001-191	1.4	0.81	50	22	<1	20	0.49	<1	15	94	8	7.46	<5	0.18	14	26	0.41	285	2	0.04	10	500	60	6.12	20	4	<10	<5	64	<0.01	<5	10	<5	8	120
71	KW11001-223	0.8	0.55	270	122	<1	<5	0.74	<1	13	82	78	1.59	<5	0.22	16	12	0.40	350	4	0.02	40	610	30	1.17	10	3	<10	<5	44	<0.01	<5	14	<5	7	160
106	KW11001-256	0.8	0.51	55	250	1	<5	0.35	1	18	72	36	2.76	<5	0.24	20	8	0.42	285	4	0.02	76	380	21	1.10	5	3	<10	<5	30	<0.01	<5	48	<5	5	330
141	KW11001-288	<0.2	0.93	60	94	<1	<5	0.77	<1	8	100	6	3.35	<5	0.23	26	54	0.39	700	1	0.02	4	580	27	1.65	<5	3	<10	<5	68	<0.01	<5	12	<5	12	64

Standard:

Pb129a	11.8	0.85	5	66	<1	<5	0.46	61	6	12	1426	1.58	<5	0.11	4	<2	0.69	375	3	0.04	5	420	6309	0.79	15	<1	<10	<5	32	0.05	<5	18	<5	2	>10000
Pb129a	11.2	0.83	5	62	<1	<5	0.44	60	6	12	1440	1.57	<5	0.11	4	<2	0.69	370	3	0.04	5	420	6342	0.79	15	<1	<10	<5	32	0.04	<5	18	<5	2	>10000
Pb129a	11.4	0.81	5	62	<1	<5	0.45	58	6	12	1414	1.55	<5	0.11	4	<2	0.67	365	3	0.03	5	410	6174	0.78	15	<1	<10	<5	32	0.04	<5	18	<5	2	>10000
Pb129a	11.2	0.82	5	66	<1	<5	0.44	59	6	12	1458	1.56	<5	0.11	4	<2	0.68	370	2	0.03	5	420	6225	0.80	15	<1	<10	<5	32	0.05	<5	20	<5	3	9920
Pb129a	12.0	0.82	5	62	<1	<5	0.45	60	6	12	1438	1.61	<5	0.11	4	<2	0.64	370	2	0.03	5	440	6048	0.78	15	<1	<10	<5	30	0.05	<5	18	<5	3	>10000

ICP: Aqua Regia Digest / ICP- AES Finish.

NM/EL

dl/1_8188AS/2_8188BS

XLS/11



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



CERTIFICATE OF ASSAY AW 2011-8189

TerraLogic Exploration Inc.

4-Aug-11

#200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

No. of samples received: 45

Sample Type: Core

Project: KIWI

Shipment #: KW11-003

Submitted by: M. McCuaig

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
1	KW11001-316	0.03	0.001		
2	KW11001-317	<0.03	<0.001		
3	KW11001-318	0.05	0.001		
4	KW11001-319	0.09	0.003		
5	KW11001-320	0.06	0.002		
6	KW11001-320S	3.55	0.104	73.6	2.15
7	KW11001-320B	<0.03	<0.001		
8	KW11001-321	0.09	0.003		
9	KW11001-322	0.03	0.001		
10	KW11001-323	0.03	0.001		
11	KW11001-324	0.07	0.002		
12	KW11001-325	0.08	0.002		
13	KW11001-326	0.05	0.001		
14	KW11001-327	0.05	0.001		
15	KW11001-328	0.03	0.001		
16	KW11001-329	0.05	0.001		
17	KW11001-330	0.03	0.001		
18	KW11001-331	0.03	0.001		
19	KW11001-332	0.04	0.001		
20	KW11001-333	0.04	0.001		
21	KW11001-334	0.04	0.001		
22	KW11001-335	0.03	0.001		
23	KW11001-336	0.10	0.003		
24	KW11001-337	0.05	0.001		
25	KW11001-338	0.05	0.001		
26	KW11001-339	0.06	0.002		
27	KW11001-340	0.03	0.001		



