2012 Assessment Report
on
Diamond Drill Hole Compilation, Soil, and Rock Geochemistry

Volume I - Report

on the

Vine Property

Fort Steele Mining Division

NTS Mapsheet 085G05

Center of Work

Nad83 Zone 11N Easting 585298, Northing 5473220

Prepared for:

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By

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Date

July 13, 2012

SUMMARY

The following assessment report highlights results of the 2012 data compilation and exploration programs on the Vine property.

The Vine property covers a northeast-oriented tract of land located immediately north of Moyie Lake, from approximately 7km to 20km southwest of Cranbrook, B.C., and is comprised of 103 contiguous mineral claims totalling approximately 6949 Ha. The Vine Property was initially staked by Cominco Ltd. in the mid 1970's in response to the discovery of boulders containing massive high-grade lead-zinc-silver mineralization. Exploration activities since the intitial discovery led to the discovery of the Vine massive sulphide vein, which displays many similar characteristics with the St. Eugene Deposit located 13 km to the southwest. Historical production from the St. Eugene *is approximately* one million tons with a recovered grade of 10.9 % lead, 2.72 % zinc, 5.5 oz/t silver, and 0.005 oz/t gold.

In January 2012, TerraLogic Exploration Inc. was contracted by PJX Resources Ltd. to compile all historical data from the Vine Property. A total of 72 exploration holes were drilled on the Vine Property over a 17 year period from 1977-1994. Of these 72 holes, 52 were located within the main Vine vein area, and were the focus of the following data compilation project. Diamond drill hole and assay data was compiled and diligently entered into a database. The database was then used to generate cross-sections with the following downhole criteria: lithology, assay data, and significant intersections. The sections have been compiled in preparation for 3-Dimensional modelling of the Vine vein.

Upon compilation, analysis, and review of the data it is clear that the focus of historical work on the property was directed toward evaluating the base metal potential, yielding only a partial understanding of the gold potential. A rigorous evaluation of the Vine vein structure is warranted to fully comprehend the controls on, and distribution of gold mineralization within the system.

In May of 2012 field crews were mobilized to the Vine and Vine Extension Properties to conduct geochemical surveys. A soil geochemical survey was completed to the northeast of the Vine vein trench, on the Vine Extension Tenure, along the trace of the inferred Lower Aldridge Sullivan Horizon (LAHS). Results from the soil survey indicate elevated concentrations of Pb and Zn form a northeast trending linear anomaly 1.7 km long and 0.1 – 0.2 km wide. In addition field crews spent on day mapping and sampling the historic main Vine Vein trench. Chip and Channel samples returned significant base metal +/- gold values which confirm historic results.

The recommendations for future work on the property include:

1) Section 9500, Holes 41, 41W, and 54: Re-logging and sampling of the Vine Structure and Bedded Sulphide Zone at the base of the Footwall Quartzites

2) Drilling of 2-3 diamond drill holes to test the zone of higher gold grade surrounding section 10075. The Vine structure should be sampled in its entirety. Unsampled sections of the Vine structure in some of the historic drill holes can be sampled if results from the drill program are encouraging.

Proposed holes:

DDH_ID	Length (m)	Azimuth	Dip	Easting	Northing
VNPADA1	400	30.00	-65	585700	5472490
VNPADB1	400	30.00	-65	585780	5472492
VNPADC1	425	30.00	-75	585645	5472490

3) Resampling of some key cores surrounding the area of drilling, and in the southern portion surrounding the good gold intercepts: ~10 holes @ 40m/hole, at 1.00m intervals.

Total sampling: 400 samples

4) Continuation of the soil grid to the northeast to further delineate the Lower Aldridge Sullivan Horizon.

Total expenditures by PJX Resources in 2012 on the Vine Property were $34,321.09.

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INTRODUCTION

The following report highlights results of the 2012 exploration program on the Vine property. The Vine property is located between 7 and 20 kilometers southwest of Cranbrook (depending on where on the property you are), British Columbia in the Fort Steele Mining Division. It has been the subject of exploration activities since the discovery of boulders containing massive high-grade lead-zinc-silver mineralization in the mid-1970's. Ensuing exploration activities led to the discovery of the Vine massive sulphide vein, which displays many similar characteristics with the St. Eugene Deposit located 13 km to the southwest. Historical production from the St. Eugene *is approximately* one million tons with a recovered grade of 10.9 % lead, 2.72 % zinc, 5.5 oz/t silver, and 0.005 oz/t gold.

Location and Access and Physiography

The Vine property covers a northeast-oriented tract of land located immediately north of Moyie Lake, from approximately 7 to 20km southwest of Cranbrook, B.C., on reference N.T.S. Mapsheet 082G05 (Fig. 1). The property is centered on the following UTM coordinates: Nad83 Zone 11N Easting 585298, Northing 5473220.

Access is via Highway 3/95 south from Cranbrook for approximately 24 kilometers then turning onto the Hidden Valley road which takes you to the Vine property.

The Vine property is situated north of Moyie Lake within the Moyie Range of the Purcell Mountains. Topography varies from gentle valley bottoms and rounded ridges to steep, rocky mountain slopes. Elevations range from 940m to 1390m. Nearby mountain peaks reach elevations of 2100m.

Forest cover is generally a mixture of spruce, larch, fir, and pine with lesser cedar and hemlock. Portions of the property have been logged and are in various stages of regeneration.

Tenure

The Vine Property consists of 19 contiguous mineral claims totaling approximately 648 Ha. Three of the 19 claims are 100% owned by PJX Resources Ltd totaling 189 Ha, the remaining 16 claims comprising the Vine Property are currently under option by PJX from Spirit Gold Incorporated totaling 459 Ha. The Vine Extension Property consists of 84 contiguous mineral claims totalling approximately 6301 Ha. All of the 84 claims comprising the Vein Extension Property are currently under option by PJX from Klondike Gold Corporation. (Refer to Figure 2 – Tenure Map)

On September 14, 2010, PJX Resources Inc. entered into an Option Agreement (the "Cranbrook Properties Agreement") with Ruby Red Resources Inc. (now SG Spirit Gold Inc.) ("SG"), whereby PJX may earn up to an 80% interest in 4 mineral properties owned by SG in the Cranbrook area of southeastern British Columbia. The 4 properties are the Dewdney Trail gold property, the Zinger gold property, the Eddy gold property, and the Vine polymetallic (gold-silver-lead-zinc-copper) property (the "Cranbrook Properties"). PJX can earn an 80% interest by completing a series of cash payments totalling $215,000 and work commitments totalling $2.5 million over a four year period. Once vested, PJX may earn up to 100% interest, subject to a 2% NSR with a buyback of 1% should SG decide not to participate in funding joint venture exploration programs.

On April 26, 2012 PJX entered into the Vine Extension Option Agreement (the "Agreement") with Klondike Gold Corp. ("KG"). Under the terms of the Agreement, PJX can earn a 50% interest in KG's 6,300 ha property by completing $1.5 million in work, with at least $1 million of the $1.5 million spent on drilling, and make share payments to a maximum total of 200,000 common shares over a 5 year period. Once vested, PJX may earn up to 100% interest, subject to a 2% NSR with a buyback of 1% should KG decide not to participate in funding joint venture exploration programs.

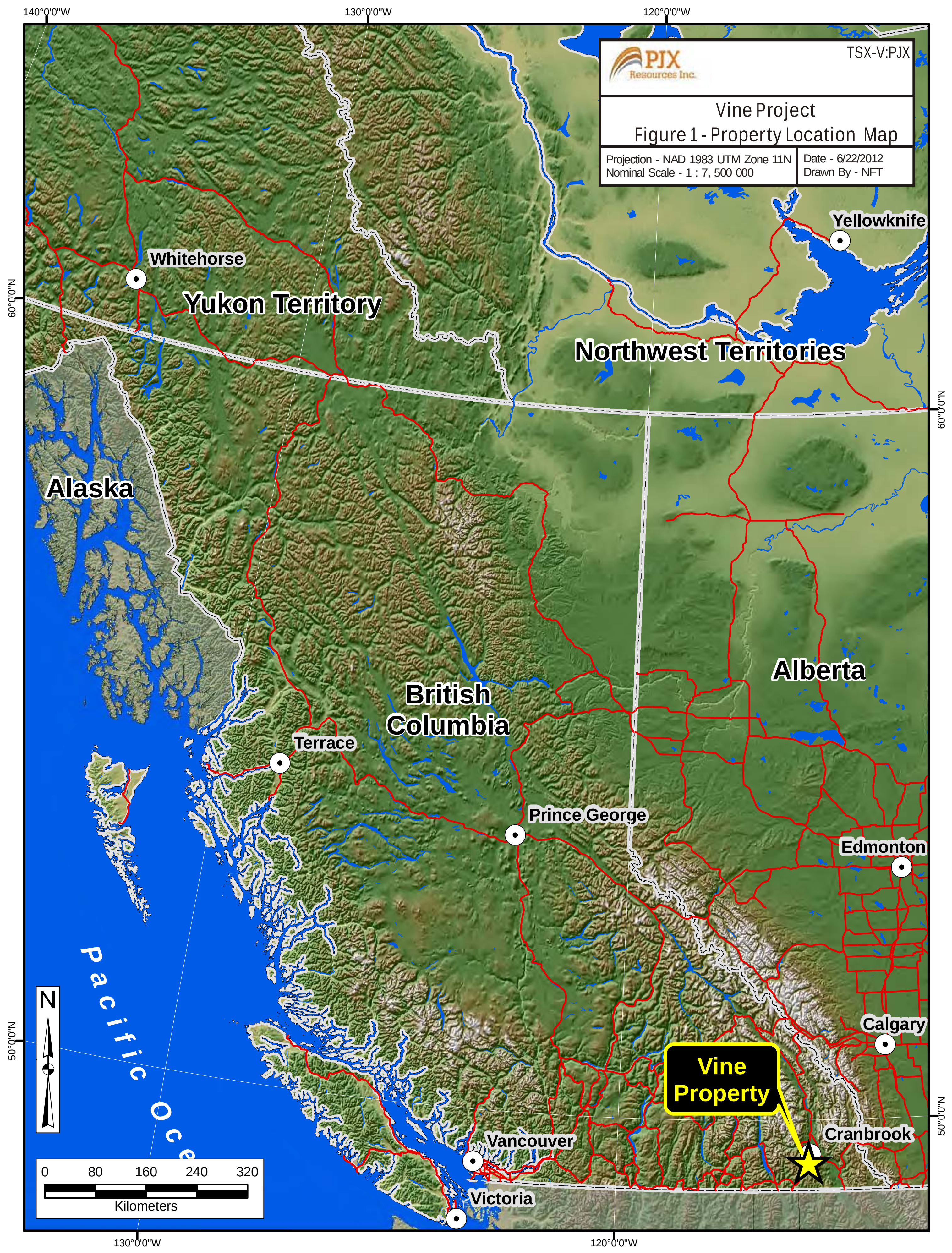
Claim information is as follows:

Table 1 – Tenure Summary

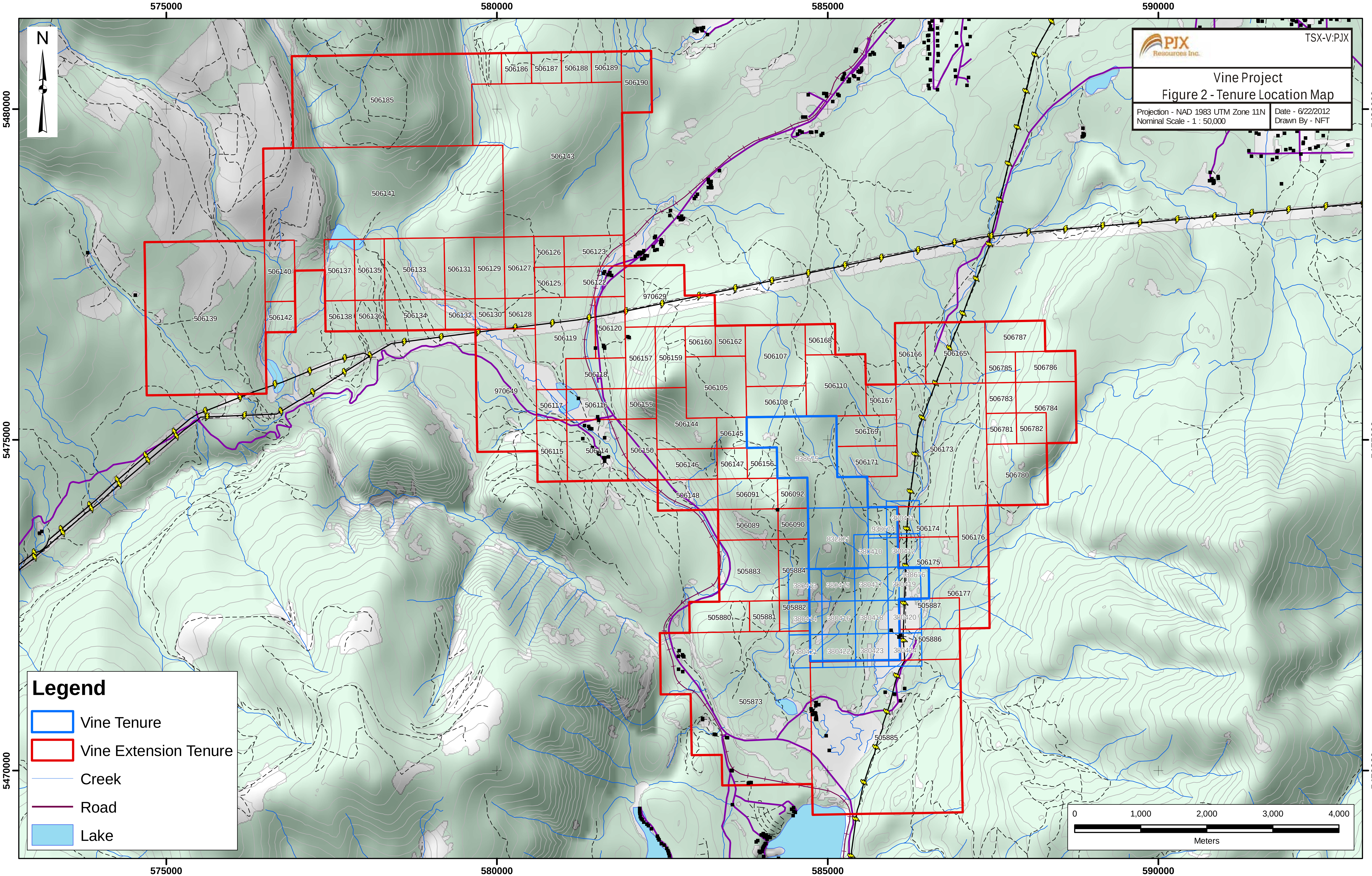
Property	Tenure Number	Claim Name	Owner Name	Owner	Issue Date	Good To Date	Area (ha)
Vine	938674		PJX	256589 (100%)	2011/dec/23	2012/dec/23	21.0201
Vine	938675		PJX	256589 (100%)	2011/dec/23	2012/dec/23	147.1078
Vine	938676		PJX	256589 (100%)	2011/dec/23	2012/dec/23	21.0235
Vine	380410	VP 6	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380411	VP 7	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380412	VP 8	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380413	VP 9	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380414	VP 10	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380415	VP 11	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380416	VP 12	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380417	VP 13	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380418	VP 14	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380419	VP 15	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380420	VP 16	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380421	VP 17	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380422	VP 18	SG	145300 (100%)	2000/sep/04	2019/nov/01	25

Property	Tenure Number	Claim Name	Owner Name	Owner	Issue Date	Good To Date	Area (ha)
Vine	380423	VP 19	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	380424	VP 20	SG	145300 (100%)	2000/sep/04	2019/nov/01	25
Vine	832821	VINENW	SG	145300 (100%)	2010/sep/05	2019/nov/01	84.0848
Vine Ext	505873		KG	100809 (100%)	2005/feb/04	2012/sep/05	434.882
Vine Ext	505880		KG	100809 (100%)	2005/feb/04	2012/sep/05	42.052
Vine Ext	505881		KG	100809 (100%)	2005/feb/04	2012/sep/05	21.026
Vine Ext	505882		KG	100809 (100%)	2005/feb/04	2012/sep/05	21.026
Vine Ext	505883		KG	100809 (100%)	2005/feb/04	2012/sep/05	84.093
Vine Ext	505884		KG	100809 (100%)	2005/feb/04	2012/sep/05	42.046
Vine Ext	505885		KG	100809 (100%)	2005/feb/04	2012/sep/05	509.463
Vine Ext	505886		KG	100809 (100%)	2005/feb/04	2012/sep/05	42.054
Vine Ext	505887		KG	100809 (100%)	2005/feb/04	2012/sep/05	42.05
Vine Ext	506089		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.041
Vine Ext	506090		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.02
Vine Ext	506091		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.038
Vine Ext	506092		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.019
Vine Ext	506105		KG	100809 (100%)	2005/feb/07	2012/sep/05	84.044
Vine Ext	506107		KG	100809 (100%)	2005/feb/07	2012/sep/05	84.036
Vine Ext	506108		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.023
Vine Ext	506110		KG	100809 (100%)	2005/feb/07	2012/sep/05	84.043
Vine Ext	506114		KG	100809 (100%)	2005/feb/07	2012/sep/05	84.059
Vine Ext	506115		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.03
Vine Ext	506116		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.024
Vine Ext	506117		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.012
Vine Ext	506118		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.021
Vine Ext	506119		KG	100809 (100%)	2005/feb/07	2012/sep/05	105.042
Vine Ext	506120		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.016
Vine Ext	506122		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.011
Vine Ext	506123		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.007
Vine Ext	506125		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.005
Vine Ext	506126		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.004
Vine Ext	506127		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.009
Vine Ext	506128		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.007
Vine Ext	506129		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.009
Vine Ext	506130		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.007
Vine Ext	506131		KG	100809 (100%)	2005/feb/07	2012/sep/05	42.009
Vine Ext	506132		KG	100809 (100%)	2005/feb/07	2012/sep/05	21.007
Vine Ext	506133		KG	100809 (100%)	2005/feb/07	2012/sep/05	84.019
Vine Ext	506134		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.014
Vine Ext	506135		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.009
Vine Ext	506136		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.007
Vine Ext	506137		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.009
Vine Ext	506138		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.007
Vine Ext	506139		KG	100809 (100%)	2005/feb/07	2012/nov/19	420.137
Vine Ext	506140		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.009
Vine Ext	506141		KG	100809 (100%)	2005/feb/07	2012/nov/30	525.013

Property	Tenure Number	Claim Name	Owner Name	Owner	Issue Date	Good To Date	Area (ha)
Vine Ext	506142		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.007
Vine Ext	506143		KG	100809 (100%)	2005/feb/07	2012/nov/20	461.962
Vine Ext	506144		KG	100809 (100%)	2005/feb/07	2012/nov/20	63.04
Vine Ext	506145		KG	100809 (100%)	2005/feb/07	2012/nov/20	21.014
Vine Ext	506146		KG	100809 (100%)	2005/feb/07	2012/nov/20	42.031
Vine Ext	506147		KG	100809 (100%)	2005/feb/07	2012/nov/20	21.015
Vine Ext	506148		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.038
Vine Ext	506150		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.029
Vine Ext	506155		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.012
Vine Ext	506156		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.015
Vine Ext	506157		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.019
Vine Ext	506159		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.019
Vine Ext	506160		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.009
Vine Ext	506162		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.009
Vine Ext	506165		KG	100809 (100%)	2005/feb/07	2012/nov/19	84.037
Vine Ext	506166		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.018
Vine Ext	506167		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.012
Vine Ext	506168		KG	100809 (100%)	2005/feb/07	2012/nov/19	21.008
Vine Ext	506169		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.027
Vine Ext	506171		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.031
Vine Ext	506173		KG	100809 (100%)	2005/feb/07	2012/nov/19	273.198
Vine Ext	506174		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.04
Vine Ext	506175		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.043
Vine Ext	506176		KG	100809 (100%)	2005/feb/07	2012/nov/19	42.041
Vine Ext	506177		KG	100809 (100%)	2005/feb/07	2012/nov/19	63.072
Vine Ext	506185		KG	100809 (100%)	2005/feb/07	2012/nov/19	398.91
Vine Ext	506186		KG	100809 (100%)	2005/feb/07	2012/nov/19	20.993
Vine Ext	506187		KG	100809 (100%)	2005/feb/07	2012/nov/19	20.993
Vine Ext	506188		KG	100809 (100%)	2005/feb/07	2012/nov/19	20.993
Vine Ext	506189		KG	100809 (100%)	2005/feb/07	2012/nov/19	20.993
Vine Ext	506190		KG	100809 (100%)	2005/feb/07	2012/nov/19	41.988
Vine Ext	506780		KG	100809 (100%)	2005/feb/11	2012/nov/19	84.068
Vine Ext	506781		KG	100809 (100%)	2005/feb/11	2012/nov/19	21.014
Vine Ext	506782		KG	100809 (100%)	2005/feb/11	2012/nov/19	21.014
Vine Ext	506783		KG	100809 (100%)	2005/feb/11	2012/nov/19	21.012
Vine Ext	506784		KG	100809 (100%)	2005/feb/11	2012/nov/19	63.04
Vine Ext	506785		KG	100809 (100%)	2005/feb/11	2012/nov/19	21.011
Vine Ext	506786		KG	100809 (100%)	2005/feb/11	2012/nov/19	42.022
Vine Ext	506787		KG	100809 (100%)	2005/feb/11	2012/nov/19	42.018
Vine Ext	970629	LUMB 1	KG	100809 (100%)	2012/mar/23	2013/mar/23	105.031
Vine Ext	970649	LUMB 2	KG	100809 (100%)	2012/mar/23	2013/mar/23	168



PJX Resources Inc.
TSX-V:PJX
Vine Project
Figure 1 - Property Location Map
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 7, 500 000
Date - 6/22/2012
Drawn By - NFT
140°0'0"W
130°0'0"W
120°0'0"W
60°0'0"N
50°0'0"N
Yellowknife
Whitehorse
Yukon Territory
Northwest Territories
Alaska
Alberta
British Columbia
Terrace
Prince George
Edmonton
Calgary
Vine Property
Cranbrook
Vancouver
Victoria
Pacific Oce
N
0
80
160
240
320
Kilometers



PJX Resources Inc.
TSX-V:PJX
Vine Project
Figure 2 - Tenure Location Map
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 50,000
Date - 6/22/2012
Drawn By - NFT
N
Legend
Vine Tenure
Vine Extension Tenure
Creek
Road
Lake
0
1,000
2,000
3,000
4,000
Meters
575000
580000
585000
590000
5480000
5475000
5470000

History and Previous Work

General Mining History (After BJ Price, P.Geo 2012)

Mining history in the Cranbrook area began with discovery of rich placer gold gravels on Wildhorse Creek, (1863), Moyie River, (1874) and Perry Creek, (1874). Hard rock exploration followed, with the discovery of the Sullivan polymetallic massive sulphide deposit in 1892 and the silver-lead-zinc rich St. Eugene vein deposit in 1893. The Sullivan deposit was not recognized as a world-class deposit for many years, and the mineralization of fine-grained base-metal sulphides initially proved troublesome to separate, while the St. Eugene vein paid for all its development in the first year of production. The Sullivan mine, now shown to be a sedimentary exhalative ("SEDEX") deposit, and the St. Eugene mine led to the development of smelting facilities at Trail, B.C., which in turn, encouraged the exploration and development of many smaller mineral deposits in the area, and has provided a genetic and exploration model for these deposits and showings ever since.

Property History (After D.L. Pighin P.Geo, 1996, P. Klewchuk P.Geo, 2008)

The Vine Property was initially staked by Cominco Ltd. in the mid 1970's in response to the discovery of boulders containing massive high-grade lead-zinc-silver mineralization. Exploration activities carried out by Cominco Ltd. led to the discovery of the Vine massive sulphide vein, which displays many similar characteristics with the St. Eugene Deposit located 13 km to the southwest. Historical production from the St. Eugene *is approximately* one million tons with a recovered grade of 10.9 % lead, 2.72 % zinc, 5.5 oz/t silver, and 0.005 oz/t gold.

Cominco Ltd. focused their exploration efforts on determining if the Vine vein could represent remobilized base metal sulphides from a stratiform "Sullivan Type" deposit. Regional drilling by Cominco Ltd. determined that anomalous base metal enrichment is present within a Sullivan-type argillite package, at Sullivan-time on the Vine property. The Vine vein was tested by only a few short diamond drill holes at this time. No conclusive evidence for the source of base metals was determined during the Cominco exploration programs.

In 1989, Kokanee Explorations Ltd. acquired the Vine vein portion from Cominco Ltd., named the Vine Property. Cominco Ltd. retained an option to acquire a possible 60% interest of the property upon completion of a feasibility study by Kokanee Explorations Ltd. From 1989 thru 1991 Kokanee Explorations Ltd. conducted geochemical and geophysical (VLF) surveys, geologic mapping, trenching, and diamond drilling.

The geophysical and geochemical data combined, outlined a linear structure that has been named "The Hagan Fault" which can be traced for over 4 km. Trenching delineated an additional 150 meters of strike length to the Vine vein, providing insight into the relationship between the structure and host rocks. Trenching also confirmed that the structure hosting the Vine vein massive sulphides continues for at least an additional 2 km.

Additional evaluation of the Vine vein by Kokanee Explorations Ltd. resulted in defining the following mineral resource, which is not compliant with NI43-101 regulations.

Proven: 264,000 tons @ 5.20 % lead, 2.24 % zinc, 1.96 oz/t silver, 0.056 oz/t gold

Probable: 337,000 tons @ 4.22 % lead, 2.51 % zinc, 1.16 oz/t silver, 0.050 g/t gold

Kokanee Explorations Ltd. was acquired by Consolidated Ramrod Gold Corporation in 1992. In the years following the acquisition, Consolidated Ramrod Gold Corporation allowed the claims covering the Vine vein to lapse.

In 2000 Supergroup Holdings staked the Vine mineral claims. They were optioned to Ruby Red Resources in 2005.

In August of 2004 a small ground EM geophysics survey (MAX, MIN and VLF-EM) was conducted on selected survey lines covering the Vine Vein and a sub-parallel-trending structure to the northeast. The purpose was to locate the structures below areas of little or no bedrock - exposure and to acquire some geophysical information on the character of the structures, in preparation for diamond drilling. Seven separate lines were surveyed for a total of 3.4 line kms.

In August 2005 a ground VLF-EM geophysics survey was conducted on part of the Vine property, mostly over a previously-mapped northwest-trending fault structure, northeast of the Vine Vein. The purpose, as in 2004, was to locate the structure below areas of little or no bedrock exposure and to acquire some geophysical information on the character of the structure. The southeastern part of the survey area covered both the Vine Vein and the sub-parallel trending fault structure. A series of north-south and east-west lines were surveyed, totaling 15 line kms.

In late 2005, a five-hole diamond drill program was undertaken on the near-surface portion of the Vine vein to test for the possibility of mineralized cross-cutting structures. At the St. Eugene deposits, approximately 13 km south of the Vine vein, two parallel-trending west-northwest fractures control the mineralization, but the bulk of the ore was present in cross-cutting, northeast-striking veins developed between the west-northwest fractures. These northeast-striking sulfide veins at the St. Eugene were called 'avenues'. The Vine vein system also has two parallel striking west-northwest fractures and in surface exposures, thin, sulfide-mineralized cross-cutting fractures are evident. The 2005 drilling program was designed to test for thicker cross-cutting sulfide veins in the immediate sub-surface.

In the spring of 2007 a small soil geochemical survey was conducted over part of the gabbro dike 600 meters northeast of the Vine Vein to determine if any base metal mineralization was present.

The results returned anomalous copper and zinc values, supporting the possibility that the structure hosts vein style base metal mineralization like the Vine Vein.

GEOLOGY

Regional Geology (After BJ Price P.Geo, 2012)

In the Cranbrook area, the Purcell and Rocky Mountain Belt was thrust eastward during Mesozoic and Tertiary times. Major north to northeast-trending faults bound what appears to have been a Proterozoic depositional graben in an extensive clastic basin extending southward into Idaho and Montana in which the Belt-Purcell Supergroup was deposited.

Reactivated (growth) faults may have had an influence on deposition of the numerous stratiform massive sulphide deposits, such as the world class Sullivan deposit and smaller North Star, Stemwinder and Kootenay King deposits in the Cranbrook-Fort Steele area. Later northeast-trending faults such as the Cranbrook and Kimberley faults may have been transform faults which offset "spreading centres" which were the focus of major sedimentary exhalative deposits, were preceded by igneous activity and accompanied by areas of tourmaline and albite alteration.

Stratigraphy

Rocks in the area belong mainly to the Purcell Supergroup of Upper Proterozoic age, although Paleozoic Cambrian to Middle Devonian sedimentary rocks occur farther to the north and to the east. The general regional stratigraphy is shown in the accompanying geology legend, Figure 3b. The stratigraphy of the Aldridge Formation is briefly summarized below.

The Aldridge Formation is a thick unit (3,500-4,500 meters) of quartzites, siltstones and argillites with graded bedding, rip-up clasts, sole marks, and other characteristics of "turbidite" deposition. The Formation is divided into Lower, Middle and Upper divisions. The lower division has a gradational contact with the Fort Steele Formation below, and consists of dark grey to black argillites, siltstones and quartzites (greywackes). The Middle Aldridge, comprises thick grey quartz-wacke units interbedded with laminated siltstone, and intruded by a number of thick, laterally continuous meta-gabbro sills (greenstone). Repetitive laminations in siltstone-argillite sequences can be correlated for up to 300 km along strike, and are important "marker horizons". The Upper Aldridge includes 300-400 meters of rusty weathering grey argillite and laminated siltstone, and in some places two thick shallow-water dolomite horizons.

The Creston Formation, overlying the Upper Aldridge Formation, is a thick unit (1500 meters) of green, purple, and white quartzite, siltstone and argillite of intertidal to sub-aerial depositional origin, characterized by mud-cracks, ripple marks, rip-up clasts, lead casts and scour and fill structures. Contact with the overlying carbonate unit is gradational.

Intrusive Activity

Several large sills of Purcell age are present in the region, but only the largest ones are shown on the accompanying geological map (Figure 3a). These are common in the Aldridge Formations, (but may also be present in stratigraphically higher Proterozoic strata). The "Moyie Sills", predominantly gabbro in composition, have ages identical to the enclosing Aldridge strata (1433 Ma). Hoy (1983) suggests they were emplaced into un-compacted water-saturated sediments. Sulphide accumulations and veins are common adjacent to sill or dyke margins, and the Moyie intrusions are suggested to be part of a thermal/hydrothermal and mineralizing event accompanying rifting in a graben controlled deep clastic basin or graben. A number of sill complexes are present, and rare lamprophyric (minette?) dykes of Cretaceous or Tertiary age also occur.

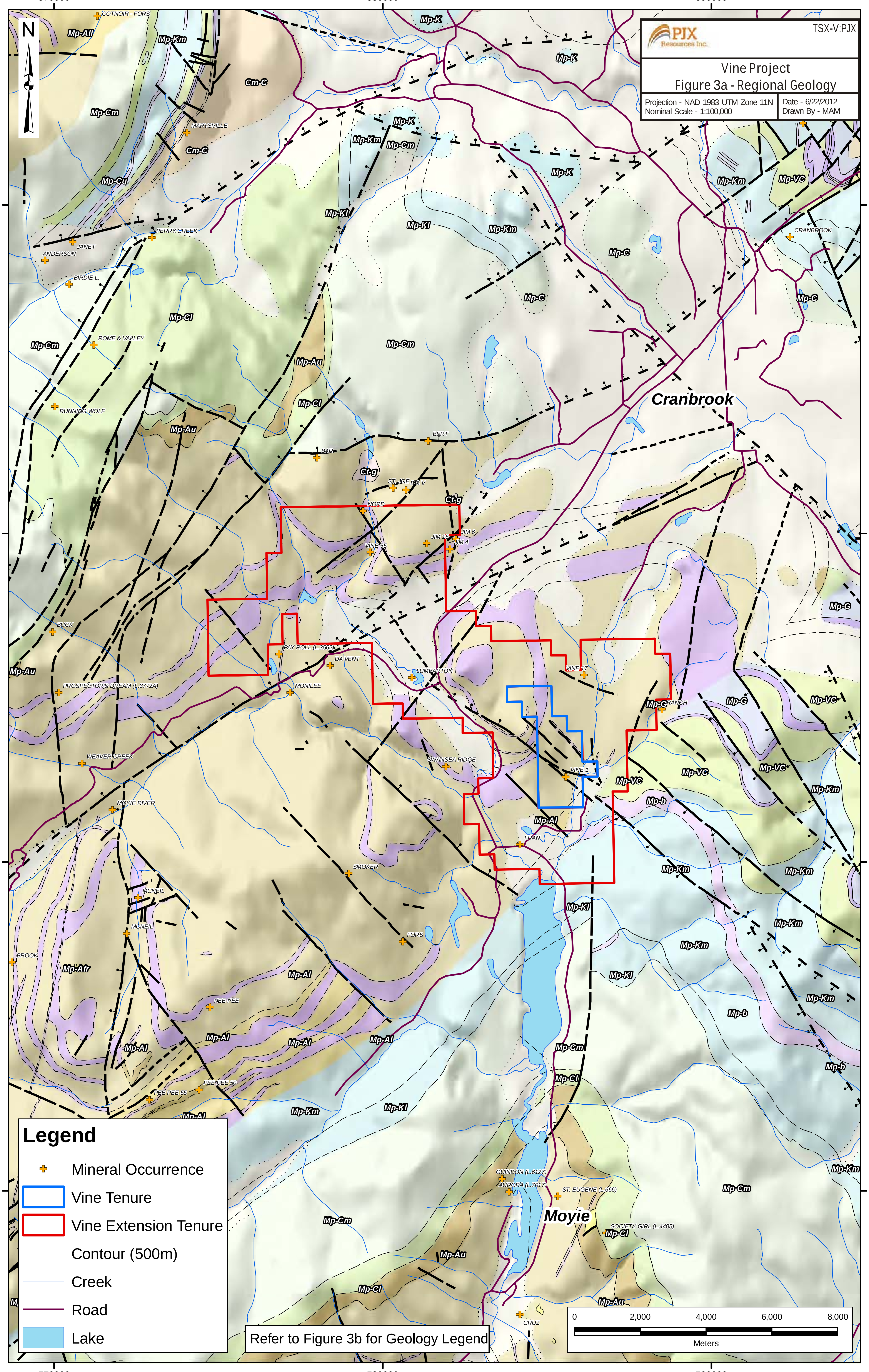
Other intrusive rocks have been mapped in the area; the nearest large intrusions are the Bayonne batholith, situated 55 kilometers northwest of the Vine and a quartz monzonitic stock at Kiakho Creek. Similar stocks occur across the border in Idaho to the southwest. Many of the Mesozoic intrusions are associated with mineral deposits or at least have a spatial relationship with mineral prospects.

Metamorphism

Greenschist facies regional (static) metamorphism has affected the Aldridge Formation but only weak foliation or recrystallization has resulted. Locally more intense thermal metamorphism has resulted in new biotite hornfelsing, particularly close to some of the Moyie Intrusions.

Structure

The property straddles a major fault, the Moyie fault, which is a steeply-dipping thrust fault with a southwest lateral component of movement about 10-15 kilometers. East of the fault, structure consists of a simple broad anticline.



PJX Resources Inc.
TSX-V:PJX
Vine Project
Figure 3a - Regional Geology
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1:100,000
Date - 6/22/2012
Drawn By - MAM
N
570000
580000
590000
5490000
5480000
5470000
5460000
Cranbrook
Moyie
Legend
Mineral Occurrence
Vine Tenure
Vine Extension Tenure
Contour (500m)
Creek
Road
Lake
Refer to Figure 3b for Geology Legend
0
2,000
4,000
6,000
8,000
Meters

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Vine Project

Figure 3b - Regional Geology Legend

Geology

Cm-C	*CRANBROOK FORMATION: Quartzite, limestone, calcite marble, dolomite marble, calc-silicate.*
Cm-E	*EAGER FORMATION: Grey argillite, silty argillite, siltstone; buff weathering, silty limestone; rare bioclastic beds.*
Ct-g	*Massive, fine to medium grained biotite monzogranite*
Dv-Pe	*Peavine Conglomerate Polymictic conglomerate.*
Mp-Afr	*ALDRIDGE FORMATION: Fragmental rocks interpreted as sedimentary debris flows, breccias formed in dewatering pathways, mud volcano debris.*
Mp-Al	*ALDRIDGE FORMATION: LOWER: rusty brown weathering, thin- to medium-bedded, quartz wacke, quartz arenite.*
Mp-Am	*ALDRIDGE FORMATION: MIDDLE grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke, intercalated argillite and siltite,*
Mp-Au	*ALDRIDGE FORMATION: UPPER: rusty brown weathering, grey to dark grey, fissile to platy, laminated silty argillite and siltite.*
Mp-C	*light grey, mauve, or green siltstone and argillite;thin to medium-bedded quartz arenite, quartz wacke; lenticular bedding, ripples,cross-bedding,*
Mp-Cl	*CRESTON FORMATION: LOWER: waxy-green to olive, tan-weathering, thin to thick-bedded to laminated argillite and siltstone; lesser fine-grained quartz wacke.*
Mp-Cm	*CRESTON FORMATION: MIDDLE: light grey, mauve, or purple, thin to medium-bedded quartz arenite; quartz wacke; lesser grey siltstone.*
Mp-G	*GATEWAY FORMATION: Dolomite, quartz wacke, siltstone, argillite.*
Mp-K	*KITCHENER FORMATION: Undivided meta-sedimentary rocks: thin-bedded, brown-weathering dolomitic silt stone and green argillite.*
Mp-Kl	*KITCHENER FORMATION: LOWER: green and beige siltstone, dark grey argillite; dolomitic siltstone.*
Mp-Km	*KITCHENER FORMATION: MIDDLE: commonly buff-weathering dolomitic siltstone, dolomitic argillite, and dolomite; argillite, siltstone, quartzite.*
Mp-M	*MOYIE INTRUSTIONS: “Moyie sills”: dark-green to black, medium to fine-grained gabbro and hornblende quartz diorite sills and dikes.*
Mp-NC	*NICOL CREEK FORMATION: Massive to amygdaloidal basalt to andesite lava flows, volcanic sandstone, siltite.*
Mp-NCs	*NICOL CREEK FORMATION: Volcaniclastic siltstone, fine quartz wacke.*
Mp-VC	*VAN CREEK FORMATION EQUIVALENT:Pale apple green, laminated, sericitic siltstone and argillaceous siltstone; commonly very fine disseminated magnetite.*
Mp-b	*Post-Moyie Instrusions:(nicol creek feeders) Mafic sills and rare dikes hosted in Kitchener Formation. Olive green, massive to plagioclase porphyritic.*
Qt-al	*Unconsolidated sediments: alluvium; colluvium; diamictite*

Geological Contacts

- Contact; Dikes Dash
- Contact_Assumed; Dikes_Dot; Sill Dashed; Sill Dotted
- Contact Defined; Sill Solid
- Contact Quaternary
- Contact Subdivided
- Fault Approximate
- Fault Assumed
- Fault Defined
- Fault Normal Approximate
- Fault Normal Assumed
- Fault_Reverse App; Fault Thrust_Approximate
- Fault_Reverse Assumed; Fault Thrust Ass

Property Geology (After D.L. Pighin P.Geo, 1996, and P. Kewchuk P. Geo, 2008)

The Vine area is underlain by rocks of the Mesoproterozoic Purcell Supergroup which form a large north-plunging anticlinorium. The lowermost member of the Purcell Supergroup is the Aldridge Formation, a thick sequence of fine-grained turbiditie sequence. The Aldridge Formation is overlain by shallow water argillites, siltstones and quartzites of the Creston Formation and these are in turn overlain by carbonate-bearing siltstones and argillites of the Kitchener Formation.

The Moyie Fault is a major transverse fault which strikes northeasterly in the Vine area and crosses the southeast corner of the Vine property. The fault dips steeply northwest and separates lower Middle Aldridge rocks on the northwest from Kitchener Formation rocks on the southeast: an apparent vertical displacement of almost *5000* meters.

The Vine vein strikes west-northwest and dips steeply to the southwest at 70 to 80 degrees. It was traced by Kokanee Explorations Ltd. with geology, geophysics and geochemistry for about 5 km; with trenching for approximately 2 km and with diamond drilling for about 700 m on strike and to a depth of approximately 700 m. The vein structure is known to transect at least 1500 meters of Aldridge stratigraphy. It crosses the lower-middle Aldridge contact (Sullivan Horizon) with base metal concentrations in both middle Aldridge and lower Aldridge rocks.

Geologic mapping on the Vine property identified a sub-parallel trending fault structure northeast of the Vine vein but no detailed work was completed on this structure. A gabbro dike is known to occupy the northwest structure, which is similar to the Vine vein trend.

The Vine Vein structure itself is a southeast-northwest trending, steeply southwest dipping, shear zone filled with gabbro and lamprophyres, as well as polymetallic sulphide veining. Veins are mineralized with pyrrhotite, sphalerite, galena, arsenopyrite, chalcopyrite, pyrite, with variable amounts of Gold, Lead, Zinc, Silver, and Copper. Drilling has been generally oriented at an azimuth of 30 degrees to intersect the Vine Vein Structure at depth.

Mineralization occurs as thin, irregular sulphide veins within the Vine Vein Structure (VNS) itself, as well as fine disseminations and fracture-fill in the gabbro and lamprophyres that are also found within the structure. The Vine Structure, and the sulphide veins within, steepen and also appear to thicken where the structure crosscuts cuts the more competent lithology of the Lower Aldridge Footwall Quartzites (LAFWQ).

2012 Exploration Program

In January/February 2012, TerraLogic Exploration Inc. was contracted by PJX Resources Ltd. to compile all historical data from the Vine Property. The compilation included entering all drill logs and assay data from paper logs, and assay certificates into digital format in a database. The database was then used to generate drill hole sections with the following downhole criteria: lithology, assay data, and significant intersections.