TerraLogic Exploration Inc. AW11-8189

4-Aug-11

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)
28	KW11001-340S	1.41	0.041		
29	KW11001-341	<0.03	<0.001		
30	KW11001-342	0.03	0.001		
31	KW11001-343	<0.03	<0.001		
32	KW11001-344	<0.03	<0.001		
33	KW11001-345	<0.03	<0.001		
34	KW11001-346	0.03	0.001		
35	KW11001-347	0.03	0.001		
36	KW11001-348	0.03	0.001		
37	KW11001-349	<0.03	<0.001		
38	KW11001-350	0.04	0.001		
39	KW11001-351	0.08	0.002		
40	KW11001-352	0.06	0.002		
41	KW11001-353	0.04	0.001		
42	KW11001-354	0.06	0.002		
43	KW11001-355	0.05	0.001		
44	KW11001-356	0.04	0.001		
45	KW11001-357	0.04	0.001		

QC DATA:

Repeat:

1	KW11001-316	0.03	0.001
10	KW11001-323	0.03	0.001
19	KW11001-332	0.04	0.001
23	KW11001-336	0.11	0.003
36	KW11001-348	0.03	0.001

Resplit:

1	KW11001-316	0.04	0.001
36	KW11001-348	0.03	0.001

Standard:

OXi81	1.83	0.053		
OXK79	3.60	0.105		
GBM908-14			304	8.87

FA/AA Finish

NM/EL
XLS/11

ECO TECH LABORATORY LTD.

Norman Monteith
B.C. Certified Assayer

4-Aug-11

Stewart Group
ECO TECH LABORATORY LTD.

10041 Dallas Drive

KAMLOOPS, B.C.

V2C 6T4

www.stewartgroupglobal.com**ICP CERTIFICATE OF ANALYSIS AW 2011-8189****TerraLogic Exploration Inc.**

#200, 44-12th Ave S.

Cranbrook, BC

V1C 2R7

Phone: 250-573-5700

Fax : 250-573-4557

No. of samples received: 45

Sample Type: Core

Project: KIWI**Shipment #: KW11-003**

Submitted by: M. McCuaig

Values in ppm unless otherwise reported

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	KW11001-316	<0.2	1.20	35	136	<1	<5	0.20	<1	7	74	6	2.59	<5	0.25	22	56	0.57	220	<1	0.02	5	530	30	1.28	<5	2	<10	<5	8	<0.01	<5	12	<5	8	78
2	KW11001-317	<0.2	1.46	35	150	<1	<5	0.18	<1	7	66	4	2.84	<5	0.25	22	72	0.64	260	1	0.02	6	580	33	1.22	<5	2	<10	<5	10	<0.01	<5	14	<5	8	82
3	KW11001-318	0.6	3.19	130	58	1	<5	2.51	<1	10	86	14	3.58	<5	1.10	18	48	0.73	340	3	0.03	13	880	36	2.66	10	6	<10	<5	52	<0.01	<5	38	<5	20	112
4	KW11001-319	0.6	0.63	210	60	<1	<5	1.43	<1	6	124	8	4.59	<5	0.25	12	8	0.66	390	<1	0.02	10	400	27	3.98	5	3	<10	<5	36	<0.01	<5	8	<5	8	58
5	KW11001-320	1.0	1.03	155	50	<1	<5	1.20	<1	10	88	10	2.90	<5	0.37	10	14	0.52	290	3	0.02	14	1430	33	2.43	<5	4	<10	<5	88	<0.01	<5	20	<5	9	92
6	KW11001-320S	>50	1.24	80	88	<1	<5	1.93	<1	12	16	762	3.21	<5	0.15	4	8	0.91	780	764	0.05	10	650	45	0.21	40	2	<10	<5	102	0.12	<5	30	<5	4	98
7	KW11001-320B	<0.2	0.50	<5	168	<1	<5	0.13	<1	4	8	4	1.47	<5	0.32	10	14	0.22	330	1	0.10	1	170	6	<0.01	<5	4	<10	<5	10	0.10	<5	14	<5	11	22
8	KW11001-321	0.4	0.50	220	92	<1	<5	0.93	<1	7	104	6	3.32	<5	0.20	12	10	0.45	265	<1	0.02	8	570	21	2.94	5	3	<10	<5	44	<0.01	<5	6	<5	6	50
9	KW11001-322	0.6	0.94	160	136	<1	<5	0.73	<1	12	66	22	2.59	<5	0.27	14	28	0.64	220	2	0.02	23	1210	30	2.02	5	3	<10	<5	80	<0.01	<5	24	<5	7	94
10	KW11001-323	0.6	1.03	100	132	<1	<5	1.23	<1	9	60	14	2.90	<5	0.30	14	32	0.97	440	2	0.02	14	860	21	2.32	5	4	<10	<5	62	<0.01	<5	22	<5	8	62
11	KW11001-324	1.2	0.66	205	38	<1	<5	0.30	<1	9	106	8	8.05	<5	0.22	10	22	0.45	160	1	0.03	5	630	33	6.53	10	2	<10	<5	40	<0.01	<5	10	<5	5	42
12	KW11001-325	1.0	0.56	290	44	<1	<5	0.63	<1	9	86	6	6.85	<5	0.22	10	14	0.34	195	1	0.02	4	540	30	5.86	10	2	<10	<5	48	<0.01	<5	6	<5	6	32
13	KW11001-326	0.6	0.69	265	76	<1	<5	1.74	<1	8	68	20	3.67	<5	0.22	10	22	0.66	425	2	0.02	7	730	24	3.39	5	3	<10	<5	80	<0.01	<5	8	<5	8	34
14	KW11001-327	1.0	0.47	195	54	<1	<5	1.20	<1	8	104	6	4.59	<5	0.20	12	8	0.50	325	1	0.02	8	570	33	4.17	10	2	<10	<5	42	<0.01	<5	6	<5	7	58
15	KW11001-328	0.2	0.44	75	128	<1	<5	1.81	<1	6	100	4	2.10	<5	0.20	16	8	0.69	495	<1	0.01	4	480	12	1.68	<5	3	<10	<5	48	<0.01	<5	6	<5	8	64
16	KW11001-329	1.6	0.34	120	34	<1	<5	0.62	<1	6	114	6	7.45	<5	0.18	10	4	0.24	175	<1	0.02	5	350	33	6.43	10	2	<10	<5	20	<0.01	<5	4	<5	5	66
17	KW11001-330	0.2	0.41	85	106	<1	<5	0.70	<1	6	96	4	2.00	<5	0.20	16	10	0.34	175	<1	0.01	3	370	15	1.71	<5	2	<10	<5	20	<0.01	<5	6	<5	6	62
18	KW11001-331	0.6	0.41	90	74	<1	<5	1.95	<1	7	108	6	3.93	<5	0.18	10	8	0.79	570	<1	0.02	4	420	21	3.54	5	2	<10	<5	52	<0.01	<5	6	<5	8	74
19	KW11001-332	0.4	0.39	120	94	<1	<5	1.31	<1	6	84	6	2.72	<5	0.20	12	6	0.52	430	<1	0.01	4	450	15	2.34	<5	2	<10	<5	32	<0.01	<5	6	<5	8	84
20	KW11001-333	0.6	0.33	195	70	<1	<5	0.97	<1	7	98	6	3.77	<5	0.20	12	2	0.36	355	<1	0.02	5	440	24	3.49	5	2	<10	<5	32	<0.01	<5	4	<5	7	40
21	KW11001-334	1.0	0.30	180	68	<1	<5	0.79	<1	6	102	6	3.79	<5	0.18	10	<2	0.29	235	<1	0.02	8	420	21	3.55	5	1	<10	<5	22	<0.01	<5	4	<5	6	4
22	KW11001-335	0.8	0.40	150	100	<1	<5	1.51	<1	6	112	6	3.63	<5	0.22	10	4	0.58	480	<1	0.02	10	510	18	3.30	5	2	<10	<5	36	<0.01	<5	6	<5	9	12
23	KW11001-336	5.0	0.59	305	12	<1	<5	0.91	<1	8	82	30	>10	<5	0.18	4	20	0.52	405	2	0.05	32	860	69	>10	30	2	<10	<5	32	<0.01	<5	16	<5	8	12
24	KW11001-337	1.4	0.54	195	74	<1	<5	3.97	<1	7	66	26	6.55	<5	0.20	6	12	1.63	1595	1	0.03	17	750	21	5.91	10	2	<10	<5	56	<0.01	<5	18	<5	14	18
25	KW11001-338	3.2	0.79	260	24	<1	<5	2.05	<1	14	74	24	>10	<5	0.22	4	16	0.84	795	3	0.03	46	1280	54	8.75	30	4	<10	<5	52	<0.01	<5	32	<5	11	116
26	KW11001-339	2.8	0.60	205	32	<1	<5	2.44	<1	8	70	20	>10	<5	0.18	6	12	1.03	1245	1	0.04	21	650	39	>10	15	3	<10	<5	40	<0.01	<5	16	<5	11	30
27	KW11001-340	0.2	0.84	50	138	<1	<5	1.21	<1	7	70	6	2.41	<5	0.25	22	34	0.58	295	<1	0.02	5	440	21	2.05	5	3	<10	<5	72	<0.01	<5	8	<5	7	88
28	KW11001-340S	30.4	0.39	20	232	<1	<5	1.20	<1	9	28	3062	2.60	<5	0.15	8	2	0.15	385	402	0.05	18	370	60	1.02	60	<1	<10	<5	226	<0.01	<5	14	<5	4	54
29	KW11001-341	<0.2	0.73	15	130	<1	<5	1.21	<1	6	82	4	1.92	<5	0.20	22	34	0.60	320	1	0.01	4	380	15	1.44	<5	2	<10	<5	52	<0.01	<5	8	<5	7	84
30	KW11001-342	0.4	0.58	25	76	<1	<5	1.68	<1	7	98	6	4.38	<5	0.20	14	22	0.69	500	<1	0.02	6	390	27	3.87	10	3	<10	<5	50	<0.01	<5	8	<5	8	76