72 Holes were drilled on the Vine property between 1977 and 1994, including holes that were drilled in the main Vine vein area and exploration holes. Of these 72 holes, 52 were located within the main Vine Area and are the focus of this data compilation project. Log and assay data was compiled, the original cross-sections drawn by Dave Pighin were re-created, and data was compiled in preparation for 3D modeling. Refer to Figure 8 Diamond Drill Hole Plan Map, to reference diamond drill holes.

Easting and Northing coordinates of the holes were digitized based on the Drill Hole map drawn by Dave Pighin P.Geo, and elevations were determined using the TRIM data DEM. Refer to Table 2 for a complete list of Diamond Drill Hole Collar Information.

Table 2 – Diamond Drill Hole Collar Information

Hole Number	Length(m)	Azimuth(Deg)	Dip(Deg)	Easting	Northing	Elevation(m)	Core Size
KV89-1	106.10	30.00	-45	585686.997	5472635.86	967.9468483	
KV89-10	119.82	30.00	-60	585891.38	5472645.66	953.916798	
KV89-11	181.40	30.00	-45	585648.264	5472730.95	990.434994	HQ
KV89-12	182.90	30.00	-50	585625.402	5472691.47	992.6004304	HQ
KV89-13	233.80	30.00	-65	585607.451	5472660	996.9373957	HQ
KV89-14	117.99	30.00	-60	585826.887	5472640.8	953.8563623	HQ
KV89-15	157.60	30.00	-70	585826.887	5472640.8	953.8563623	HQ
KV89-2	107.62	30.00	-45	585703.454	5472664.93	966.4146046	
KV89-3	108.80	30.00	-60	585785.743	5472663.84	956.7226552	
KV89-4	172.26	30.00	-60	585758.314	5472614.46	955.762512	
KV89-5	91.16	30.00	-45	585679.6	5472718.5	982.0566817	
KV89-6	121.04	30.00	-45	585658.47	5472678.1	981.8893667	
KV89-7	129.27	30.00	-70	585630.235	5472739.96	995.3804391	
KV89-8	95.73	30.00	-45	585558.55	5472764.86	1010.778236	
KV89-9	210.36	30.00	-65	585469.694	5472779.88	1024.235458	
KV90-16	264.30	30.00	-60	585764.466	5472532.95	951.8920938	HQ
KV90-17	137.80	30.00	-60	586114.762	5472538.59	952.4128723	HQ
KV90-18	215.50	30.00	-65	586091.993	5472496.13	951.4273135	HQ
KV90-19	166.80	30.00	-45	585659.567	5472650.12	979.3014475	HQ
KV90-20	254.50	30.00	-60	586003.994	5472546.59	950.3592938	HQ
KV90-21	167.10	30.00	-70	585710.038	5472641.89	962.5593917	HQ
KV90-22	197.00	30.00	-60	585597.183	5472743.39	1003.575775	HQ

Hole Number	Length(m)	Azimuth(Deg)	Dip(Deg)	Easting	Northing	Elevation(m)	Core Size
KV90-23	425.60	30.00	-60	585425.48	5472600.02	1022.572412	HQ
KV90-24	227.10	30.00	-50	585475.684	5472684.21	1020.121546	HQ
KV90-25	201.80	30.00	-45	585031.26	5473045.07	1153.28716	HQ
KV90-26	281.70	30.00	-65	585547.106	5472655.61	1010.609518	HQ
KV90-27	354.90	30.00	-45	585425.48	5472600.02	1022.572412	HQ
KV90-28	282.90	30.00	-65	585342.987	5472714.7	1048.979717	HQ
KV90-29	357.90	30.00	-75	585764.348	5472533.27	951.8985111	HQ
KV90-30	436.00	30.00	-65	585722.107	5472442.76	950.6971535	HQ
KV90-31	380.20	30.00	-55	585700.166	5472455.25	951.3998578	HQ
KV90-32	385.70	30.00	-59	585700.166	5472455.47	951.4041934	HQ
KV90-33	303.40	30.00	-49	585700.163	5472455.92	951.4129253	HQ
KV90-34	330.80	30.00	-70	585740.759	5472542.05	952.6720887	HQ
KV90-35	309.50	30.00	-68	585706.197	5472528.88	955.4227482	HQ
KV90-36	327.40	30.00	-75	585706.194	5472528.71	955.409682	HQ
KV90-37	457.30	30.00	-75	585681.511	5472493.23	955.8121551	HQ
KV90-38	794.50	30.00	-60	585172.744	5472748.93	1107.837785	HQ
KV90-39	570.40	30.00	-75	585425.48	5472600.02	1022.572412	HQ
KV90-40	570.60	30.00	-75	585600.319	5472548.63	986.5813113	HQ
KV90-41	844.60	30.00	-75	585172.744	5472748.93	1107.837785	HQ
KV90-41W	840.20	30.00	-75	585172.744	5472748.93	1107.837785	
KV90-42	38.00	30.00	-45	585713.082	5472724.08	973.585459	HQ
KV90-43	40.20	30.00	-48.5	585701.492	5472720.64	976.661525	HQ
KV90-44	40.20	30.00	-45	585690.76	5472728.8	980.9592793	HQ
KV90-45	40.50	30.00	-45	585674.019	5472736.53	985.976148	HQ
KV90-46	52.40	30.00	-45	585634.957	5472746.83	994.9987029	HQ
KV90-47	76.20	30.00	-60	585608.343	5472743.39	1000.982627	HQ
KV90-48	59.40	30.00	-60	585589.027	5472749.4	1005.43579	HQ
KV90-49	23.80	30.00	-45	585665.864	5472742.11	988.1980026	HQ
KV90-50	22.30	30.00	-45	585657.278	5472747.69	990.4373619	HQ
KV90-51	20.10	30.00	-45	585645.268	5472747.71	992.8276429	HQ
KV90-52	77.10	30.00	-45	585591.602	5472752.84	1005.11633	HQ
KV90-53	40.20	30.00	-70	585645.259	5472747.69	992.8277628	HQ
KV90-54	53.30	30.00	-70	585706.643	5472711.63	973.3984839	HQ
KV94-57	798.50	30.00	-80	585267.494	5472915.5	1094.167025	NQ
VNPADA1	400.00	30.00	-65	585700	5472490	953	
VNPADB1	400.00	30.00	-65	585780	5472492	947	
VNPADC1	425.00	30.00	-75	585645	5472490	961	

Azimuth, Dip, and Survey data was entered from drill logs: Azimuth and Dip data was located for all holes. 31 holes had downhole survey data noted within the drill log data, and this was compiled into the database in DDH_SURVEY.

Lithological Units were broken down into:

Casing	CSG
Overburden	OVER
Middle Aldridge	MA
Sullivan Horizon	LASH
Mineralized Argillites and Silts	LAMAS
Foot Wall Quartzite	LAFWQ
Lower Aldridge Argillites and Silts	LA
Gabbro	PMI
Lamprophyre	LAMP
Vine Vein Structure	VNS

Units, along with major and minotrr lithologies were entered into the database in the DDH_LITH table.

Major structures were entered into the database in DDH_SHEAR, and included the Hagen Fault (HF), major faults (F), and tectonic breccias (BX). Minor structures were picked out from log where possible and entered into DDH_STRUC. Veins were entered in to DDH_VEIN, and marker units were entered into DDH_MARKER.

The original cross-sections that were drawn on mine grid by Dave Pighin were re-created in Geosoft by plotting all the downhole drill, geological, and assay data that was compiled into the MS Access database. Cross-sections are oriented approximately perpendicular to the Vine Structure, and along the same 30 degree azimuth orientation as the drill holes. Sections 9775 and 10075, and a Long Section (Figures 9a, 9b, and 9c respectively) have been included in the report to illustrate the integration of historic data into the new digital format.

Mineralized sulphide veining within the Vine Structure was historically sampled, and tested for base metals and gold, though not all samples were tested for gold. In total 1742 samples were taken in the main Vine area and tested for Pb-Zn base metals, with only 1230 tested for gold. In addition, gaps in sampling occur through the main Vine Structure since the gabbro was not sampled, even though lower-grade mineralization is often noted on log.

From quick calculation, it appears that within the 52 holes that were entered into the database, a total of 12,762.81m were drilled, and 988.7m were sampled.

- Approximately 1918.33m of drilling intersected the Vine Structure
- 952.00m of the Vine Structure has been sampled
- 966.00m within the Vine structure (in the 52 holes entered) has not been sampled

2012 Exploration Results

In May of 2012, TerraLogic Exploration Inc. executed a reconnaissance geochemical program to assess base-metal potential along the inferred Lower-Middle Aldridge Formation contact, and to assess gold potential within the Vine vein structure. The work was completed by a crew of 14 people over a two day period from May 10th thru May 11th, 2012. The crew was mobilized by 4x4 trucks to the property from Cranbrook, British Columbia. A total of 250 samples were collected on the property: 224 soils from 8 lines totaling 7.05 line kilometers, and 26 rocks comprised of 3 channels, 17 chips, and 6 grabs.

Total expenditures for the 2012 program were $ 34,321.09. The reconnaissance geochemical program was treated by TerraLogic Exploration Inc. as part of training exercises for crews in preparation for 2012 summer programs, therefore we only charged the client for the analytical costs of the samples and report writing costs.

Rock Sampling

A total of 26 rock samples comprised of 3 channels, 17 chips, and 6 grabs were collected in May of 2012. The rock samples were sent to ACME Analytical Laboratories (Vancouver) Ltd. for analysis. A 30 g Lead Collection Fire Assay with AAS finish was used to analyze gold concentrations of the rock samples and a 0.5 g Aqua Regia digestion by ICP-MS was used to determine multi-element geochemistry.

A total of 6 grab samples were collected during two days of reconnaissance mapping and prospecting. One sample, ABVNR010 returned a value of 684 ppb Au or 0.68 g/t Au, 18 g/t silver (Ag), and 1.22 % Pb. Refer to Figure 4 for the grab sample locations.

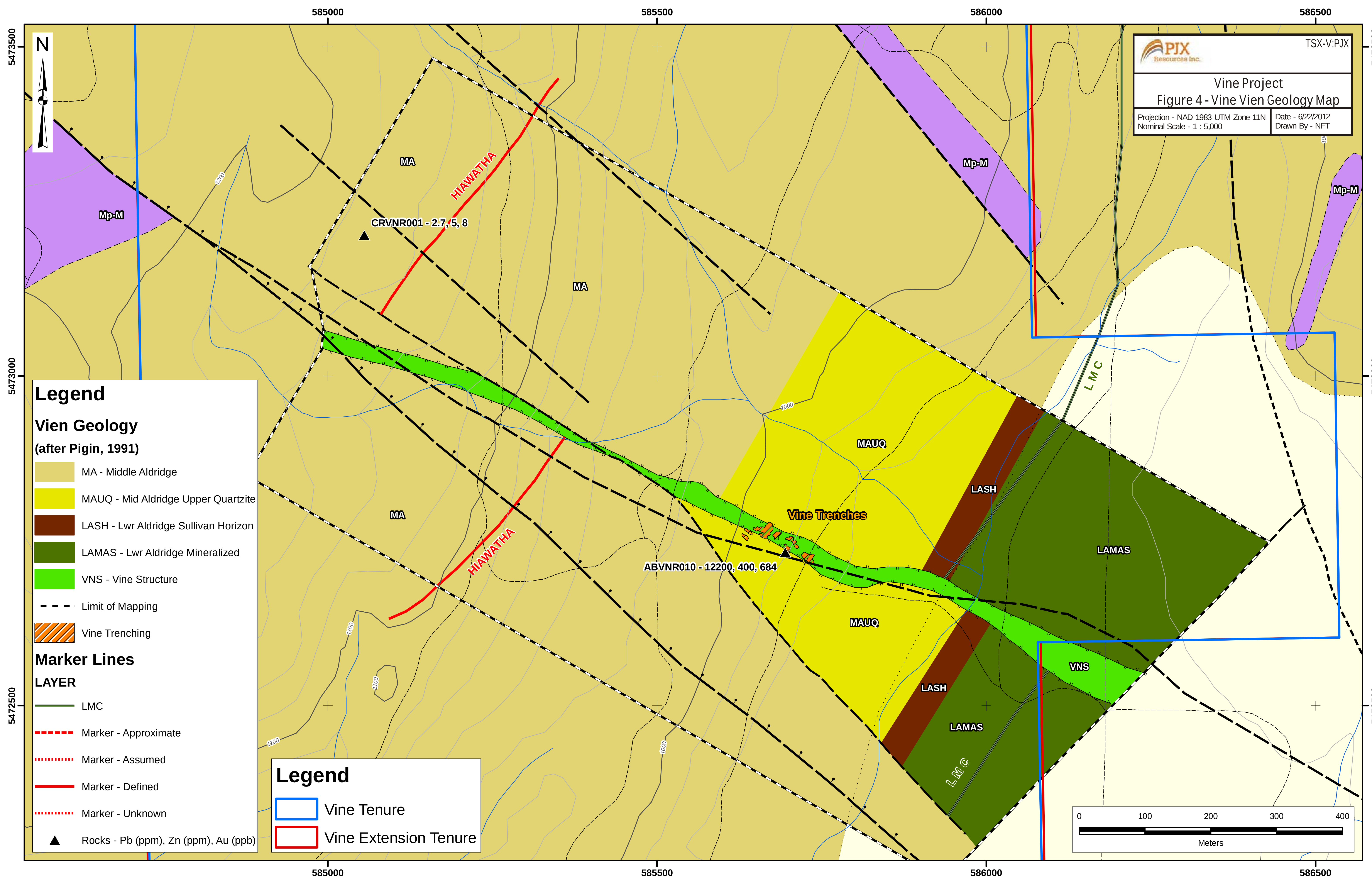
A total of 3 channel samples were obtained from the main Vine vein trench. LJVNR001 – LJVNR004 comprise a 1.70 meter channel sample which returned significant gold and base metal values. LJVNR001 returned values of 3.35 g/t Au, 0.19% Cu, 16.73% Pb, 8.26 % Zn and 212 g/t Ag over a 1.00 meter interval. The composite sample LJVNR001-LJVNR003 returned values of 2.06 g/t Au, 0.11 % Cu, 10.94 % Pb, 4.94 % Zn, and 139 g/t Ag over 1.70 meters. A 1.50 meter chip sample was taken as a shoulder sample to the main mineralization sampled in LJVNR001- LJVNR003. Sample LJVNR004 returned values of 0.07 g/t Au, 0.01 % Cu, 0.20 % Pb, 0.01% Zn, and 2.7 g/t Ag. The composite channel/chip sample LJVNR001 – LJVNR004 returned a value of 1.13 g/t Au, 0.06 % Cu, 5.91 % Pb, 2.63 % Zn, 75 g/t Ag over 3.20 meters.

A total of 17 chip samples were obtained from the main Vine vein trench. Of the 17 samples, 4 returned significant base metal +/- silver values, one of which returned a significant gold value. The samples are summarized as follows: ABVNR007 returned 0.19 g/t Au, 1.27 % Pb, 0.18% Zn, and 13 g/t Ag over 0.65 meters; ABVNR008 returned 1.24 g/t Au, 3.93 % Pb, 0.87 % Zn, and 41 g/t Ag over 0.75 meters; ABVNR007 – ABVNR008 combined returned 0.75 g/t Au, 2.69 % Pb, 0.54 % Zn, and 28 g/t Ag over 1.40 meters. MCVNR005 returned 0.16 g/t Au, 9.85 % Pb, 0.63 % Zn, and 92 g/t Ag over 0.25 meters; MCVNR006 returned 0.04 g/t Au, 1.21 % Pb, 0.45 % Zn, and 14 g/t Ag over 1.10 meters. MCVNR005-MCVNR006 returned 0.06 g/t Au, 2.81 % Pb, 0.48 % Zn, and 28 g/t Ag over 1.35 meters.

Refer to Figure 5 for trench geology and chip/channel sample locations. Refer to Table 3 for Chip/Channel sample results.

Table 3 – Chip/Channel Sample Results

Sample Number	Sample Type	Sample Length (m)	Channel Azimuth (deg)	Cu %	Pb %	Zn %	Ag g/t	Au g/t
ABVNR001	CHIP	0.30	205	0.00	0.00	0.01	0.1	0.00
ABVNR002	CHIP	0.25	205	0.07	0.00	0.01	0.3	0.04
ABVNR003	CHIP	0.20	295	0.02	0.00	0.01	0.1	0.02
ABVNR004	CHIP	1.00	20	0.00	0.01	0.26	0.1	0.01
ABVNR005	CHIP	0.80	20	0.00	0.01	0.23	0.1	0.01
ABVNR006	CHIP	0.40	20	0.01	0.03	0.31	0.4	0.01
ABVNR007	CHIP	0.65	20	0.02	1.27	0.18	13.0	0.19
ABVNR008	CHIP	0.75	20	0.05	3.93	0.87	41.0	1.24
ABVNR007 - ABVNR008	**CHIP**	**1.40**	**20**	**-**	**2.69**	**0.54**	**28.0**	**0.75**
ABVNR009	CHIP	0.60	20	0.01	0.06	0.07	0.7	0.02
LJVNR001	CHANNEL	1.00	24	0.19	16.73	8.26	212.0	3.35
LJVNR002	CHANNEL	0.20	24	0.01	0.20	0.17	2.1	0.06
LJVNR003	CHANNEL	0.50	24	0.02	3.68	0.24	48.0	0.28
LJVNR004	CHIP	1.50	24	0.01	0.20	0.01	2.7	0.08
LJVNR001 - LJVNR004	**CHANNEL/CHIP**	**3.20**	**24**	**0.06**	**5.91**	**2.63**	**75.0**	**1.13**
Including LJVNR001 -LJVNR003	**CHANNEL**	**1.70**	**24**	**0.11**	**10.94**	**4.94**	**139.0**	**2.06**
MCVNR001	CHIP	1.20	95	0.00	0.01	0.07	0.1	0.01
MCVNR002	CHIP	0.80	100	0.00	0.01	0.03	0.2	0.02
MCVNR003	CHIP	0.50	108	0.00	0.09	0.24	1.1	0.02
MCVNR004	CHIP	0.20	58	0.01	0.08	0.23	0.9	0.01
MCVNR005	CHIP	0.25	80	0.03	9.85	0.63	92.0	0.17
MCVNR006	CHIP	1.10	6	0.02	1.21	0.45	14.0	0.04
MCVNR005 - MCVNR006	**CHIP**	**1.35**	**-**	**-**	**2.81**	**0.48**	**28.0**	**0.06**
MCVNR007	CHIP	1.00	38	0.00	0.01	0.06	0.2	0.01



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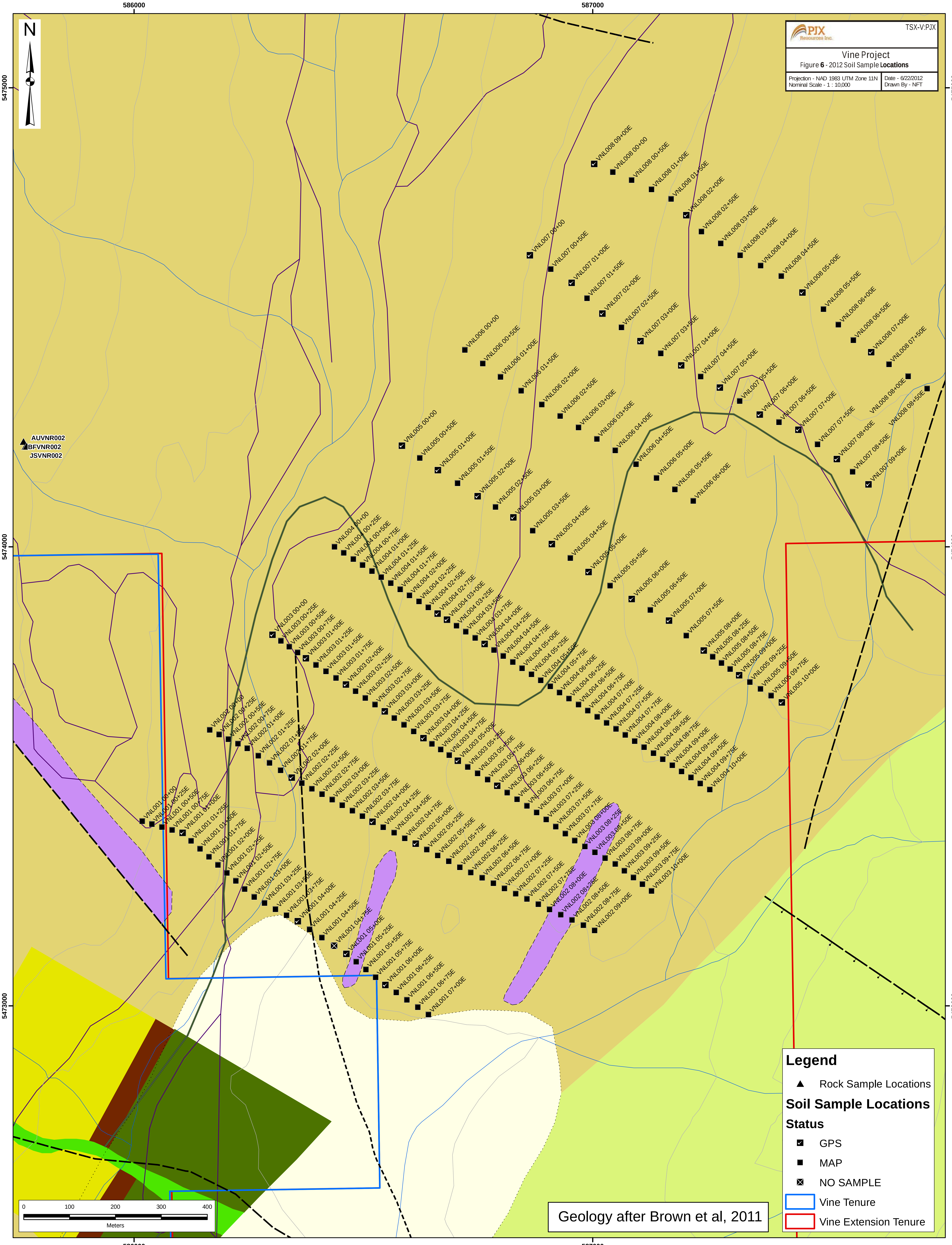
Vine Project
Figure 4 - Vine Vien Geology Map
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 5,000
Date - 6/22/2012
Drawn By - NFT
585000
585500
586000
586500
5473500
5473000
5472500
N
MA
Mp-M
MAUQ
LASH
LAMAS
VNS
LMC
HIAWATHA
CRVNR001 - 2.7, 5, 8
ABVNR010 - 12200, 400, 684
Vine Trenches
Legend
Vien Geology
(after Pigin, 1991)
MA - Middle Aldridge
MAUQ - Mid Aldridge Upper Quartzite
LASH - Lwr Aldridge Sullivan Horizon
LAMAS - Lwr Aldridge Mineralized
VNS - Vine Structure
Limit of Mapping
Vine Trenching
Marker Lines
LAYER
LMC
Marker - Approximate
Marker - Assumed
Marker - Defined
Marker - Unknown
Rocks - Pb (ppm), Zn (ppm), Au (ppb)
Legend
Vine Tenure
Vine Extension Tenure
0
100
200
300
400
Meters

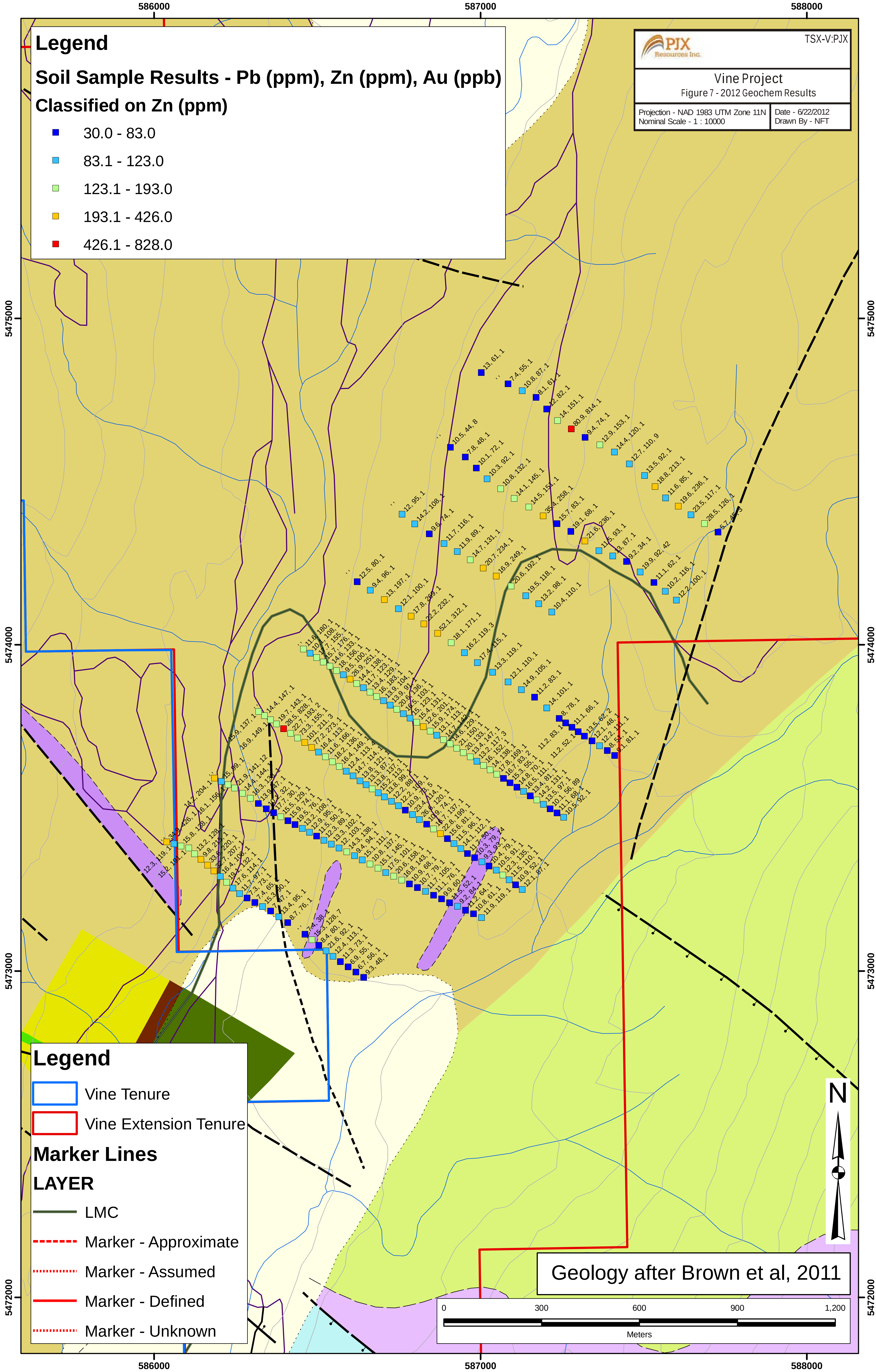
PJX Resources Inc.
TSX-V:PJX
Vine Project
Figure 5 - Chip / Channel Sample Results
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 50
Date - 6/22/2012
Drawn By - NFT
585685
585695
585705
585715
585725
N
MCVNR001
79.5, 657, 11
MCVNR002
148.5, 302, 17
MCVNR007
99.2, 578, 8
MCVNR006
12100, 4500, 38
MCVNR003
943, 2356, 20
MCVNR004
820.8, 2320, 11
MCVNR005
98500, 6300, 168
ABVNR008
39300, 8700, 1244
ABVNR009
561, 683, 17
ABVNR006
311.3, 3067, 14
ABVNR007
12700, 1800, 190
ABVNR004
91.1, 2611, 6
ABVNR005
67.3, 2282, 8
LJVNR003
36800, 2400, 276
LJVNR004
2034.4, 109, 79
LJVNR001
167300, 82600, 3354
LJVNR002
1971.4, 1708, 62
Legend
Rock Samples
Pb ppm, Zn ppm, Au ppb - Themed on Au ppb
< 22.0
22.1 - 79.0
79.1 - 276.0
276.1 - 1244.0
>1244.1
Chip and Channel samples
Pb ppm, Zn ppm, Au ppb - Themed on Au ppb
< 38.0
38.1 - 79.0
79.1 - 276.0
276.1 - 1244.0
> 1244.1
Vine Outcrop
Geology
LAMAS - Lwr Aldridge Mineralized
LASH - Lwr Aldridge Sullivan Horizon
MA - Middle Aldridge
MAUQ - Mid Aldridge Upper Quartzite
VNS - Vine Structure
5
2.5
0
5
Meters

Soil Sampling

A total of 224 soil samples were collected in May of 2012. The soil samples were sent to ACME Analytical Laboratories (Vancouver) Ltd. for analysis. A 30 g fire assay fusion by ICP-ES was used to analyze gold concentrations of the soil samples and a 0.5 g Aqua Regia digestion by ICP-MS analysis was used to determine multi-element geochemistry.

While exploring the Purcell Basin for another Sullivan-type SEDEX deposit, Cominco established geochemical thresholds for anomalous values for both Pb and Zn within the Aldridge Formation. Lead (Pb) and zinc (Zn) are two of the key pathfinder elements used for vectoring “Sullivan Style” base metal mineralization in the Aldridge Formation. The threshold for anomalous Pb is 45 parts per million (ppm), and the threshold for anomalous Zn is 120 ppm (Personal communication, J.K. Riley, C.S. Gallagher, 2012). Adopting these thresholds to filter the geochemical data from the Vine property has outlined a weak-moderate geochemical anomaly which overlies the inferred extension of the LASH. 5 values above 45 ppm Pb occur along the extension of the LASH. 81 values above 120 ppm Zn occur along the extension of the LASH. Refer to Figures 6 for soil sample locations, and 7 for detailed geochemical mapping of Pb, Zn and Au geochemistry.


PJX Resources Inc.
TSX-V:PJX
Vine Project
Figure 6 - 2012 Soil Sample Locations
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 10,000
Date - 6/22/2012
Drawn By - NFT
N
586000
587000
5475000
5474000
5473000
AUVNR002
BFVNR002
JSVNR002
Legend
Rock Sample Locations
Soil Sample Locations
Status
GPS
MAP
NO SAMPLE
Vine Tenure
Vine Extension Tenure
Geology after Brown et al, 2011
0
100
200
300
400
Meters


Legend
Soil Sample Results - Pb (ppm), Zn (ppm), Au (ppb)
Classified on Zn (ppm)
30.0 - 83.0
83.1 - 123.0
123.1 - 193.0
193.1 - 426.0
426.1 - 828.0
PJX Resources Inc.
TSX-V:PJX
Vine Project
Figure 7 - 2012 Geochem Results
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 10000
Date - 6/22/2012
Drawn By - NFT
Legend
Vine Tenure
Vine Extension Tenure
Marker Lines
LAYER
LMC
Marker - Approximate
Marker - Assumed
Marker - Defined
Marker - Unknown
Geology after Brown et al, 2011
0
300
600
900
1,200
Meters
N
586000
587000
588000
5475000
5474000
5473000
5472000

584800
585000
585200
585400
585600
585800
586000
586200
586400
5473200
5473000
5472800
5472600
5472400
N
TSX-V:PJX
Vine Project
Figure 8 - DDH Plan Map
Projection - NAD 1983 UTM Zone 11N
Nominal Scale - 1 : 2,000
Date - 6/22/2012
Drawn By - MAM
MA
MAUQ
VNS
LASH
LAMAS
9775E
10075E
Long
Legend
DDH Location
DDH Trace
DDH Section Line
Limit of Mapping
Vine Trenching
Geology Unit
LAMAS - Lwr Aldridge Mineralized
LASH - Lwr Aldridge Sullivan Horizon
MA - Middle Aldridge
MAUQ - Mid Aldridge Upper Quartzite
VNS - Vine Structure
0
50
100
200
300
400
Meters

HOLES PLOTTED
TOTAL 4
KV90-23 KV90-24 KV90-27 KV90-39
-15 m
+15 m
1000 RL
900 RL
800 RL
700 RL
600 RL
500 RL
400 RL
5472600 N
585450 E
5472650 N
5472700 N
585500 E
5472750 N
5472800 N
5472850 N
585600 E
5472900 N
Middle Aldridge
(MA)
lois
fringe
val
30.81m @ 0.11g/t Au, 3g/t Ag,
0.28% Pb, 0.28% Zn
Sullivan Horizon
(LASH)
36.37m @ 0.15g/t Au, 1g/t Ag,
0.09% Pb, 0.05% Zn
Lower Aldridge Mineralized
Argillites and Siltstones
(LAMAS)
19.79m @ 0.07g/t Au, 0g/t Ag,
0.01% Pb, 0.01% Zn
Lower Aldridge
Footwall Quartzites
(LAFWQ)
43.29m @ 0.39g/t Au, 3g/t Ag,
0.08% Pb, 0.03% Zn
fwq#1
KV90-23
KV90-24
KV90-27
KV90-39
NUMBER BANDS L/R COL RANGE
Au_ppb R 1000 500 200
ROCK CODES PAT LABEL
Unit LAFWQ LAMAS LASH MA OVER VNS
ROCK CODES PAT LABEL
Rock_Type Gabbro Lamprophyre OVER Quartzite Siltstone Vein
ROCK CODES PAT LABEL
Min_Code A M W
ROCK CODES PAT LABEL
DDH_SHR_CODE BX F HF
COMMENTS L/R TEXT
ZnEq_Intersection R --------
VNS_Intersection R --------
Au_Intersection R --------
SECTION SPECS:
REF. PT. E, N 585526 m 5472760 m
EXTENTS 412.3 m 662.5 m
SECTION TOP, BOT 1041 m 378.8 m
TOLERANCE +/- 15 m
SCALE 1 : 1000
(m)
-10 0 10 20 30 40
*North American 1983 / UTM zone 11N
AZIMUTH = 30°
N
E
S
W
PJX Resources Ltd.
Figure 9a
Vine Property
9,775 SECTION

HOLES PLOTTED

TOTAL 9

KV89-14	KV89-15	KV90-16	KV90-29	KV90-31
KV90-32	KV90-33	KV90-34	KV90-37	

VOXEL SLICE: VN_MM_Block_Model_TOT_AU

COL RANGE: 1.211126742, 1.015557231, 0.7944701164, 0.6792847113, 0.5936628296, 0.5091095089, 0.4413974416, 0.3343038752, 0.2568742951, 0.2139948567, 0.1860752735, 0.1446205832, 0.09212409508

NUMBER BANDS: Au_ppb — L/R: R — RANGE: 1000, 500, 200

ROCK CODES — Unit: LA, LAFWQ, LAMAS, LASH, MA, OVER, PMI, VNS, LAMP

ROCK CODES — Rock_Type: Argillite, Gabbro, Lamprophyre, OVER, Quartzite, Siltstone, Vein

ROCK CODES — Min_Code: A, M, W

ROCK CODES — DDH_SHR_CODE: BX, F, HF

COMMENTS	L/R	TEXT
ZnEq_Intersection	R	-------
VNS_Intersection	R	-------
Au_Intersection	R	-------

SECTION SPECS:

REF. PT. E, N	585783 m	5472595 m
EXTENTS	412.3 m	662.5 m
SECTION TOP, BOT	1016 m	353.8 m
TOLERANCE +/-	17.5 m	

SCALE 1 : 1000

(m)

*North American 1983 / UTM zone 11N

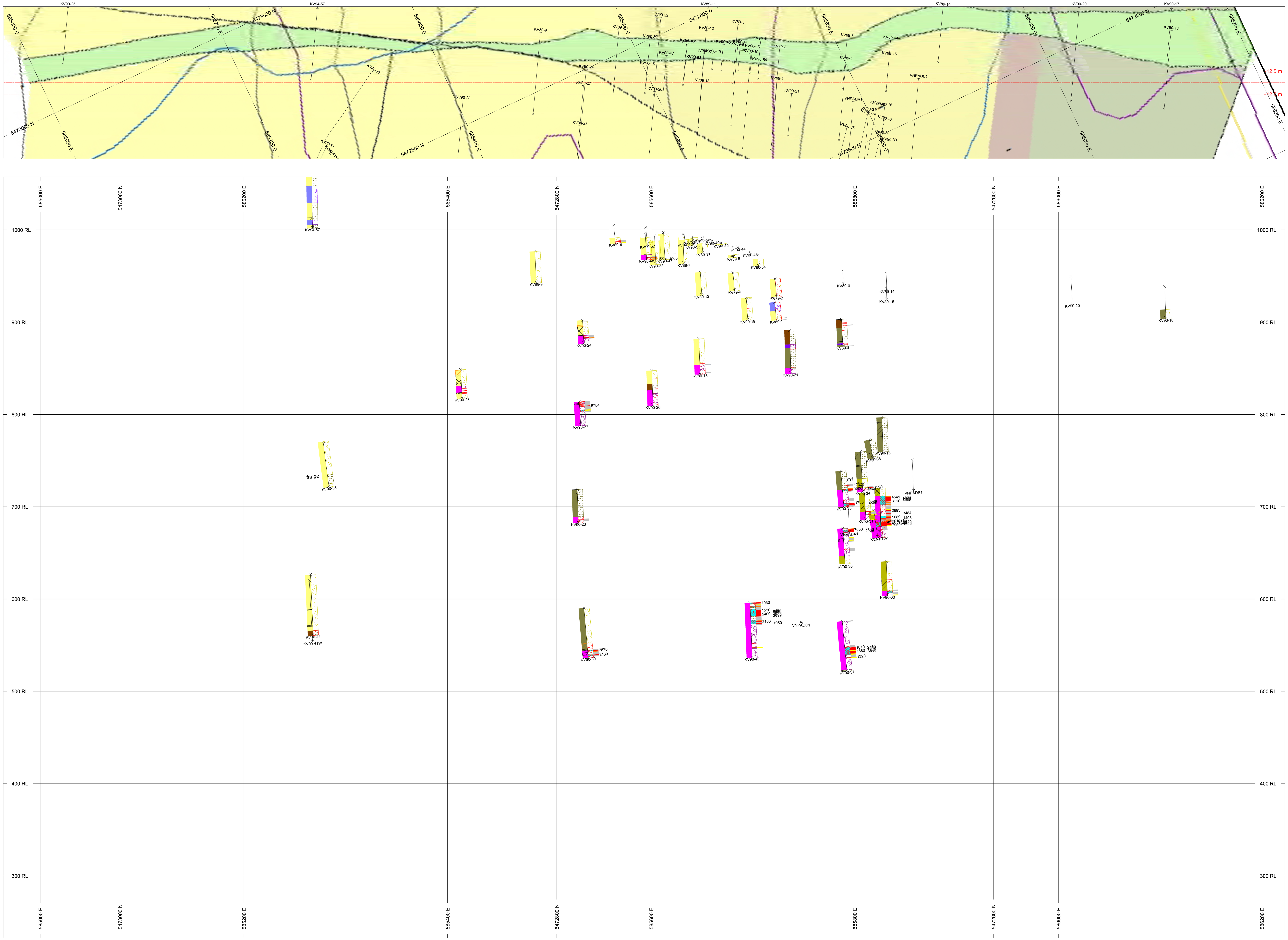
AZIMUTH = 30°

PJX Resources Ltd.

Figure 9b

Vine Property

10,075 SECTION



HOLES PLOTTED

TOTAL 55

KV89-1	KV89-11	KV89-12	KV89-13
KV89-14	KV89-15	KV89-2	KV89-3
KV89-4	KV89-5	KV89-6	KV89-7
KV89-8	KV89-9	KV90-16	KV90-18
KV90-19	KV90-20	KV90-21	KV90-22
KV90-23	KV90-24	KV90-26	KV90-27
KV90-28	KV90-29	KV90-30	KV90-31
KV90-32	KV90-33	KV90-34	KV90-35
KV90-36	KV90-37	KV90-38	KV90-39
KV90-40	KV90-41	KV90-41W	KV90-43
KV90-44	KV90-45	KV90-46	KV90-47
KV90-48	KV90-49	KV90-50	KV90-51
KV90-52	KV90-53	KV90-54	KV94-57
VNPADA1	VNPADB1	VNPADC1	

NUMBER BANDS L/R COL RANGE

Au_ppb R

1000
500
200

ROCK CODES PAT LABEL

Unit

LA
LAFWQ
LAMAS
LASH
MA
OVER
PMI
VNS
LAMP

ROCK CODES PAT LABEL

Rock_Type

Argillite
Gabbro
Lamprophyre
OVER
Quartzite
Siltstone
Vein

ROCK CODES PAT LABEL

Min_Code

A
M
W

ROCK CODES PAT LABEL

DDH_SHR_CODE

BX
F
HF

ASSAYS	L/R	TEXT	RANGE
Au_ppb	R	-------	Min 1000

POSTED TEXT	L/R	TEXT	ITEMS
DDH_MRKR_UNIT	L	-------	All

SECTION SPECS:

REF. PT. E, N	585593 m	5472760 m
EXTENTS	1389 m	824.6 m
SECTION TOP, BOT	1057 m	232.9 m
TOLERANCE +/-	12.5 m	
SWING ANGLE	15°	

SCALE 1 : 1970

(m)

-20 0 20 40 60 80

*North American 1983 / UTM zone 11N

AZIMUTH = 115°

N W E S

PJX Resources Ltd.

Figure 9c

Vine Property

Long Section

Conclusions

Upon compilation of the historical drillhole geochemical data, correlation plots were produced and indicate that gold mineralization does not appear to be directly coincident with base metal mineralization (Table 4) with the exception of arsenic. The bimodal distribution of Au values vs Cu, Pb, Zn, and Ag (Figure 10) are consistent with two different mineralizing events. The focus of historical work on the property was primarily directed toward evaluating the base metal potential, giving only a partial understanding of the gold potential. A rigorous evaluation (spatical analysis of correlation relationships) of the Vine vein structure is warranted to fully understand the controls on, and distribution of gold mineralization within the system.

It was also concluded that there is a relationship between stratigraphy and orientation / thickness of the vine structure. Interpretation of downhole data is consistent with the Vine strucutre steepening and thickening within the Lower Aldridge Footwall Quartzites (LAFWQ). This is likely due to the rheological contrast of the competent quartzites vs overlying argillites and siltstones.

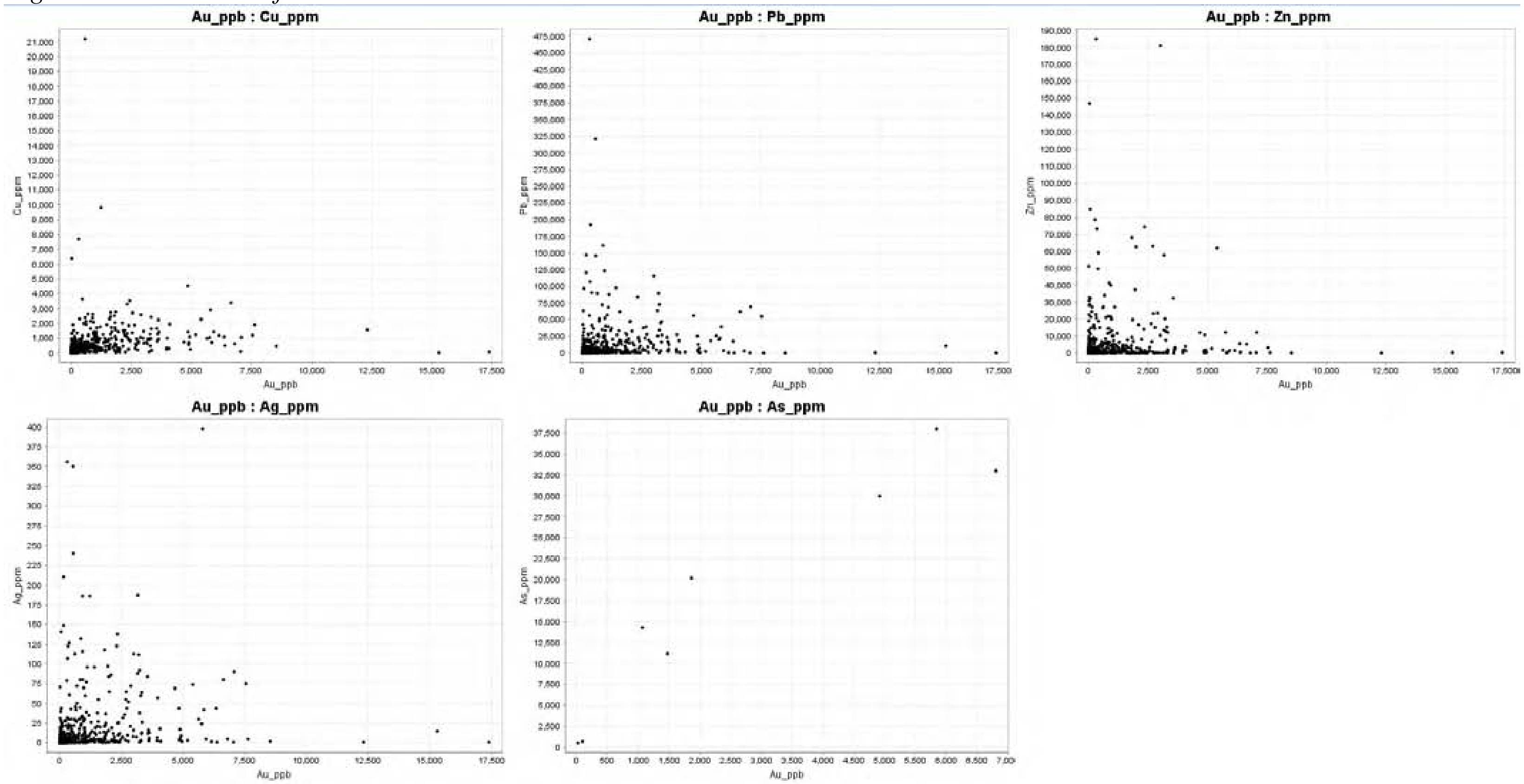
A soil geochemical survey was completed to the northeast of the Vine vein trench, on the Vine Extension Tenure, along the trace of the Lower Aldridge Sullivan Horizon (LAHS). Results from the soil survey indicate elevated concentrations of Pb and Zn form a northeast trending linear anomaly 1.7 km long and 0.1 – 0.2 km wide. The anomaly remains open to the northeast.

Resampling of historic trenches yielded results which confirmed historic grades. Highlights from the chip and channel samples are as follows: LJVNR001 returned values of 3.35 g/t Au, 0.19% Cu, 16.73% Pb, 8.26 % Zn and 212 g/t Ag over 1.00 meters; ABVNR008 returned 1.24 g/t Au, 3.93 % Pb, 0.87 % Zn, and 41 g/t Ag over 0.75 meters; and MCVNR005 returned 0.16 g/t Au, 9.85 % Pb, 0.63 % Zn, and 92 g/t Ag over 0.25 meters.

Table 4 – DDH Geochemical Correlation

Correlation	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	As_ppm	Au_ppb
Cu_ppm	1	0.21	0.15	0.3	0.27	0.28
Pb_ppm	0.21	1	0.54	0.84	0.59	0.18
Zn_ppm	0.15	0.54	1	0.48	0.097	0.13
Ag_ppm	0.3	0.84	0.48	1	0.66	0.27
As_ppm	0.27	0.59	0.097	0.66	1	0.95
Au_ppb	0.28	0.18	0.13	0.27	0.95	1

Figure 10 – XY Plots of DDH Geochemical Data



Recommendations

1) Section 9500, Holes 41, 41W, and 54: Re-logging and sampling of the Vine Structure and Bedded Sulphide Zone at the base of the Footwall Quartzites

2) Drilling of 2-3 diamond drill holes to test the zone of higher gold grade surrounding section 10075. The Vine structure should be sampled in its entirety. Unsampled sections of the Vine structure in some of the historic drill holes can be sampled if results from the drill program are encouraging. Drilling should target the intersection of the Vine structure and the LAFWQ stratigraphy

Proposed holes:

DDH_ID	Length (m)	Azimuth	Dip	Easting	Northing
VNPADA1	400	30.00	-65	585700	5472490
VNPADB1	400	30.00	-65	585780	5472492
VNPADC1	425	30.00	-75	585645	5472490

3) Resampling of some key cores surrounding the area of drilling, and in the southern portion surrounding the good gold intercepts: ~10 holes @ 40m/hole, at 1.00m intervals.

Total sampling: 400 samples

4) Continuation of the soil grid to the northeast to further delineate the Lower Aldridge Sullivan Horizon.

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2012 Assessment Report
on
Diamond Drill Hole Compilation, Soil, and Rock Geochemistry

Volume II - Appendices

on the

Vine Property

Fort Steele Mining Division

NTS Mapsheet 085G05

Center of Work

Nad83 Zone 11N Easting 585298, Northing 5473220

Prepared for:

PJX Resources Ltd.

5600 – 100 King Street West

Toronto, Ontario, M5X 1C9

Canada

By

Chris Gallagher, M.Sc.

TerraLogic Exploration Services Inc.

Suite 200, 44 – 12th Avenue South

Cranbrook, BC, V1C 2R7

Date

July 13, 2012

Appendix I – Statement of Qualifications

I, Christopher S. Gallagher of 616 Nelson Street, in the city of Kimberley in the Province of British Columbia hereby certify that:

1) I am currently employed as Manager of Exploration Technology for TerraLogic Exploration Inc. with a business address: Suite 200 44-12th Ave South, Cranbrook, BC, V1C2R7.

2) I am a graduate of the Carleton University with the degree of Master of Science in Geology (2001).

3) I have never applied for, nor committed conduct preventing designation within the Association of Professional Engineers and Geoscientists of British Columbia.

4) I am a graduate of Carleton University with the degree of Bachelor of Science in Geology (1997).

5) I have practised my profession in North America since 1999, having worked for various Junior Resource Companies and government surveys.

6) This report is based upon a personal examination of all available company and government reports pertinent to the Vine Property, located 10 km South of Cranbrook, BC.

8) I own no Common Shares of PJX Resources Ltd.

Dated this 13th day of July, 2012, in Cranbrook, British Columbia.

Christopher Gallagher, M. Sc.

TerraLogic Exploration Inc.

Appendix II – Statement of Expenditures

Vine Property - 2012					
Data Compilation and Geochemical Surveys					**Totals**
Personnel (Name) / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal**	
Chris Gallagher/GIS Specialist	May 10th	1.00	$725.00	$725.00	
				$725.00	**$725.00**
Office Studies	**List Personnel**	**Days**	**Rate**	**Subtotal**	
Project Management and Report Preparation	Chris Gallagher	3.56	$725.00	$2,581.00	
Database compilation	Fiona Katay	33.71	$550.00	$18,540.50	
Database compilation	Leigh Block	0.26	$330.00	$85.80	
Report preparation	Mike McCuaig	4.5	$525.00	$2,362.50	
Report preparation	Nathan Taylor	3.0	$425.00	$1,275.00	
Report preparation	Aaron Higgs	0.5	$625.00	$312.50	
				$25,157.30	**$25,157.30**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Soil	*224*	224	$25.69	$5,755.32	
Rock	*33*	33	$37.54	$1,238.91	
				$6,994.23	**$6,994.23**
Geological and Geochemical					
Map Plotting				$1,200.00	
				$1,200.00	**$1,200.00**
Equipment Rentals		**No.**	**Rate**	**Subtotal**	
Trimble Geo-Xt - Differential GPS		1.00	$58.00	$58.00	
				$58.00	**$58.00**
TerraLogic Exploration Handling and Adminstration Fees					
				$186.56	**$186.56**
				TOTAL Expenditures	**$34,321.09**

Appendix III – Geochemical Protocol

3.1 – Field Sampling Techniques
3.2 - Analytical Techniques
3.3 - Software

Appendix 3.1 – Geochemistry – Field Sampling Techniques

Field Sampling Techniques

Chip samples are obtained by taking a representative sample chipped perpendicular to the strike of mineralization/veining/controlling structure, and are taken with a chisel. 1.00 meter sample intervals are preferred, and obtained wherever possible. Geologists use their best judgement on measured sample lengths, and record the length, and direction of each sample.

Channel samples are taken using a rock saw, where it is used to cut a "channel" out of the rock. Channel samples are preferred as they are a very accurate representative sample much like a drill core sample. The methodology and systematic approach of channel sampling is identical to that of chip sampling. All employees working around a channel saw wear the correct personal protective equipment (PPE), which includes hearing protection, eye protection, and hand protection.

All chip and channel samples recorded by geologists are also drawn on a map for quick and easy visualization. The map includes all major geologic structures, sample locations, sample lengths, sampling direction, and the corresponding sample number.

When collecting chip and channel samples Quality Assurance/Quality Control (QA/QC) measures are implemented. Standard and blank material samples are inserted into the sample sequence at regular, predetermined intervals. The standard and blank material are treated the same as all other rock samples.

Grab samples are taken directly from outcrop. All Geologists and Geotechnician are instructed to take representative samples, to avoid introducing bias into the sampling procedure.

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 the TerraLogic field house at the end of each day.

All of the data pertaining to each rock sample (chip, channel, grab) is recorded in a field notebook, and also in a hand held computer. At the end of each day the rock data is transferred into a project specific database where it resides.

A representative piece of each sample was often collected and returned to camp for further examination in the event of an interesting or exceptional analytical result.

Conventional soil samples were collected from the B-horizon wherever possible. Soil samples were placed and sealed into brown paper kraft bags. Relevant details pertaining to the soil samples such as location parameters, depth, horizon, quality, were recorded by the sampler in the field on a hand held computer. At the end of each day the soil data is transferred into a project specific database where it resides.

Sample sites were marked in the field with orange arctic-grade flagging tape and an aluminum tag. Both the flagging and the tag have 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 shipped to ACME Analytical Laboratories ltd. Minerals in Vancouver, British Columbia, Canada.

Appendix 3.2 – Geochemistry – Analytical Techniques

GEOCHEMISTRY – ANALYTICAL TECHNIQUES

All samples were sent to ACME Analytical Laboratories Ltd in Vancouver, British Columbia, Canada.. All samples were collected, handled, cataloged and prepared for shipment by TerraLogic Exploration staff. Descriptions of analytical techniques are described below.

AcmeLabs

CARECOMMITMENTPERFORMANCE

METHOD SPECIFICATIONS
GENERAL SAMPLE PREPARATION METHODS

Receiving: Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness.

SOILS

SS80, S230, SSXX Drying and Sieving: Wet or damp soil samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (S230), unless client specifies otherwise (SSXX). Sieves cleaned by brush and compressed air between samples.

SP100, SCP100 Pulverizing: Soils are pulverized to -100 mesh ASTM with an option of using a mild-steel pulverizer (SP100) or a ceramic pulverizer (SCP100), per 100g.

ROCKS AND DRILL CORE

R200-250, R200-500, R200-1000: Rock and Drill Core crushed to 80% passing 10 mesh (2 mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis.

P200, PSCB: Samples requiring pulverizing only are dried at 60°C and pulverized to 85% passing 200 mesh (75 microns), using a mild-steel pulverizer (P200), per 250g or a ceramic pulverizer (PSCB), per 100g.

M150, M200s: Rock and Drill Core are crushed, pulverized and sieved, save +150 and -150 mesh fractions (M150) or +200 and -200 mesh fractions (M200) for metallic Au or Cu analysis. Typically 500g samples are sieved.

HPUL: Rock and Drill Core are pulverized by using a mortar and pestle.

VEGETATION

PM1: Plant material is dried then milled to 1mm

VA475: Up to 0.1 kg of wet vegetation is ashed by heating to 475°C.

WWSH: Plant samples are washed with Type-1 water then dried at 60°C prior to analysis, per 100g.

AcmeLabs
CARECOMMITMENTPERFORMANCE

METHOD SPECIFICATIONS
GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

Package Codes: **1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07**
Sample Digestion: **HNO3-HCl acid digestion**
Instrumentation Method: **ICP-ES (1D), ICP-MS (1DX, 1F)**
Applicability: **Sediment, Soil, Non-mineralized Rock and Drill Core**

Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO3 and DI H2O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
$\mathbf{Pb_{204}}$	-	-	0.01 ppm	10000 ppm
$\mathbf{Pb_{206}}$	-	-	0.01 ppm	10000 ppm
$\mathbf{Pb_{207}}$	-	-	0.01 ppm	10000 ppm
$\mathbf{Pb_{208}}$	-	-	0.01 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

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METHOD SPECIFICATIONS

GROUP 3B AND G6 – PRECIOUS METALS BY FIRE ASSAY FUSION

Package Codes: 3B01 to 3B04, G601 to G614
Sample Digestion: Lead-collection fire assay fusion
Instrumentation Method: ICP-ES (3B, G6), ICP-MS (3B-MS), AA (3B, G6), Gravimetric (G6)
Applicability: Rock, Drill Core

Method Description:

Prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050 ^{o}C liberates Ag ± Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950 ^{o}C to render a Ag ± Au ± PGEs dore bead. The bead is digested for ICP analysis or weighed and parted in ACS grade HNO_3 to dissolve Ag leaving a Au sponge. Au is weighed for Gravimetric determination; ACS grade HCl is added dissolving the Au ± PGE sponge for Instrument determination.

Element	3B Detection	3B Upper Limit	3B-MS Detection	3B-MS Upper Limit
Au	2 ppb	10000 ppb	1 ppb	10000 ppb
Pt	3 ppb	10000 ppb	0.1 ppb	10000 ppb
Pd	2 ppb	10000 ppb	0.5 ppb	10000 ppb

Element	G6 (Inst) Detection	G6 (Inst) Upper Limit	G6 (Grav) Detection	G6 (Grav) Upper Limit
Ag	--	--	50 g/t	1 ton
Au	0.005 g/t	10 g/t	0.17 g/t	1 ton
Pt	0.01 g/t	100 g/t	--	--
Pd	0.01 g/t	100 g/t	--	--

Note:
*Sulphide-rich samples require a 15g or smaller sample for proper fusion.

QUALITY CONTROL: DEFINITIONS AND GUIDELINES FOR INTERPRETATION

Acme Analytical Laboratories core product is analytical data. Therefore Acme has invested heavily into proprietary software and professional staff to ensure we produce the highest quality data. Acme uses a detailed and comprehensive quality system to minimize errors and maximize the reliability of our analytical results. This system applies a tiered approach to the application of quality systems in our laboratories. These tiers are layered in the following manner;

1. ISO 9001 and 17025 documentation, training and standard operating procedures. This forms the framework of the application of each specific method in the laboratory.
2. The use of instrument calibration standards. These solutions are analyzed before any other solutions to establish the factors required to convert raw instrument data into concentration values.
3. QC validation solutions. These solutions are analyzed with client samples to validate each run and to confirm that each analytical run has been performed correctly. These are typically inserted immediately before and immediately after client sample solutions.
4. Reference materials, replicates and blanks. These samples are inserted into randomly assigned positions within each rack as generated by our proprietary LIMS system so that they are analyzed with the client solutions. Their purpose is to provide a final verification of the entire sample handling process. These samples are made up of the following categories:
    - Sample preparation blank;
    - Sample preparation replicate;
    - Analytical blank;
    - Analytical replicate;
    - Certified Reference Material (CRM);
    - Internal Reference Material (IRM).
5. Data review and validation. This is the final layer that is made up of sophisticated proprietary software and professional personnel reviewing the data. The following steps are applied;
    a. Software validation. Proprietary software is used to review the data for specific problems and to perform a series of rational checks upon the data. Data values are flagged and given specific colors, red for fail and amber for warning. Operators must take action on failures and log their actions.
    b. Rack level validation is performed by the instrument operator that analyzed the samples. At Acme, this person is a Chemist or other person with substantial and equivalent experience. This can only occur when the data has passed the software validation. The operator reviews the rack QC and validates the rack of samples if all QC samples pass.
    c. Method level validation. This validation is performed by the senior department Chemist. This review examines all racks analyzed by a specific method. Its purpose is to identify any trends or unusual results that are not apparent when only looking at a single rack of data.
    d. Final Job validation. This is performed by a Certified Assayer or equivalent senior person. This person has access to all the data from multiple analytical methods to check and compare. This is the person that ultimately signs the final certificate.

This document provides a detailed description of Acme's application of Reference materials, Replicates and Blanks.

The Use of Analytical Blanks and Preparation Blanks

Acme uses two types of blanks in the sample analysis stream for drill and rock samples. The first is a preparation blank that is collected from the cleaning sand or rock used between each and every job to clean the crushing and pulverizing equipment prior to starting another client's samples. It also separates different jobs from the same client that may have been separated due to large differences in composition or grade. This blank appears as the first sample in each job, with results reported in the QC section of the certificate under the heading Prep Wash. The analytical results from this blank are used to monitor contamination during the preparation process. The second blank is an analytical blank which is inserted during analysis to monitor reagent contamination and is reported in the QC section of the certificate as BLK.

If the Client chooses to insert blank material, they must be previously certified by a minimum of 4 ISO 9001 accredited laboratories. The nominal maximum value for acceptance will be up to 1% of the preceding sample up to a maximum of 15ppb (preceding sample of 1,500ppb). For preceding samples above this range, additional cleaning rock must be run through equipment prior to these samples and repeat analysis will be at the cost of the client. In some cases, higher rates of contamination can occur. This is typically due to mineral types that contain higher levels of water of hydration (clay minerals). Our operators are trained to recognize this and use cleaning sand between such samples. Since this additional cleaning step carries an added cost, we do our best to contact the client to confirm these actions.

The Use of Replicates

Acme uses analytical and preparation replicates on drill samples to track reproducibility of the analytical and preparation processes. Data for both types of replicates is provided with each certificate at no charge. Replicate precision varies with concentration from 100% or greater error at or near the detection limit for the method, down to the method precision at concentrations greater than 10 times the detection limit.

If clients choose to submit blind replicates please note that replicates on drill samples may not meet the same reproducibility criteria as CRM's/IRM's because the drill samples may not be as homogeneous as an aggressively prepared and mixed standard.

The presence of native gold can also cause serious reproducibility problems. Where the presence of coarse gold is suspected, the parties should discuss more appropriate analytical and preparation techniques that can mitigate these problems.

The Use of Certified Standard Reference Materials (CRM's)

Acme uses CRM's whenever possible to track analytical accuracy and precision for each method. If a CRM is not available or of such high cost that they are not practical, Acme uses internal reference materials (IRM's) that are either synthetically made or certified by performing round robin analyses by several laboratories. If an IRM is used, Acme routinely validates their concentrations using CRM's when they are available.

For concentrations above 10 times the detection limit expected geochemical exploration sample precision is 15% for methods such as 1D and 1E. Ore grade expected precision is 7% at levels greater than 10 times the detection limit for methods such as 7AR and 7TD. Exact precision is method, element and standard quality dependent, so acceptance criteria for individual standard and method combinations are determined on a minimum of 30 replicates measured during the course of routine analyses at a single laboratory. It should be noted that the expected precision for gold in methods such as Group 3 and Group 6 are difficult to predict due to the heterogeneous distribution of gold in many materials.

Client Field Replicates

Field replicate precision is a measure of the sampling process and natural variability within the sample media; they are not suited for determining analytical precision.

Client's Use of Blind or Hidden Internal Standards

Acme encourages and strongly recommends the use of blind client standards and we recognize that their use is an important component of project data evaluation and acceptance. It is Acme's policy to reanalyze any sample batch that contains a failed customer standard, free of charge, under the following conditions;

- The client supplies Acme with the certification documentation for the standard or proof of certification parameters such as, but not limited to; method of analysis, number of participating laboratories, range of data in the round robin.
- Standards must come from an accredited manufacturer such as CANMET, CDN Labs, Ore Research, Rocklabs or WCM. Certification criteria/method of analysis should be considered before determining if a standard is applicable to a method.
- The analytical result falls outside 3 standard deviations of a population of no less than 30 values determined using a single analytical method (good laboratory practice indicates that 1 value between 2 and 3 SD's is acceptable, while 2 consecutive values will call for reanalysis. In the above description, Acme refers to the standard deviation of values determined over the course of these minimum 30 routine analytical measurements at a single lab, and not the value quoted in the certification sheet for the standard. This definition includes error associated with both the analytical technique, as well as error in the certified value, and is therefore a robust measure of a CRMs performance under a particular set of analytical conditions. In addition, individual standard values that fall outside 3 standard deviations but still lie within the certified error of the material will not be considered to have failed QC validation and costs for requested repeat analyses will be borne by client.
- The failed standard is brought to our attention within 90 days of the initial reporting of the analytical results.

If the reanalysis of a batch or rack is requested by the client due to a Standard failure and the only analytical result that changes significantly is the result for the Standard, the client will be charged for the reanalysis of the rack or batch as this indicates heterogeneity of the Standard itself. In addition, if both samples AND standards are unchanged upon reanalysis, the client will bear the cost of said reanalysis.

Some additional considerations should be noted;

- Variability of a standard material is additive to the analytical method error. Therefore, a poorly prepared standard will increase the total standard deviation realized.
- Selection of an appropriate standard that is both mineralogically and compositionally similar to the samples it is to be analyzed with is of critical importance.

    - If the standard has a different matrix then it would not be unusual if the only sample failing the performance criteria is the standard itself.
    - If the standard has a concentration that is not in a useful concentration range, then unexpected results can occur. For instance, if the concentration of the standard is too high, the laboratory may consistently reanalyze this standard under the assumption that the result is highly anomalous and therefore requires another check. This will waste money and time.

Determination of Method Confidence Limits to be Used for Pass/Fail Criteria

When referring to the Standard Certificate, neither the 95% confidence interval nor the standard deviation quoted in the certificate should be used to calculate control limits or to fail a batch of samples. The 95% confidence interval (normally appearing on the front page of a certificate) is a measure of the certainty of the accuracy of the recommended value. It does not relate to the expected precision during routine use. In addition, it does not account for variations controlled by the limitations imposed by a particular digestion method.

The control limits used to determine the passing or failing of batch data should be calculated from the data that is generated by the laboratory itself (see section “Client use of Blind or Hidden Internal Standards” above for details). Each laboratory provides Standards analyzed with each batch, for this purpose.

Whenever possible, the client should discuss their quality program with the laboratory prior to the start of the project. In this way, any difference in interpretation may be discussed and agreed to in advance.

Appendix 3.3 – Software

The following software was used to compile the information provided in the 2012 Assessment Report for the Vine 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 – DDH Data Compilation