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	KW11001-343	0.2	0.78	20	154	<1	<5	2.21	<1	6	82	6	2.04	<5	0.20	24	38	0.80	770	<1	0.01	5	560	15	1.11	<5	3	<10	<5	78	<0.01	<5	8	<5	12	70
32	KW11001-344	<0.2	0.96	20	134	<1	<5	1.93	<1	6	78	6	2.21	<5	0.20	22	58	0.64	470	<1	0.01	4	520	15	1.32	<5	2	<10	<5	94	<0.01	<5	10	<5	9	74
33	KW11001-345	<0.2	1.14	15	144	<1	<5	1.91	<1	7	92	6	2.60	<5	0.20	24	72	0.73	555	1	0.02	4	440	18	0.94	<5	3	<10	<5	86	<0.01	<5	10	<5	11	100
34	KW11001-346	0.2	0.99	80	114	<1	<5	2.48	<1	8	74	6	3.29	<5	0.20	20	54	0.69	635	<1	0.02	4	570	21	1.78	5	3	<10	<5	108	<0.01	<5	12	<5	11	74
35	KW11001-347	0.4	1.13	35	150	<1	<5	0.84	<1	7	96	6	2.81	<5	0.20	28	66	0.57	455	1	0.01	4	500	18	0.98	<5	2	<10	<5	42	<0.01	<5	10	<5	9	66
36	KW11001-348	0.2	0.94	95	116	<1	<5	1.14	<1	7	68	6	3.01	<5	0.20	26	54	0.61	405	<1	0.02	6	510	24	1.84	<5	2	<10	<5	58	<0.01	<5	6	<5	10	68
37	KW11001-349	0.4	1.27	90	164	1	<5	3.07	<1	12	42	70	3.11	<5	0.25	30	58	0.92	650	3	0.02	25	1430	27	1.35	5	3	<10	<5	162	<0.01	<5	28	<5	15	164
38	KW11001-350	0.4	1.11	225	104	<1	<5	1.94	<1	7	66	6	3.21	<5	0.22	28	60	0.79	520	1	0.02	6	550	27	1.81	<5	2	<10	<5	108	<0.01	<5	10	<5	14	74
39	KW11001-351	0.4	0.66	545	50	<1	<5	0.58	<1	9	52	6	4.34	<5	0.22	26	24	0.29	165	<1	0.02	8	700	27	3.66	5	2	<10	<5	36	<0.01	<5	6	<5	11	70
40	KW11001-352	0.4	1.03	315	104	<1	<5	1.38	<1	7	66	4	3.47	<5	0.20	28	56	0.67	390	1	0.02	5	540	27	2.28	<5	2	<10	<5	84	<0.01	<5	10	<5	13	64
41	KW11001-353	0.2	0.96	310	88	<1	<5	1.28	<1	6	66	4	3.44	<5	0.20	28	54	0.67	465	1	0.02	4	550	27	2.49	<5	2	<10	<5	74	<0.01	<5	8	<5	12	70
42	KW11001-354	0.2	0.65	225	56	<1	<5	1.12	<1	8	90	6	4.62	<5	0.20	24	28	0.43	350	<1	0.02	4	610	33	4.16	10	2	<10	<5	60	<0.01	<5	6	<5	12	56
43	KW11001-355	0.4	0.90	210	84	<1	<5	1.35	<1	10	62	4	3.92	<5	0.20	26	46	0.61	380	<1	0.02	4	490	33	2.86	5	2	<10	<5	88	<0.01	<5	8	<5	11	64
44	KW11001-356	0.4	1.20	205	124	<1	<5	1.73	<1	9	76	6	3.65	<5	0.20	26	68	0.80	525	1	0.02	4	520	36	2.09	<5	2	<10	<5	132	<0.01	<5	10	<5	12	70
45	KW11001-357	0.2	1.23	305	100	<1	<5	1.51	<1	6	60	4	3.07	<5	0.20	32	66	0.82	520	1	0.02	3	540	27	1.08	5	3	<10	<5	102	<0.01	<5	16	<5	12	68