4.1.1 - Lithology
4.1.2 - Mineralization
4.1.3 - Structure
4.1.4 - Geochemistry

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-1	0	11.89	OVER	OVER						
KV89-1	11.89	58.5	MA	Quartzite	Argillite					
KV89-1	58.5	79	LAMP	Lamprophyre						
KV89-1	79	97.41	MA	Quartzite	Argillite					
KV89-1	97.41	98.93	VNS	Quartzite						
KV89-1	98.93	102.13	VNS	Gabbro						
KV89-1	102.13	106.1	VNS	Quartzite						
KV89-10	0	40.7	OVER	OVER						
KV89-10	40.7	42.68	LAMAS	Quartzite	Argillite					
KV89-10	42.68	42.96	VNS	Vein						
KV89-10	42.96	70.12	VNS	Gabbro						
KV89-10	70.12	70.58	VNS	Vein						
KV89-10	70.58	71.65	VNS	Vein						
KV89-10	71.65	112.2	LAMAS	Argillite						
KV89-10	112.2	114.48	PMI	Gabbro						
KV89-10	114.48	119.82	LAMAS	Argillite						
KV89-11	0	7.01	OVER	OVER						
KV89-11	7.01	34.76	MA	Quartzite	Siltstone					
KV89-11	34.76	37.2	VNS	Argillite	Siltstone					
KV89-11	37.2	38.41	VNS	Vein						
KV89-11	38.41	42.13	VNS	Gabbro	Lamprophyre					
KV89-11	42.13	42.29	VNS	Vein						
KV89-11	42.29	44.82	VNS	Lamprophyre	Gabbro					
KV89-11	44.82	47.8	VNS	Siltstone	Quartzite					
KV89-11	47.8	48.6	VNS	Lamprophyre						
KV89-11	48.6	61.04	VNS	Gabbro						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-11	61.04	163.9	MA	Quartzite	Siltstone					
KV89-11	163.9	176.8	LASH	Argillite	Siltstone					
KV89-11	176.8	178.4	PMI	Gabbro						
KV89-11	178.4	181.4	LASH	Argillite	Siltstone					
KV89-12	0	15.24	OVER	OVER						
KV89-12	15.24	91.6	MA	Quartzite	Siltstone					
KV89-12	91.6	92.9	VNS	Quartzite						
KV89-12	92.9	93.6	VNS	Vein						
KV89-12	93.6	96	VNS	Gabbro						
KV89-12	96	98.5	VNS	Lamprophyre						
KV89-12	98.5	104.2	VNS	Gabbro						
KV89-12	104.2	104.8	VNS	Vein						
KV89-12	104.8	105.2	VNS	Gabbro						
KV89-12	105.2	105.55	VNS	Vein						
KV89-12	105.55	113.7	VNS	Gabbro						
KV89-12	113.7	157	MA	Quartzite	Siltstone					
KV89-12	157	167	LASH	Argillite	Siltstone					
KV89-12	167	169.4	PMI	Gabbro	Lamprophyre					
KV89-12	169.4	179.4	LASH	Argillite	Siltstone					
KV89-12	179.4	182.9	LAMAS	Quartzite	Siltstone					
KV89-13	0	15.24	OVER	OVER						
KV89-13	15.24	110.4	MA	Quartzite	Siltstone					
KV89-13	110.4	140.2	MA	Quartzite	Argillite					
KV89-13	140.2	154.7	MA	Quartzite	Siltstone					
KV89-13	154.7	155	VNS	Vein						
KV89-13	155	170.3	VNS	Gabbro						
KV89-13	170.3	170.4	VNS	Vein						
KV89-13	170.4	186.1	VNS	Gabbro						
KV89-13	186.1	186.3	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-13	186.3	193.3	VNS	Gabbro						
KV89-13	193.3	193.5	VNS	Vein						
KV89-13	193.5	233.8	LAMAS	Siltstone						
KV89-14	0	35.7	OVER	OVER						
KV89-14	35.7	44.8	LASH	Argillite	Siltstone					
KV89-14	44.8	52.6	LAMAS	Quartzite	Siltstone					
KV89-14	52.6	53.1	LAMP	Lamprophyre						
KV89-14	53.1	61.6	LAMAS	Quartzite	Siltstone					
KV89-14	61.6	65.1	VNS	Gabbro	Lamprophyre					
KV89-14	65.1	65.6	VNS	Vein						
KV89-14	65.6	70.6	VNS	Gabbro	Lamprophyre					
KV89-14	70.6	71.7	VNS	Vein						
KV89-14	71.7	96.6	VNS	Gabbro						
KV89-14	96.6	98.3	VNS	Vein						
KV89-14	98.3	118	LAMAS	Siltstone	Argillite					
KV89-15	0	33.23	OVER	OVER						
KV89-15	33.23	40.09	LASH	Siltstone	Argillite					
KV89-15	40.09	88.4	LAMAS	Siltstone	Argillite					
KV89-15	88.4	90.04	VNS	Vein						
KV89-15	90.04	91.2	VNS	Lamprophyre						
KV89-15	91.2	91.5	VNS	Vein						
KV89-15	91.5	93.6	VNS	Siltstone	Argillite					
KV89-15	93.6	96.5	VNS	Gabbro	Lamprophyre					
KV89-15	96.5	104.4	VNS	Siltstone	Argillite					
KV89-15	104.4	119.4	VNS	Gabbro						
KV89-15	119.4	119.7	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-15	119.7	122.9	VNS	Gabbro						
KV89-15	122.9	124.8	VNS	Vein						
KV89-15	124.8	125.3	VNS	Siltstone						
KV89-15	125.3	126	VNS	Lamprophyre						
KV89-15	126	126.9	VNS	Siltstone						
KV89-15	126.9	128	VNS	Vein						
KV89-15	128	129	VNS	Siltstone						
KV89-15	129	157.6	LAMAS	Argillite	Siltstone					
KV89-2	0	9.15	OVER	OVER						
KV89-2	9.15	55.49	MA	Quartzite	Argillite					
KV89-2	55.49	64.63	VNS	Quartzite	Vein					
KV89-2	64.63	65.55	VNS	Vein						
KV89-2	65.55	82.32	VNS	Gabbro						
KV89-2	82.32	83.38	VNS	Quartzite						
KV89-2	83.38	84.15	VNS	Vein						
KV89-2	84.15	88.41	VNS	Gabbro						
KV89-2	88.41	107.62	MA	Quartzite						
KV89-3	0	22.26	OVER	OVER						
KV89-3	22.26	32.93	MA	Quartzite						
KV89-3	32.93	46.34	VNS	Quartzite						
KV89-3	46.34	70.73	VNS	Gabbro						
KV89-3	70.73	77.13	VNS	Quartzite						
KV89-3	77.13	105.18	LAMAS	Quartzite						
KV89-3	105.18	107.68	PMI	Gabbro						
KV89-3	107.68	108.84	LAMAS	Quartzite						
KV89-4	0	21.34	OVER	OVER						
KV89-4	21.34	58.2	MA	Quartzite	Argillite					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-4	58.2	71.6	LASH	Argillite	Quartzite					
KV89-4	71.6	90.85	LAMAS	Argillite	Quartzite					
KV89-4	90.85	92.68	PMI	Gabbro						
KV89-4	92.68	122.41	LAMAS	Argillite	Quartzite					
KV89-4	122.41	123.02	VNS	Vein						
KV89-4	123.02	138.41	VNS	Gabbro						
KV89-4	138.41	139.33	VNS	Vein						
KV89-4	139.33	141.77	VNS	Argillite						
KV89-4	141.77	172.26	LAMAS	Argillite	Quartzite					
KV89-5	0	12.5	OVER	OVER						
KV89-5	12.5	21.95	MA	Quartzite						
KV89-5	21.95	27.13	VNS	Quartzite						
KV89-5	27.13	30.79	VNS	Lamprophyre						
KV89-5	30.79	39.18	VNS	Quartzite						
KV89-5	39.18	42.68	VNS	Lamprophyre						
KV89-5	42.68	43.9	VNS	Gabbro						
KV89-5	43.9	44.51	VNS	Lamprophyre						
KV89-5	44.51	45.73	VNS	Gabbro						
KV89-5	45.73	46.65	VNS	Quartzite						
KV89-5	46.65	91.16	MA	Quartzite						
KV89-6	0	7.93	OVER	OVER						
KV89-6	7.93	81.1	MA	Quartzite	Argillite					
KV89-6	81.1	83.84	VNS	Lamprophyre						
KV89-6	83.84	84.45	VNS	Quartzite						
KV89-6	84.45	86.28	VNS	Lamprophyre						
KV89-6	86.28	90.58	VNS	Gabbro	Lamprophyre					
KV89-6	90.58	92.99	VNS	Vein	Lamprophyre					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-6	92.99	95.43	VNS	Vein						
KV89-6	95.43	107.77	VNS	Gabbro						
KV89-6	107.77	108.08	VNS	Vein						
KV89-6	108.08	112.8	VNS	Gabbro						
KV89-6	112.8	121.04	MA	Quartzite						
KV89-7	0	3.66	OVER	OVER						
KV89-7	3.66	47.13	MA	Quartzite						
KV89-7	47.13	48.17	VNS	Vein						
KV89-7	48.17	50.79	VNS	Gabbro	Lamprophyre					
KV89-7	50.79	51.22	VNS	Quartzite						
KV89-7	51.22	52.74	VNS	Gabbro	Lamprophyre					
KV89-7	52.74	54.15	VNS	Vein						
KV89-7	54.15	61.59	VNS	Gabbro	Lamprophyre					
KV89-7	61.59	62.5	VNS	Vein						
KV89-7	62.5	66.16	VNS	Gabbro						
KV89-7	66.16	68.14	VNS	Vein						
KV89-7	68.14	78.66	VNS	Lamprophyre	Gabbro					
KV89-7	78.66	85.06	VNS	Gabbro						
KV89-7	85.06	85.52	VNS	Vein						
KV89-7	85.52	88.72	VNS	Gabbro	Lamprophyre					
KV89-7	88.72	112.8	LAMAS	Quartzite						
KV89-7	112.8	129.27	LAMAS	Argillite	Quartzite					
KV89-8	0	27.13	OVER	OVER						
KV89-8	27.13	33.48	MA	Quartzite						
KV89-8	33.48	36.59	MA	Argillite	Quartzite					
KV89-8	36.59	37.2	VNS	Vein						
KV89-8	37.2	39.51	VNS	Quartzite						
KV89-8	39.51	39.82	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV89-8	39.82	40.61	VNS	Quartzite						
KV89-8	40.61	41.16	VNS	Vein						
KV89-8	41.16	41.65	VNS	Quartzite						
KV89-8	41.65	43.6	VNS	Lamprophyre						
KV89-8	43.6	47.44	VNS	Quartzite						
KV89-8	47.44	48.35	VNS	Lamprophyre						
KV89-8	48.35	51.83	VNS	Quartzite						
KV89-8	51.83	57.32	VNS	Gabbro	Lamprophyre					
KV89-8	57.32	58.84	VNS	Quartzite						
KV89-8	58.84	60.82	VNS	Lamprophyre						
KV89-8	60.82	61.07	VNS	Vein						
KV89-8	61.07	68.6	VNS	Lamprophyre						
KV89-8	68.6	70.73	VNS	Quartzite						
KV89-8	70.73	72.26	VNS	Lamprophyre						
KV89-8	72.26	95.73	MA	Quartzite						
KV89-9	0	5.49	OVER	OVER						
KV89-9	5.49	10.22	MA	Quartzite	Argillite					
KV89-9	10.22	126.37	MA	Quartzite	Argillite					
KV89-9	126.37	127.74	VNS	Vein						
KV89-9	127.74	129.88	VNS	Gabbro						
KV89-9	129.88	133.23	VNS	Quartzite	Siltstone					
KV89-9	133.23	138.72	VNS	Gabbro						
KV89-9	138.72	138.78	VNS	Vein						
KV89-9	138.78	143.9	VNS	Gabbro						
KV89-9	143.9	144.05	VNS	Vein						
KV89-9	144.05	188.93	MA	Quartzite	Argillite					
KV89-9	188.93	210.37	MA	Quartzite						
KV90-16	0	35.7	OVER	OVER						
KV90-16	35.7	47.6	MA	Quartzite						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-16	47.6	51.4	MA	Siltstone	Argillite					
KV90-16	51.4	65.1	LASH	Siltstone	Argillite					
KV90-16	65.1	91.6	LAMAS	Quartzite	Siltstone					
KV90-16	91.6	93.9	PMI	Gabbro						
KV90-16	93.9	120.7	LAMAS	Siltstone	Argillite					
KV90-16	120.7	128.4	PMI	Gabbro						
KV90-16	128.4	133.8	LAMAS	Siltstone	Argillite					
KV90-16	133.8	138.4	PMI	Gabbro						
KV90-16	138.4	215	LAMAS	Siltstone	Argillite					
KV90-16	215	221.6	VNS	Gabbro						
KV90-16	221.6	225	VNS	Vein						
KV90-16	225	240.6	VNS	Gabbro						
KV90-16	240.6	241.3	VNS	Vein						
KV90-16	241.3	249.2	VNS	Gabbro						
KV90-16	249.2	250	VNS	Vein						
KV90-16	250	254.3	VNS	Siltstone						
KV90-16	254.3	255	VNS	Vein						
KV90-16	255	264	LAFWQ	Quartzite	Siltstone					
KV90-17	0	39.3	OVER	OVER						
KV90-17	39.3	40.4	LAMAS	Argillite	Siltstone					
KV90-17	40.4	41	VNS	Vein						
KV90-17	41	46.5	VNS	Gabbro						
KV90-17	46.5	47.9	VNS	Siltstone						
KV90-17	47.9	48.5	VNS	Vein						
KV90-17	48.5	52.8	VNS	Quartzite	Siltstone					
KV90-17	52.8	54.4	VNS	Gabbro						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-17	54.4	54.7	VNS	Vein						
KV90-17	54.7	55.4	VNS	Lamprophyre						
KV90-17	55.4	55.7	VNS	Vein						
KV90-17	55.7	67.4	VNS	Gabbro						
KV90-17	67.4	68	VNS	Vein						
KV90-17	68	68.8	VNS	Lamprophyre						
KV90-17	68.8	69.3	VNS	Vein						
KV90-17	69.3	70	VNS	Siltstone						
KV90-17	70	100	LAFWQ	Siltstone						
KV90-17	100	106.5	PMI	Gabbro						
KV90-17	106.5	137.8	LAFWQ	Siltstone	Argillite					
KV90-18	0	41.3	OVER	OVER						
KV90-18	41.3	61.5	LAMAS	Quartzite	Siltstone					
KV90-18	61.5	87.8	LAMAS	Siltstone	Argillite					
KV90-18	87.8	88.2	LAMP	Lamprophyre						
KV90-18	88.2	117.9	LAMAS	Siltstone	Argillite					
KV90-18	117.9	154.6	VNS	Gabbro						
KV90-18	154.6	161.1	VNS	Argillite						
KV90-18	161.1	164	VNS	Lamprophyre						
KV90-18	164	166.4	VNS	Argillite						
KV90-18	166.4	166.7	VNS	Vein						
KV90-18	166.7	179.88	LAMAS	Argillite						
KV90-18	179.88	215.5	LAMAS	Quartzite	Argillite					
KV90-19	0	7.9	OVER	OVER						
KV90-19	7.9	27.4	MA	Siltstone	Argillite					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-19	27.4	43.3	MA	Siltstone	Quartzite					
KV90-19	43.3	101.3	MA	Quartzite	Siltstone					
KV90-19	101.3	101.35	VNS	Vein						
KV90-19	101.35	106.7	VNS	Lamprophyre						
KV90-19	106.7	107	VNS	Vein						
KV90-19	107	112.1	VNS	Quartzite						
KV90-19	112.1	114.34	VNS	Lamprophyre						
KV90-19	114.34	115.5	VNS	Vein						
KV90-19	115.5	116.5	VNS	Lamprophyre						
KV90-19	116.5	118	VNS	Quartzite						
KV90-19	118	119	VNS	Gabbro	Lamprophyre					
KV90-19	119	119.5	VNS	Siltstone						
KV90-19	119.5	121	VNS	Lamprophyre						
KV90-19	121	129.7	VNS	Gabbro						
KV90-19	129.7	133.5	VNS	Siltstone						
KV90-19	133.5	135	VNS	Gabbro						
KV90-19	135	138	VNS	Siltstone						
KV90-19	138	149.4	LASH	Argillite	Quartzite					
KV90-19	149.4	166.8	LAMAS	Siltstone						
KV90-20	0	47	OVER	OVER						
KV90-20	47	141.8	LAMAS	Siltstone	Argillite					
KV90-20	141.8	147.8	PMI	Gabbro						
KV90-20	147.8	202.4	LAMAS	Siltstone	Argillite					
KV90-20	202.4	202.85	LAMP	Lamprophyre						
KV90-20	202.85	225	LAMAS	Siltstone	Argillite					
KV90-20	225	232.3	PMI	Gabbro						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-20	232.3	254.6	LAMAS	Argillite	Siltstone					
KV90-21	0	15.1	OVER	OVER						
KV90-21	15.1	69.1	MA	Quartzite	Siltstone					
KV90-21	69.1	90.8	LASH	Siltstone	Argillite					
KV90-21	90.8	94.6	PMI	Gabbro						
KV90-21	94.6	116.76	LAMAS	Siltstone	Argillite					
KV90-21	116.76	118	VNS	Siltstone						
KV90-21	118	147.3	VNS	Gabbro						
KV90-21	147.3	148	VNS	Vein						
KV90-21	148	149.4	VNS	Gabbro						
KV90-21	149.4	152.3	VNS	Siltstone						
KV90-21	152.3	152.6	VNS	Vein						
KV90-21	152.6	153	VNS	Siltstone						
KV90-21	153	167.1	LAMAS	Siltstone	Argillite					
KV90-22	0	17.7	OVER	OVER						
KV90-22	17.7	51	MA	Quartzite	Siltstone					
KV90-22	51	52	VNS	Lamprophyre						
KV90-22	52	53	VNS	Vein						
KV90-22	53	57.7	VNS	Gabbro						
KV90-22	57.7	58	VNS	Vein						
KV90-22	58	64.93	VNS	Gabbro						
KV90-22	64.93	65.13	VNS	Vein						
KV90-22	65.13	69.8	VNS	Gabbro						
KV90-22	69.8	81.2	VNS	Lamprophyre	Gabbro					
KV90-22	81.2	81.4	VNS	Vein						
KV90-22	81.4	164.9	MA	Quartzite	Siltstone					
KV90-22	164.9	174.7	LASH	Siltstone	Argillite					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-22	174.7	176.1	LAMP	Lamprophyre						
KV90-22	176.1	185.2	LASH	Argillite	Siltstone					
KV90-22	185.2	197	LAMAS	Siltstone	Argillite					
KV90-23	0	7.3	OVER	OVER						
KV90-23	7.3	104.3	MA	Quartzite	Siltstone					
KV90-23	104.3	116.2	MA	Siltstone	Argillite					
KV90-23	116.2	279.3	MA	Quartzite	Siltstone					
KV90-23	279.3	303.7	MA	Siltstone	Argillite					
KV90-23	303.7	320	MA	Quartzite	Siltstone					
KV90-23	320	365.2	LAMAS	Siltstone						
KV90-23	365.2	368.5	VNS	Gabbro						
KV90-23	368.5	369	VNS	Vein						
KV90-23	369	379.9	VNS	Gabbro						
KV90-23	379.9	381.8	VNS	Vein						
KV90-23	381.8	382.8	VNS	Siltstone						
KV90-23	382.8	383.8	VNS	Lamprophyre	Siltstone					
KV90-23	383.8	384.1	VNS	Vein						
KV90-23	384.1	384.6	VNS	Lamprophyre						
KV90-23	384.6	412.2	LAMAS	Siltstone						
KV90-23	412.2	425.6	LAFWQ	Quartzite	Siltstone					
KV90-24	0	18.7	OVER	OVER						
KV90-24	18.7	44.5	MA	Quartzite	Siltstone					
KV90-24	44.5	48.8	MA	Siltstone	Argillite					
KV90-24	48.8	139.5	MA	Quartzite	Siltstone					
KV90-24	139.5	148.7	MA	Siltstone	Argillite					
KV90-24	148.7	166.73	MA	Quartzite	Siltstone					
KV90-24	166.73	168.7	VNS	Lamprophyre	Gabbro					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-24	168.7	169.4	VNS	Vein						
KV90-24	169.4	169.8	VNS	Lamprophyre						
KV90-24	169.8	170.6	VNS	Vein						
KV90-24	170.6	182.2	VNS	Gabbro						
KV90-24	182.2	182.8	VNS	Vein						
KV90-24	182.8	184.1	VNS	Gabbro						
KV90-24	184.1	184.6	VNS	Vein						
KV90-24	184.6	197.26	VNS	Gabbro	Lamprophyre					
KV90-24	197.26	209.1	MA	Siltstone						
KV90-24	209.1	227.1	MA	Quartzite	Siltstone					
KV90-25	0	22.3	OVER	OVER						
KV90-25	22.3	135.2	MA	Quartzite	Siltstone					
KV90-25	135.2	139.6	MA	Argillite						
KV90-25	139.6	201.8	MA	Quartzite	Siltstone					
KV90-26	0	21.3	OVER	OVER						
KV90-26	21.3	54	MA	Quartzite	Siltstone					
KV90-26	54	60.1	MA	Argillite						
KV90-26	60.1	79.3	MA	Quartzite	Siltstone					
KV90-26	79.3	88.4	MA	Argillite						
KV90-26	88.4	111	MA	Quartzite	Siltstone					
KV90-26	111	117.4	LAMP	Lamprophyre						
KV90-26	117.4	192.1	MA	Quartzite	Siltstone					
KV90-26	192.1	199.2	LASH	Argillite	Siltstone					
KV90-26	199.2	200.4	VNS	Gabbro						
KV90-26	200.4	203.2	VNS	Siltstone						
KV90-26	203.2	217.8	VNS	Gabbro						
KV90-26	217.8	219.2	VNS	Vein						
KV90-26	219.2	245.8	VNS	Gabbro						
KV90-26	245.8	246.5	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-26	246.5	247	VNS	Gabbro						
KV90-26	247	281.7	LAMAS	Siltstone	Quartzite					
KV90-27	0	9.8	OVER	OVER						
KV90-27	9.8	125	MA	Quartzite	Siltstone					
KV90-27	125	137.2	MA	Siltstone	Argillite					
KV90-27	137.2	157.8	MA	Quartzite	Siltstone					
KV90-27	157.8	166.2	MA	Siltstone	Argillite					
KV90-27	166.2	262	MA	Quartzite	Siltstone					
KV90-27	262	269.6	VNS	Gabbro						
KV90-27	269.6	270.3	VNS	Vein						
KV90-27	270.3	274.7	VNS	Gabbro						
KV90-27	274.7	276.7	VNS	Vein						
KV90-27	276.7	297.5	VNS	Gabbro	Lamprophyre					
KV90-27	297.5	297.8	VNS	Vein						
KV90-27	297.8	298.5	VNS	Siltstone						
KV90-27	298.5	354.9	LAMAS	Siltstone						
KV90-28	0	4.6	OVER	OVER						
KV90-28	4.6	91.5	MA	Quartzite	Siltstone					
KV90-28	91.5	134.8	MA	Siltstone	Argillite					
KV90-28	134.8	178.4	MA	Quartzite	Siltstone					
KV90-28	178.4	210.2	MA	Siltstone	Argillite					
KV90-28	210.2	244.5	MA	Quartzite	Argillite					
KV90-28	244.5	252.3	VNS	Gabbro						
KV90-28	252.3	282.9	MA	Quartzite	Siltstone					
KV90-29	0	29	OVER	OVER						
KV90-29	29	42.1	MA	Quartzite	Siltstone					
KV90-29	42.1	58.5	LASH	Siltstone	Argillite					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-29	58.5	69.8	LAMAS	Siltstone	Argillite					
KV90-29	69.8	74.4	PMI	Gabbro						
KV90-29	74.4	219.5	LAMAS	Siltstone	Argillite					
KV90-29	219.5	246.3	LAFWQ	Quartzite	Siltstone					
KV90-29	246.3	256	VNS	Vein						
KV90-29	256	268.3	VNS	Gabbro						
KV90-29	268.3	271.3	VNS	Vein						
KV90-29	271.3	273.7	VNS	Siltstone	Quartzite					
KV90-29	273.7	279.5	VNS	Vein						
KV90-29	279.5	296.8	VNS	Gabbro						
KV90-29	296.8	298.4	VNS	Vein						
KV90-29	298.4	334	VNS	Gabbro						
KV90-29	334	342.1	LAFWQ	Quartzite	Siltstone					
KV90-29	342.1	342.8	LAMP	Lamprophyre						
KV90-29	342.8	357.9	LAFWQ	Quartzite	Siltstone					
KV90-30	0	32	OVER	OVER						
KV90-30	32	147.3	MA	Quartzite	Siltstone					
KV90-30	147.3	239.9	LAMAS	Siltstone	Argillite					
KV90-30	239.9	371	LAFWQ	Quartzite	Siltstone					
KV90-30	371	371.6	VNS	Gabbro						
KV90-30	371.6	373.4	VNS	Vein						
KV90-30	373.4	375.8	VNS	Gabbro						
KV90-30	375.8	376	VNS	Vein						
KV90-30	376	396.5	VNS	Gabbro						
KV90-30	396.5	397	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-30	397	403	VNS	Gabbro						
KV90-30	403	409.7	LA	Quartzite	Vein					
KV90-30	409.7	435.9	LA	Quartzite						
KV90-31	0	26.5	OVER	OVER						
KV90-31	26.5	133	MA	Quartzite	Siltstone					
KV90-31	133	253.7	LAMAS	Siltstone	Argillite					
KV90-31	253.7	264.6	LAFWQ	Quartzite	Siltstone					
KV90-31	264.6	303	LAFWQ	Quartzite	Siltstone					
KV90-31	303	303.1	VNS	Vein						
KV90-31	303.1	306.4	VNS	Gabbro						
KV90-31	306.4	307	VNS	Vein						
KV90-31	307	314.3	VNS	Gabbro						
KV90-31	314.3	316.3	VNS	Vein						
KV90-31	316.3	317	VNS	Gabbro						
KV90-31	317	318	VNS	Vein						
KV90-31	318	318.2	VNS	Gabbro						
KV90-31	318.2	321	VNS	Vein						
KV90-31	321	322	VNS	Gabbro						
KV90-31	322	328	VNS	Vein						
KV90-31	328	328.7	VNS	Gabbro						
KV90-31	328.7	333.7	VNS	Vein						
KV90-31	333.7	336	VNS	Gabbro						
KV90-31	336	337.5	VNS	Vein						
KV90-31	337.5	349.3	VNS	Gabbro						
KV90-31	349.3	350.3	VNS	Vein						
KV90-31	350.3	365.8	VNS	Gabbro						
KV90-31	365.8	380.2	LAFWQ	Quartzite	Siltstone					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-32	0	25	OVER	OVER						
KV90-32	25	139.3	MA	Quartzite	Siltstone					
KV90-32	139.3	255.2	LAMAS	Siltstone	Argillite					
KV90-32	255.2	259	LAFWQ	Quartzite						
KV90-32	259	305.5	LAFWQ	Quartzite	Siltstone					
KV90-32	305.5	309.5	VNS	Gabbro						
KV90-32	309.5	315	VNS	Vein						
KV90-32	315	332	VNS	Gabbro						
KV90-32	332	335.2	VNS	Vein						
KV90-32	335.2	346	VNS	Gabbro						
KV90-32	346	347.2	VNS	Vein						
KV90-32	347.2	361.7	VNS	Gabbro						
KV90-32	361.7	362.7	VNS	Vein						
KV90-32	362.7	375	VNS	Gabbro						
KV90-32	375	376	LAFWQ	Siltstone	Argillite					
KV90-32	376	380	PMI	Gabbro						
KV90-32	380	385.7	LAFWQ	Siltstone						
KV90-33	0	2.96	OVER	OVER						
KV90-33	2.96	48.8	MA	Siltstone	Argillite					
KV90-33	48.8	118.3	MA	Quartzite	Siltstone					
KV90-33	118.3	195.7	LAMAS	Siltstone	Argillite					
KV90-33	195.7	264	LAMAS	Siltstone	Argillite					
KV90-33	264	279.4	LAMAS	Siltstone	Argillite					
KV90-33	279.4	281.8	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-33	281.8	292.3	VNS	Gabbro						
KV90-33	292.3	293.6	VNS	Vein						
KV90-33	293.6	299.5	LAFWQ	Siltstone						
KV90-33	299.5	303.4	LAFWQ	Siltstone						
KV90-34	0	20.7	OVER	OVER						
KV90-34	20.7	52.1	MA	Quartzite	Siltstone					
KV90-34	52.1	60.7	LASH	Argillite	Siltstone					
KV90-34	60.7	63.4	PMI	Gabbro						
KV90-34	63.4	70.6	LASH	Argillite	Siltstone					
KV90-34	70.6	206.4	LAMAS	Siltstone	Argillite					
KV90-34	206.4	234.4	LAMAS	Siltstone	Argillite					
KV90-34	234.4	244.8	LAFWQ	Quartzite	Siltstone					
KV90-34	244.8	245.2	VNS	Vein						
KV90-34	245.2	259.1	VNS	Gabbro						
KV90-34	259.1	260.4	VNS	Vein						
KV90-34	260.4	260.7	VNS	Quartzite						
KV90-34	260.7	262	VNS	Vein						
KV90-34	262	269.4	VNS	Quartzite	Siltstone					
KV90-34	269.4	273	VNS	Vein						
KV90-34	273	274.2	VNS	Gabbro						
KV90-34	274.2	275.2	VNS	Vein						
KV90-34	275.2	290	VNS	Gabbro						
KV90-34	290	294.8	VNS	Siltstone						
KV90-34	294.8	295.4	VNS	Gabbro						
KV90-34	295.4	330.8	LAFWQ	Quartzite	Siltstone					
KV90-35	0	14.3	OVER	OVER						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-35	14.3	61.9	MA	Quartzite	Siltstone					
KV90-35	61.9	67.1	LASH	Argillite	Siltstone					
KV90-35	67.1	68.8	PMI	Gabbro						
KV90-35	68.8	77.3	LASH	Argillite	Siltstone					
KV90-35	77.3	255	LAMAS	Siltstone	Argillite					
KV90-35	255	257	VNS	Vein						
KV90-35	257	258	VNS	Siltstone						
KV90-35	258	271.3	VNS	Gabbro						
KV90-35	271.3	273.9	VNS	Vein						
KV90-35	273.9	274.9	VNS	Gabbro						
KV90-35	274.9	309.5	LAFWQ	Quartzite	Siltstone					
KV90-36	0	12.8	OVER	OVER						
KV90-36	12.8	64.2	MA	Quartzite	Siltstone					
KV90-36	64.2	70.1	MA	Quartzite	Siltstone					
KV90-36	70.1	77.7	LASH	Argillite	Siltstone					
KV90-36	77.7	235.4	LAMAS	Siltstone	Argillite					
KV90-36	235.4	282.2	LAFWQ	Quartzite	Siltstone					
KV90-36	282.2	284	VNS	Vein						
KV90-36	284	288.3	VNS	Siltstone						
KV90-36	288.3	289.6	VNS	Gabbro						
KV90-36	289.6	292.6	VNS	Vein						
KV90-36	292.6	318.6	VNS	Gabbro						
KV90-36	318.6	327.4	LAFWQ	Quartzite	Siltstone					
KV90-37	0	12.8	OVER	OVER						
KV90-37	12.8	162.8	MA	Quartzite	Siltstone					
KV90-37	162.8	240.1	LAMAS	Siltstone	Argillite					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-37	240.1	365.4	LAFWQ	Quartzite	Siltstone					
KV90-37	365.4	379.4	VNS	Vein						
KV90-37	379.4	380.8	VNS	Lamprophyre	Gabbro					
KV90-37	380.8	381.5	VNS	Vein						
KV90-37	381.5	384.5	VNS	Gabbro						
KV90-37	384.5	385.7	VNS	Vein						
KV90-37	385.7	388	VNS	Gabbro						
KV90-37	388	390	VNS	Vein						
KV90-37	390	419.2	VNS	Gabbro						
KV90-37	419.2	427.8	VNS	Vein						
KV90-37	427.8	430.4	VNS	Gabbro						
KV90-37	430.4	430.8	VNS	Vein						
KV90-37	430.8	444	VNS	Gabbro						
KV90-37	444	457.3	LA	Argillite	Siltstone					
KV90-38	0	6.4	OVER	OVER						
KV90-38	6.4	12.9	MA	Quartzite						
KV90-38	12.9	27.4	MA	Siltstone	Quartzite					
KV90-38	27.4	35.2	MA	Quartzite	Siltstone					
KV90-38	35.2	35.6	LAMP	Lamprophyre						
KV90-38	35.6	36	MA	Quartzite	Siltstone					
KV90-38	36	41.1	MA	siltstone	Argillite					
KV90-38	41.1	74.7	MA	Quartzite	Siltstone					
KV90-38	74.7	80.2	MA	Siltstone	Argillite					
KV90-38	80.2	193.6	MA	Quartzite	Siltstone					
KV90-38	193.6	201.2	MA	Siltstone	Argillite					
KV90-38	201.2	298.2	MA	Quartzite	Siltstone					
KV90-38	298.2	337.2	MA	Siltstone	Argillite					
KV90-38	337.2	398.2	MA	Quartzite	Siltstone					
KV90-38	398.2	408	MA	Siltstone	Argillite					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-38	408	432.2	MA	Quartzite	Siltstone					
KV90-38	432.2	433.8	LAMP	Lamprophyre						
KV90-38	433.8	494.5	MA	Quartzite	Siltstone					
KV90-38	494.5	494.8	VNS	Vein						
KV90-38	494.8	511.2	VNS	Gabbro						
KV90-38	511.2	513.7	VNS	Vein						
KV90-38	513.7	524.8	VNS	Gabbro						
KV90-38	524.8	525.8	VNS	Vein						
KV90-38	525.8	554.2	VNS	Gabbro						
KV90-38	554.2	557.6	VNS	Siltstone						
KV90-38	557.6	560	VNS	Vein						
KV90-38	560	572.6	LAMAS	Quartzite	Siltstone					
KV90-38	572.6	621.6	LAMAS	Siltstone	Argillite					
KV90-38	621.6	709.4	LAFWQ	Siltstone	Quartzite					
KV90-38	709.4	723.5	LAMP	Lamprophyre						
KV90-38	723.5	738	LA	Siltstone						
KV90-38	738	794.5	LA	Siltstone						
KV90-39	0	5.8	OVER	OVER						
KV90-39	5.8	59.8	MA	Quartzite	Argillite					
KV90-39	59.8	203.2	MA	Quartzite	Siltstone					
KV90-39	203.2	225.9	MA	Siltstone	Argillite					
KV90-39	225.9	301.2	MA	Quartzite	Siltstone					
KV90-39	301.2	361.3	MA	Siltstone	Argillite					
KV90-39	361.3	381.7	LASH	Siltstone	Argillite					
KV90-39	381.7	436.3	LAMAS	Siltstone	Argillite					
KV90-39	436.3	491.3	LAMAS	Quartzite	Siltstone					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-39	491.3	492.5	VNS	Vein						
KV90-39	492.5	493.5	VNS	Gabbro	Lamprophyre					
KV90-39	493.5	496.6	VNS	Siltstone	Gabbro					
KV90-39	496.6	497.6	VNS	Vein						
KV90-39	497.6	528	VNS	Gabbro						
KV90-39	528	531.5	VNS	Vein						
KV90-39	531.5	533.6	VNS	Gabbro						
KV90-39	533.6	534.5	VNS	Vein						
KV90-39	534.5	570.4	LAFWQ	Quartzite	Siltstone					
KV90-40	0	4.9	OVER	OVER						
KV90-40	4.9	17.1	MA	Siltstone	Quartzite					
KV90-40	17.1	164.6	MA	Quartzite	Siltstone					
KV90-40	164.6	167.6	PMI	Gabbro						
KV90-40	167.6	231.2	MA	Siltstone	Quartzite					
KV90-40	231.2	236.3	PMI	Gabbro						
KV90-40	236.3	249.9	MA	Quartzite						
KV90-40	249.9	299	LAMAS	Siltstone						
KV90-40	299	375.2	LAFWQ	Quartzite						
KV90-40	375.2	377.2	VNS	Vein						
KV90-40	377.2	377.5	VNS	Quartzite						
KV90-40	377.5	389.7	VNS	Gabbro						
KV90-40	389.7	390.1	VNS	Vein						
KV90-40	390.1	398.1	VNS	Quartzite						
KV90-40	398.1	399.4	VNS	Vein						
KV90-40	399.4	402.3	VNS	Quartzite	Siltstone					
KV90-40	402.3	403.4	VNS	Vein						
KV90-40	403.4	405.4	VNS	Siltstone						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-40	405.4	413.2	VNS	Vein						
KV90-40	413.2	417.3	VNS	Siltstone						
KV90-40	417.3	421.5	VNS	Vein						
KV90-40	421.5	447.3	VNS	Gabbro						
KV90-40	447.3	448.4	VNS	Vein						
KV90-40	448.4	468.6	VNS	Gabbro						
KV90-40	468.6	470.2	VNS	Vein						
KV90-40	470.2	525.5	VNS	Gabbro						
KV90-40	525.5	550.9	LA	Quartzite						
KV90-40	550.9	570.6	PMI	Gabbro						
KV90-41	0	5.9	OVER	OVER						
KV90-41	5.9	14	MA	Quartzite	Siltstone					
KV90-41	14	23.8	MA	Siltstone	Argillite					
KV90-41	23.8	72.3	MA	Quartzite	Siltstone					
KV90-41	72.3	119.5	MA	Siltstone	Quartzite					
KV90-41	119.5	288.8	MA	Quartzite	Siltstone					
KV90-41	288.8	474.6	MA	Quartzite	Siltstone					
KV90-41	474.6	499	MA	Quartzite						
KV90-41	499	549.9	MA	Quartzite	Siltstone					
KV90-41	549.9	567.2	LASH	Siltstone	Argillite					
KV90-41	567.2	621.2	LAMAS	Siltstone	Argillite					
KV90-41	621.2	623.3	VNS	Vein						
KV90-41	623.3	639.5	VNS	Siltstone						
KV90-41	639.5	639.8	VNS	Vein						
KV90-41	639.8	645.1	VNS	Gabbro						
KV90-41	645.1	645.7	VNS	Vein						
KV90-41	645.7	649.5	VNS	Gabbro						
KV90-41	649.5	652.6	VNS	Siltstone						
KV90-41	652.6	666.3	VNS	Vein						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-41	666.3	669	VNS	Siltstone						
KV90-41	669	688.1	VNS	Gabbro						
KV90-41	688.1	702.7	VNS	Siltstone						
KV90-41	702.7	705.9	VNS	Gabbro						
KV90-41	705.9	707.9	VNS	Vein						
KV90-41	707.9	714.9	VNS	Gabbro						
KV90-41	714.9	715.8	VNS	Vein						
KV90-41	715.8	719.9	VNS	Gabbro						
KV90-41	719.9	721.8	VNS	Vein						
KV90-41	721.8	727.1	VNS	Gabbro						
KV90-41	727.1	750.1	VNS	Quartzite						
KV90-41	750.1	751.9	VNS	Gabbro						
KV90-41	751.9	756.8	LA	Quartzite						
KV90-41	756.8	760.2	LA	Vein						
KV90-41	760.2	763.5	LA	Quartzite	Siltstone					
KV90-41	763.5	806.2	LA	Siltstone	Quartzite					
KV90-41	806.2	844.6	LA	Quartzite	Siltstone					
KV90-42	0	3.3	OVER	OVER						
KV90-42	3.3	8.2	MA	Quartzite						
KV90-42	8.2	9.2	VNS	Vein						
KV90-42	9.2	12.5	VNS	Quartzite	Siltstone					
KV90-42	12.5	13	VNS	Vein						
KV90-42	13	13.8	VNS	Quartzite						
KV90-42	13.8	24.8	VNS	Gabbro						
KV90-42	24.8	28.3	VNS	Quartzite						
KV90-42	28.3	35.3	VNS	Gabbro						
KV90-42	35.3	35.6	VNS	Quartzite						
KV90-42	35.6	36	VNS	Gabbro						
KV90-42	36	38.1	MA	Quartzite						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-43	0	4.6	OVER	OVER						
KV90-43	4.6	15.5	MA	Quartzite	Siltstone					
KV90-43	15.5	15.75	VNS	Vein						
KV90-43	15.75	18.9	VNS	Lamprophyre						
KV90-43	18.9	20.5	VNS	Quartzite						
KV90-43	20.5	23.5	VNS	Gabbro						
KV90-43	23.5	24.7	VNS	Vein						
KV90-43	24.7	25.7	VNS	Gabbro						
KV90-43	25.7	25.9	VNS	Vein						
KV90-43	25.9	26.5	VNS	Quartzite						
KV90-43	26.5	27	VNS	Vein						
KV90-43	27	35.3	VNS	Quartzite						
KV90-43	35.3	37.6	VNS	Gabbro						
KV90-43	37.6	40.2	VNS	Quartzite						
KV90-44	0	3	OVER	OVER						
KV90-44	3	8.5	MA	Quartzite						
KV90-44	8.5	11.5	VNS	Gabbro						
KV90-44	11.5	13	VNS	Quartzite						
KV90-44	13	13.9	VNS	Vein						
KV90-44	13.9	33	VNS	Gabbro						
KV90-44	33	33.8	VNS	Gabbro	Vein					
KV90-44	33.8	40.2	MA	Quartzite	Siltstone					
KV90-45	0	1.5	OVER	OVER						
KV90-45	1.5	17.2	MA	Quartzite	Siltstone					
KV90-45	17.2	17.5	VNS	Vein						
KV90-45	17.5	19.2	VNS	Gabbro						
KV90-45	19.2	23.8	VNS	Lamprophyre						
KV90-45	23.8	37.5	VNS	Quartzite						
KV90-45	37.5	38.6	VNS	Gabbro						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-45	38.6	40.5	MA	Quartzite						
KV90-46	0	7.8	OVER	OVER						
KV90-46	7.8	21.3	MA	Quartzite						
KV90-46	21.3	26.7	VNS	Gabbro						
KV90-46	26.7	26.9	VNS	Vein						
KV90-46	26.9	33.45	VNS	Gabbro						
KV90-46	33.45	33.75	VNS	Vein						
KV90-46	33.75	39.4	VNS	Gabbro						
KV90-46	39.4	52.4	MA	Quartzite						
KV90-47	0	6.1	OVER	OVER						
KV90-47	6.1	44.2	MA	Quartzite	Siltstone					
KV90-47	44.2	44.8	VNS	Vein						
KV90-47	44.8	52.3	VNS	Gabbro						
KV90-47	52.3	54.1	VNS	Vein						
KV90-47	54.1	61.7	VNS	Gabbro						
KV90-47	61.7	61.9	VNS	Vein						
KV90-47	61.9	74	VNS	Gabbro						
KV90-47	74	76.2	MA	Quartzite						
KV90-48	0	15.5	OVER	OVER						
KV90-48	15.5	37.3	MA	Quartzite	Siltstone					
KV90-48	37.3	40.8	VNS	Gabbro						
KV90-48	40.8	41.8	VNS	Vein						
KV90-48	41.8	44.2	VNS	Quartzite						
KV90-48	44.2	59	VNS	Gabbro						
KV90-49	0	2.3	OVER	OVER						
KV90-49	2.3	13.1	MA	Quartzite	Siltstone					
KV90-49	13.1	17.7	VNS	Vein						
KV90-49	17.7	18	VNS	Quartzite						
KV90-49	18	23.8	VNS	Gabbro						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-50	0	1.5	OVER	OVER						
KV90-50	1.5	11.4	MA	Quartzite						
KV90-50	11.4	12.6	VNS	Vein						
KV90-50	12.6	14.9	VNS	Gabbro						
KV90-50	14.9	18.3	VNS	Quartzite						
KV90-50	18.3	22.3	VNS	Gabbro						
KV90-51	0	1.5	OVER	OVER						
KV90-51	1.5	11.3	MA	Quartzite						
KV90-51	11.3	11.7	VNS	Gabbro						
KV90-51	11.7	11.85	VNS	Vein						
KV90-51	11.85	11.95	VNS	Quartzite						
KV90-51	11.95	14	VNS	Gabbro						
KV90-51	14	14.5	VNS	Quartzite						
KV90-51	14.5	20.1	VNS	Gabbro						
KV90-52	0	18.8	OVER	OVER						
KV90-52	18.8	32	MA	Quartzite	Siltstone					
KV90-52	32	38.9	VNS	Gabbro						
KV90-52	38.9	39.4	VNS	Lamprophyre						
KV90-52	39.4	40.2	VNS	Quartzite	Gabbro					
KV90-52	40.2	40.8	VNS	Vein						
KV90-52	40.8	51.9	VNS	Gabbro	Quartzite					
KV90-52	51.9	52.4	VNS	Vein						
KV90-52	52.4	54.2	VNS	Gabbro						
KV90-52	54.2	54.6	VNS	Vein						
KV90-52	54.6	55.5	VNS	Gabbro						
KV90-52	55.5	56	VNS	Vein						
KV90-52	56	60.6	VNS	Gabbro						
KV90-52	60.6	77.1	MA	Quartzite	Siltstone					
KV90-53	0	1.2	OVER	OVER						

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV90-53	1.2	25.2	MA	Quartzite						
KV90-53	25.2	26.4	VNS	Vein						
KV90-53	26.4	28.9	VNS	Gabbro						
KV90-53	28.9	29.3	VNS	Quartzite						
KV90-53	29.3	29.6	VNS	Vein						
KV90-53	29.6	32.2	VNS	Quartzite						
KV90-53	32.2	36.5	VNS	Gabbro						
KV90-53	36.5	37.2	VNS	Vein	Quartzite					
KV90-53	37.2	40.2	VNS	Gabbro						
KV90-54	0	5.2	OVER	OVER						
KV90-54	5.2	32.7	MA	Quartzite						
KV90-54	32.7	33.4	PMI	Gabbro						
KV90-54	33.4	37.4	MA	Quartzite						
KV90-54	37.4	40.3	VNS	Vein						
KV90-54	40.3	41.8	VNS	Quartzite						
KV90-54	41.8	45.3	VNS	Vein						
KV90-54	45.3	47.6	VNS	Gabbro						
KV90-54	47.6	47.9	VNS	Vein						
KV90-54	47.9	53.3	VNS	Gabbro						
KV94-57	0	6.1	OVER	OVER						
KV94-57	6.1	47.3	MA	Siltstone	Argillite					
KV94-57	47.3	65.8	LAMP	Lamprophyre						
KV94-57	65.8	85	MA	Argillite						
KV94-57	85	89.8	LAMP	Lamprophyre						
KV94-57	89.8	103.5	MA	Siltstone	Argillite					
KV94-57	103.5	123.5	LAMP	Lamprophyre						
KV94-57	123.5	131.6	MA	Argillite						
KV94-57	131.6	138	LAMP	Lamprophyre						
KV94-57	138	160	MA	Argillite	Siltstone					

Hole Number	From(m)	To(m)	Unit	Rock Type	Minor Rock Type	Pri Colour	Sec Colour	Grain Size	Pri Texture	Notes
KV94-57	160	164.4	PMI	Gabbro						
KV94-57	164.4	173.3	MA	Argillite	Siltstone					
KV94-57	173.3	174.8	PMI	Gabbro						
KV94-57	174.8	178.9	MA	Siltstone						
KV94-57	178.9	181	PMI	Gabbro						
KV94-57	181	216.5	MA	Siltstone						
KV94-57	216.5	220.6	VNS	Gabbro	Lamprophyre					
KV94-57	220.6	221	VNS	Vein						
KV94-57	221	228.8	VNS	Gabbro	Lamprophyre					
KV94-57	228.8	318.6	MA	Siltstone	Argillite					
KV94-57	318.6	353.8	MA	Siltstone						
KV94-57	353.8	391	MA	Siltstone	Argillite					
KV94-57	391	408	LASH	Argillite	Siltstone					
KV94-57	408	562.8	LAMAS	Siltstone						
KV94-57	562.8	697.4	LAFWQ	Quartzite	Siltstone					
KV94-57	697.4	768.2	LA	Siltstone	Argillite					
KV94-57	768.2	788	PMI	Gabbro						
KV94-57	788	794.7	LA	Siltstone	Argillite					
KV94-57	794.7	797	LAMP	Lamprophyre						
KV94-57	797	798.5	LA	Siltstone						

Appendix 4.1.2 - Mineralization

Wednesday, June 20, 2012

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-1	11.89	97.41	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	
KV89-1	97.41	98.78	BRECCIATED	80% MASSIVE grained sphalerite, 10% DISSEMINATED grained pyrrhotite, 1% DISSEMINATED grained galena	qtz veins within breccia
KV89-1	98.93	102.1	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained sulphides	
KV89-1	102.13	106.1	BRECCIATED	5% VEINED grained sphalerite, 3% VEINED grained galena, 1% VEINED grained pyrite, 2% VEINED grained pyrrhotite, % grained	qtz veins within breccia
KV89-10	40.85	42.68	FRACTURES	% FRACTURES grained sulphides	thin qtz veins and fractures
KV89-10	42.68	42.96	VEINED	10% BLEBBY grained pyrrhotite, 3% BLEBBY grained pyrite, 7% BLEBBY grained galena, 4% BLEBBY grained arsenopyrite, 2% BLEBBY grained sphalerite	qtz
KV89-10	42.96	45.73	FRACTURES	% FRACTURES grained sulphides	minor frac min in gabbro
KV89-10	46.65	50	FRACTURES	% FRACTURES grained sulphides, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-10	64.05	64.33	FRACTURES	% FRACTURES grained sulphides	minor frac min in gabbro
KV89-10	64.63	65.85	BRECCIATED	8% VEINED grained pyrrhotite, 8% VEINED grained sulphides, % VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained galena, % VEINED grained sphalerite, % VEINED grained arsenopyrite, 9% MASSIVE grained pyrrhotite, 8% MASSIVE graine	shear zone, veined qtz-calcite
KV89-10	65.85	70.12	FRACTURES	% FRACTURES grained sulphides	
KV89-10	70.12	71.65	VEINED	12% MASSIVE grained arsenopyrite, 15% DISSEMINATED grained pyrrhotite, 10% FRACTURES grained pyrite, 5% DISSEMINATED grained galena, 3% DISSEMINATED grained sphalerite	qtz-calcite vein, mosaic
KV89-10	71.65	72.56	FRACTURES	% FRACTURES grained sulphides	minor frac min in gabbro
KV89-10	80.9	80.91	VEINED	1% VEINED grained galena, 1% VEINED grained spahlerite	
KV89-10	100.3	100.3	VEINED	15% VEINED grained galena, 15% VEINED grained sphalerite	
KV89-11	37.2	38.41	VEINED	10% MASSIVE grained arsenopyrite, 10% MASSIVE grained pyrite, 5% MASSIVE grained galena, 10% MASSIVE grained pyrrhotite, 5% MASSIVE grained sphalerite, 3% MASSIVE grained chalcopyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-11	42.13	42.29	VEINED	% VEINED grained sphalerite, % VEINED grained chalcopyrite, % VEINED grained pyrite, % VEINED grained arsenopyrite	calcite-min
KV89-11	44.82	44.91	VEINED	% VEINED grained pyrite, % VEINED grained sphalerite, % VEINED grained galena	qtz-calcite-min
KV89-11	47.7	47.8	VEINED	% VEINED grained arsenopyrite, % VEINED grained pyrite, % VEINED grained sphalerite	
KV89-11	50.8	51.2	FRACTURES	% FRACTURES grained pyrite, % FRACTURES grained chalcopyrite, % FRACTURES grained sphalerite	
KV89-11	142.6	145.4	FRACTURES	% FRACTURES grained pyrite	
KV89-11	163.9	181.4	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	
KV89-12	89.9	92.9	BRECCIATED	% BRECCIATED grained pyrrhotite, % BRECCIATED grained pyrite, % BRECCIATED grained chalcopyrite, % BRECCIATED grained galena, % BRECCIATED grained sphalerite	crackle breccia
KV89-12	92.9	93.6	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained arsenopyrite, % MASSIVE grained galena, % MASSIVE grained sphalerite, % MASSIVE grained chalcopyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-12	93.6	94	DISSEMINATED	% grained arsenopyrite, % grained sphalerite, % grained galena, % grained pyrrhotite	
KV89-12	96	104.2	DISSEMINATED	% DISSEMINATED grained pyrite	
KV89-12	104.2	104.8	VEINED	% BLEBBY grained galena, % BLEBBY grained sphalerite	qtz-min
KV89-12	105.2	105.6	VEINED	% VEINED grained pyrrhotite, % VEINED grained galena, % VEINED grained sphalerite, % VEINED grained pyrite, % VEINED grained arsenopyrite	qtz-min
KV89-12	119.2	153.4	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite, % VEINLETS grained arsenopyrite	
KV89-12	157	179.4	LAMINATED	% LAMINATED grained pyrite, % LAMINATED grained pyrrhotite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained sphalerite	sullivan horizon
KV89-13	68.6	75.6	VEINLETS	% VEINED grained pyrite, % VEINED grained pyrrhotite	qtz-min veinlets <5cm
KV89-13	143.1	143.2	VEINED	% VEINED grained sulphides	
KV89-13	153	154.7	FRACTURES	% FRACTURES grained sulphides	
KV89-13	154.7	155	VEINED	% VEINED grained pyrite, % VEINED grained pyrrhotite, % VEINED grained chalcopyrite, % VEINED grained sulphides	qtz-calcite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-13	155	170.3	FRACTURES	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite, % BRECCIATED grained sphalerite, % BRECCIATED grained pyrrhotite, % BRECCIATED grained pyrite, % BRECCIATED grained arsenopyrite	
KV89-13	170.3	170.4	VEINED	% VEINED grained pyrite, % VEINED grained arsenopyrite	qtz-calcite-min
KV89-13	170.4	186.1	FRACTURES	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV89-13	186.1	186.3	VEINED	% VEINED grained pyrite, % VEINED grained sulphides	qtz-min
KV89-13	193.3	193.5	VEINED	% VEINED grained pyrite, % VEINED grained arsenopyrite, % VEINED grained chalcopyrite, % VEINED grained galena	qtz-calcite-min
KV89-13	197.7	233.8	DISSEMINATED	% DISSEMINATED grained pyrite	
KV89-14	35.7	44.8	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	sullivan horizon
KV89-14	52.6	53.1	VEINLETS	% VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained arsenopyrite, % VEINED grained sulphides	qtz-dol-min
KV89-14	60.1	61.6	DISSEMINATED	% DISSEMINATED grained arsenopyrite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-14	61.6	62.7	DISSEMINATED	% DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrite, % DISSEMINATED grained chalcopyrite, % grained	
KV89-14	62.7	65.6	VEINED	% VEINED grained pyrite, % VEINED grained chalcopyrite, % VEINED grained arsenopyrite	qtz-calcite-dol-min brecciated vein
KV89-14	70.6	71.7	VEINED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena	dol-calcite-qtz vein
KV89-14	95.6	96.7	FRACTURES	% FRACTURES grained pyrrhotite, % FRACTURES grained pyrite, % FRACTURES grained arsenopyrite, % FRACTURES grained sulphides	
KV89-14	96.7	98.3	VEINED	% MASSIVE grained arsenopyrite, % MASSIVE grained pyrite, % MASSIVE grained pyrrhotite, % MASSIVE grained chalcopyrite, % MASSIVE grained galena	qtz-min
KV89-14	98.6	118	FRACTURES	% FRACTURES grained pyrrhotite, % FRACTURES grained pyrite, % FRACTURES grained chalcopyrite	
KV89-15	33.23	40.09	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-15	88.4	90.4	VEINED	15% MASSIVE grained pyrrhotite, 4% DISSEMINATED grained arsenopyrite, 4% DISSEMINATED grained galena, 1% DISSEMINATED grained chalcopyrite, 4% DISSEMINATED grained pyrite, 1% DISSEMINATED grained sphalerite	qtz eyes
KV89-15	90.4	91.2	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	
KV89-15	91.2	91.5	VEINED	20% MASSIVE grained pyrrhotite, 20% MASSIVE grained arsenopyrite, 5% DISSEMINATED grained galena, 5% DISSEMINATED grained sphalerite	qtz-calcite-min
KV89-15	91.5	91.8	FRACTURES	% FRACTURES grained pyrrhotite, % FRACTURES grained pyrite, % FRACTURES grained arsenopyrite	
KV89-15	114	114.3	VEINED	% VEINED grained pyrrhotite, % VEINED grained pyrite, % DISSEMINATED grained chalcopyrite	qtz-min
KV89-15	115.1	115.4	VEINED	% VEINED grained pyrite, % VEINED grained chalcopyrite, % VEINED grained pyrrhotite, % DISSEMINATED grained galena	qtz-min
KV89-15	116.5	116.6	VEINED	% VEINED grained pyrrhotite, % VEINED grained galena	qtz-min
KV89-15	119.4	119.7	VEINED	% VEINED grained galena, % VEINED grained pyrrhotite, % VEINED grained pyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-15	119.7	120	FRACTURES	% FRACTURES grained galena	
KV89-15	122.9	124.8	VEINED	30% MASSIVE grained arsenopyrite, 30% MASSIVE grained pyrite, 40% MASSIVE grained pyrrhotite, 2% DISSEMINATED grained galena, 2% DISSEMINATED grained sphalerite, 2% grained chalcopyrite	qyz-calcite-min
KV89-15	124.8	125.3	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV89-15	125.3	126.9	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV89-15	126.9	127.1	VEINED	60% MASSIVE grained sulphide, % grained arsenopyrite, % grained pyrite, % grained pyrrhotite	qtz-min
KV89-15	127.4	128	VEINED	% MASSIVE grained arsenopyrite, % MASSIVE grained pyrrhotite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained galena	qtz-calcite-min
KV89-15	128	129	FRACTURES	% FRACTURES grained pyrrhotite, % FRACTURES grained pyrite	
KV89-15	132.7	132.9	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-15	152.4	153	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV89-15	155	155.3	BRECCIATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite, % BRECCIATED grained sphalerite, % BRECCIATED grained pyrrhotite, % BRECCIATED grained pyrite, % BRECCIATED grained arsenopyrite	qtz-calcite breccia
KV89-2	9.15	55.49	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	
KV89-2	64.63	65.55	VEINED	8% VEINED grained pyrrhotite, 8% VEINED grained sulphides, % VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained galena, % VEINED grained sphalerite, % VEINED grained arsenopyrite, 9% MASSIVE grained pyrrhotite, 8% MASSIVE graine	brecciated qtz
KV89-2	65.55	82.32	VEINLETS	3% VEINLETS grained pyrite, 1% VEINLETS grained sphalerite, 1% VEINLETS grained galena	calcite-qtz
KV89-2	83.38	84.15	VEINED	20% MASSIVE grained pyrrhotite, 10% MASSIVE grained sphalerite, 10% MASSIVE grained galena, 7% DISSEMINATED grained pyrite	qtz-min
KV89-2	84.15	88.41	VEINLETS	3% VEINLETS grained pyrite, 1% VEINLETS grained sphalerite, 1% VEINLETS grained galena	calcite-qtz
KV89-2	88.41	107.6	DISSEMINATED	% DISSEMINATED grained sulphides	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-3	30	32	VEINED	4% VEINED grained sphalerite, 4% VEINED grained galena, 2% VEINED grained pyrite	quartz veins
KV89-3	32.93	35.06	DISSEMINATED	0.1% DISSEMINATED grained pyrite	fault gouge
KV89-3	37.35	37.4	VEINED	10% VEINED grained pyrrhotite, 5% VEINED grained sphalerite, 5% VEINED grained galena	quartz vein
KV89-3	38.72	40.09	VEINED	% DISSEMINATED grained sulphides	thin veins
KV89-3	73.48	77.13	VEINED	8% VEINED grained pyrrhotite, 7% VEINED grained pyrite, 2% VEINED grained galena, 2% VEINED grained sphalerite, 1% VEINED grained chalcopyrite	min in void interstices of qtz vein
KV89-4	32.01	32.02	LAMINATED	% LAMINATED grained sphalerite, % LAMINATED grained galena, 5% FRACTURES grained pyrrhotite, 1% FRACTURES grained sphalerite, 1% DISSEMINATED grained galena	<1mm laminations <1mm laminations
KV89-4	38.26	38.72	VEINED	2% VEINLETS grained pyrite, 1% VEINLETS grained sulphides	bedding-parallel qtz veins
KV89-4	48.7	49.47	VEINED	0.1% VEINED grained sulphides	qtz-calcite vein
KV89-4	64.94	65.55	LAMINATED	% LAMINATED grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-4	66.16	67.07	LAMINATED	% LAMINATED grained pyrrhotite, 15% VEINED grained sphalerite, 5% DISSEMINATED grained galena, 5% VEINED grained arsenopyrite, 5% VEINED grained pyrrhotite	
KV89-4	67.99	68.9	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained sphalerite, % LAMINATED grained galena	
KV89-4	74.7	74.78	VEINED	4% VEINED grained pyrrhotite, 0.1% DISSEMINATED grained galena, 0.1% DISSEMINATED grained arsenopyrite	qtz vein
KV89-4	90.85	92.68	VEINED	% VEINLETS grained pyrite	qtz-pyr veinlets
KV89-4	94.21	94.39	DISSEMINATED	10% DISSEMINATED grained pyrrhotite	
KV89-4	122.41	123.0	VEINED	8% VEINED grained pyrrhotite, 1% VEINED grained galena, 1% VEINED grained sphalerite, 1% VEINED grained arsenopyrie	brecciated qtz vein
KV89-4	123.02	138.4	VUG FILL	0.1% VUG FILL grained sulphides	
KV89-4	138.41	139.3	VEINED	5% VEINED grained arsenopyrite, 3% VEINED grained pyrrhotite, 1% VEINED grained galena, 1% VEINED grained sphalerite	qtz vein
KV89-4	139.33	141.8	VEINED	% BRECCIATED grained sulphides	qtz veins
KV89-5	26.22	36.28	DISSEMINATED	% DISSEMINATED grained sulphides	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-5	39.02	39.18	BRECCIATED	% BRECCIATED grained galena, % BRECCIATED grained sphalerite, % BRECCIATED grained pyrite	
KV89-5	39.18	41.16	FRACTURES	% DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	
KV89-5	41.16	42.68	DISSEMINATED	1% VEINLETS grained sulphides, % DISSEMINATED grained pyrite	
KV89-5	43.17	43.29	VEINED	% VEINED grained pyrite, % VEINED grained sphalerite	
KV89-5	43.9	44.51	DISSEMINATED	2% DISSEMINATED grained pyrite, 2% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained arseonpyrite	
KV89-5	46.04	46.65	BRECCIATED	% BRECCIATED grained pyrite, 20% BRECCIATED grained sulphides	
KV89-5	46.65	48.17	DISSEMINATED	% FRACTURES grained sulphides, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained pyrrhotite	
KV89-5	49.7	50.61	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV89-6	79.88	79.9	VEINED	% VEINED grained sulphides	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-6	81.1	83.84	DISSEMINATED	3% VEINED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV89-6	84.45	86.28	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV89-6	86.28	90.24	DISSEMINATED	% DISSEMINATED grained sphalerite, % DISSEMINATED grained pyrrhotite	
KV89-6	90.58	93.29	VEINED	1% VEINED grained pyrite, 5% VEINED grained galena, 3% VEINED grained sphalerite, 30% VEINED grained arsenopyrite	brecciated
KV89-6	93.9	95.43	VEINED	10% VEINED grained sphalerite, 10% VEINED grained galena, 15% VEINED grained arsenopyrite, 10% VEINED grained pyrrhotite, 10% VEINED grained pyrite, 2% VEINED grained chalcopyrite	
KV89-6	95.43	107.8	DISSEMINATED	% DISSEMINATED grained sulphides	
KV89-6	107.77	108.1	VEINED	5% VEINED grained pyrrhotite, 4% VEINED grained pyrite, 5% VEINED grained sphalerite, 5% VEINED grained galena, 3% VEINED grained arsenopyrite	
KV89-6	108.08	112.8	DISSEMINATED	% DISSEMINATED grained sphalerite	
KV89-6	112.8	121.0	FRACTURES	% FRACTURES grained sphalerite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-7	47.13	47.71	VEINED	50% MASSIVE grained arsenopyrite, 20% MASSIVE grained pyrrhotite, 3% MASSIVE grained galena, 2% MASSIVE grained sphalerite	
KV89-7	48.17	51.22	VEINLETS	% VEINLETS grained sulphides	
KV89-7	52.74	54.15	VEINED	5% VEINED grained pyrrhotite, 3% VEINED grained pyrite, 1% VEINED grained galena, 1% VEINED grained sphalerite, 1% VEINED grained arsenopyrite	
KV89-7	54.36	61.59	VEINLETS	% VEINLETS grained sulphides	
KV89-7	61.59	62.5	BRECCIATED	% BRECCIATED grained pyrite, % BRECCIATED grained sphalerite, % BRECCIATED grained galena	
KV89-7	64.63	65.7	VEINED	8% VEINED grained pyrrhotite, 8% VEINED grained sulphides, % VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained galena, % VEINED grained sphalerite, % VEINED grained arsenopyrite, 9% MASSIVE grained pyrrhotite, 8% MASSIVE graine	brecciated
KV89-7	65.7	65.85	FRACTURES	3% FRACTURES grained sphalerite, 2% FRACTURES grained galena	
KV89-7	66.16	68.14	VEINED	% LAMINATED grained pyrrhotite, 15% VEINED grained sphalerite, 5% DISSEMINATED grained galena, 5% VEINED grained arsenopyrite, 5% VEINED grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-7	68.14	78.66	FRACTURES	2% FRACTURES grained pyrrhotite	
KV89-7	81.1	81.4	VEINED	3% VEINED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV89-7	82.32	82.62	VEINLETS	% VEINLETS grained sulphides	
KV89-7	85.06	85.52	VEINED	15% VEINED grained pyrrhotite, 13% VEINED grained galena, 1% VEINED grained arsenopyrite, 1% VEINED grained sphalerite	
KV89-7	85.52	96.34	FRACTURES	% FRACTURES grained sulphides	
KV89-7	99.39	112.5	LAMINATED	% LAMINATED grained pyrrhotite	
KV89-8	32.01	32.77	BRECCIATED	% LAMINATED grained sphalerite, % LAMINATED grained galena, 5% FRACTURES grained pyrrhotite, 1% FRACTURES grained sphalerite, 1% DISSEMINATED grained galena	
KV89-8	32.7	33.41	FRACTURES	% FRACTURES grained sphalerite, % VEINED grained pyrite, % VEINED grained sphalerite	
KV89-8	33.41	33.84	LAMINATED	10% LAMINATED grained pyrrhotite	
KV89-8	33.84	35.37	DISSEMINATED	% DISSEMINATED grained sulphides	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-8	35.37	35.98	BRECCIATED	4% VEINED grained pyrrhotite, 2% VEINED grained galena, 2% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained arsenopyrite	brecciated qtz vein
KV89-8	35.98	36.59	FRACTURES	% FRACTURES grained sulphides	
KV89-8	36.59	37.2	VEINED	40% VEINED grained spalerite, 10% VEINED grained galena, 10% VEINED grained pyrrhotite, 1% DISSEMINATED grained chalcopyrite, 1% DISSEMINATED grained galena	massive to sheared
KV89-8	39.51	39.82	VEINED	28% VEINED grained pyrrhotite, 7% VEINED grained arsenopyrite, 1% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained galena	
KV89-8	40.61	41.16	VEINED	10% VEINED grained sphalerite, 6% VEINED grained arsenopyrite, 2% DISSEMINATED grained galena, 8% DISSEMINATED grained pyrrhotite, 1% DISSEMINATED grained chalcopyrite	qtz-min, brecciated
KV89-8	41.16	41.65	VEINLETS	1% VEINLETS grained sulphides, % DISSEMINATED grained pyrite	
KV89-8	41.65	41.77	VEINED	1% DISSEMINATED grained sulphides	calcite
KV89-8	43.6	45.43	FRACTURES	% FRACTURES grained sulphides	
KV89-8	48.35	49.7	FRACTURES	% FRACTURES grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-8	51.52	51.59	VEINED	% DISSEMINATED grained sulphides	qtz-calcite
KV89-8	57.32	58.84	DISSEMINATED	% DISSEMINATED grained sulphides	
KV89-8	58.84	58.87	FRACTURES	5% DISSEMINATED grained sulphides	
KV89-8	60.06	60.09	VEINLETS	50% VEINED grained sulphides	calcite
KV89-8	60.09	60.82	VEINLETS	% VEINLETS grained sulphides	calcite-min
KV89-8	60.82	61.07	VEINED	20% VEINED grained pyrrhotite, 20% VEINED grained pyrite	
KV89-8	61.83	61.89	VEINED	15% VEINED grained sphalerite, 13% VEINED grained pyrrhotite, 1% DISSEMINATED grained galena	
KV89-8	67.07	70.61	FRACTURES	% FRACTURES grained sulphides	
KV89-8	70.61	72.26	VEINLETS	9% VEINED grained sphalerite, 8% VEINED grained galena, 1% VEINED grained chalcopyrite, 2% VEINED grained pyrrhotite	
KV89-8	72.26	74.39	FRACTURES	% FRACTURES grained sulphides	
KV89-8	80.18	81.4	FRACTURES	% FRACTURES grained sulphides	
KV89-9	88.72	89.33	LAMINATED	% LAMINATED grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV89-9	101.22	120.7	BRECCIATED	% BRECCIATED grained pyrrhotite	
KV89-9	124.09	125	BRECCIATED	1% grained sulphides	qtz-vein clasts
KV89-9	126.37	126.5	VEINED	1% BRECCIATED grained sulphides	
KV89-9	126.52	127.7	VEINED	70% MASSIVE grained pyrrhotite, 3% FRACTURES grained pyrite, 1% FRACTURES grained galena, 1% FRACTURES grained sphalerite	brecciated
KV89-9	127.74	129.9	FRACTURES	% FRACTURES grained sulphides	
KV89-9	129.88	130.2	DISSEMINATED	% DISSEMINATED grained sulphides	
KV89-9	130.18	133.2	FRACTURES	% FRACTURES grained sulphides	
KV89-9	138.72	138.8	VEINED	% VEINED grained pyrrhotite, % DISSEMINATED grained galena	
KV89-9	143.9	144.1	VEINED	3% VEINED grained pyrrhotite, 2% VEINED grained pyrite	
KV89-9	191.92	192	VEINED	10% VEINED grained pyrite, 1% VEINED grained sphalerite	
KV90-16	44.3	44.8	VEINED	% DISSEMINATED grained pyrrhotite	qtz-min
KV90-16	51.4	65.1	LAMINATED	% LAMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	sullivan horizon

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-16	65.1	79.9	DISSEMINATED	% BLEBBY grained sulphides	
KV90-16	209.7	209.8	VEINED	% VEINED grained sphalerite, % VEINED grained galena, % VEINED grained pyrite, % VEINED grained pyrrhotite	calcite-min
KV90-16	221.6	225	VEINED	25% MASSIVE grained pyrrhotite, 20% MASSIVE grained arsenopyrite, 10% DISSEMINATED grained galena, 5% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained chalcopyrite	qtz-min
KV90-16	235	235.5	DISSEMINATED	% DISSEMINATED grained sphalerite, % DISSEMINATED grained galena, % DISSEMINATED grained arsenopyrite	
KV90-16	236.7	236.9	DISSEMINATED	% DISSEMINATED grained sphalerite, % DISSEMINATED grained arsenopyrite	
KV90-16	240.6	241.3	VEINED	% DISSEMINATED grained sulphides	qtz-calcite-min
KV90-16	249.2	250	VEINED	% DISSEMINATED grained sulphides	calcite-qtz-min
KV90-16	254.3	255	VEINED	30% MASSIVE grained pyrrhotite, 10% MASSIVE grained arsenopyrite, 5% DISSEMINATED grained galena, 5% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained chalcopyrite, 5% DISSEMINATED grained pyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-16	255	264	DISSEMINATED	35% MASSIVE grained pyrrhotite, 30% MASSIVE grained arsenopyrite, 10% BLEBBY grained chalcopyrite, 5% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained galena, % DISSEMINATED grained pyrrhotite	
KV90-17	39.3	40.4	DISSEMINATED	% DISSEMINATED grained pyrrhottite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained galena	
KV90-17	40.4	41	FRACTURES	% MASSIVE grained pyrrhotite, % DISSEMINATED grained sphalerite	shear/veinlets
KV90-17	46	46.5	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-17	46.5	47.9	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained sphalerite	
KV90-17	47.9	48.5	VEINED	20% MASSIVE grained sphalerite, 20% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained galena, 3% DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	qtz-calcite-min
KV90-17	48.5	49	BRECCIATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained sphalerite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-17	49	52.8	LAMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained pyrite	
KV90-17	52.8	54.4	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	
KV90-17	54.4	54.7	VEINED	40% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained sphalerite, 2% DISSEMINATED grained galena, 2% DISSEMINATED grained pyrite	qtz-min
KV90-17	54.7	55.4	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-17	68.8	69.3	VEINED	% LAMINATED grained pyrite, % LAMINATED grained sphalerite, % LAMINATED grained galena, 70% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 2% DISSEMINATED grained chalcopyrite, 2% DISSEMINATED grained spphalerite, 2% DISSEMINATED	massive
KV90-17	69.3	70	BRECCIATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained galena, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained chalcopyrite	
KV90-17	70	71	FRACTURES	% FRACTURES grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-17	105.5	105.7	VEINLETS	% VEINLETS grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	qtz-min
KV90-17	107.3	108.2	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained galena	qtz-chlorite-min
KV90-17	108.2	108.4	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained pyrite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	
KV90-17	108.4	108.9	FRACTURES	% FRACTURES grained pyrrhotite	
KV90-17	108.9	109.1	BRECCIATED	% DISSEMINATED grained chalcopyrite	
KV90-18	69.2	90.8	LAMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	
KV90-18	90.8	90.9	BLEBBY	% BLEBBY grained pyrrhotite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained galena	
KV90-18	90.9	117.8	LAMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	
KV90-18	154	154.5	VEINED	% VEINLETS grained arsenopyrite, % VEINLETS grained galena	qtz-min veinlets

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-18	154.6	161.1	LAMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained arsenopyrite	
KV90-18	161.1	164	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained arsenopyrite	
KV90-18	164	166	LAMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained chalcopyrite	
KV90-18	166.4	166.7	VEINED	% DISSEMINATED grained sulphides, % VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained arsenopyrite	qtz-min
KV90-18	166.7	178.4	LAMINATED	% DISSEMINATED grained pyrrhotite	
KV90-18	179.3	179.5	FRACTURES	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	
KV90-19	84.8	84.85	LAMINATED	% MASSIVE grained pyrite	
KV90-19	88.6	88.65	LAMINATED	% MASSIVE grained pyrite	
KV90-19	101.3	101.4	MASSIVE	% MASSIVE grained sphalerite	
KV90-19	102.3	102.6	MASSIVE	% MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite, % MASSIVE grained galena	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-19	102.6	106.7	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-19	106.7	107	VEINED	15% MASSIVE grained pyrrhotite, 8% MASSIVE grained arsenopyrite, 5% DISSEMINATED grained sphalerite, 2% DISSEMINATED grained galens	
KV90-19	107	112.1	FRACTURES	% FRACTURES grained pyrrhotite, % FRACTURES grained galena, % FRACTURES grained sphalerite	
KV90-19	112	114.3	VEINLETS	% DISSEMINATED grained pyrrhotite	calcite-min
KV90-19	114.34	115.5	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite, % MASSIVE grained arsenopyrite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena	qtz-calcite-min
KV90-19	119.5	121	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained galena	
KV90-19	121.5	129.7	VEINLETS	% DISSEMINATED grained sphalerite, % DISSEMINATED grained pyrrhotite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrite	qtz-min
KV90-19	132	132.1	VEINED	% MASSIVE grained sulphide	qtz-min
KV90-19	135	138	VEINLETS	% VEINLETS grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-19	138	138.1	MASSIVE	% LAMINATED grained pyrrhotite, % LAMINATED grained galena, % LAMINATED grained sphalerite	
KV90-19	138.09	149.4	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained galena, % LAMINATED grained sphalerite	
KV90-20	47	71	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-20	71	71.5	FRACTURES	% FRACTURES grained sphalerite	
KV90-20	147.6	147.8	VEINLETS	% VEINLETS grained sulphide	qtz-min
KV90-20	147.8	148.6	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % FRACTURES grained sphalerite	
KV90-20	171.95	172.6	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-20	223.7	225	DISSEMINATED	% DISSEMINATED grained pyrite	silicified-min
KV90-20	225	232.3	FRACTURES	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite, % VEINLETS grained pyrite, % VEINLETS grained pyrrhotite	
KV90-20	239.3	241.7	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-20	248.1	248.2	DISSEMINATED	% DISSEMINATED grained sphalerite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-21	94.6	96.34	NODULAR	% NODULAR grained chalcopyrite, % NODULAR grained pyrite, % NODULAR grained arsenopyrite	qtz-min nodules
KV90-21	97	97.1	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-21	114.79	114.9	FRACTURES	% FRACTURES grained sullphides	
KV90-21	115.9	116.6	FRACTURES	% FRACTURES grained sulphides	
KV90-21	125.6	126	BRECCIATED	% DISSEMINATED grained sulphides	
KV90-21	129	129.4	BRECCIATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-21	140.5	142.2	VEINLETS	% grained sulphide	calcite-min
KV90-21	147.3	148	VEINED	12% VEINED grained galena, 3% VEINED grained pyrrhotite	calcite-min
KV90-21	149.4	152.3	FRACTURES	% FRACTURES grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	
KV90-21	152.3	152.6	VEINED	% MASSIVE grained pyrite, % MASSIVE grained pyrrhotite, % VEINED grained arsenopyrite	qtz-min
KV90-22	34.1	34.15	LAMINATED	% MASSIVE grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-22	49.5	50	VEINLETS	% VEINLETS grained sulphide	
KV90-22	52	53	VEINED	20% MASSIVE grained pyrrhotite, 20% MASSIVE grained arsenopyrite, 5% DISSEMINATED grained galena, 5% DISSEMINATED grained sphalerite	qtz-min
KV90-22	57.7	58	VEINED	20% MASSIVE grained pyrite, 10% MASSIVE grained sphalerite	qtz-min
KV90-22	64.93	65.13	VEINED	% MASSIVE grained galena, % MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite	qtz-min
KV90-22	69.8	71	VEINLETS	% VEINLETS grained galena, % VEINLETS grained sphalerite, % VEINLETS grained pyrrhotite, % VEINLETS grained pyrite	qtz-calcite-min
KV90-22	73	75.6	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-22	79	79.8	VEINLETS	% DISSEMINATED grained pyrite	
KV90-22	81.2	81.4	BRECCIATED	% DISSEMINATED grained pyrite	
KV90-22	163	163.3	VEINED	% VEINED grained pyrite	qtz
KV90-22	164.9	185.7	LAMINATED	% LAMINATED grained pyrite, % LAMINATED grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-23	319.4	320	VEINED	% VEINED grained pyrite, % VEINED grained arsenopyrite, % VEINED grained sphalerite	hagen fault min
KV90-23	365.2	368.5	FRACTURES	% DISSEMINATED grained pyrite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained pyrrhotite, % DISSEMINATED grained arsenopyrite	
KV90-23	368.5	369	VEINED	10% VEINED grained pyrite, 10% VEINED grained pyrrhotite, 1% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained arsenopyrite	calcite-min
KV90-23	369	378.6	VEINLETS	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	calcite-qtz-min
KV90-23	379.9	381.8	VEINED	30% MASSIVE grained pyrrhotite, 10% VEINED grained arsenopyrite, 5% DISSEMINATED grained pyrite	qtz-siderite-min
KV90-23	382.8	383.8	VEINLETS	% VEINLETS grained galena, % VEINLETS grained pyrrhotite, % VEINLETS grained sphalerite	qtz-min veinlet
KV90-23	383.8	384.1	VEINED	30% MASSIVE grained pyrrhotite	qyz-min
KV90-23	384.1	384.6	DISSEMINATED	% DISSEMINATED grained sulphides	
KV90-23	384.6	385.6	DISSEMINATED	% DISSEMINATED grained pyrite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-24	166.4	166.7	DISSEMINATED	% DISSEMINATED grained sulphides, % VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained arsenopyrite	
KV90-24	167.73	168.7	BRECCIATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	
KV90-24	168.7	169.4	VEINED	40% BRECCIATED grained pyrrhotite, 10% BRECCIATED grained sphalerite, 10% BRECCIATED grained pyrite, 3% DISSEMINATED grained arsenopyrite, 2% DISSEMINATED grained galena	
KV90-24	169.4	169.8	BRECCIATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-24	169.8	170.6	VEINED	50% MASSIVE grained sulphides	qtz-calcite-min
KV90-24	181.6	182.2	DISSEMINATED	% DISSEMINATED grained sulphides	
KV90-24	182.2	182.8	VEINED	20% MASSIVE grained pyrite, 20% MASSIVE grained arsenopyrite, 5% DISSEMINATED grained galena, 5% DISSEMINATED grained sphalerite	qtz-min
KV90-24	182.8	184.1	DISSEMINATED	% DISSEMINATED grained sulphides	
KV90-24	184.1	184.6	VEINED	25% MASSIVE grained arseonpyrite, 25% MASSIVE grained pyrrhotite, 10% DISSEMINATED grained sphalerite, 10% DISSEMINATED grained galena	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-24	184.6	197.3	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % VEINLETS grained galena, % DISSEMINATED grained sphalerite	
KV90-26	111	117.4	VEINLETS	% VEINLETS grained sphalerite	
KV90-26	139.6	139.7	VEINED	% VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained chalcopyrite	qtz-min
KV90-26	186	186.5	VEINLETS	% VEINED grained pyrrhotite, % VEINED grained pyrite	
KV90-26	197.6	197.9	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained galena	sullivan horizon
KV90-26	200.4	203.2	BRECCIATED	% DISSEMINATED grained sphalerite, % DISSEMINATED grained arsenopyrite	
KV90-26	203.2	217.8	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite, % DISSEMINATED grained arsenopyrite	
KV90-26	217.8	219.2	VEINED	% BRECCIATED grained pyrite, % BRECCIATED grained galena, % BRECCIATED grained sphalerite, % BRECCIATED grained arsenopyrite	
KV90-26	219.2	221	DISSEMINATED	% DISSEMINATED grained sulphides	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-26	221	246.4	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	
KV90-26	250.6	252.4	BRECCIATED	60% MASSIVE grained arsenopyrite, 15% MASSIVE grained pyrrhotite, 3% DISSEMINATED grained chalcopyrite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrite	
KV90-27	262	265	DISSEMINATED	% DISSEMINATED grained suphides, % VEINLETS grained pyrite	
KV90-27	266	267.5	BRECCIATED	8% BRECCIATED grained pyrrhotite, 2% BRECCIATED grained arsenopyrite	
KV90-27	267.5	269	DISSEMINATED	% grained sulphides	
KV90-27	269.6	270.3	VEINED	50% MASSIVE grained pyrrhotite, 8% MASSIVE grained arsenopyrite, 2% VEINLETS grained pyrite, 2% DISSEMINATED grained galena, 2% DISSEMINATED grained sphalerite	calcite-chl-min
KV90-27	270.3	271	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-27	274.7	276.7	VEINED	30% VEINED grained sulphides	qtz-chl-calcite-min
KV90-27	297.5	297.8	VEINED	80% MASSIVE grained sulphides	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-28	247.6	247.6	VEINED	% VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained chalcopyrite, % VEINED grained lead	
KV90-28	248.2	248.3	VEINED	% VEINED grained pyrrhotite, % VEINED grained pyrite	
KV90-28	250.2	250.3	VEINED	% VEINED grained pyrrhotite, % VEINED grained pyrite, % VEINED grained chalcopyrite	
KV90-28	252.5	252.7	VEINED	% grained pyrrhotite, % grained pyrite, % grained chalcopyrite	
KV90-28	253.7	253.8	VEINED	% grained pyrrhotite, % grained pyrite, % grained chalcopyrite	
KV90-29	42.1	53	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	sullivan horizon
KV90-29	53	53.1	VEINED	% VEINED grained pyrite, % VEINED grained arsenopyrite, % VEINED grained sphalerite, % VEINED grained chalcopyrite	qtz-min
KV90-29	53.1	58.5	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite	sullivan horizon

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-29	246.3	256	VEINED	20% VEINED grained arsenopyrite, 5% DISSEMINATED grained pyrite, 10% VEINED grained pyrrhotite, 5% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained chaclopyrite, 5% VEINED grained galena	qtz-calcite-min
KV90-29	256	268.3	BRECCIATED	% VEINED grained arsenopyrite, % VEINED grained pyrite, % VEINED grained galena, % VEINED grained sphalerite, % VEINED grained pyrrhotite	
KV90-29	268.3	271.3	VEINED	30% MASSIVE grained pyrrhotite, 20% MASSIVE grained arsenopyrite, 10% MASSIVE grained pyrite, 5% DISSEMINATED grained sphalerite, 3% DISSEMINATED grained chalcopyrite, 5% DISSEMINATED grained galena	qtz-min
KV90-29	272.4	273.7	DISSEMINATED	% grained sulphides	
KV90-29	273.7	279.5	VEINED	% VEINED grained arsenopyrite, % DISSEMINATED grained pyrite, % VEINED grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained sphalerite, % grained	qtz-min
KV90-29	279.5	283.8	VEINLETS	% grained sphalerite, % grained pyrrhotite, % grained arsenopyrite	
KV90-29	288.2	296.8	VEINLETS	% grained sphalerite	calcite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-29	296.8	298.4	BRECCIATED	30% VEINLETS grained pyrrhotite, 10% VEINLETS grained arseonpyrite, 5% VEINLETS grained galena, 5% VEINLETS grained chalcopyrite, 5% VEINLETS grained sphalerite	cataclastic
KV90-29	319.5	323.2	VEINED	% grained sulphide, % DISSEMINATED grained sulphides	qtz-calcite-min
KV90-29	334	357.9	DISSEMINATED	% FRACTURES grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained chalcopyrite	
KV90-30	77.1	99.4	VEINLETS	% VEINLETS grained pyrite, % VEINLETS grained pyrrhotite, % VEINLETS grained chalcopyrite	thin qtz veinlets
KV90-30	132.3	132.5	VEINED	35% VEINED grained pyrrhotite, 25% VEINED grained pyrite, 2% DISSEMINATED grained chalcopyrite	qtz-min
KV90-30	357.9	361.2	FRACTURES	% FRACTURES grained pyrite, % FRACTURES grained pyrrhotite, % FRACTURES grained galena, % FRACTURES grained sphalerite	
KV90-30	370	371.6	FRACTURES	% VEINED grained sulphides	
KV90-30	371.6	373.4	VEINED	10% FRACTURES grained pyrite, 10% FRACTURES grained pyrrhotite, 5% FRACTURES grained arsenopyrite, 1% DISSEMINATED grained galena	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-30	373.4	375.8	DISSEMINATED	1% grained sulphides	
KV90-30	375.8	376	VEINED	30% grained sulphides	
KV90-30	385.3	396.5	FRACTURES	3% grained sulphides	
KV90-30	396.5	397	VEINED	% VEINED grained sulphides	qtz-min, brecciated
KV90-30	397	403	FRACTURES	3% grained sulphides	
KV90-30	403	409.7	DISSEMINATED	1% DISSEMINATED grained pyrite, 1% DISSEMINATED grained arsenopyrite	silicified zone
KV90-30	409.7	435.9	FRACTURES	% FRACTURES grained pyrite	
KV90-31	75.2	129	VEINLETS	% VEINLETS grained pyrrhotite	qtz-min
KV90-31	303	303.1	VEINED	% MASSIVE grained sphalerite	massive sphalerite
KV90-31	303.1	306.4	VEINLETS	% BLEBBY grained pyrrhotite, % VEINLETS grained sphalerite	
KV90-31	306.4	307	VEINED	30% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 5% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained chalcopyrite, 3% DISSEMINATED grained galena	qtz-calcite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-31	314.3	316.3	VEINED	30% VEINED grained arsenopyrite, 15% VEINED grained pyrite, 5% BLEBBY grained galena, 5% BLEBBY grained chalcopyrite	qtz-min
KV90-31	316.3	317	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-31	317	318	VEINED	30% MASSIVE grained pyrrhotite, 10% BLEBBY grained pyrite, 10% DISSEMINATED grained arsenopyrite, 1% DISSEMINATED grained chalcopyrite	qtz-min
KV90-31	318	318.2	DISSEMINATED	% DISSEMINATED grained pyrite, % BRECCIATED grained galena, % BRECCIATED grained pyrite	
KV90-31	318.2	321	VEINED	% BLEBBY grained arsenopyrite	smoky qtz-min
KV90-31	321	322	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-31	322	328	VEINED	30% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 8% MASSIVE grained arsenopyrite, 1% DISSEMINATED grained galena, 1% DISSEMINATED grained chalcopyrite	qtz-min
KV90-31	328.7	333	VEINED	25% DISSEMINATED grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 1% DISSEMINATED grained chalcopyrite, 1% DISSEMINATED grained galena, 2% LAMINATED grained sphalerite	qtz-chlorite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-31	336	337.5	VEINED	35% MASSIVE grained pyrrhotite, 25% MASSIVE grained arsenopyrite, 10% BLEBBY grained galena, 10% MASSIVE grained sphalerite	qtz-min
KV90-31	349.3	350.3	VEINED	2% DISSEMINATED grained arsenopyrite, 2% DISSEMINATED grained pyrrhotite, 1% DISSEMINATED grained galena	qtz-min
KV90-31	365.8	368.8	DISSEMINATED	% BLEBBY grained pyrite, % BLEBBY grained pyrrhotite	
KV90-31	368.8	380.2	FRACTURES	% FRACTURES grained pyrrhotite, % FRACTURES grained sphalerite, % FRACTURES grained galena	
KV90-32	131	131.1	VEINED	% VEINED grained pyrite	qtz-min
KV90-32	139.3	213.1	LAMINATED	% DISSEMINATED grained pyrite	
KV90-32	255.2	255.4	LAMINATED	% LAMINATED grained pyrite	
KV90-32	275	275.2	LAMINATED	% LAMINATED grained pyrite	
KV90-32	305.5	309.5	VEINLETS	% VEINLETS grained pyrite, % VEINLETS grained arsenopyrite, % VEINLETS grained sphalerite, % VEINLETS grained galena	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-32	309.5	315	VEINED	45% MASSIVE grained pyrrhotite, 15% MASSIVE grained arsenopyrite, 10% BLEBBY grained chalcopyrite, 5% BLEBBY grained galena, 5% DISSEMINATED grained sphalerite	qtz-min
KV90-32	318	319	BRECCIATED	% DISSEMINATED grained pyrite, % BRECCIATED grained galena, % BRECCIATED grained pyrite	qtz-min
KV90-32	320	331	VEINLETS	% DISSEMINATED grained chalcopyrite, % DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV90-32	332	335.2	VEINED	40% MASSIVE grained pyrrhotite, 15% MASSIVE grained sphalerite, 3% DISSEMINATED grained galena, 3% DISSEMINATED grained arsenopyrite, 3% DISSEMINATED grained chalcopyrite	qtz-min
KV90-32	340.5	346	VEINLETS	10% VEINLETS grained pyrrhotite, 3% VEINLETS grained galena, 3% DISSEMINATED grained arsenopyrite, 3% DISSEMINATED grained pyrite	qtz-min veinlets <10cm
KV90-32	346	347.2	VEINED	40% MASSIVE grained pyrrhotite, 5% MASSIVE grained arsenopyrite, 5% BLEBBY grained chalcopyrite, 5% BLEBBY grained sphalerite, 5% DISSEMINATED grained galena	qtz-min
KV90-32	355.7	356.7	VEINLETS	% VEINLETS grained sphalerite, % VEINLETS grained pyrrhotite, % VEINLETS grained pyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-32	361.7	362.7	VEINED	10% VEINED grained arsenopyrite, 2% VEINED grained pyrite, 2% DISSEMINATED grained sphalerite	smoky qtz-min
KV90-32	369.1	369.3	VEINLETS	% MASSIVE grained arsenopyrite	smoky qtz-min
KV90-32	376	380	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	
KV90-33	275.6	275.7	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained chalcopyrite	qtz-calcite-min
KV90-33	279.4	281.8	VEINED	10% MASSIVE grained pyrite, 40% MASSIVE grained pyrrhotite, 3% BLEBBY grained sphalerite, 3% BLEBBY grained arsenopyrite, 1% VEINED grained galena	qtz-min
KV90-33	292.3	292.5	VEINED	% VEINED grained pyrrhotite, % VEINED grained arsenopyrite	qtz-min
KV90-33	300	300.3	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-34	36	36.9	LAMINATED	% LAMINATED grained pyrite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-34	63.4	70.6	LAMINATED	% BLEBBY grained pyrite, % LAMINATED grained pyrrhotite, % LAMINATED grained sphalerite	
KV90-34	244.8	245.2	VEINED	40% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 5% DISSEMINATED grained arsenopyrite	qtz-min
KV90-34	246.2	247.2	BRECCIATED	5% DISSEMINATED grained pyrrhotite, 2% DISSEMINATED grained pyrite, 1% DISSEMINATED grained arsenopyrite	
KV90-34	259.1	260.4	VEINED	28% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 3% BLEBBY grained pyrite	qtz-chlorite-min
KV90-34	260.4	260.7	FRACTURES	% FRACTURES grained pyrite	
KV90-34	260.7	262	VEINED	35% MASSIVE grained pyrrhotite, 5% BLEBBY grained pyrite, 3% DISSEMINATED grained arsenopyrite, 3% DISSEMINATED grained sphalerite, 3% DISSEMINATED grained galena	qtz-min
KV90-34	262	269.4	VEINLETS	% DISSEMINATED grained suphides, % VEINLETS grained pyrite	
KV90-34	269.4	273	VEINED	5% DISSEMINATED grained arsenopyrite, 10% BLEBBY grained pyrite, 5% DISSEMINATED grained galena, 10% MASSIVE grained pyrrhotite	qtz-chlorite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-34	273	274.2	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	
KV90-34	274.2	275.2	VEINED	% MASSIVE grained pyrite, % MASSIVE grained pyrrhotite, % BLEBBY grained arsenopyrite, % DISSEMINATED grained sphalerite	qtz-chlorite-min
KV90-34	275.2	276.2	VEINLETS	% VEINLETS grained pyrite, % VEINLETS grained arsenopyrite, % VEINLETS grained sphalerite	qtz-calcite-min
KV90-34	294.8	295.4	DISSEMINATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena	
KV90-35	68.8	77.3	LAMINATED	% LAMINATED grained pyrite, % LAMINATED grained sphalerite, % LAMINATED grained galena, 70% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 2% DISSEMINATED grained chalcopyrite, 2% DISSEMINATED grained spphalerite, 2% DISSEMINATED	
KV90-35	250.6	251	VEINED	60% MASSIVE grained arsenopyrite, 15% MASSIVE grained pyrrhotite, 3% DISSEMINATED grained chalcopyrite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrite	qtz-sulphide vein

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-35	255	257	VEINED	35% MASSIVE grained pyrrhotite, 30% MASSIVE grained arsenopyrite, 10% BLEBBY grained chalcopyrite, 5% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained galena, % DISSEMINATED grained pyrrhotite	massive sulphide vein with qtz eyes
KV90-35	267	267.7	VEINED	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	qtz vein
KV90-35	271.3	273.9	VEINED	30% MASSIVE grained arsenopyrite, 30% MASSIVE grained pyrrhotite, 10% DISSEMINATED grained sphalerite, 5% DISSEMINATED grained pyrite, 3% DISSEMINATED grained galena, 2% DISSEMINATED grained chalcopyrite	qtz-calcite vein
KV90-35	274.9	275.9	BRECCIATED	% BRECCIATED grained pyrite, % BRECCIATED grained arsenopyrite, % BRECCIATED grained pyrrhotite, % BRECCIATED grained chalcopyrite, % BRECCIATED grained sphalerite	
KV90-36	70.1	77.7	LAMINATED	% LAMINATED grained pyrite	
KV90-36	85.7	86.9	DISSEMINATED	% DISSEMINATED grained pyrite	increased amount
KV90-36	119.8	120.3	VEINED	% VEINED grained pyrrhotite, % VEINED grained pyrite	calcite
KV90-36	281	282	DISSEMINATED	% DISSEMINATED grained sulphides, % DISSEMINATED grained pyrite	breccia zone wih qtz-calcite veinlets

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-36	282	283	VEINED	30% MASSIVE grained galena, 30% MASSIVE grained pyrrhotite, 5% MASSIVE grained arsenopyrite, 3% MASSIVE grained chalcopyrite, 2% MASSIVE grained pyrite, 1% MASSIVE grained sphalerite	sulphides 60-80%
KV90-36	283	284	VEINED	72% MASSIVE grained pyrrhotite, 5% MASSIVE grained arsenopyrite, 1% MASSIVE grained chalcopyrite, 1% MASSIVE grained galena, 1% MASSIVE grained sphalerite	sulphides 80%
KV90-36	284	285.7	BRECCIATED	% BRECCIATED grained pyrite, % VEINLETS grained galena	breccia wih calcite matrix
KV90-36	289.6	290.6	VEINED	40% MASSIVE grained pyrrhotie, 40% MASSIVE grained arsenopyrite	qtz eyes
KV90-36	290.6	291.6	VEINED	34% MASSIVE grained pyrrhotite, 34% MASSIVE grained arsenopyrite, 10% DISSEMINATED grained chalcopyrite, 1% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained galena	
KV90-36	291.6	292.6	VEINED	34% grained pyrrhotite, 8% grained chalcopyrite, 34% grained arsenopyrite, 2% grained galena, 2% grained sphalerite	
KV90-36	311.2	312.2	VEINED	14% MASSIVE grained pyrrhotite, 3% MASSIVE grained arsenopyrite, 3% MASSIVE grained chalcopyrite	qtz vein

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-37	341.2	341.2	LAMINATED	% LAMINATED grained pyrite	
KV90-37	365.4	379.4	VEINED	20% MASSIVE grained pyrrhotite, 20% MASSIVE grained arsenopyrite, 5% DISSEMINATED grained chalcopyrite, 1% DISSEMINATED grained galena, 1% DISSEMINATED grained sphalerite	
KV90-37	379.4	380.8	DISSEMINATED	0.1% DISSEMINATED grained sulphides	
KV90-37	380.8	381.5	VEINED	44% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 1% DISSEMINATED grained chalcopyrite	
KV90-37	384.5	385.7	VEINED	65% MASSIVE grained pyrrhotite, 10% DISSEMINATED grained arsenopyrite, 5% DISSEMINATED grained chalcopyrite	
KV90-37	387.7	388	FRACTURES	% FRACTURES grained pyrite, % FRACTURES grained arsenopyrite	in calcite
KV90-37	388	390	VEINED	60% MASSIVE grained pyrrhotite, 10% DISSEMINATED grained arsenopyrite, 5% MASSIVE grained chalcopyrite, 3% DISSEMINATED grained sphalerite, 2% DISSEMINATED grained galena	
KV90-37	418.3	419.2	FRACTURES	% DISSEMINATED grained pyrite, % DISSEMINATED grained arsenopyrite	in calcite