QC DATA:**Repeat:**

1	KW11001-316	0.2	1.19	40	140	<1	<5	0.20	<1	7	76	4	2.62	<5	0.25	22	56	0.56	215	1	0.02	5	530	30	1.33	<5	2	<10	<5	8	<0.01	<5	12	<5	8	76
10	KW11001-323	0.4	1.10	105	128	<1	<5	1.32	<1	10	64	16	3.05	<5	0.32	14	36	1.04	465	2	0.02	13	910	24	2.45	5	4	<10	<5	64	<0.01	<5	24	<5	9	62
19	KW11001-332	0.4	0.40	120	100	<1	<5	1.32	<1	6	86	6	2.76	<5	0.20	14	6	0.52	435	<1	0.02	4	450	15	2.36	<5	2	<10	<5	32	<0.01	<5	6	<5	9	90
36	KW11001-348	<0.2	0.92	85	122	<1	<5	1.12	<1	6	66	4	2.91	<5	0.20	24	52	0.59	390	<1	0.02	6	500	21	1.79	<5	2	<10	<5	58	<0.01	<5	6	<5	9	70

Resplit:

1	KW11001-316	0.2	1.12	40	128	<1	<5	0.20	<1	8	76	6	2.62	<5	0.25	22	54	0.54	205	<1	0.02	5	520	30	1.42	<5	2	<10	<5	8	<0.01	<5	12	<5	8	78
36	KW11001-348	<0.2	0.94	90	122	<1	<5	1.17	<1	7	74	6	3.04	<5	0.20	26	52	0.61	400	<1	0.02	6	510	21	1.90	<5	2	<10	<5	60	<0.01	<5	6	<5	10	66

Standard:

Pb129a	11.6	0.85	<5	72	<1	<5	0.46	55	6	10	1420	1.62	<5	0.10	4	<2	0.70	340	2	0.03	5	410	6123	0.81	15	<1	<10	<5	32	0.05	<5	18	<5	2	>10000
Pb129a	11.6	0.85	<5	70	<1	<5	0.49	56	6	10	1446	1.62	<5	0.10	4	<2	0.71	340	2	0.03	5	410	6192	0.80	15	<1	<10	<5	30	0.05	<5	16	<5	2	>10000

ICP: Aqua Regia Digest / ICP- AES Finish.