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-37	419.2	427.8	VEINED	60% MASSIVE grained pyrrhotite, 10% DISSEMINATED grained arsenopyrite, 5% DISSEMINATED grained galena, 5% BLEBBY grained chalcopyrite	
KV90-37	430.4	430.8	VEINED	60% MASSIVE grained pyrrhotite, 20% MASSIVE grained arsenopyrite	
KV90-38	298.2	311	LAMINATED	% LAMINATED grained pyrrhotite	
KV90-38	494.5	498.5	VEINED	% MASSIVE grained pyrrhotite, % DISSEMINATED grained sphalerite	not sampled
KV90-38	511.2	513.7	VEINED	% MASSIVE grained sphalerite, % DISSEMINATED grained pyrite, % MASSIVE grained pyrrhotite, % DISSEMINATED grained galena, % MASSIVE grained arsenopyrite	qtz-calcite veins
KV90-38	523.8	524.8	VEINLETS	% VEINLETS grained sphalerite, % VEINLETS grained galena	scattered, irregular veinlets
KV90-38	524.8	525.8	VEINED	25% MASSIVE grained pyrrhotite, 25% MASSIVE grained pyrite, 5% DISSEMINATED grained galena, 5% DISSEMINATED grained arsenopyrite	qtz
KV90-38	544.2	545.2	DISSEMINATED	% DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-38	545.2	547.2	FRACTURES	% FRACTURES grained sphalerite, % FRACTURES grained pyrrhotite, % FRACTURES grained galena, % FRACTURES grained pyrite, % FRACTURES grained arsenopyrite	
KV90-38	547.2	548.2	BRECCIATED	% VEINLETS grained sphalerite, % VEINLETS grained galena, % VEINLETS grained pyrite, % VEINLETS grained pyrrhotite	qtz-sulphide veinlets
KV90-38	549.2	554.2	FRACTURES	% FRACTURES grained pyrite, % FRACTURES grained sphalerite, % FRACTURES grained galena	min in fracs/fault
KV90-38	554.2	557.6	DISSEMINATED	% grained sulphides, % grained pyrite	
KV90-38	557.6	560	VEINED	14% MASSIVE grained arsenopyrite, 12% MASSIVE grained pyrrhotite, 12% MASSIVE grained galena, 12% MASSIVE grained sphalerite	qtz-sulphide
KV90-39	225	229	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite, % VEINLETS grained pyrite, % VEINLETS grained pyrrhotite	qtz
KV90-39	298	301.2	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite	
KV90-39	301.2	328.2	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite	veins/crackle breccia
KV90-39	381.7	436.3	LAMINATED	% LAMINATED grained pyrrhotite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-39	483.5	489.9	DISSEMINATED	% DISSEMINATED grained sulphides	sullivan horizon
KV90-39	491.3	492.5	VEINED	5% DISSEMINATED grained pyrite, 50% MASSIVE grained pyrrhotite, 2% DISSEMINATED grained galena, 1% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained arsenopyrite, 1% DISSEMINATED grained chalcopyrite	vine
KV90-39	492.5	496.6	DISSEMINATED	% DISSEMINATED grained sulphides, % FRACTURES grained sphalerite, % FRACTURES grained galena	
KV90-39	496.6	497.6	VEINED	50% MASSIVE grained sulphides	vine
KV90-39	497.6	528	VEINLETS	% VEINLETS grained sulphides	qtz-calcite-min
KV90-39	528	531.5	VEINED	62% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained arsenopyrite, 1% grained sphalerite, 1% grained chalcopyrite, 1% grained pyrite	qtz-min
KV90-39	531.5	532.5	DISSEMINATED	% BLEBBY grained pyrrhotite	
KV90-39	533.6	534.5	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained arsenopyrite	
KV90-40	215.8	215.9	VEINLETS	% VEINLETS grained sphalerite	calcite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-40	375.2	377.2	VEINED	50% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 1% DISSEMINATED grained chalcopyrite, 1% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained arsenopyrite, 1% grained galena	qtz-min
KV90-40	389.7	390.1	VEINED	2% grained pyrite, 1% grained arsenopyrite, 1% grained sphalerite	
KV90-40	398.1	399.4	VEINED	12% MASSIVE grained pyrrhotite, 3% DISSEMINATED grained arsenopyrite, 5% MASSIVE grained pyrite, 2% DISSEMINATED grained sphalerite, 1% DISSEMINATED grained chalcopyrite, 1% DISSEMINATED grained galena	
KV90-40	399.4	402.3	BRECCIATED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite	qtz-min
KV90-40	402.3	403.4	VEINED	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained galena, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrite	qtz-min
KV90-40	405.4	408.6	VEINED	% MASSIVE grained pyrrhotite, % DISSEMINATED grained arsenopyrhite, % DISSEMINATED grained sphalerite	qtz-calcite-min, calcite: later stage

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-40	408.6	413.2	VEINED	60% MASSIVE grained pyrrhotite, 10% MASSIVE grained sphalerite, 5% DISSEMINATED grained galena, 5% DISSEMINATED grained arsenopyrite, 5% DISSEMINATED grained chalcopyrite, 5% DISSEMINATED grained pyrite	massive shulphides-qtz 'eyes'
KV90-40	416.1	417.3	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite	
KV90-40	417.3	421.5	VEINED	% MASSIVE grained pyrrhotite, % DISSEMINATED grained arsenopyrite, % DISSEMINATED grained chalcopyrite	calcite-qtz-min
KV90-40	442.9	443	VEINLETS	% VEINLETS grained pyrrhotite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained sphalerite	qtz-min
KV90-40	447.3	448.4	VEINED	5% grained pyrrhotite, 1% grained chalcopyrite, 1% grained arsenopyrite	qtz-calcite-min
KV90-40	468.6	470.2	VEINED	30% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 2% DISSEMINATED grained chalcopyrite	qtz-calcite-min
KV90-40	488.3	488.5	DISSEMINATED	% DISSEMINATED grained pyrrhotite	
KV90-40	523	523.3	VEINED	% VEINED grained pyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-40	525.5	550.9	VEINLETS	% VEINLETS grained pyrrhotite, % BLEBBY grained pyrite	
KV90-41	139.4	139.4	VEINED	% grained pyrrhotite, % grained pyrite	
KV90-41	289.7	293.2	DISSEMINATED	% grained sphalerite	
KV90-41	345	345.2	VEINED	% grained pyrrhotite	
KV90-41	549.9	567.3	LAMINATED	% LAMINATED grained pyrrhotite, % LAMINATED grained pyrite, % LAMINATED grained sphalerite	
KV90-41	616.2	621.2	FRACTURES	% FRACTURES grained sulphides	
KV90-41	621.2	623.3	VEINED	% grained pyrrhotite, % grained pyrite, % grained chalcopyrite	
KV90-41	639.5	639.8	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite, % MASSIVE grained pyrite, % MASSIVE grained arsenopyrite, % MASSIVE grained galena	
KV90-41	645.1	645.7	VEINED	15% grained sulphides	
KV90-41	652.6	666.3	VEINED	% grained sulphides	
KV90-41	666.3	669	FRACTURES	% FRACTURES grained sulphides	
KV90-41	670	670.1	VEINED	20% grained sulphides	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-41	684.1	688.1	VEINLETS	% grained pyrrhotite, % grained pyrite	
KV90-41	695.6	696.8	FRACTURES	60% MASSIVE grained sulphides	
KV90-41	705.9	707.9	VEINED	10% VEINED grained sulphides	
KV90-41	712	712.2	VEINED	% grained pyrite, % grained pyrrhotite, % grained sphalerite, % grained arsenopyrite	
KV90-41	714.9	715.8	VEINED	% DISSEMINATED grained pyrite	
KV90-41	719.9	721.8	VEINED	75% MASSIVE grained sulphides	
KV90-41	721.8	722.1	DISSEMINATED	% grained pyrrhotite, % grained pyrite, % grained sphalerite	
KV90-41	735.5	747.4	DISSEMINATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite, % FRACTURES grained sphalerite, % DISSEMINATED grained chalcopyrite, % VEINED grained arseonpyrite	
KV90-41	756.8	757.6	VEINED	50% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 10% MASSIVE grained galena, 10% MASSIVE grained sphalerite, 5% MASSIVE grained chalcopyrite, 5% MASSIVE grained arsenopyrite	
KV90-41	757.6	760.3	DISSEMINATED	% grained galena, % grained sphalerite, % grained pyrrhotite, % grained pyrite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-41	762.5	762.6	VEINED	% VEINED grained sphalerite	
KV90-42	8.1	8.2	BRECCIATED	% BRECCIATED grained pyrite, % BRECCIATED grained galena	
KV90-42	8.2	9.2	VEINED	10% MASSIVE grained pyrrhotite, 3% DISSEMINATED grained galena, 3% DISSEMINATED grained sphalerite, 2% DISSEMINATED grained pyrite	qtz-min
KV90-42	9.2	12.3	VEINLETS	% VEINLETS grained pyrite, % VEINLETS grained galena	
KV90-42	12.3	12.5	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-42	12.5	13	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained pyrite, % DISSEMINATED grained galena	
KV90-42	13	13.8	DISSEMINATED	% FRACTURES grained sphalerite, % FRACTURES grained pyrite, % DISSEMINATED grained chalcopyrite, 30% MASSIVE grained pyrrhotite, 5% VEINED grained pyrite, 5% VEINED grained sphalerite, % DISSEMINATED grained pyrite	
KV90-42	16.7	16.8	VEINED	% VEINED grained sulphides	qtz-min
KV90-42	17.75	17.9	BRECCIATED	% VEINLETS grained pyrite	qtz-calcite-min
KV90-42	23.65	23.85	DISSEMINATED	% DISSEMINATED grained pyrite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-42	28.3	35.5	VEINLETS	% VEINLETS grained sphalerite	calcite-min
KV90-43	15.5	15.75	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained pyrite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	
KV90-43	20.5	21.1	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained arsenopyrite	calcite-min
KV90-43	23.5	24.7	VEINLETS	% VEINLETS grained pyrite, % VEINLETS grained galena, % VEINLETS grained sphalerite, % VEINLETS grained arsenopyrite	qtz-calcite-min
KV90-43	25.7	25.9	VEINED	% DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	
KV90-43	26.5	27	VEINED	% VEINED grained pyrite, % VEINED grained pyrrhotite, % DISSEMINATED grained galena	calcite-min
KV90-44	13	13.9	VEINED	% FRACTURES grained sphalerite, % FRACTURES grained pyrite, % DISSEMINATED grained chalcopyrite, 30% MASSIVE grained pyrrhotite, 5% VEINED grained pyrite, 5% VEINED grained sphalerite, % DISSEMINATED grained pyrite	
KV90-44	21.4	21.45	VEINLETS	% VEINLETS grained pyrite, % VEINLETS grained sphalerite, % DISSEMINATED grained galena	qtz-calcite-min
KV90-44	27.6	28	VEINED	% grained pyrite	qtz-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-44	33	33.8	VEINED	% BRECCIATED grained pyrrhotite, % BRECCIATED grained pyrite, % DISSEMINATED grained galena	qtz-calcite-min
KV90-45	15.9	15.95	FRACTURES	% FRACTURES grained sphalerite	
KV90-45	17.2	17.5	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite, % DISSEMINATED grained galena	
KV90-45	17.5	18	FRACTURES	% DISSEMINATED grained sphalerite, % FRACTURES grained pyrrhotite, % DISSEMINATED grained galena	
KV90-46	20.8	21.3	BRECCIATED	% DISSEMINATED grained pyrite	
KV90-46	23.6	24.6	VEINLETS	% DISSEMINATED grained pyrite, % DISSEMINATED grained galena, % DISSEMINATED grained arsenopyrite	qtz-min
KV90-46	26.7	26.9	VEINED	% DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	qtz
KV90-46	26.9	33.4	VEINLETS	% VEINLETS grained galena, % VEINLETS grained sphalerite, % VEINLETS grained pyrite	qtz-calcite-min
KV90-46	33.45	33.75	VEINED	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained galena	qtz-calcite-min
KV90-46	37.3	37.4	VEINLETS	% grained pyrite	qtz-calcite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-46	41.9	42.6	VEINLETS	% VEINLETS grained pyrite	calcite-min
KV90-47	44.2	44.8	VEINED	% VEINED grained sulphides, 15% VEINED grained pyrrhotite, 3% VEINED grained galena, 3% VEINED grained pyrite	
KV90-47	51.8	52.3	VEINLETS	% DISSEMINATED grained pyrite, % DISSEMINATED grained pyrrhotite	qtz-calcite-min
KV90-47	52.3	54.1	VEINED	% VEINED grained pyrite, % VEINED grained pyrrhotite	qtz-calcite-min
KV90-47	60.8	60.85	VEINED	% VEINED grained pyrite	qtz-min
KV90-47	61.7	61.9	VEINED	% VEINED grained pyrite	qtz-min
KV90-47	72.4	73.3	VEINED	% grained pyrite	calcite-min
KV90-48	40.8	41.8	VEINED	% FRACTURES grained pyrite, % FRACTURES grained pyrrhotite, % FRACTURES grained sphalerite, 20% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 5% VEINED grained sphalerite, 5% VEINED grained galena	qtz-calcite-min brecciated

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-48	41.8	44.2	BRECCIATED	% DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained galena, % DISSEMINATED grained arsenopyrite, % MASSIVE grained pyrite, % MASSIVE grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained sph	
KV90-48	44.2	44.8	MASSIVE	% VEINED grained sulphides, 15% VEINED grained pyrrhotite, 3% VEINED grained galena, 3% VEINED grained pyrite	
KV90-49	13	13.1	VEINED	% FRACTURES grained sphalerite, % FRACTURES grained pyrite, % DISSEMINATED grained chalcopyrite, 30% MASSIVE grained pyrrhotite, 5% VEINED grained pyrite, 5% VEINED grained sphalerite, % DISSEMINATED grained pyrite	qtz-min
KV90-49	13.1	15.5	VEINED	% VEINED grained pyrite, % VEINED grained sphalerite, % VEINED grained pyrrhotite, % VEINED grained galena	qtz-min
KV90-49	15.8	16.1	BRECCIATED	% MASSIVE grained sulphides	
KV90-49	16.4	16.7	BRECCIATED	% MASSIVE grained sulphides	
KV90-49	17.7	18	VEINLETS	% DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	
KV90-49	19.7	19.8	VEINLETS	% grained sphalerite	calcite-min

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-50	11.4	12.6	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained sphalerite, % MASSIVE grained galena, % MASSIVE grained arsenopyrite	qtz-min
KV90-50	14.1	14.9	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite	qtz-calcite-min
KV90-50	18.1	18.3	VEINED	% VEINED grained pyrite, % VEINED grained sphalerite	qtz-calcite-min
KV90-50	18.3	22.3	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite, % VEINLETS grained galena	qtz-calcite-min
KV90-51	11.7	11.85	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained pyrite, % MASSIVE grained sphalerite	calcite-min
KV90-51	17.4	17.45	VEINED	% VEINED grained pyrite	qtz-calcite-min
KV90-52	32	40.2	VEINLETS	% DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	
KV90-52	40.2	40.8	VEINED	% MASSIVE grained pyrrhotite	
KV90-52	40.8	51.9	FRACTURES	% FRACTURES grained pyrite, % FRACTURES grained pyrrhotite, % FRACTURES grained sphalerite, 20% MASSIVE grained pyrrhotite, 10% MASSIVE grained pyrite, 5% VEINED grained sphalerite, 5% VEINED grained galena	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-52	54.25	54.6	VEINED	% VEINED grained pyrrhotite	
KV90-52	55.6	56	VEINLETS	% VEINLETS grained galena, % VEINLETS grained pyrite	
KV90-52	59	60.6	DISSEMINATED	% DISSEMINATED grained sphalerite	
KV90-53	22.1	22.9	DISSEMINATED	% DISSEMINATED grained pyrite	
KV90-53	24.9	25.2	FRACTURES	% DISSEMINATED grained sphalerite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena	
KV90-53	25.2	26.4	VEINED	% MASSIVE grained pyrrhotite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained pyrite, % DISSEMINATED grained galena, % DISSEMINATED grained arsenopyrite	
KV90-53	28.9	29.3	DISSEMINATED	% grained pyrite	
KV90-53	29.3	29.6	VEINED	% DISSEMINATED grained pyrite, % DISSEMINATED grained galena, % DISSEMINATED grained sphalerite	
KV90-53	36.5	37.2	VEINLETS	% VEINLETS grained pyrite	qtz-min
KV90-54	22.9	22.93	LAMINATED	% MASSIVE grained pyrrhotite	
KV90-54	32.7	32.73	VEINED	% FRACTURES grained sphalerite, % VEINED grained pyrite, % VEINED grained sphalerite	

DDH ID	From(m)	To(m)	Min Type	Min Desc	Notes
KV90-54	37.4	40.3	VEINED	% MASSIVE grained pyrrhotite, % MASSIVE grained pyrite, % MASSIVE grained galena, % MASSIVE grained sphalerite, % MASSIVE grained arsenopyrite	
KV90-54	41.8	45.3	VEINED	% DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained galena, % DISSEMINATED grained arsenopyrite, % MASSIVE grained pyrite, % MASSIVE grained pyrrhotite, % DISSEMINATED grained galena, % DISSEMINATED grained sph	qtz-calcite-min
KV90-54	45.3	47.6	VEINLETS	% VEINLETS grained pyrrhotite, % VEINLETS grained pyrite, % VEINLETS grained sphalerite	qtz-calcite-min
KV90-54	47.6	47.9	VEINED	% MASSIVE grained pyrrhotite, % DISSEMINATED grained sphalerite, % DISSEMINATED grained galena, % DISSEMINATED grained chalcopyrite, % DISSEMINATED grained galena	qtz-calcite-min
KV90-54	47.9	53.3	VEINLETS	20% MASSIVE grained sphalerite, 20% MASSIVE grained pyrrhotite, 5% DISSEMINATED grained galena, 3% DISSEMINATED grained arsenopyrite, % DISSEMINATED grained pyrrhotite, % DISSEMINATED grained pyrite, % DISSEMINATED grained sphalerite	

Appendix 4.1.3 - Structure

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV89-10	40.85	frac	45		qtz-min
KV89-10	41.16	frac	45		qtz-min
KV89-10	42.38	frac			min
KV89-10	45.73	shr	30		sheared-brecciated - min
KV89-10	50	shr	45		gouge - min
KV89-10	64.02	shr	45		gouge - min
KV89-11	20.43	shr			
KV89-11	32.93	shr			
KV89-11	35.06	bx			
KV89-11	35.67	bx			
KV89-11	62	shr			
KV89-13	78.7	shr			
KV89-13	178.8	shr			
KV89-15	81.7	shr			
KV89-15	91.2	shr			
KV89-15	91.5	bx			
KV89-15	103.05	shr			
KV89-15	120	shr			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV89-15	124.8	shr			
KV89-15	127.1	shr			
KV89-15	152.4	shr			
KV89-15	155	bx			
KV89-15	155.8	bx			
KV89-3	30	QV			min
KV89-3	34.94	vein			min
KV89-3	37.35	QV	30		sheared, min
KV89-3	38.72	vein	80		min
KV89-3	39.94	vein			min
KV89-4	38.26	vein	60		0.5-3cm qtz-calcite veinlets, bed parallel
KV89-4	58.54	frac	25		
KV89-4	74.7	vein	45		
KV89-6	55.95	bx			
KV89-6	67.38	bx			
KV89-6	75	bx			
KV89-6	81.1	shr			
KV89-6	90.73	shr			
KV89-7	45.57	bx			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV89-7	47.71	bx			
KV89-7	52.74	shr			
KV89-7	61.59	bx			
KV89-7	62.5	bx			
KV89-7	64.39	bx	45		
KV89-7	64.63	shr			
KV89-7	66.16	shr			
KV89-7	112.5	bx			
KV89-8	30.18	bx			
KV89-8	30.95	bx			
KV89-8	32.01	bx			min
KV89-8	35.37	shr	30		
KV89-8	36.89	shr			
KV89-8	38.72	bx			
KV89-8	40.79	bx			
KV89-8	41.65	shr			
KV89-8	43.05	shr			
KV89-8	47.44	shr			
KV89-8	48.17	shr			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV89-8	51.52	shr	45		
KV89-8	54.45	bx			
KV89-8	58.84	shr	45		
KV89-8	59.18	shr			
KV89-8	60.06	shr			
KV89-8	60.98	bx			
KV89-8	72.16	bx			
KV89-9	46.34	bx			
KV90-16	59.7	shr			
KV90-16	61.7	shr			
KV90-16	157.3	bx			
KV90-16	255	bx			
KV90-16	255.5	bx			
KV90-17	108.9	bx			
KV90-17	136	shr			
KV90-18	55.2	shr	65		
KV90-18	61.9	shr			
KV90-18	113.4	bx			
KV90-19	112.9	shr			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-19	115.5	bx			
KV90-19	116.5	shr			
KV90-19	118	shr			
KV90-19	119	bx			
KV90-20	102.1	shr	60		
KV90-21	96.34	bx	12		
KV90-21	140.5	bx			
KV90-21	151.3	bx			
KV90-21	166.8	shr	18		
KV90-22	43.6	shr			
KV90-22	145.4	shr			
KV90-23	49.8	shr	20		
KV90-23	61	shr			
KV90-23	66.6	shr			
KV90-23	162.5	shr			
KV90-23	168.6	shr	70		
KV90-23	380.5	shr			
KV90-23	381.8	shr			
KV90-23	382.8	bx			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-24	171.1	shr			
KV90-24	202.1	bx			
KV90-24	221.5	bx			
KV90-25	29	frac			
KV90-26	44.5	shr			
KV90-26	217.8	bx			
KV90-26	250.6	shr	45		
KV90-27	114.6	bx			
KV90-27	204.3	bx			
KV90-27	214.9	bx			
KV90-27	226.1	shr			
KV90-27	235	shr			
KV90-27	238	shr			
KV90-27	239.3	shr			
KV90-27	262	shr			
KV90-27	267	shr			
KV90-27	274	shr			
KV90-27	289	shr			
KV90-27	326.5	shr			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-27	326.7	shr			
KV90-27	339.2	shr			
KV90-28	56.4	shr			breccia
KV90-28	69.5	shr			gouge
KV90-28	171.1	frac			
KV90-28	175	shr			gouge
KV90-28	176.8	frac			
KV90-29	112.5	bx			
KV90-29	213.4	shr			
KV90-29	229.3	shr			
KV90-29	260	bx			
KV90-29	261	bx			
KV90-29	265	bx			
KV90-29	272.4	shr			
KV90-30	133.9	bx			
KV90-30	147.3	bx			
KV90-30	267.4	shr			
KV90-30	396.5	shr			
KV90-30	418.2	shr	30		

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-30	430.7	shr			
KV90-31	120.1	frac			
KV90-31	181.1	bx	65		
KV90-31	207	bx	35		
KV90-31	209.5	shr			
KV90-31	229.6	shr	30		
KV90-31	234.5	shr	25		
KV90-31	245.7	shr	20		
KV90-31	250.6	shr	57		
KV90-31	271.3	shr	20		
KV90-31	279	frac	30		
KV90-31	292.7	frac			
KV90-31	301.1	shr			
KV90-31	322	bx			
KV90-31	370.7	shr			
KV90-32	115.6	frac	55		
KV90-32	125	shr	45		
KV90-32	161.6	frac			
KV90-32	193.6	bx	45		

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-32	196.6	bx	45		
KV90-32	218	shr	45		
KV90-32	239.5	bx	15		
KV90-32	284.5	shr			
KV90-32	294.8	frac			
KV90-32	300.9	shr	40		
KV90-32	303.2	shr	40		
KV90-33	40.7	bx			
KV90-33	238.7	shr	30		
KV90-33	245.7	bx			
KV90-33	262	frac			
KV90-33	265.2	shr			
KV90-33	268	shr			
KV90-33	270.1	bx	60		
KV90-34	20.7	frac			
KV90-34	27.7	shr	40		
KV90-34	43.3	frac	20		
KV90-34	73.2	frac			
KV90-34	73.3	frac			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-34	103.6	bx			
KV90-34	151.8	frac	35		
KV90-34	175.3	shr	32		
KV90-34	176.8	shr			
KV90-34	179	shr	62		
KV90-34	245.2	bx			
KV90-34	246.2	bx			
KV90-34	247.2	bx			
KV90-34	262	shr			
KV90-34	267	shr			
KV90-34	275.2	shr	30		
KV90-35	155.8	shr	40		gouge
KV90-35	159.5	shr	40		gouge
KV90-35	168	shr			gouge
KV90-35	171	shr			gouge
KV90-35	193.6	shr			gouge, brecciated
KV90-35	198.2	shr	28		brecciated and calcite
KV90-35	200.6	shr	35		brecciated
KV90-35	201.2	shr	35		gouge and calcite

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-35	247.6	shr	40		gouge
KV90-35	278.4	shr			gouge
KV90-36	70.1	frac			abundant fracs to 5cm in SH
KV90-36	85.1	shr			gouge
KV90-36	89.6	shr			gouge
KV90-36	94.2	frac			calcite-healed fracs <4cm
KV90-36	95	frac			calcite-healed fracs
KV90-36	155.2	shr	35		gouge
KV90-36	182.6	frac			broken
KV90-36	216.5	shr	30		
KV90-36	253	frac			broken
KV90-36	259.1	shr	40		
KV90-36	272.9	shr			gouge
KV90-36	276.8	shr			gouge
KV90-36	279.9	shr			gouge
KV90-36	281.1	shr			gouge
KV90-36	284	bx			breccia zone
KV90-37	91.1	shr	25		gouge
KV90-37	261	shr			gouge

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-37	284.5	shr			gouge
KV90-37	292.8	shr			gouge
KV90-37	313.7	shr			gouge
KV90-37	319.8	shr			gouge
KV90-37	323.2	shr			gouge
KV90-37	330.2	shr			gouge
KV90-37	372.4	shr			broken
KV90-37	373.4	bx			crackle brecciated calcite
KV90-37	381.5	shr	28		broken
KV90-37	385.7	shr	32		broken
KV90-37	418.3	shr			gouge
KV90-37	427.8	shr			broken
KV90-37	430.8	shr	40		slickensides, foliation, and calcite veinlets
KV90-38	61.9	shr	15		gouge and broken
KV90-38	108.4	shr	20		gouge/breccia
KV90-38	147.3	shr	52		gouge
KV90-38	172.3	frac			
KV90-38	181.4	bx	25		calcite-healed
KV90-38	194.2	bx	42		gouge/breccia

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-38	232.2	shr	40		gouge/breccia
KV90-38	374.1	bx	30		calcite matrix
KV90-38	408	frac			broken
KV90-38	434.3	shr	15		calcite-healed breccia/gouge
KV90-38	465.7	shr	15		calcite-healed breccia/gouge
KV90-38	489	shr	15		gouge
KV90-38	632.3	bx	10		calcite matrix
KV90-39	202.9	shr			
KV90-39	217.1	shr			
KV90-39	260.9	shr			
KV90-39	318.2	shr			
KV90-39	319.7	shr			
KV90-39	385.2	shr			
KV90-39	429.4	bx			
KV90-40	169.5	shr	25		
KV90-40	176.5	bx			
KV90-40	181.5	bx			
KV90-40	187.5	bx			
KV90-40	193.5	bx			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-40	197.5	bx			
KV90-40	202.2	bx			
KV90-40	203.3	bx			
KV90-40	217.3	bx			
KV90-40	266.1	bx			
KV90-40	289.6	bx	38		
KV90-40	317.9	shr			
KV90-40	319.5	shr			
KV90-40	338.3	shr			
KV90-40	345	shr			
KV90-40	345.6	bx			
KV90-40	377.2	shr			
KV90-40	379.3	shr			
KV90-40	384.2	shr			
KV90-40	387.7	shr			
KV90-40	390.1	bx			
KV90-40	399	shr			
KV90-40	416.1	shr			
KV90-40	429.8	bx			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-40	432.8	shr			
KV90-40	490.1	shr			
KV90-40	514.5	shr			
KV90-41	56.5	shr			
KV90-41	93.3	shr			
KV90-41	127.7	fracs			
KV90-41	133.4	bx			
KV90-41	274.3	bx			
KV90-41	331.3	bx			
KV90-41	362.9	shr			
KV90-41	363.3	bx			
KV90-41	432.3	shr			
KV90-41	448.7	bx			
KV90-41	485.2	bx			
KV90-41	499	shr			
KV90-41	616.2	shr			
KV90-41	618.1	fracs			
KV90-41	625	bx			
KV90-41	632.2	bx			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-41	681.7	frac			
KV90-41	751.8	shr	45		
KV90-41	804.5	bx			
KV90-42	5.2	bx			
KV90-42	10.1	bx			
KV90-42	11.9	shr			
KV90-42	12.3	bx			
KV90-42	17.7	shr	70		
KV90-42	25.8	bx			
KV90-42	27.4	bx			
KV90-42	35.6	shr			
KV90-43	8.4	shr			
KV90-43	11.4	shr			
KV90-43	16.7	shr			
KV90-43	23.8	shr			
KV90-43	24.3	shr			
KV90-43	24.7	bx			
KV90-43	25.9	shr			
KV90-44	11.5	shr			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-44	24.1	shr			
KV90-44	26	shr			
KV90-45	23.8	shr	53		
KV90-45	27.5	shr	49		
KV90-45	31.4	shr			
KV90-45	40.25	shr			
KV90-46	17.2	shr			
KV90-46	31.6	shr	40		
KV90-46	40.7	shr			
KV90-46	41.4	shr			
KV90-46	42.6	shr			
KV90-47	44.8	shr			
KV90-47	62.5	shr			
KV90-47	62.7	shr			
KV90-47	64.35	bx			
KV90-47	64.6	bx			
KV90-47	69.5	bx			
KV90-48	16.8	bx			
KV90-48	37.3	bx			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV90-48	41.8	shr			
KV90-48	43.3	bx			
KV90-48	44.8	shr			
KV90-48	50.3	shr			
KV90-50	11.75	shr			
KV90-50	14.6	shr			
KV90-51	8.4	bx			
KV90-52	31.2	shr			
KV90-52	62.2	bx			
KV90-53	22.9	shr			
KV90-53	26.4	shr			
KV90-53	28.9	shr			
KV90-53	32.2	bx			
KV90-53	36.2	shr			
KV90-54	19.1	fracs			
KV90-54	40.3	bx			
KV90-54	40.4	bx			
KV90-54	41.3	shr			
KV90-54	45.3	shr			

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:
KV94-57	114.6	shr			
KV94-57	117.9	shr	23		
KV94-57	159.4	shr	42		
KV94-57	160.4	shr			
KV94-57	271	shr	27		
KV94-57	285.5	shr	30		
KV94-57	286.6	bx			
KV94-57	343	shr	57		
KV94-57	373.5	shr	50		
KV94-57	427.8	shr	51		
KV94-57	461.3	shr	26		
KV94-57	479.7	shr	35		
KV94-57	532	shr	36		
KV94-57	556.5	bx			
KV94-57	614.1	shr			
KV94-57	622.4	shr	30		
KV94-57	651.1	shr			
KV94-57	710	shr	35		
KV94-57	736	shr	8		

DDH_ID	Depth of Structure (m)	Structure	Angle TCA (alpha)	Angle (beta)	Notes:

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-19	1101			2900		
KV90-19	1102	217	1562	1149	2	
KV90-19	1103	76	309	743	0.25	
KV90-19	1104	53	202	356	0.25	
KV90-19	1105	61	1268	495	2	
KV90-19	1106	96	2500	1429	4	
KV90-19	1107	210	1810	2032	2	
KV90-19	1108	59	2010	1127	3	
KV90-19	1109	62	619	1170	1	
KV90-19	1110	96	127	502	0.25	
KV90-19	1111	56	121	256	0.25	
KV90-19	1112	95	2500	410	4	
KV90-19	1113	57	353	945	1	
KV90-19	1114	78	1067	2105	1	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-19	1115	45	28	638	0.25	
KV90-19	1116	52	49	480	0.25	
KV90-19	1117	164	1608	698	2	
KV90-19	1118	112	117	443	0.25	
KV90-19	1119	62	174	491	0.25	
KV90-19	1120	52	696	725	1	
KV90-19	1121	43	198	414	0.25	
KV90-19	1122	39	101	317	0.25	
KV90-19	1123	43	67	192	0.25	
KV90-19	1124	25	18	38	0.25	
KV90-19	1125	74	456	440	1	
KV90-19	1126	39	213	657	1	
KV90-19	1127	36	66	260	0.25	
KV90-19	1128	42	18	114	0.25	
KV90-19	1129	41	21	114	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-19	1130	33	81	129	0.25	
KV90-19	1131	36	25	102	1	
KV90-19	1132	62	69	129	0.25	
KV90-19	1133	54	34	160	0.25	
KV90-19	1134	53	16	109	0.25	
KV90-19	1135	84	87	122	0.25	
KV90-19	1136	70	53	121	0.25	
KV90-19	1137	65	13	92	0.25	
KV90-19	1138	54	11	49	0.25	
KV90-19	1139	65	1566	256	2	
KV90-19	1140	37	56	112	0.25	
KV90-19	1141	12	44	108	0.25	
KV90-19	1142	11	29	62	0.25	
KV90-19	1143	25	26	74	0.25	
KV90-19	1144	43	28	80	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	1145	53	12	36	1	5
KV90-29	1146	42	6	31	0.25	15
KV90-29	1147	35	6	63	0.25	5
KV90-29	1148	18	30	113	0.25	5
KV90-29	1149	12	12	69	0.25	5
KV90-29	1150	82	16	46	0.25	5
KV90-29	1151	40	34	79	0.25	5
KV90-29	1152	56	48	79	0.25	5
KV90-29	1153	35	46	68	0.25	5
KV90-29	1154	51	34	66	0.25	5
KV90-29	1155	36	48	92	0.25	5
KV90-29	1156	38	24	31	0.25	5
KV90-29	1157	35	34	77	0.25	5
KV90-29	1158	33	42	115	0.25	5
KV90-29	1159	27	20	82	0.25	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	1160	32	22	91	0.25	5
KV90-29	1161	67	26	122	0.25	5
KV90-29	1162	31	20	96	0.25	5
KV90-29	1163	34	28	104	0.25	5
KV90-29	1164	36	22	73	0.25	5
KV90-29	1165	62	36	62	0.25	5
KV90-29	1166	50	28	65	0.25	5
KV90-29	1167	36	40	94	0.25	5
KV90-29	1168	30	66	84	0.25	5
KV90-29	1169	33	32	65	0.25	5
KV90-29	1170	19	58	105	0.25	5
KV90-29	1171	31	38	91	0.25	5
KV90-29	1172	27	30	123	0.25	5
KV90-29	1173	41	80	144	0.25	5
KV90-29	1174	37	32	87	0.25	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	1175	35	28	113	0.25	5
KV90-29	1176	25	30	97	0.25	5
KV90-29	1177	38	38	82	0.25	5
KV90-29	1178	33	34	82	0.25	5
KV90-29	1179	34	54	78	0.25	5
KV90-29	1180	39	42	71	0.25	5
KV90-29	1181	31	44	100	0.25	5
KV90-29	1182	18	58	112	0.25	5
KV90-29	1183	18	86	104	0.25	5
KV90-29	1184	21	70	119	0.25	5
KV90-29	1185	21	48	135	0.25	5
KV90-29	1186	17	42	167	0.25	5
KV90-29	1187	16	28	124	0.25	5
KV90-29	1188	14	48	314	0.25	5
KV90-29	1189	15	50	314	0.25	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	1190	15	56	171	0.25	5
KV90-29	1191	18	116	444	0.25	5
KV90-29	1192	27	84	410	0.25	5
KV90-29	1193	26	154	378	0.25	5
KV90-29	1194	20	196	253	0.25	5
KV90-29	1195	16	248	406	0.25	5
KV90-29	1196	17	164	632	0.25	5
KV90-29	1197	12	276	1003	0.25	5
KV90-29	1198	27	734	2235	1	5
KV90-29	1199	98	1002	2849	1	5
KV90-29	1200	24	288	724	0.25	5
KV90-41	1528	351	43	96	0.25	
KV90-41	1529	222	48	97	0.25	
KV90-41	1530	178	32	83	0.25	
KV90-41	1531	199	29	85	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	1532	52	21	79	0.25	
KV90-41	1533	73	31	72	0.25	
KV90-41	1534	129	30	70	0.25	
KV90-41	1535	153	26	85	0.25	
KV90-41	1536	192	42	85	0.25	
KV90-41	1537	128	35	80	0.25	
KV90-41	1538	254	38	86	0.25	
KV90-41	1539	77	25	68	0.25	
KV90-41	1540	60	20	47	0.25	
KV90-41	1541	12	15	50	0.25	
KV90-41	1542	42	30	67	0.25	
KV90-41	1543	61	35	73	0.25	
KV90-41	1544	22	44	86	0.25	
KV90-41	1545	59	93	173	0.25	
KV90-41	1546	23	56	109	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	1547	48	51	122	0.25	
KV90-41	1548	28	145	175	0.25	
KV90-41	1549	25	74	101	0.25	
KV90-41	1550	34	77	94	0.25	
KV90-41	1551	32	69	86	0.25	
KV90-41	1552	21	68	97	0.25	
KV90-41	1553	33	81	101	0.25	
KV90-41	1554	35	42	62	0.25	
KV90-41	1555	29	62	127	0.25	
KV90-41	1556	38	21	31	0.25	
KV90-41	1557	22	53	91	0.25	
KV90-41	1558	31	58	112	0.25	
KV90-41	1559	33	51	74	0.25	
KV90-41	1560	44	59	213	0.25	
KV90-41	1561	84	167	3706	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	1562	34	73	477	0.25	
KV90-41	1563	23	172	977	0.25	
KV90-41	1564	154	358	2439	0.4	
KV90-41	1565	48	305	599	0.4	
KV90-41	1566	28	201	737	0.2	
KV90-41	1567	33	199	887	0.2	
KV90-41	1568	54	607	1727	1.2	
KV90-41	1569	30	258	336	0.4	
KV90-41	1570	66	205	775	0.2	
KV90-41	1571	84	72	438	0.2	
KV90-41	1572	76	117	503	0.4	
KV90-41	1573	79	81	530	0.2	
KV90-41	1574	119	58	553	0.2	
KV90-41	1575	27	59	274	0.2	
KV90-41	1576	28	70	167	0.8	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	1577	33	45	117	0.25	
KV90-41	1578	33	35	83	0.25	
KV90-41	1579	25	124	266	0.25	
KV90-41	1580	33	26	125	0.25	
KV90-41	1581	35	20	51	0.25	
KV90-41	1582	38	32	60	0.25	
KV90-41	1583	48	24	53	0.25	
KV90-41	1584	33	36	85	0.25	
KV90-41	1585	33	30	62	0.25	
KV90-41	1586	29	33	60	0.25	
KV90-41	1587	33	28	56	0.25	
KV90-41	1588	50	22	53	0.25	
KV90-41	1589	34	18	32	0.25	
KV90-41	1590	33	28	49	0.25	
KV90-29	2901	17	196	527	0.25	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	2902	19	218	283	0.25	5
KV90-29	2903	27	230	905	0.25	5
KV90-29	2904	36	304	1277	1	5
KV90-29	2905	23	312	759	0.25	5
KV90-29	2906	52	314	994	1	5
KV90-29	2907	47	108	588	0.25	5
KV90-29	2908	38	70	583	0.25	5
KV90-29	2909	44	70	515	0.25	5
KV90-29	2910	55	98	611	0.25	5
KV90-29	2911	64	68	618	0.25	5
KV90-29	2912	7	44	282	0.25	5
KV90-29	2913	11	32	58	0.25	5
KV90-29	2914	25	48	100	0.25	5
KV90-29	2915	28	32	73	0.25	5
KV90-29	2916	18	34	82	0.25	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	2917	22	32	83	0.25	5
KV90-29	2918	26	42	58	0.25	5
KV90-29	2919	31	10	32	0.25	10
KV90-29	2920	42	10	32	0.25	5
KV90-29	2921	43	18	28	0.25	10
KV90-29	2922	29	20	38	0.25	5
KV90-29	2923	27	16	38	0.25	10
KV90-29	2924	45	14	28	0.25	5
KV90-29	2925	23	12	14	0.25	15
KV90-29	2926	22	16	24	0.25	5
KV90-42	3007	9	69	64	0.4	5
KV90-42	3008	129	3471	1161	5.6	5
KV90-42	3009	826	10000	10000	30	1000
KV90-42	3010	90	3720	1118	9.1	70
KV90-42	3011	40	773	595	1.2	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-42	3012	388	10000	1415	19	1000
KV90-42	3013	118	1491	306	3.2	355
KV90-42	3014	15	90	124	0.3	5
KV90-42	3015	206	452	248	0.7	20
KV90-42	3016	21	31	109	0.2	10
KV90-42	3017	24	376	333	1.4	5
KV90-42	3018	345	4809	233	7.6	110
KV90-42	3019	41	216	441	0.3	5
KV90-42	3020	44	392	2213	1.4	40
KV90-43	3021	27	15	44	0.3	5
KV90-43	3022	10	19	46	0.4	5
KV90-43	3023	20	28	47	0.2	5
KV90-43	3024	26	746	32	1.4	5
KV90-43	3025	257	10000	10000	30	1000
KV90-43	3026	43	425	388	1.7	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-43	3027	59	26	37	0.6	200
KV90-43	3028	21	21	46	0.6	240
KV90-43	3029	25	23	42	0.7	45
KV90-43	3030	8	280	49	0.8	195
KV90-43	3031	95	3906	346	5.7	320
KV90-43	3032	32	100	188	0.2	20
KV90-43	3033	26	32	169	0.2	5
KV90-43	3034	137	3740	144	6	135
KV90-43	3035	85	459	176	0.4	35
KV90-43	3036	71	207	253	0.2	100
KV90-43	3037	72	4145	3460	4.7	245
KV90-43	3038	10	357	162	0.3	15
KV90-43	3039	195	3135	91	4.3	80
KV90-43	3040	4	65	29	0.3	5
KV90-43	3041	2	20	107	0.3	10

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-43	3042	2	13	123	0.2	5
KV90-43	3043	59	42	113	0.2	40
KV90-44	3044	90	18	62	0.8	5
KV90-44	3045	110	18	113	0.3	10
KV90-44	3046	69	6079	3174	10	755
KV90-44	3047	42	629	259	1.3	45
KV90-44	3048	30	67	943	0.2	5
KV90-44	3049	18	254	187	0.4	70
KV90-44	3050	16	281	364	0.4	40
KV90-44	3051	30	102	145	0.2	5
KV90-44	3052	47	73	186	0.2	10
KV90-44	3053	10	36	106	0.2	230
KV90-44	3054	34	1107	402	0.9	195
KV90-44	3055	84	5448	406	7.4	10
KV90-44	3056	10	305	136	0.7	20