NM/EL
dl/1_8175BS
XLS/11


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

Appendix 5.3 - Table of Intersections

DDH	Sample Number From	Sample Number To	From(m)	To(m)	Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Sb ppm	Bi ppm	W ppm	Hg ppm	Fe %	S %
KW11001	KW11001-059	KW11001-063	61.00	66.00	28	1.1	442	39	22	289	66	15	31	3	3	3	2.96	2.39
KW11001	KW11001-129	KW11001-150	125.00	146.30	21	0.4	136	51	28	123	45	12	28	3	3	3	3.39	2.03
KW11001	KW11001-164	KW11001-164	158.00	159.00	150	0.4	20	38	27	258	71	17	15	10	3	3	3.75	0.67
KW11001	KW11001-171	KW11001-171	165.00	166.00	130	0.2	25	34	21	204	68	19	10	10	3	3	4.00	1.31
KW11001	KW11001-178	KW11001-178	172.00	173.00	110	1.2	55	32	30	188	79	18	25	15	5	5	6.36	5.42
KW11001	KW11001-220	KW11001-225	213.00	218.75	49	0.9	340	66	30	136	42	13	19	8	3	3	3.66	3.15
KW11001	KW11001-221	KW11001-225	214.00	218.75	55	0.9	385	72	31	118	38	12	18	8	3	3	3.56	3.00
KW11001	KW11001-234	KW11001-234	226.30	227.08	100	2.4	235	10	27	72	12	8	30	20	5	5	7.79	6.72
KW11001	KW11001-251	KW11001-251	243.00	244.00	30	5.2	140	64	30	202	94	20	20	15	3	3	6.72	3.82
KW11001	KW11001-293	KW11001-293	285.00	286.00	110	0.4	125	6	24	64	4	8	5	5	5	5	2.88	1.84
KW11001	KW11001-296	KW11001-296	288.00	289.00	110	0.2	105	8	27	62	4	9	5	5	5	5	2.94	1.58
KW11001	KW11001-336	KW11001-336	328.30	329.65	100	5.0	305	30	69	12	32	8	30	3	3	3	10.00	10.00
KW11001	KW11001-336	KW11001-338	328.30	331.70	69	3.4	256	26	50	47	32	10	24	3	3	3	9.08	8.49
KW11001	KW11001-351	KW11001-357	344.40	350.52	51	0.3	282	5	30	66	5	8	4	3	3	3	3.80	2.71

APPENDIX VI

Field Geochemistry

Appendix 6.1 - Rock Sample Locations and descriptions

Rock Sample	Geologic Station	Easting	Northing	UTM Zone	Map Unit	Major Rock Type	Minor Rock Type	Color Fresh	Color Weathered	Grain Size	Texture	Major Mineralization	Minor Mineralization	Mineralization Style	Mineralization %	Alteration	Alteration Degree	Sample Description:
MMKWR001	MMKWG001	354057	6943588	09N	ODR	Shale	Vein	grey	black	very fine-fine	veined	Pyrite	Arsenopyrite	DISSEMINATED	1	Silica	4	Quartz stockwork zone. Silicified shale as rip-up clasts within quartz. Crackle brecciated with hairline veinlets < 5 mm. Scordite staining observed on weathered surfaces, and is generally weak. 1-2 % fine grained pyrite disseminated throughout veinlets.
MMKWR002	MMKWG001	354057	6943588	09N	ODR	Shale	Vein	grey	null	very fine-fine	veined	Pyrite	Null	DISSEMINATED	5	Silica	4	Smokey grey, silicified shale. Drusy 1-5 mm quartz veinlets within hand sample. Vfg pyrite disseminated throughout the shale, up to 5 %. Rare 5mm xls of blebby pyrite occur as fracture fill mineralization.
MMKWR003	MMKWG002	354058	6943601	09N	mKgS	Quartz Eye Porphyry		beige	rusty	fine-coarse	porphyritic	Pyrite	Arsenopyrite	DISSEMINATED	0.5	Silica	4	Silicified quartz eye porphyry dike. Silica flooding has overprinted the original porphyritic texture. Vfg arsenopyrite or arsenian pyrite occurs as smokey-steel grey blue blebby blemishes and is associated with silica alteration, up to 0.5 %. Fg euhedral pyrite is observed throughout, up to 1.0%. The o/c is strongly oxidized, and is exposed on the western bank of Kiwi Creek. Representative sample of dike material gathered from oxidized contact zone.
MMKWR004	MMKWG002	354058	6943601	09N	mKgS	Quartz Eye Porphyry		white	beige	fine-coarse	porphyritic	Pyrite	Arsenopyrite	DISSEMINATED	0.5	Silica	4	Silicified quartz eye porphyry dike. Silica flooding has overprinted the original porphyritic texture. Vfg arsenopyrite or arsenian pyrite occurs as smokey-steel grey blue blebby blemishes and is associated with silica alteration, up to 0.5 %. Fg euhedral pyrite is observed throughout, up to 1.0%. The porphyry is lighter in color, and has a bleached appearance in contrast to the oxidized MMKWR003 sample. This may reflect zoning, where the dike contacts are oxidized.