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-45	3057	36	2576	5795	2	95
KV90-45	3058	72	192	254	0.25	20
KV90-45	3059	1161	10000	10000	30	1000
KV90-45	3060	1377	10000	5139	18	1000
KV90-45	3061	112	256	467	1	25
KV90-45	3062	40	77	546	1	5
KV90-45	3063	53	153	725	0.25	15
KV90-45	3064	40	74	169	0.25	5
KV90-45	3065	63	67	371	0.25	5
KV90-46	3066	31	16	197	0.25	10
KV90-46	3067	55	3486	5573	3	220
KV90-46	3068	182	950	2932	3	85
KV90-46	3069	64	215	758	1	5
KV90-46	3070	107	120	555	1	5
KV90-46	3071	197	3028	4395	10	20

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-46	3072	93	184	791	1	5
KV90-46	3073	56	56	660	0.25	5
KV90-46	3074	139	160	1638	1	5
KV90-46	3075	71	660	766	3	25
KV90-46	3076	369	2900	3636	6	50
KV90-46	3077	58	3072	408	3	5
KV90-46	3078	60	49	95	0.25	5
KV90-46	3079	96	199	122	0.25	5
KV90-46	3080	67	122	159	0.25	5
KV90-46	3081	417	6168	1250	12	45
KV90-46	3082	59	112	247	0.25	5
KV90-46	3083	25	53	427	0.25	5
KV90-47	3084	61	30	70	0.25	20
KV90-47	3085	14	29	105	0.25	40
KV90-47	3086	798	10000	3434	30	380

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-47	3087	93	5516	8731	6	200
KV90-47	3088	18	140	239	0.25	10
KV90-47	3089	37	132	252	0.25	10
KV90-47	3090	290	120	151	0.25	30
KV90-47	3091	503	4850	2035	4	55
KV90-47	3092	279	4550	525	3	30
KV90-47	3093	153	236	280	0.25	25
KV90-47	3094	7	18	58	0.25	20
KV90-47	3095	121	210	662	0.25	10
KV90-48	3096	40.5	34	280	0.25	15
KV90-48	3097	351	1763	2223	2	55
KV90-48	3098	562	5000	5000	30	825
KV90-48	3099	86	2550	2064	3	100
KV90-48	3100	229	5000	5000	30	1000
KV90-48	3201	291	5000	5000	30	480

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-48	3202	184	5000	2634	30	1000
KV90-48	3203	574	5000	5000	30	775
KV90-50	3204	31	1142	543	3	20
KV90-50	3205	1363	5000	5000	30	1000
KV90-50	3206	158	605	2845	2	95
KV90-50	3207	458	5000	5000	30	610
KV90-50	3208	66	1361	1380	1	25
KV90-50	3209	27	1197	265	2	20
KV90-50	3210	393	5000	5000	15	495
KV90-50	3211	21	54	162	0.25	7
KV90-50	3212	10	104	118	0.25	1
KV90-50	3213	11	87	173	0.25	7
KV90-50	3214	253	5232	3577	5	330
KV90-50	3215	168	488	654	1	32
KV90-50	3216	193	3834	492	5	52

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-50	3217	70	73	384	0.25	10
KV90-49	3218	16	25	114	0.25	5
KV90-49	3219	411	2186	2861	3	342
KV90-49	3220	1431	21270	37182	97	1953
KV90-49	3221	765	26394	27170	29	612
KV90-49	3222	842	32686	16618	86	2088
KV90-49	3223	640	29113	67997	118	1818
KV90-49	3224	534	27503	62816	65	2700
KV90-49	3225	258	5352	4025	8	567
KV90-49	3226	247	7944	8203	8	52
KV90-49	3227	209	26788	14342	28	252
KV90-49	3228	130	5542	7046	6	63
KV90-53	3229	172	10041	7812	8	252
KV90-53	3230	191	130	411	0.25	5
KV90-53	3231	118	589	338	1	36

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-53	3232	1016	22066	74161	138	2349
KV90-53	3233	934	25360	57634	187	3168
KV90-53	3234	80	928	722	1	27
KV90-53	3235	6	1395	343	1	2
KV90-53	3236	26	485	584	1	7
KV90-53	3237	2614	25041	12075	33	891
KV90-53	3238	400	1388	653	1	2
KV90-53	3239	485	19958	8263	20	108
KV90-51	3240	41	3649	1393	4	27
KV90-51	3241	219	28151	33832	42	666
KV90-51	3242	53	480	854	1	18
KV90-51	3243	129	6333	5532	6	36
KV90-51	3244	394	7272	7524	8	198
KV90-51	3245	61	2117	995	3	11
KV90-54	3246			15100		

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-54	3247	54	862	129	1	70
KV90-54	3248	115	184	83	0.25	290
KV90-54	3249	1001	27350	1812	57	3980
KV90-54	3250	249	1816	338	3	3960
KV90-54	3251	1663	23148	32206	84	3560
KV90-54	3252	466	17100	6753	14	540
KV90-54	3253	27	471	306	1	56
KV90-54	3254	24	53	53	0.25	16
KV90-54	3255	1383	23290	39871	116	930
KV90-54	3256	504	17050	6900	22	250
KV90-54	3257	196	10747	2710	14	1790
KV90-54	3258	334	7495	3113	12	1250
KV90-54	3259	274	3280	1401	7	320
KV90-54	3260	29	164	258	0.25	38
KV90-54	3261	51	120	280	0.25	9

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-54	3262	2580	15194	23420	72	2890
KV90-54	3263	166	649	550	1	310
KV90-52	3264	380	16470	14486	22	860
KV90-52	3265	23	410	459	1	43
KV90-52	3266	1315	9975	1468	11	29
KV90-52	3267	73	3420	874	4	160
KV90-52	3268	120	157	223	0.25	13
KV90-52	3269	41	24	410	0.25	10
KV90-52	3270	135	182	528	1	81
KV90-52	3271	102	601	13149	1	3
KV90-52	3272	130	75	903	1	11
KV90-52	3273	263	925	3340	2	28
KV90-52	3274	152	205	527	0.25	4
KV90-52	3275	278	1825	1229	2	1
KV90-52	3276	201	245	398	0.25	4

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-52	3277	610	98	50	0.25	1
KV90-52	3278	132	56	185	0.25	21
KV90-52	3279	623	5173	283	6	8
KV90-52	3280	177	429	970	1	1
KV90-52	3281	53	79	32180	1	71
KV90-39	3401	44	70	94	0.3	
KV90-39	3402	39	80	122	0.2	
KV90-39	3403	41	28	90	0.2	
KV90-39	3404	40	28	73	0.25	
KV90-39	3405	24	38	96	0.25	
KV90-39	3406	35	34	87	0.25	
KV90-39	3407	38	46	87	0.25	
KV90-39	3408	36	40	81	0.25	
KV90-39	3409	29	44	94	0.25	
KV90-39	3410	42	38	73	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-39	3411	39	76	119	0.25	
KV90-39	3412	45	66	109	0.25	
KV90-39	3413	40	36	61	0.25	
KV90-39	3414	39	46	89	0.25	
KV90-39	3415	64	52	79	0.25	
KV90-39	3416	42	38	69	0.25	
KV90-39	3417	36	36	76	0.25	
KV90-39	3418	37	54	92	0.25	
KV90-39	3419	40	32	97	0.25	
KV90-39	3420	24	66	134	0.25	
KV90-39	3421	33	72	134	0.25	
KV90-39	3422	45	66	117	0.25	
KV90-39	3423	47	60	130	0.25	
KV90-39	3424	27	64	137	0.25	
KV90-39	3425	33	40	91	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-39	3426	39	64	129	0.2	
KV90-39	3427	39	102	151	0.2	
KV90-39	3428	49	66	148	0.2	
KV90-39	3429	33	96	173	1	
KV90-39	3430	25	274	181	0.1	
KV90-39	3431	38	88	184	0.2	
KV90-39	3432	42	142	148	0.1	
KV90-39	3433	24	296	283	0.1	
KV90-39	3434	41	44	200	0.2	
KV90-39	3435	40	122	160	0.2	
KV90-39	3436	22	104	171	0.2	
KV90-39	3437	27	196	167	0.2	
KV90-39	3438	34	212	315	0.2	
KV90-39	3439	54	144	320	0.2	
KV90-39	3440	48	46	86	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-39	3441	46	332	366	0.1	
KV90-39	3442	31	348	495	0.1	
KV90-39	3443	29	622	850	1.1	
KV90-39	3444	44	380	644	0.6	
KV90-39	3445	76	670	677	1.2	
KV90-39	3446	39	92	361	0.2	
KV90-39	3447	54	82	434	0.2	
KV90-39	3448	29	78	495	0.2	
KV90-39	3449	34	40	242	0.2	
KV90-39	3450	30	38	130	0.2	
KV90-39	3451	34	62	207	0.2	
KV90-39	3452	32	56	265	0.2	
KV90-39	3453	18	34	283	0.2	
KV90-39	3454	31	48	221	0.2	
KV90-39	3455	26	20	137	0.2	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-39	3456	26	38	130	0.2	
KV90-39	3457	22	46	117	0.2	
KV90-39	3458	28	50	109	0.2	
KV90-39	3459	27	12	43	0.2	
KV90-39	3460	33	24	61	0.2	
KV90-39	3461	39	18	70	0.2	
KV90-39	3462	27	14	48	0.2	
KV90-39	3463	30	16	55	0.2	
KV90-39	3464	30	12	59	0.2	
KV90-39	3465	32	14	60	0.2	
KV90-39	3466	20	8	51	0.2	
KV90-39	3467	26	12	55	0.2	
KV90-39	3468	21	6	27	0.2	
KV90-39	3469	24	20	81	0.2	
KV89-14	3470	1221	154	465	23	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-14	3471	796	286	494	2	
KV89-14	3472	294	170	346	1	
KV89-14	3473	136	84	220	1	
KV89-14	3474	117	56	117	0.25	
KV89-14	3475	129	38	110	0.25	
KV89-14	3476	86	28	76	0.25	
KV89-14	3477	128	132	176	0.25	
KV89-14	3478	266	50	146	0.25	
KV89-14	3479	124	94	211	0.25	
KV89-14	3480	157	38	75	0.25	
KV89-14	3481	179	78	169	0.25	
KV89-14	3482	153	64	93	0.25	
KV89-14	3483	75	28	104	0.25	
KV89-14	3484	196	36	105	0.25	
KV89-14	3485	338	118	247	1	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-14	3486	150	158	269	1	
KV89-14	3487	241	200	114	1	
KV89-14	3488	138	42	173	0.25	
KV89-14	3489	69	26	131	0.25	
KV89-14	3490	163	62	152	0.25	
KV89-14	3491	127	168	192	1	
KV89-14	3492	87	36	129	0.25	
KV89-14	3493	90	56	191	0.25	
KV89-14	3494	117	74	237	0.25	
KV89-14	3495	151	46	194	0.25	
KV89-14	3496	169	32	190	0.25	
KV89-14	3497	133	30	167	0.25	
KV89-14	3498	120	32	220	0.25	
KV89-14	3499	179	72	181	0.25	
KV89-14	3500	115	46	209	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-14	3501	71	36	114	0.25	
KV89-14	3502	211	34	233	0.25	
KV89-14	3503	724	68	195	0.25	
KV89-14	3504	450	54	283	0.25	
KV89-14	3505	175	26	217	0.25	
KV89-14	3506	299	48	229	2	
KV89-14	3507	341	30	162	0.25	
KV89-14	3508	241	32	95	0.25	
KV89-14	3509	123	22	78	0.25	
KV89-14	3510	194	90	186	0.25	
KV89-14	3511	182	54	142	0.25	
KV89-14	3512	303	52	159	0.25	
KV89-14	3513	145	84	147	0.25	
KV89-14	3514	456	62	154	0.25	
KV89-14	3515	240	26	50	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3516	16	37	59	0.25	
KV89-12	3517	18	12	47	0.25	
KV89-12	3518	25	9	50	0.25	
KV89-12	3519	12	7	64	0.25	
KV89-12	3520	5	3	27	0.25	
KV89-12	3521	6	34	48	0.25	
KV89-12	3522	7	12	97	0.25	
KV89-12	3523	11	11	67	0.25	
KV89-12	3524	32	29	81	0.25	
KV89-12	3525	27	13	46	0.25	
KV89-12	3526	28	13	72	0.25	
KV89-12	3527	30	13	48	0.25	
KV89-12	3528	43	14	58	0.25	
KV89-12	3529	25	7	42	0.25	
KV89-12	3530	26	15	54	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3531	33	16	69	0.25	
KV89-12	3532	39	17	69	0.25	
KV89-12	3533	36	18	91	0.25	
KV89-12	3534	27	15	67	0.25	
KV89-12	3535	30	21	56	0.25	
KV89-12	3536	50	28	71	0.25	
KV89-12	3537	21	19	73	0.25	
KV89-12	3538	48	44	73	0.25	
KV89-12	3539	48	51	80	0.25	
KV89-12	3540	56	27	55	0.25	
KV89-12	3541	44	54	81	0.25	
KV89-12	3542	41	43	64	0.25	
KV89-12	3543	59	47	66	0.25	
KV89-12	3544	41	49	60	0.25	
KV89-12	3545	46	87	103	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3546	39	45	95	0.25	
KV89-12	3547	37	80	166	0.25	
KV89-12	3548	37	98	216	0.25	
KV89-12	3549	43	80	214	0.25	
KV89-12	3550	35	111	145	0.25	
KV89-12	3551	45	81	134	0.25	
KV89-12	3552	35	114	207	0.25	
KV89-12	3553	32	109	188	0.25	
KV89-12	3554	53	85	98	0.25	
KV89-12	3555	43	99	126	0.25	
KV89-12	3556	63	364	129	1	
KV89-12	3557	51	31	45	0.25	
KV89-12	3558	43	164	276	2	
KV89-12	3559	33	182	190	0.25	
KV89-12	3560	37	81	133	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3561	44	27	64	0.25	
KV89-12	3562	56	40	86	0.25	
KV89-12	3563	20	75	160	0.25	
KV89-12	3564	7	11	65	0.25	
KV89-12	3565	15	19	78	0.25	
KV89-12	3566	13	35	118	0.25	
KV89-12	3567	7	40	101	0.25	
KV89-12	3568	22	28	202	0.25	
KV89-12	3569	17	27	115	0.25	
KV89-12	3570	16	201	301	0.25	
KV89-12	3571	26	62	187	0.25	
KV89-12	3572	28	25	203	0.25	
KV89-12	3573	50	32	348	0.25	
KV89-12	3574	42	58	193	0.25	
KV89-12	3575	74	62	150	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3576	39	90	214	0.25	
KV89-12	3577	29	159	402	0.25	
KV89-12	3578	23	205	431	0.25	
KV89-12	3579	71	640	2013	1	
KV89-12	3580	170	148	3466	1	
KV89-12	3581	46	444	1063	1	
KV89-12	3582	33	309	533	0.25	
KV89-12	3583	32	200	362	0.25	
KV89-12	3584	46	324	723	0.25	
KV89-12	3585	49	324	557	0.25	
KV89-12	3586	100	423	962	1	
KV89-12	3587	73	255	918	0.25	
KV89-12	3588	108	261	590	0.25	
KV89-12	3589	68	489	924	1	
KV89-12	3590	31	263	571	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3591	35	348	378	1	
KV89-12	3592	42	354	319	0.25	
KV89-12	3593	39	248	245	0.25	
KV89-12	3594	115	135	409	0.25	
KV89-12	3595	19	1089	550	2	
KV89-12	3596	25	112	302	0.25	
KV89-12	3597	34	99	200	0.25	
KV89-12	3598	22	217	315	0.25	
KV89-12	3599	26	179	322	0.25	
KV89-12	3600	28	93	219	0.25	
KV89-12	3601	24	36	219	0.25	
KV89-12	3602	36	47	157	0.25	
KV89-12	3603	35	62	193	0.25	
KV89-12	3604	30	115	146	0.25	
KV89-12	3605	21	22	59	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	3606	21	104	92	0.25	
KV89-12	3607	38	94	93	0.25	
KV89-12	3608	24	46	80	0.25	
KV89-12	3609	24	36	73	0.25	
KV89-12	3610	29	98	233	0.25	
KV89-12	3611	27	24	64	0.25	
KV89-12	3612	35	41	56	0.25	
KV89-12	3613	37	17	57	0.25	
KV89-12	3614	29	18	50	0.25	
KV89-12	3615	29	24	45	0.25	
KV89-12	3616	36	35	70	0.25	
KV89-12	3617	27	17	43	0.25	
KV89-12	3618	30	32	41	0.25	
KV89-12	3619	33	11	20	0.25	
KV90-21	3620	12	14	40	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	3621	29	14	48	0.25	
KV90-21	3622	40	56	97	0.25	
KV90-21	3623	33	27	127	0.25	
KV90-21	3624	60	30	209	0.25	
KV90-21	3625	16	11	30	0.25	
KV90-21	3626	48	19	169	0.25	
KV90-21	3627	4	7	11	0.25	
KV90-21	3628	12	25	7	0.25	
KV90-21	3629	33	40	14	0.25	
KV90-21	3630	6	13	16	0.25	
KV90-21	3631	2	6	14	0.25	
KV90-21	3632	36	41	44	0.25	
KV90-21	3633	66	39	58	0.25	
KV90-21	3634	47	30	64	0.25	
KV90-21	3635	67	43	92	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	3636	69	39	116	0.25	
KV90-21	3637	60	52	91	0.25	
KV90-21	3638	54	60	82	0.25	
KV90-21	3639	42	177	98	1	
KV90-21	3640	16	149	91	0.25	
KV90-21	3641	14	104	116	0.25	
KV90-21	3642	45	263	106	1	
KV90-21	3643	51	268	139	1	
KV90-21	3644	44	208	248	0.25	
KV90-21	3645	177	321	654	0.25	
KV90-21	3646	35	400	268	1	
KV90-21	3647	29	292	145	1	
KV90-21	3648	49	343	432	1	
KV90-21	3649	17	488	295	1	
KV90-21	3650	12	221	149	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	3651	98	1153	1017	2	
KV90-21	3652	21	187	324	0.25	
KV90-21	3653	21	127	427	0.25	
KV90-21	3654	32	236	711	0.25	
KV90-21	3655	27	58	126	0.25	
KV90-21	3656	27	144	252	0.25	
KV90-21	3657	36	91	170	0.25	
KV90-21	3658	44	109	343	0.25	
KV90-21	3659	23	414	990	1	
KV90-21	3660	26	129	234	0.25	
KV90-21	3661	51	76	148	0.25	
KV90-21	3662	20	91	769	0.25	
KV90-21	3663	54	83	192	0.25	
KV90-21	3664	4	18	32	0.25	
KV90-21	3665	19	423	205	1	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	3666	24	65	97	0.25	
KV90-21	3667	28	41	79	0.25	
KV90-21	3668	28	17	70	0.25	
KV90-21	3669	45	2764	1225	5	
KV90-21	3670	42	115	470	0.25	
KV90-21	3671	69	85	267	0.25	
KV90-21	3672	68	48	58	0.25	
KV90-21	3673	62	64	125	0.25	
KV90-21	3674	54	59	79	0.25	
KV90-21	3675	35	76	84	0.25	
KV90-21	3676	20	267	2114	1	
KV90-21	3677	23	1496	999	2	
KV90-21	3678	27	1173	279	2	
KV90-21	3679	381	1475	1146	2	
KV90-21	3680	45	453	487	1	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	3681	39	467	497	1	
KV90-21	3682	80	570	1229	1	
KV90-21	3683	37	210	737	0.25	
KV90-21	3684	49	175	340	0.25	
KV90-21	3685	62	715	648	1	
KV90-21	3686	97	2288	1719	4	
KV90-21	3687	155	478	579	1	
KV90-21	3688	36	468	700	1	
KV90-21	3689	32	116	367	0.25	
KV90-21	3690	37	90	100	0.25	
KV90-21	3691	30	67	86	0.25	
KV90-21	3692	39	71	114	0.25	
KV90-21	3693	24	75	66	0.25	
KV90-21	3694	37	60	69	0.25	
KV90-21	3695	37	34	55	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	3696	74	37	57	0.25	
KV90-21	3697	41	59	90	0.25	
KV90-21	3698	66	31	78	0.25	
KV90-21	3699	41	40	96	0.25	
KV90-21	3700	53	27	61	0.25	
KV90-21	3701	85	19	35	0.25	
KV90-21	3702	75	19	42	0.25	
KV90-21	3703	86	21	39	0.25	
KV90-21	3704	52	31	67	0.25	
KV90-21	3705	52	27	63	0.25	
KV90-21	3706	65	33	50	0.25	
KV90-21	3707	59	30	68	0.25	
KV90-21	3708	55	16	42	0.25	
KV90-21	3709	55	9	26	0.25	
KV90-21	3710	65	22	56	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	3711	20	9	42	0.25	
KV90-34	3712	20	5	43	0.25	
KV90-34	3713	20	13	73	0.25	
KV90-34	3714	28	18	91	0.25	
KV90-34	3715	26	17	83	0.25	
KV90-34	3716	62	21	81	0.25	
KV90-34	3717	34	11	75	0.25	
KV90-34	3718	26	17	69	0.25	
KV90-34	3719	56	21	77	0.25	
KV90-34	3720	41	8	46	0.25	
KV90-34	3721	40	12	46	0.25	
KV90-34	3722	31	11	45	0.25	
KV90-34	3723	33	21	63	0.25	
KV90-34	3724	33	51	71	0.25	
KV90-34	3725	29	18	69	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	3726	32	22	61	0.25	
KV90-34	3727	38	18	66	0.25	
KV90-34	3728	30	21	67	0.25	
KV90-34	3729	44	30	67	0.25	
KV90-34	3730	53	30	60	0.25	
KV90-34	3731	37	29	59	0.25	
KV90-34	3732	58	31	49	0.25	
KV90-34	3733	47	23	81	0.25	
KV90-34	3734	37	29	92	0.25	
KV90-34	3735	48	35	83	0.25	
KV90-34	3736	36	107	112	0.25	
KV90-34	3737	51	46	100	0.25	
KV90-34	3738	45	37	125	0.25	
KV90-34	3739	69	28	61	0.25	
KV90-34	3740	36	30	101	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	3741	23	35	188	0.25	
KV90-34	3742	86	65	193	0.25	
KV90-34	3743	48	16	87	0.25	
KV90-34	3744	57	61	110	0.25	
KV90-34	3745	70	52	99	0.25	
KV90-34	3746	76	27	55	0.25	
KV90-34	3747	71	63	97	0.25	
KV90-34	3748	42	119	84	0.25	
KV90-34	3749	46	178	85	0.25	
KV90-34	3750	71	118	87	0.25	
KV90-34	3751	12	23	87	0.25	
KV90-34	3752	20	14	92	0.25	
KV90-34	3753	70	16	39	0.25	
KV90-34	3754	27	19	44	0.25	
KV90-34	3755	22	13	46	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	3756	50	119	103	0.25	
KV90-34	3757	28	22	103	0.25	
KV90-34	3758	17	13	95	0.25	
KV90-34	3759	47	77	78	0.25	
KV90-34	3760	87	274	48	1	
KV90-34	3761	48	406	257	1	
KV90-34	3762	15	148	350	1	
KV90-34	3763	56	244	1693	1	
KV90-34	3764	146	644	2876	2	
KV90-34	3765	43	362	797	1	
KV90-34	3766	33	266	488	0.25	
KV90-34	3767	41	161	753	0.25	
KV90-34	3768	43	225	609	0.25	
KV90-34	3769	32	104	422	0.25	
KV90-34	3770	60	45	952	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	3771	70	27	502	0.25	
KV90-34	3772	101	35	110	0.25	
KV90-34	3773	27	14	50	0.25	
KV90-34	3774	43	29	81	0.25	
KV90-34	3775	22	23	45	0.25	
KV90-34	3776	30	35	73	0.25	
KV90-34	3777	16	26	45	0.25	
KV90-34	3778	30	15	53	1	
KV90-34	3779	27	21	53	0.25	
KV90-34	3780	24	27	58	0.25	
KV90-34	3781	34	7	32	0.25	
KV90-34	3782	67	13	38	0.25	
KV90-34	3783	48	18	37	0.25	
KV90-34	3784	43	31	33	0.25	
KV90-34	3785	25	10	45	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	3786	27	2	34	0.25	
KV90-34	3787	30	2	29	0.25	
KV90-34	3788	32	2	21	0.25	
KV90-34	3789	24	2	20	0.25	
KV94-57	5375	262	60	51000		5
KV94-57	5376	159	200	300		5
KV94-57	5377	47	60	200		5
KV94-57	5378	100	60	400		5
KV94-57	5381	22	3000	200		580
KV94-57	5382	412	8000	400		5
KV94-57	5383	161	50	100		5
KV94-57	5385		52000	44000	52.8751	
KV94-57	5386		5600	2600	3.1103	
KV89-3	62664	48	270	490	0.25	4
KV89-3	62665	37	240	1230	0.25	2

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-3	62666	28	1400	1290	2	2
KV89-3	62667	32	2300	1310	3	18
KV89-8	62802	360	125	2400	0.25	6
KV89-8	62803	31	64	300	0.25	2
KV89-8	62804	290	660	490	1	8
KV89-8	62805	79	1960	850	2	6
KV89-8	62806	154	900	720	1	6
KV89-8	62807	280	6400	8900	5	208
KV89-8	62808	182	1040	1080	1	438
KV89-8	62809	680	115000	181000	113	3010
KV89-8	62810	60	460	2400	1	18
KV89-8	62811	119	280	1830	0.25	10
KV89-8	62812	18	115	530	0.25	8
KV89-8	62813	33	181	340	1	22
KV89-8	62814	690	1570	340	6	4883.171

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-8	62815	390	108	134	0.25	22
KV89-8	62816	330	46900	62500	84	1990
KV89-8	62817	360	16000	26700	22	588
KV89-8	62818	153	2700	1270	5	36
KV89-8	62819	115	1810	250	5	32
KV89-8	62820	42	61	920	0.25	14
KV89-8	62821	51	22	115	0.25	180
KV89-8	62822	31	24	310	0.25	76
KV89-8	62823	25	35	75	0.25	88
KV89-8	62824	43	31	300	0.25	8
KV89-8	62825	67	85	260	0.25	6
KV89-8	62826	570	6400	1170	10	240
KV89-8	62827	37	6000	3000	8	20
KV89-8	62828	9	81	290	0.25	12
KV89-8	62829	800	36400	84700	44	64

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-8	62830	31	530	820	0.25	6
KV89-8	62831	46	145	690	0.25	2
KV89-8	62832	1250	123000	21300	186	928
KV89-8	62833	128	3800	4200	5	64
KV89-8	62834	104	220	290	0.25	10
KV89-8	62835	77	35	81	0.25	4
KV89-1	62901	100	172	270	1	14
KV89-1	62902	4	26	76	0.25	12
KV89-1	62903	15	14	135	0.25	56
KV89-1	62904	119	1120	24300	3	134
KV89-1	62905	65	175	210	1	14
KV89-1	62906	370	4100	270	5	32
KV89-1	62907	107	330	420	1	60
KV89-1	62908	71	183	470	0.25	316
KV89-1	62909	42	320	260	1	90

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-1	62910	54	5	40	0.25	4
KV89-1	62911	30	50	460	0.25	6
KV89-1	62912	40	1200	350	2	14
KV89-1	62913	143	192	350	0.25	28
KV89-1	62914	260	2700	2800	3	86
KV89-1	62915	84	280	260	0.25	32
KV89-1	62916	13	30	240	0.25	112
KV89-1	62917	6	450	250	1	66
KV89-1	62918	51	1210	350	4	14
KV89-2	62919	103	2700	3500	3.6	28
KV89-2	62920	22	21	81	0.07	2
KV89-2	62921	29	77	136	0.13	4
KV89-2	62922	167	1550	580	2.3	4
KV89-2	62923	800	90000	59000	127	396
KV89-2	62924	67	116	3500	0.62	8

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-2	62925	21	1030	290	1.04	4
KV89-2	62926	48	26	155	0.09	4
KV89-2	62927	55	50	280	0.12	2
KV89-2	62928	120	3600	360	4.6	94
KV89-2	62929	170	1240	580	1.58	14
KV89-2	62930	24	17	179	0.05	4
KV89-2	62931	12	35	250	0.03	2
KV89-2	62932	660	23000	6300	24	870
KV89-2	62933	1640	47000	12100	64	3324
KV89-2	62934	370	4400	6500	5.7	770
KV89-2	62935	37	67	220	0.14	10
KV89-3	62936	18	3500	3400	6	4
KV89-3	62937	126	70	14400	0.25	806
KV89-3	62938	200	75	3000	0.25	244
KV89-3	62939	77	2900	9600	4	14

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-3	62940	136	44	3700	0.25	10
KV89-3	62941	410	3900	860	6	1048
KV89-3	62942	35	28	300	0.25	2
KV89-3	62943	260	170	940	0.25	6
KV89-3	62944	72	14	116	0.25	4
KV89-3	62945	310	18400	3900	18	4066
KV89-3	62946	73	910	450	1	66
KV89-3	62947	1730	330	3000	5	1666
KV89-3	62948	690	770	185	1	666
KV89-3	62949	1170	6500	14900	6	458
KV89-3	62952	52	41	106	0.25	6
KV89-3	62953	27	3000	400	3	30
KV89-3	62954	30	1710	850	2	8
KV89-4	62955	24	35	38	0.25	4
KV89-4	62956	42	18	22	0.25	6

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-4	62957	17	9	40	0.25	4
KV89-3	62958	19	46	127	0.25	2
KV89-3	62959	86	172	140	0.25	6
KV89-4	62960	60	198	750	0.25	10
KV89-4	62961	135	94	11	0.25	4
KV89-4	62962	480	5600	167	8	120
KV89-4	62963	147	1060	500	1	14
KV89-4	62964	175	26700	1390	26	3340
KV89-4	62965	88	2900	750	3	126
KV89-4	62966	190	16	112	0.25	12
KV89-3	62967	63	122	138	0.25	6
KV89-3	62968	30	45	84	0.25	2
KV89-3	62970	19	35	21	0.25	2
KV89-3	62971	30	156	1650	0.25	8
KV89-3	62972	32	107	117	0.25	6

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-3	62973	50	205	220	0.25	2
KV89-6	62974	31	100	137	0.25	34
KV89-6	62975	73	84	360	0.25	166
KV89-6	62976	450	1460	350	2	40
KV89-6	62977	60	87	500	0.25	70
KV89-6	62978	46	189	420	0.25	12
KV89-6	62979	115	78	430	0.25	6
KV89-6	62980	196	10200	350	13	118
KV89-6	62981	83	123	360	0.25	8
KV89-6	62982	22	59	290	0.25	4
KV89-6	62983	43	167	330	0.25	4
KV89-6	62984	56	440	360	1	10
KV89-6	62985	900	72900	7500	92	3240
KV89-6	62986	28	10700	350	15	15300
KV89-6	62987	83	5100	550	8	114

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-6	62988	410	7800	850	13	136
KV89-6	62989	290	47600	2900	65	2020
KV89-6	62990	103	1010	960	2	36
KV89-6	62991	630	63300	13400	88	3160
KV89-6	62992	129	7300	1640	9	412
KV89-6	62993	77	690	400	1	26
KV89-6	62994	7	66	183	0.25	2
KV89-6	62995	40	340	1000	0.25	2
KV89-6	62996	6	43	310	0.25	2
KV89-6	62997	6	47	320	0.25	2
KV89-6	62998	16	135	440	0.25	2
KV89-6	62999	12	170	310	0.25	2
KV89-6	63000	37	73	300	0.25	2
KV89-5	64501	41	21	75	0.25	8
KV89-5	64502	43	33	96	0.25	6

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-5	64503	49	27	300	0.25	34
KV89-5	64504	49	24	108	0.25	2
KV89-5	64505	42	40	88	0.25	4
KV89-5	64506	173	1480	840	3	90
KV89-5	64507	47	270	460	0.25	8
KV89-5	64508	14	135	330	0.25	6
KV89-5	64509	83	68	440	0.25	6
KV89-5	64510	8	94	137	0.25	2
KV89-5	64511	11	33	105	0.25	4
KV89-5	64512	4	34	62	0.25	2
KV89-5	64513	15	25	31	0.25	4
KV89-5	64514	20	88	87	0.25	2
KV89-5	64515	2700	37700	3500	32	2560
KV89-5	64516	82	73	350	0.25	2
KV89-5	64517	600	6900	310	5	20

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-5	64518	40	166	360	0.25	4
KV89-5	64519	52	340	400	0.25	8
KV89-5	64520	44	118	330	0.25	66
KV89-5	64521	19	69	300	0.25	2
KV89-5	64522	390	173	169	0.25	8
KV89-5	64523	29	93	330	0.25	4
KV89-5	64524	73	1000	1410	1	10
KV89-5	64525	17	57	390	0.25	4
KV89-5	64526	340	3000	390	4	32
KV89-5	64527	27	27	111	0.25	2
KV89-6	64528	36	127	280	0.25	2
KV89-6	64529	500	40900	18800	61	404
KV89-6	64530	33	250	550	0.25	2
KV89-6	64531	50	31	75	0.25	2
KV89-6	64532	48	131	196	0.25	4

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-6	64533	34	34	186	0.25	2
KV89-6	64534	43	35	340	0.25	2
KV89-6	64535	68	161	340	0.25	2
KV89-6	64536	62	690	123	1	18
KV89-7	64537	20	29	97	0.25	6
KV89-7	64538	91	81	205	0.25	8
KV89-7	64539	1040	69200	12100	90	7075.9325
KV89-7	64540	65	4500	360	7	328
KV89-7	64541	7	160	98	0.25	14
KV89-7	64542	29	230	300	0.25	20
KV89-7	64543	55	198	360	0.25	6
KV89-7	64544	62	1550	640	1	16
KV89-7	64545	32	490	330	0.25	4
KV89-7	64546	71	77	350	1	6
KV89-7	64547	57	55	510	0.25	2

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-7	64548	45	44	340	0.25	6
KV89-7	64549	100	50	600	0.25	4
KV89-7	64550	670	7700	1940	9	154
KV89-7	64551	73	120	540	0.25	4
KV89-7	64552	12	101	320	0.25	4
KV89-7	64553	13	85	203	0.25	2
KV89-7	64554	15	1090	310	1	34
KV89-7	64555	15	102	250	0.25	4
KV89-7	64556	96	105	380	0.25	2
KV89-7	64557	440	1270	6300	1	4
KV89-7	64558	280	103	700	0.25	34
KV89-7	64559	85	23	280	0.25	2
KV89-7	64560	162	740	700	1	22
KV89-7	64561	119	5600	3600	9	236
KV89-7	64562	164	134	8500	0.25	10

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-7	64563	370	47	28300	0.25	12
KV89-7	64564	590	10000	8100	12	308
KV89-7	64565	860	6300	5100	8	1119.708
KV89-7	64566	120	102	22500	0.25	12
KV89-7	64567	480	15900	2700	21	1524.047
KV89-7	64568	270	600	400	1	8
KV89-7	64569	164	380	440	0.25	2
KV89-7	64570	91	320	430	0.25	4
KV89-7	64571	49	26	460	0.25	2
KV89-7	64572	62	53	5100	0.25	2
KV89-7	64573	74	36	540	0.25	2
KV89-7	64574	18	36	290	0.25	4
KV89-7	64575	20	37	250	0.25	6
KV89-7	64576	32	450	300	0.25	4
KV89-7	64577	125	1620	350	3	24

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-7	64578	60	79	400	0.25	2
KV89-7	64579	111	290	700	0.25	6
KV89-7	64580	43	156	680	0.25	6
KV89-7	64581	31	72	340	0.25	8
KV89-7	64582	470	95	460	0.25	8
KV89-7	64583	26	95	240	0.25	4
KV89-7	64584	230	8	34	0.25	4
KV89-7	64585	410	82	2300	0.25	8
KV89-7	64586	51	11	39	0.25	6
KV89-7	64587	37	530	420	1	6
KV89-7	64588	3	37	300	0.25	4
KV89-7	64589	3	32	310	0.25	6
KV89-7	64590	10	59	310	0.25	4
KV89-7	64591	29	103	250	0.25	8
KV89-7	64592	810	450	630	1	228

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-7	64593	430	107000	210	107	320
KV89-7	64594	480	1500	410	1	36
KV89-7	64595	23	450	270	0.25	4
KV89-7	64596	46	480	310	0.25	4
KV89-7	64597	3	1970	590	3	4
KV89-9	64601	47	73	125	0.25	6
KV89-9	64602	19	82	94	0.25	6
KV89-9	64603	73	25	131	0.25	4
KV89-9	64604	92	1420	2000	2	6
KV89-9	64605	13	89	230	0.25	2
KV89-9	64606	37	930	290	1	16
KV89-9	64607	370	15400	3600	23	368
KV89-9	64608	3300	84000	14000	123	2320
KV89-9	64609	430	11500	3600	12	420
KV89-9	64610	30	230	390	0.25	6

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-9	64611	24	81	350	0.25	4
KV89-9	64612	41	127	162	0.25	8
KV89-9	64613	9	188	240	0.25	6
KV89-9	64614	3	91	300	0.25	2
KV89-9	64615	146	86	175	0.25	4
KV89-9	64616	5	51	270	0.25	2
KV89-9	64617	32	7	21	0.25	12
KV89-9	64618	5	5	32	0.25	4
KV89-9	64619	14	28	71	0.25	4
KV89-9	64620	167	2300	15500	7	208
KV89-9	64621	4	10	44	0.25	4
KV89-10	64622	71	45	78	0.25	2
KV89-10	64623	80	39	119	0.25	2
KV89-10	64624	61	29	149	0.25	2
KV89-10	64625	21	91	140	0.25	2

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-10	64626	87	350	430	5	62
KV89-10	64627	780	87600	1100	96	1116
KV89-10	64628	104	1310	600	1	10
KV89-10	64629	30	210	250	0.25	2
KV89-10	64630	15	59	290	0.25	2
KV89-10	64631	29	75	730	0.25	2
KV89-10	64632	158	5600	177	11	14
KV89-10	64633	28	49	118	0.25	4
KV89-10	64634	116	70	172	0.25	6
KV89-10	64635	4	38	440	0.25	24
KV89-10	64636	103	54	178	0.25	4
KV89-10	64637	300	510	168	0.25	10
KV89-10	64638	300	11100	250	10	52
KV89-10	64639	15	730	59	1	12
KV89-10	64640	470	5100	131	5	36

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-10	64641	510	147000	1280	210	156
KV89-10	64642	120	360	350	0.25	2
KV89-10	64643	24	24	145	0.25	2
KV89-10	64644	89	26	181	0.25	2
KV89-10	64645	166	134	380	0.25	4
KV89-10	64646	950	34300	12700	38	3244
KV89-10	64647	990	7700	1730	10	444
KV89-10	64648	320	880	260	1	18
KV89-10	64649	159	114	240	0.25	8
KV89-10	64650	31	27	109	0.25	2
KV89-10	64651	56	15	174	0.25	2
KV89-10	64652	41	70	105	0.25	2
KV89-10	64653	26	83	103	0.25	2
KV89-10	64654	17	2000	68	4	2
KV89-10	64655	34	1050	107	1	2

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-10	64656	51	126	148	0.25	2
KV89-10	64657	51	55	80	0.25	2
KV89-10	64658	41	230	69	0.25	2
KV89-10	64659	56	43	99	0.25	2
KV89-10	64660	26	29	141	0.25	2
KV89-10	64661	62	300	570	0.25	2
KV89-10	64662	84	9200	3000	16	8
KV89-10	64663	11	80	410	0.25	2
KV89-4	64668	17	125	280	0.25	2
KV89-4	64669	5	31	176	0.25	2
KV89-4	64670	5	24	101	0.25	2
KV89-4	64671	66	40	270	0.25	2
KV89-4	64672	32	39	88	0.25	2
KV89-11	84001	40	39	55	0.25	2
KV89-11	84002	153	17200	680	21	1810

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-11	84003	83	1370	12300	4	36
KV89-11	84004	1190	54300	3200	75	7540
KV89-11	84005	740	55800	12000	69	4680
KV89-11	84006	290	280	340	1	2
KV89-11	84007	300	1950	18900	3	10
KV89-11	84008	560	1370	6100	2	20
KV89-11	84009	300	1100	1610	1	2
KV89-11	84010	400	120	360	0.25	2
KV89-11	84011	74	103	360	0.25	2
KV89-11	84012	76	470	280	1	42
KV89-11	84013	8	24	14	0.25	148
KV89-11	84014	290	490	1660	1	30
KV89-12	84015	102	2100	660	3	96
KV89-12	84016	142	360	920	1	26
KV89-12	84017	76	640	4700	1	32

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	84018	45	860	100	1	26
KV89-12	84019	900	89300	20100	112	3204
KV89-12	84020	410	12600	6400	15	80
KV89-12	84021	76	390	420	1	22
KV89-12	84022	330	350	2600	1	46
KV89-12	84023	103	196	430	0.25	18
KV89-12	84024	37	990	730	2	50
KV89-12	84025	29	82	320	0.25	58
KV89-12	84026	59	29	330	0.25	12
KV89-12	84027	250	119	620	0.25	16
KV89-12	84028	77	210	600	0.25	18
KV89-12	84029	410	68500	27100	77	1090
KV89-12	84030	123	270	1360	1	18
KV89-12	84031	181	220	380	0.25	20
KV89-12	84032	300	82	62	0.25	306

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-12	84033	560	1140	960	4	36
KV89-12	84034	86	30	18	0.25	10
KV89-13	84037	78	15	52	0.25	14
KV89-13	84038	24	23	62	0.25	4
KV89-13	84039	30	11	18	0.25	4
KV89-13	84040	48	113	138	0.25	2
KV89-13	84041	22	54	75	0.25	10
KV89-13	84042	28	230	510	0.25	194
KV89-13	84043	540	34900	21500	45	826
KV89-13	84044	57	550	580	1	76
KV89-13	84045	52	64	320	0.25	8
KV89-13	84046	4	11	33	0.25	8
KV89-13	84047	5	19	320	0.25	4
KV89-13	84048	4	24	340	0.25	2
KV89-13	84049	78	4900	350	6	24

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-13	84050	350	5600	1300	7	3960
KV89-13	84051	71	108	500	0.25	22
KV89-13	84052	56	2500	500	3	8
KV89-13	84053	18	87	390	0.25	4
KV89-13	84054	136	4900	400	13	1894
KV89-13	84055	13	20	320	0.25	2
KV89-13	84056	35	84	380	0.25	8
KV89-13	84057	9800	37000	1720	186	1228
KV89-13	84058	58	240	380	1	8
KV89-13	84059	840	1400	300	3	12
KV89-13	84060	370	89200	320	113	622
KV89-13	84061	49	1700	270	1	46
KV89-13	84062	50	270	310	0.25	6
KV89-13	84063	450	97700	2400	96	1410
KV89-13	84064	53	580	640	0.25	12

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-14	84065	25	6200	1080	9	26
KV89-14	84066	270	20400	16300	28	212
KV89-14	84067	30	310	280	1	8
KV89-14	84068	38	85	157	0.25	10
KV89-14	84069	66	2000	300	3	14
KV89-14	84070	95	2500	320	4	26
KV89-14	84071	99	118	310	0.25	36
KV89-14	84072	194	108	220	0.25	44
KV89-14	84073	800	4300	112	6	400
KV89-14	84074	152	141	320	0.25	6
KV89-14	84075	43	19700	137	26	72
KV89-14	84076	59	80	280	0.25	4
KV89-14	84077	141	121	780	0.25	2
KV89-14	84078	196	2100	310	3	34
KV89-14	84079	72	142	260	0.25	4

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-14	84080	48	129	370	0.25	2
KV89-14	84081	240	23000	1420	25	2360
KV89-14	84082	910	161000	41300	132	860
KV89-14	84083	430	61700	4600	55	1570
KV89-14	84084	1420	56700	7200	60	1038
KV89-14	84085	350	3600	220	6	1008
KV89-14	84086	119	118	42	0.25	36
KV89-15	84087	49	117	133	1	22
KV89-15	84088	1080	40200	1750	70	972
KV89-15	84089	1280	52200	1580	80	940
KV89-15	84090	190	370	440	1	18
KV89-15	84091	3400	61800	5300	80	6640
KV89-15	84092	220	1480	1130	3	142
KV89-15	84093	18	121	106	0.25	6
KV89-15	84094	460	2200	440	4	346

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-15	84095	200	1980	76	1	12
KV89-15	84096	390	120000	87	149	158
KV89-15	84097	550	321000	40	350	552
KV89-15	84098	86	4900	610	5	36
KV89-15	84099	6	42	220	0.25	20
KV89-15	84100	37	148	280	0.25	2
KV89-15	84101	980	25800	1760	30	5640
KV89-15	84102	620	39300	770	55	2680
KV89-15	84103	980	33200	11500	35	1190
KV89-15	84104	270	750	410	1	222
KV89-15	84105	91	30	370	0.25	28
KV89-15	84106	42	2200	86	2	20
KV89-15	84107	940	16300	1510	19	342
KV89-15	84108	51	92	106	1	22
KV89-15	84109	400	10100	260	12	354

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV89-15	84110	83	220	150	1	32
KV89-15	84111	590	13100	10600	17	4880
KV89-15	84112	64	1220	290	4	298
KV90-17	84113	42	26	95	0.25	96
KV90-17	84114	320	2600	11100	2	78
KV90-17	84115	29	50	280	0.25	42
KV90-17	84116	51	32	320	0.25	24
KV90-17	84117	119	113	94	0.25	32
KV90-17	84118	29	78	92	0.25	28
KV90-17	84119	630	29800	49500	20	384
KV90-17	84120	260	1030	7800	1	36
KV90-17	84121	46	95	220	0.25	6
KV90-17	84122	810	2400	4400	3	68
KV90-17	84123	21	39	65	0.25	4
KV90-17	84124	47	23	155	0.25	18

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-17	84125	1650	14600	11400	18	800
KV90-17	84126	69	680	400	1	50
KV90-17	84127	250	4500	6300	5	1274
KV90-17	84128	75	116	310	0.25	16
KV90-17	84129	26	21	132	0.25	8
KV90-17	84130	192	1420	1080	1	52
KV90-17	84131	790	1000	100	2	2780
KV90-17	84132	105	620	320	1	14
KV90-17	84133	1040	6100	37	8	1080
KV90-17	84134	1330	31300	136	29	38
KV90-17	84135	94	230	54	1	4
KV90-17	84136	480	6500	152	6	74
KV90-17	84137	10	45	50	0.25	2
KV90-17	84138	72	1670	86	6	24
KV90-17	84139	1150	47700	8400	72	704

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-17	84140	240	8800	1340	14	24
KV90-17	84141	21200	84	141	8	566
KV90-18	84142	10	27	43	0.25	12
KV90-18	84143	28	11	128	0.25	10
KV90-18	84144	24	63	147	0.25	14
KV90-18	84145	740	19400	152	22	76
KV90-18	84146	80	320	89	0.25	10
KV90-18	84147	55	46	210	0.25	12
KV90-18	84148	93	34	171	1	18
KV90-18	84149	110	2200	450	5	76
KV90-18	84150	960	26	105	0.25	10
KV90-18	84151	240	2100	250	10	26
KV90-18	84152	90	750	43	1	6
KV90-18	84153	47	260	36	1	48
KV90-18	84154	51	125	29	1	44

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-18	84155	900	960	111	3	180
KV90-18	84156	39	50	49	0.25	12
KV90-18	84157	85	10	75	0.25	20
KV90-19	84158	155	1540	28600	5	56
KV90-19	84159	25	108	420	0.25	8
KV90-19	84160	160	450	380	1	38
KV90-19	84161	9	34	320	0.25	6
KV90-19	84162	118	31	370	0.25	4
KV90-19	84163	260	187	88	0.25	152
KV90-19	84164	25	30	59	1	18
KV90-19	84165	56	60	310	0.25	22
KV90-19	84166	44	40	300	0.25	20
KV90-19	84167	62	98	290	0.25	4
KV90-19	84168	101	92	230	1	14
KV90-19	84169	77	100	310	0.25	8

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-19	84170	960	28100	23200	44	2720
KV90-19	84171	54	370	230	1	152
KV90-19	84172	89	74	390	0.25	256
KV90-19	84173	18	42	177	0.25	16
KV90-19	84174	5	46	91	0.25	2
KV90-19	84175	3	80	103	0.25	6
KV90-19	84176	4	33	52	0.25	2
KV90-19	84177	27	33	230	0.25	20
KV90-19	84178	196	920	1170	2	1264
KV90-19	84179	18	21	192	0.25	16
KV90-16	84180	43	34	310	0.25	4
KV90-20	84181	20	21	185	0.25	10
KV90-20	84182	143	260	156	1	240
KV90-20	84183	16	15	54	0.25	2
KV90-20	84184	11	14	15	0.25	2

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-16	84185	104	48	174	0.25	98
KV90-16	84186	1070	6800	1750	9	4920
KV90-16	84187	710	39300	330	42	5840
KV90-16	84188	1910	11900	1900	11	1476
KV90-16	84189	630	3000	131	5	6800
KV90-16	84190	390	8500	39	9	1068
KV90-16	84191	150	2500	270	0.25	22
KV90-16	84192	330	260	440	1	554
KV90-16	84193	25	29	103	0.25	16
KV90-16	84194	340	80	1630	0.25	6
KV90-16	84195	122	950	810	1	6
KV90-16	84196	159	79	175	0.25	20
KV90-16	84197	116	121	77	0.25	1086
KV90-16	84198	25	51	310	0.25	2
KV90-16	84199	23	43	270	0.25	2

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-16	84200	87	195	103	0.25	2
KV90-16	84201	43	5200	1900	6	12
KV90-16	84202	133	186	3400	0.25	158
KV90-16	84203	1460	12200	10400	16	3000
KV90-16	84204	400	300	2300	0.25	1020
KV90-16	84205	46	21	73	0.25	38
KV90-16	84206	31	17	75	0.25	36
KV90-20	84207	3	6	19	0.25	2
KV90-20	84208	119	530	141	1	46
KV90-22	84209	13	22	183	0.05	4
KV90-22	84210	49	12	106	0.17	6
KV90-22	84211	18	14	142	0.41	2
KV90-22	84212	123	92	198	0.32	8
KV90-22	84213	189	490	3300	0.96	1420
KV90-22	84214	28	2900	410	2.8	12

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-22	84215	38	127	460	0.53	30
KV90-22	84216	49	49	370	0.04	6
KV90-22	84217	350	3800	2300	5.5	94
KV90-22	84218	96	910	1820	1.07	14
KV90-22	84219	66	330	340	71	12
KV90-22	84220	410	146000	280	240	560
KV90-22	84221	45	610	400	0.46	6
KV90-22	84222	107	240	490	0.19	42
KV90-22	84223	270	19200	390	27	1560
KV90-22	84224	270	172	540	0.23	16
KV90-22	84225	51	560	310	1.3	12
KV90-22	84226	106	31	320	0.04	2
KV90-22	84227	60	91	370	0.39	6
KV90-22	84228	50	520	380	1.3	20
KV90-22	84229	98	500	1190	1.1	12

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-22	84230	41	151	370	0.14	28
KV90-22	84231	59	85	350	0.05	10
KV90-22	84232	50	13	460	0.04	2
KV90-22	84233	57	66	570	0.06	4
KV90-22	84234	47	88	300	0.13	4
KV90-22	84235	360	420	920	0.75	4
KV90-22	84236	33	144	199	0.04	4
KV90-22	84237	260	630	980	0.92	6
KV90-22	84238	61	61	240	0.06	2
KV90-21	84239	71	39	250	0.25	6
KV90-21	84240	153	46	171	0.25	8
KV90-21	84241	45	17	100	0.25	4
KV90-21	84242	34	54	290	0.25	4
KV90-21	84243	366	44	231	0.25	4
KV90-21	84244	21	78	460	0.25	8

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-21	84245	46	168	280	0.18	6
KV90-21	84246	199	19900	1060	18.4	342
KV90-21	84247	18	178	290	0.08	6
KV90-21	84248	133	49	190	0.15	4
KV90-21	84249	130	20600	68	19.4	12
KV90-21	84250	22	330	320	0.33	10
KV90-21	84251	47	40	320	0.11	10
KV90-21	84252	239	556	122	1	
KV90-21	84253	604	294	158	1	
KV90-21	84254	990	7800	82	8.27	2980
KV90-21	84255	1900	4700	223	5	70
KV90-24	84256	85	36	58	0.14	12
KV90-24	84257	380	447	5800	1	20
KV90-24	84258	312	2400	21100	3	90
KV90-24	84259	719	7900	27100	12	145

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-24	84260	518	2900	2100	7	175
KV90-24	84261	547	33600	19900	27.37064	964.193
KV90-24	84262	136	196	429	0.25	15
KV90-24	84263	44	40	290	0.11	4
KV90-24	84264	681	4900	20800	8	715
KV90-24	84265	50	900	644	1	65
KV90-24	84266	113	556	329	1	95
KV90-24	84267	1260	44800	15200	60	3280
KV90-24	84268	430	5700	940	5.1	38
KV90-24	84269	162	20300	781	25	105
KV90-23	84270	62	179	300	0.39	8
KV90-23	84271	182	720	700	1.24	14
KV90-23	84272	78	78	173	0.18	8
KV90-23	84273	64	141	179	0.4	8
KV90-23	84274	350	1060	74	1.9	1080

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-23	84275	51	45	450	0.08	6
KV90-23	84276	701	1507	201	3	1337.429
KV90-23	84277	47	97	194	0.26	22
KV90-23	84278	67	450	290	0.98	8
KV90-23	84279	1295	31	293	0.25	15
KV90-23	84280	42	36	329	0.25	10
KV90-23	84281	47	133	80	0.25	10
KV90-23	84282	151	4000	1400	3.6	1213.017
KV90-26	84283	12	554	3400	2	5
KV90-26	84284	70	652	1920	1	
KV90-26	84285	102	920	3474	1	
KV90-26	84286	96	736	343	1	
KV90-26	84287	32	60	305	1	
KV90-26	84288	51	358	518	1	
KV90-26	84289	308	10300	582	14.1	180

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-26	84290	336	8500	449	14.5	155
KV90-26	84292	24	365	236	0.5	5
KV90-26	84293	56	31	141	0.1	5
KV90-26	84294	105	171	219	0.3	5
KV90-26	84295	107	49	200	0.2	10
KV90-26	84296	34	372	3040	1	
KV90-26	84297	113	8100	188	11	
KV90-26	84298	45	56	340	0.25	
KV90-26	84299	16	324	254	0.4	5
KV90-26	84300	276	17100	2900	21.6	120
KV90-26	84301	74	180	258	0.8	5
KV90-26	84302	63	218	289	0.3	5
KV90-26	84303	223	3100	263	3.2	50
KV90-26	84304	14	88	217	0.1	5
KV90-26	84305	112	76	126	0.1	5

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-27	84306	46	1880	480	2.1	12
KV90-27	84307	53	130	320	0.14	12
KV90-27	84308	35	38	250	0.05	10
KV90-27	84309	88	2900	280	3	16
KV90-27	84310	113	500	340	0.87	24
KV90-27	84311	250	1190	470	1.9	16
KV90-27	84312	79	82	390	0.09	6
KV90-27	84313	107	350	400	0.32	10
KV90-27	84314	62	119	400	0.51	18
KV90-27	84315	1030	20500	12100	24	5754.055
KV90-27	84316	65	128	340	0.21	20
KV90-27	84317	35	44	180	0.04	6
KV90-27	84318	45	63	320	0.08	10
KV90-27	84319	17	26	191	0.19	12
KV90-27	84320	127	155	340	0.27	8

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-27	84321	740	1920	420	2.7	376
KV90-27	84322	131	198	250	0.35	26
KV90-27	84323	94	75	410	0.07	4
KV90-27	84324	73	136	420	0.32	10
KV90-27	84325	580	24300	6100	27	688
KV90-27	84326	116	530	250	0.59	8
KV90-29	84327	388	2024	451	3	890
KV90-29	84328					4541.038
KV90-29	84329		1400			4323.317
KV90-29	84330					2301.622
KV90-29	84331					4603.244
KV90-29	84332					3110.3
KV90-29	84333		42500			
KV90-29	84334	1990	3400	103	4.2	508
KV90-29	84335	1522	3137	314	3	94

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	84336	2382	9361	365	11	570
KV90-29	84337		13200			
KV90-29	84338	86	169	300	0.08	12
KV90-29	84339	478	465	327	0.25	8
KV90-29	84340	21	23	176	0.25	5
KV90-29	84341	16	15	144	0.03	10
KV90-29	84342	870	1950	900	1.32	358
KV90-29	84343					2892.579
KV90-29	84344	111	73	193	0.25	155
KV90-29	84345	45	15	230	0.08	2
KV90-29	84346					3483.536
KV90-29	84347	3	31	143	0.25	10
KV90-29	84348	3	28	205	0.25	42
KV90-29	84349	2070	4917	1181	5	920
KV90-29	84350					1088.605

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-29	84351					1492.944
KV90-29	84352	65	62	225	0.25	51
KV90-29	84353	57	930	240	2.4	516
KV90-29	84354	66	277	106	1	2010
KV90-29	84355					1119.708
KV90-29	84357	36	230	161	0.4	1856
KV90-29	84358	99	268	262	1	7050
KV90-29	84359	150	747	425	1	390
KV90-30	84360	121	11	24	0.18	8
KV90-29	84364	68	820	310	1.13	42
KV90-29	84366	310	960	370	1.17	1940
KV90-29	84367	24	44	129	0.08	162
KV90-34	84368	904	2407	3464	3	1026.399
KV90-34	84369	47	81	357	1	12
KV90-35	84370	90	37	87	0.25	7

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-35	84371	1557	367	103	1	12320
KV90-35	84372	254	484	432	1	29
KV90-35	84373	86	212	74	0.25	610
KV90-35	84374	1253	17025	1554	16	3600
KV90-35	84375	2039	8057	1182	8	1820
KV90-35	84376	202	98	120	0.25	20
KV90-35	84377	69	82	161	0.25	8
KV90-35	84378	204	109	215	0.25	17
KV90-35	84379	40	38	166	0.25	6
KV90-35	84380	397	54	54	0.25	1730
KV90-35	84381	1129	1474	397	3	2270
KV90-35	84382	916	4277	1222	5	1560
KV90-35	84383	212	693	136	1	38
KV90-35	84384	534	87	44	0.25	132
KV90-35	84385	75	12	37	0.25	8

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-36	84386	29	161	39	0.25	230
KV90-36	84388	4527	25150	1305	44	4840
KV90-36	84389	158	2373	114	3	380
KV90-36	84390	67	14809	62	10	14
KV90-36	84391	135	330	246	1	680
KV90-36	84392	1911	41.7	275	5	7630
KV90-36	84393	1556	5485	57	5	1840
KV90-36	84394	3540	10732	115	12	2430
KV90-36	84395	225	731	552	1	260
KV90-36	84396	245	1716	863	3	29
KV90-36	84397	56	100	240	0.25	61
KV90-36	84398	103	242	169	1	260
KV90-36	84399	20	66	150	0.25	52
KV90-36	84400	252	183	185	1	19
KV90-36	84401	1080	1026	20	2	136

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-36	84402	254	205	381	1	10
KV90-37	84421	59.01	100	100		31.103
KV90-37	84422	2291.23	1122	790	2	1590
KV90-37	84423	2013.2	15178	84.01	19	2120
KV90-37	84424	2508.25	2014	39	3	1790
KV90-37	84425	920.09	6887.69	101.01	10	2380
KV90-37	84426	836.08	2683.27	93.01	4	2110
KV90-37	84427	214.02	9334.93	94.01	10	2750
KV90-37	84428	2701.27	6106	1592	8	2550
KV90-37	84429	1250.13	2604	311	4	1630
KV90-37	84430	74.01	300	100	0.995296	933.09
KV90-37	84431	294.03	500	100	0.995296	1150.811
KV90-37	84432	2222.22	2481	2992	3	3620
KV90-37	84433	467.05	100	100	1.990592	8530
KV90-37	84434	929.09	5876	2190	6	3630

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-37	84435	766.08	5576	303	7	1010
KV90-37	84436	55.01	100	200	0.25	20
KV90-37	84437	896.09	9169	479	11	380
KV90-37	84438	47	100	300	0.25	62.206
KV90-37	84439	92.01	50	100	0.25	5
KV90-37	84440	45	50	100	0.25	27
KV90-37	84441	1356.14	11859	1640	12	2180
KV90-37	84442	35	50	200	0.25	33
KV90-37	84443	29	100	100	0.25	27
KV90-37	84444	138.01	50	100	0.995296	12
KV90-37	84445	2635.26	7421	2316	7	690
KV90-37	84446	417.04	418	7049	2	29
KV90-37	84447	18	50	300	0.25	1
KV90-37	84448	74.01	400	100	0.25	7
KV90-37	84449	71.01	900	200	1.990592	1

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-37	84450	147.01	500	800	0.995296	186.618
KV90-37	84451	821.08	11335	367	19	1010
KV90-37	84452	1838.18	18071	744	25.50446	2390
KV90-37	84453	1421	4032	297	4	4850
KV90-37	84454	3644	2914	256	4	456
KV90-37	84455	993	1174	35	2	1680
KV90-37	84456	1414	12829	3245	13	3640
KV90-37	84457	136	700	100	0.995296	715.369
KV90-37	84458	179	200	100	0.25	217.721
KV90-37	84459	171	100	300	0.995296	31.103
KV90-37	84460	187	700	500	0.995296	62.206
KV90-37	84461	1235	12940	1188	15	1320
KV90-37	84462	186	4300	600	4.97648	435.442
KV90-39	84463	8	21	113	0.25	7
KV90-39	84464	1042	16389	205	21	2870

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-39	84465	69		246	0.25	560
KV90-39	84466	78		167	1	1
KV90-39	84467	36		143	0.25	9
KV90-39	84468	831		133	4	2460
KV90-39	84469	10		158	0.25	21
KV90-39	84470	72		229	0.25	11
KV90-39	84471	1445		110	2	1690
KV90-39	84472	975		2031	12	3310
KV90-39	84473	988		1185	9	125
KV90-39	84474	9		134	0.25	5
KV90-39	84475	119		34	0.25	13
KV90-38	84476	54	159	893	0.25	75
KV90-38	84477	166	3772	14613	5	89
KV90-38	84478	2451	18010	7683	13	1630
KV90-38	84479	89	294	364	1	3

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-38	84480	146	1342	1976	2	10
KV90-39	84481	735	17697	5740	46	640
KV90-38	84482	155	118	246	1	6
KV90-38	84483	99	74	261	0.25	1
KV90-38	84484	123	401	612	1	37
KV90-38	84485	159	409	8244	1	6
KV90-38	84486	185	959	2534	1	270
KV90-38	84487	22	143	228	1	5
KV90-38	84488	66	307	371	1	49
KV90-38	84489	65	525	734	1	12
KV90-38	84490	341	4377	364	4	490
KV90-38	84491	41	101	293	0.25	4
KV90-38	84492	63	818	282	1	3
KV90-38	84493	433	2467	336	3	101
KV90-38	84494	39	1196	175	1	280

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-38	84495	694	19117	15067	52	2790
KV90-38	84496	826	27067	1277	19	1450
KV90-38	84497	59	97	165	0.25	2
KV90-40	84501	43	28	57	0.03	2
KV90-40	84502	1763	5739	3936	9	1190
KV90-40	84503	1068	17651	5599	44	6350
KV90-40	84504	98	231	556	0.25	19
KV90-40	84505	54	366	262	1	19
KV90-40	84506	215	1801	1276	3	510
KV90-40	84507	28	47	88	0.25	4
KV90-40	84508	87	836	153	1	1
KV90-40	84509	1211	16075	10182	13	1030
KV90-40	84510	107	177	98	0.25	1
KV90-40	84511	227	277	228	0.25	380
KV90-40	84512	106	79	71	0.25	120

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-40	84513	2357	9122	664	9	890
KV90-40	84514	67	111	95	0.25	9
KV90-40	84515	196	847	294	1	1
KV90-40	84516	36	400	12	0.52	198
KV90-40	84517	288	1060	24	2	1590
KV90-40	84518	100	5034	4676	4	1450
KV90-40	84519	1431	3454	1399	5	5930
KV90-40	84520	2726	13340	3497	20	1640
KV90-40	84521	2257	18435	61676	74	5400
KV90-40	84522	2769	18651	19528	22	1850
KV90-40	84523	1867	22107	17230	36	2630
KV90-40	84524	66	376	271	0.25	31
KV90-40	84525	17	280	146	0.25	12
KV90-40	84526	157	95	179	0.25	2
KV90-40	84527	613	86	241	0.25	69

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-40	84528	440	700	159	0.81	710
KV90-40	84529	1517	1521	130	3	2160
KV90-40	84530	18	47	7	0.25	109
KV90-40	84531	108	947	27	1	1950
KV90-40	84532	80	39	113	0.25	16
KV90-40	84533	178	250	17	0.47	204
KV90-40	84534	159	52	109	0.16	2
KV90-40	84535	870	300	118	0.91	402
KV90-40	84536	23	65	141	0.14	4
KV90-31	84613	282	5237	78613	4	260
KV90-31	84614	49	359	611	0.25	5
KV90-31	84615	139	40	170	0.25	18
KV90-31	84616	44	32	361	0.25	5
KV90-31	84617	725	6475	3448	7	550
KV90-31	84618	45	6213	2649	5	320

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-31	84619	87	57	136	0.25	460
KV90-31	84620	706	4820	90	8	3120
KV90-31	84621	727	5655	163	9	167
KV90-31	84622	49	185	315	1	21
KV90-31	84623	1306	944	204	2	2320
KV90-31	84624	755	4960	693	8	690
KV90-31	84625	79	626	434	1	3240
KV90-31	84626	78	318	270	1	17400
KV90-31	84627	508	196	436	1	6380
KV90-31	84628	103	2812	819	4	1410
KV90-31	84629	1936	7993	618	10	610
KV90-31	84630	1324	14726	692	15	1020
KV90-31	84631	71	559	82	1	2240
KV90-31	84632	826	6244	68	6	106
KV90-31	84633	52	2763	16	3	1030

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-31	84634	129	5350	54	6	520
KV90-31	84635	192	184	187	1	58
KV90-31	84636	1087	3779	193	5	1830
KV90-31	84637	811	2968	70	12	3580
KV90-31	84638	90	2705	507	2	1410
KV90-31	84639	392	1392	614	2	1150
KV90-31	84640	917	16283	6949	25	1870
KV90-31	84641	59	296	241	0.25	460
KV90-31	84642	378	18411	20643	32	310
KV90-31	84643	246	707	418	2	4950
KV90-31	84644	57	751	631	1	38
KV90-31	84645	45	55	176	0.25	8
KV90-31	84646	153	316	88	1	570
KV90-31	84647	17	61	352	0.25	8
KV90-32	84648	300	92	103	0.2	940

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-32	84649	50	12	85	0.1	10
KV90-32	84650	29	33	77	0.1	1
KV90-32	84651	166	83	193	0.1	15
KV90-32	84652	2142	5538	1078	9.09	610
KV90-32	84653	1952	923	1249	2.09	4090
KV90-32	84654	1178	597	1471	1.69	6150
KV90-32	84655	1227	2425	2584	3.39	5180
KV90-32	84656	1523	2771	1543	4	2220
KV90-32	84657	1713	5647	9150	6.9	1820
KV90-32	84658	77	141	248	0.1	12
KV90-32	84659	62	259	565	0.4	10
KV90-32	84660	17	30	95	0.1	1
KV90-32	84661	114	13056	200	18.19	40
KV90-32	84662	10	74	120	0.1	12
KV90-32	84663	90	482	497	1	3

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-32	84664	408	18984	13053	11.3	970
KV90-32	84665	486	3272	243	3.31	3290
KV90-32	84666	274	259	517	1.2	14
KV90-32	84667	745	10971	4594	12.9	1420
KV90-32	84668	117	133	483	1	90
KV90-32	84669	52	454	411	1.1	22
KV90-32	84670	29	241	185	0.7	1
KV90-32	84671	204	3258	7275	5.4	72
KV90-32	84672	52	395	272	1.3	38
KV90-32	84673	247	135	288	0.2	28
KV90-32	84674	474	1979	156	1.8	1030
KV90-32	84675	2414	16329	141	12.9	3320
KV90-32	84676	26	402	367	0.39	47
KV90-32	84677	153	324	1300	0.8	26
KV90-32	84678	62	41	306	0.1	1

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-32	84679	404	463	664	0.4	780
KV90-32	84680	106	392	742	0.5	46
KV90-33	84681	61	109	215	0.25	3
KV90-33	84682	1177	5210	8072	8	2220
KV90-33	84683	2144	11910	111	13	790
KV90-33	84684	42	53	191	0.25	3
KV90-34	84685	82	63	242	0.25	13
KV90-34	84686	982	5272	2498	6	1390
KV90-34	84687	4	36	161	1	20
KV90-34	84688	360	165	112	1	29
KV90-34	84689	130	88	176	1	23
KV90-34	84690	82	23	237	0.25	14
KV90-34	84691	593	1067	608	2	1620
KV90-34	84692	60	32	42	0.25	32
KV90-34	84693	1357	4062	842	7	2540

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-34	84694	88	106	125	0.25	20
KV90-34	84695	29	78	63	0.25	3
KV90-34	84696	263	721	109	1	2390
KV90-34	84697	825	711	257	1	2430
KV90-34	84698	474	1854	2491	2	2150
KV90-34	84699	318	3921	6710	4	2660
KV90-34	84700	17	125	313	0.25	99
KV90-41	84701	100	51	85	0.04	4
KV90-41	84702	300	45	79	0.23	652
KV90-41	84703	100	102	137	0.1	4
KV90-41	84704	200	39	114	0.04	2
KV90-41	84705	100	87	97	0.12	16
KV90-41	84706	600	2900	151	0.9	760
KV90-41	84707	600	125	230	0.92	142
KV90-41	84708	100	131	153	0.3	10

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	84709	100	150	176	0.37	4
KV90-41	84710	500	4500	4600	4.3	1804
KV90-41	84711	200	20500	410	26	1276
KV90-41	84712	100	350	166	0.67	22
KV90-41	84713	800	33300	1580	38	1530
KV90-41	84714	600	26300	4300	34	928
KV90-41	84715	300	260	200	0.35	6
KV90-41	84716	600	27000	960	37	1868
KV90-41	84717	200	4900	1510	6.8	40
KV90-41	84718	100	540	310	0.63	6
KV90-41	84719	630	72300	2800	80	830
KV90-41	84720	460	23100	600	22	466
KV90-41	84721	490	5300	330	6	40
KV90-41	84722	730	39500	2800	39	1086
KV90-41	84723	1230	51100	1800	50	708

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	84724	1350	28200	1750	28	236
KV90-41	84725	630	36600	1700	43	466
KV90-41	84726	540	13400	510	18	488
KV90-41	84727	340	8600	160	10.9	170
KV90-41	84728	84	380	210	0.58	8
KV90-41	84729	119	15100	91	15.6	1982
KV90-41	84730	390	350	161	0.59	16
KV90-41	84731	63	142	188	0.23	20
KV90-41	84732	960	870	480	1.16	936
KV90-41	84733	640	96700	7100	141	54
KV90-41	84734	730	530	260	1.2	554
KV90-41	84735	520	400	69	0.93	266
KV90-41	84736	290	2400	93	4.6	68
KV90-41	84737	1420	710	54	1.26	938
KV90-41	84738	190	480	55	0.93	366

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	84739	520	116	380	0.52	12
KV90-41	84740	650	471000	185000	356	308
KV90-41	84741	2300	192000	73000	123	340
KV90-41	84742	490	630	730	0.39	4
KV90-41	84743	71	2600	300	1.56	772
KV90-41	84744	1700	4900	300	4.6	1056
KV90-41	84745	360	7000	3700	4.2	154
KV90-41	84746	58	173	880	0.11	8
KV90-41	84747	102	71	147000	1.56	34
KV90-41	84748	6	127	1380	0.06	8
KV90-41	84749	44	710	178	0.4	8
KV90-41	84750	6400	42600	30800	31	18
KV90-41	84751	270	63200	4600	40	36
KV90-41	84752	7700	56000	22600	79	298
KV90-41	84753	550	26000	32700	12.2	26

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-41	84754	24	25	4700	0.05	6
KV90-41	84755	84	18	113	0.05	8
KV90-36	84837	2902	22200	168	398	5790
KV90-30	88403	12	87	121	0.25	2
KV90-30	88404	80	877	693	1	123
KV90-31	88405	357	6807	2107	4	640
KV90-31	88406	461	17500	457	10	1866.18
KV90-30	88407	37	114	294	0.25	5
KV90-30	88408	44	110	227	1	8
KV90-30	88409	61	5	164	0.25	3
KV90-30	88410	63	112	229	1	5
KV90-30	88411	227	2904	714	4	58
KV90-30	88412	129	3549	1274	3	30
KV90-30	88413	170	67	112	0.25	3
KV90-30	88414	80	16	70	0.25	

DDH ID	DDH SAMP	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
KV90-30	88415	148	6	83	0.25	3
KV90-30	88416	43	14	96	1	4
KV90-30	88417	5	1.5	17	0.25	2
KV90-30	88418	98	140	239	0.25	310
KV90-30	88419	6	11	376	1	3
KV90-30	88420	90	4	285	1	26

Appendix V – Analytical Certificates

5.1 – Rock Samples
5.2 - Soil Samples

5.1 – Rock Samples

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By:	Jesse Campbell
Receiving Lab:	Canada-Vancouver
Received:	May 15, 2012
Report Date:	May 28, 2012
Page:	1 of 3

CERTIFICATE OF ANALYSIS VAN12002233.1

CLIENT JOB INFORMATION

Project:	VN2012-001
Shipment ID:	VN12-002
P.O. Number	
Number of Samples:	33

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
DISP-RJT	Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	30	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	33	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1DX1	33	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: PJX Resources Inc.
5600 - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Chris Gallagher
Linda Brennan
John Keating

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: VN2012-001
Report Date: May 28, 2012

CERTIFICATE OF ANALYSIS VAN12002233.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
ABVNR001	Rock	1.52	<0.005	0.3	3.4	35.6	53	<0.1	12.4	5.9	435	1.69	1.7	0.5	15.3	109	<0.1	0.2	<0.1	16	1.30
ABVNR002	Rock	1.31	0.040	2.9	693.6	23.6	122	0.3	170.8	72.1	985	18.31	281.6	34.5	3.6	26	0.1	6.1	0.3	56	0.61
ABVNR003	Rock	1.23	0.022	1.8	163.7	38.8	105	0.1	66.8	23.2	3725	4.85	91.1	2.1	0.9	75	0.3	3.4	0.3	35	16.16
ABVNR004	Rock	1.53	0.006	0.2	47.6	91.1	2611	<0.1	57.4	28.2	1445	5.47	56.9	2.9	1.1	41	19.9	2.5	<0.1	128	1.51
ABVNR005	Rock	1.27	0.008	0.2	42.7	67.3	2282	<0.1	55.1	25.8	1811	5.95	76.3	2.2	1.0	27	19.3	2.2	<0.1	145	1.55
ABVNR006	Rock	1.28	0.014	0.3	145.6	311.3	3067	0.4	38.1	7.8	2813	9.75	42.4	5.9	1.2	25	60.6	1.2	0.1	289	2.64
ABVNR007	Rock	1.11	0.190	0.5	177.3	>10000	1771	13.5	10.6	2.5	457	4.28	260.7	328.4	12.3	56	18.2	15.3	6.3	39	1.72
ABVNR007B	Rock	1.60	<0.005	<0.1	0.9	9.3	15	<0.1	<0.1	0.9	217	0.44	<0.5	<0.5	0.1	42	0.2	<0.1	<0.1	2	19.02
ABVNR007D	Rock	1.10	0.125	0.3	195.1	4096	1760	5.5	12.7	4.1	514	5.64	204.8	68.0	3.3	63	21.3	16.6	1.8	62	3.25
ABVNR007S	Rock Pulp	0.04	0.903	11.9	92.2	8.7	80	0.7	36.4	163.3	1151	3.95	6252	872.8	1.5	131	0.2	8.1	35.4	35	6.54
ABVNR008	Rock	1.17	1.244	0.6	510.6	>10000	7833	41.5	50.7	126.3	1171	5.58	7360	1273	4.9	13	155.6	69.4	5.5	29	2.60
ABVNR009	Rock	1.61	0.017	0.3	97.7	561.0	683	0.7	8.5	21.6	739	2.59	47.1	82.9	11.8	9	8.5	2.6	0.1	13	0.21
ABVNR010	Rock	0.88	0.684	0.5	106.9	>10000	390	16.8	10.1	4.3	87	3.07	597.0	419.1	1.5	9	5.6	42.7	8.1	<2	0.30
AUVNR002	Rock	1.73	0.009	0.3	6.5	11.5	37	<0.1	9.9	3.8	201	2.48	7.8	3.3	16.8	4	<0.1	0.5	0.2	16	0.06
BFVNR002	Rock	2.26	0.006	<0.1	3.4	5.5	21	<0.1	7.8	3.3	103	1.07	3.4	4.1	14.5	3	<0.1	0.2	<0.1	5	0.08
CRVNR001	Rock	1.86	0.008	0.2	1.6	2.7	5	<0.1	1.7	0.5	201	0.53	0.7	1.2	0.3	12	<0.1	0.1	<0.1	<2	0.11
LJVNR001	Rock	8.05	3.354	0.3	1904	>10000	>10000	>100	108.0	39.0	593	21.48	1855	4302	0.7	6	951.3	>2000	27.5	32	0.75
LJVNR002	Rock	0.94	0.062	0.4	84.3	1971	1708	2.1	63.6	20.7	2780	8.77	155.6	61.4	1.2	21	13.9	14.1	0.3	213	4.24
LJVNR002B	Rock	1.77	0.011	<0.1	1.4	88.0	35	0.1	1.7	1.0	215	0.47	1.0	5.7	0.1	44	0.3	1.2	<0.1	2	19.74
LJVNR002S	Rock Pulp	0.01	4.025	5.1	3532	>10000	>10000	90.9	9.1	7.6	1653	3.65	23.6	4642	0.5	114	238.7	126.1	6.4	22	3.32
LJVNR003	Rock	1.38	0.276	0.4	206.8	>10000	2533	49.7	43.7	17.4	1527	7.62	31.4	217.2	0.8	19	32.3	50.4	61.0	161	2.64
LJVNR004	Rock	2.60	0.079	0.4	128.3	2034	109	2.7	5.5	2.8	175	5.23	1169	81.6	7.3	8	1.4	10.5	0.6	8	0.12
JSVNR002	Rock	1.63	0.010	0.2	8.0	24.8	53	<0.1	15.7	6.9	220	2.66	8.9	6.8	16.5	5	<0.1	0.4	0.3	19	0.07
MCVNR001	Rock	1.65	0.011	0.4	23.5	79.5	657	0.1	47.5	25.5	1291	5.15	185.6	<0.5	0.8	42	5.8	1.5	<0.1	135	1.43
MCVNR002	Rock	0.96	0.017	2.3	3.3	148.5	302	0.2	14.4	4.0	938	2.78	5.7	6.6	8.5	21	3.3	0.7	0.2	27	1.46
MCVNR002S	Rock Pulp	1.45	4.354	9.4	105.3	9.0	53	59.6	15.1	10.7	521	3.62	1083	3244	3.2	91	0.2	10.1	1.2	96	1.06
MCVNR003	Rock	0.85	0.020	0.9	18.0	943.0	2356	1.1	8.4	5.8	463	2.12	27.8	5.7	8.5	8	31.4	2.1	0.9	11	0.31
MCVNR004	Rock	1.34	0.011	0.3	50.7	820.8	2320	0.9	7.8	7.7	412	2.86	93.3	4.7	7.1	21	25.5	2.6	0.3	10	0.25
MCVNR005	Rock	2.55	0.168	0.4	348.5	>10000	6201	95.6	68.9	50.0	283	12.60	55.6	90.8	2.4	8	59.5	90.3	37.5	4	0.18
MCVNR005B	Rock	0.98	0.007	<0.1	1.8	390.6	28	0.3	1.0	1.4	223	0.44	1.2	0.8	<0.1	43	0.3	0.5	<0.1	<2	19.81

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

Project: VN2012-001
Report Date: May 28, 2012

CERTIFICATE OF ANALYSIS VAN12002233.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
ABVNR001	Rock	0.025	31	18	0.57	40	0.072	<20	1.56	0.041	0.36	0.1	<0.01	2.3	0.2	<0.05	3	<0.5	<0.2
ABVNR002	Rock	0.007	13	12	0.66	33	0.048	<20	1.41	0.012	0.15	<0.1	0.02	8.6	0.1	0.28	16	0.6	<0.2
ABVNR003	Rock	0.008	13	13	0.65	30	0.027	<20	0.82	0.003	0.08	0.1	0.01	4.6	0.1	<0.05	3	<0.5	<0.2
ABVNR004	Rock	0.035	4	117	2.28	86	0.201	<20	3.28	0.039	0.97	0.3	0.04	9.9	0.4	0.15	7	<0.5	<0.2
ABVNR005	Rock	0.034	5	132	2.59	125	0.248	<20	3.85	0.051	1.58	0.4	0.02	10.2	0.7	0.09	8	<0.5	<0.2
ABVNR006	Rock	0.036	5	205	3.42	389	0.400	<20	6.15	0.022	3.92	0.3	0.04	21.6	1.7	0.56	15	<0.5	<0.2
ABVNR007	Rock	0.032	10	39	0.44	88	0.088	<20	1.82	0.045	0.51	0.3	0.52	3.4	0.3	1.20	4	<0.5	0.4
ABVNR007B	Rock	0.016	<1	<1	12.82	15	<0.001	<20	0.02	<0.001	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
ABVNR007D	Rock	0.021	3	47	0.41	110	0.128	<20	1.51	0.007	0.75	0.3	0.31	4.2	0.4	1.91	5	<0.5	<0.2
ABVNR007S	Rock Pulp	0.123	12	20	0.53	50	0.055	50	1.51	0.121	0.10	7.7	0.03	3.1	<0.1	0.94	4	9.4	6.1
ABVNR008	Rock	0.024	10	28	0.41	60	0.040	<20	2.05	0.004	0.46	0.4	0.78	2.7	0.3	1.86	3	<0.5	<0.2
ABVNR009	Rock	0.029	12	13	0.34	65	0.112	<20	1.64	0.016	0.38	0.1	0.04	6.9	0.2	0.12	4	<0.5	<0.2
ABVNR010	Rock	0.004	1	6	0.02	34	0.016	<20	0.19	0.004	0.16	0.2	0.88	0.4	0.1	2.34	1	0.6	0.6
AUVNR002	Rock	0.034	17	14	0.46	114	0.107	<20	1.34	0.014	0.96	<0.1	<0.01	1.9	0.7	<0.05	4	<0.5	<0.2
BFVNR002	Rock	0.029	33	7	0.17	76	0.030	<20	0.69	0.015	0.42	<0.1	<0.01	1.2	0.2	<0.05	2	<0.5	<0.2
CRVNR001	Rock	0.005	3	15	0.02	19	0.005	<20	0.09	0.008	0.04	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
LJVNR001	Rock	0.007	<1	29	0.30	28	0.033	<20	0.64	0.005	0.19	0.2	0.81	1.6	0.5	>10	3	2.2	0.4
LJVNR002	Rock	0.033	3	218	3.46	226	0.341	<20	5.18	0.012	2.46	0.5	0.04	10.9	1.1	0.74	11	<0.5	<0.2
LJVNR002B	Rock	0.015	<1	<1	13.18	18	<0.001	<20	0.01	<0.001	0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
LJVNR002S	Rock Pulp	0.052	3	28	0.77	71	0.062	<20	1.02	0.022	0.27	0.3	0.44	1.3	0.9	3.69	3	1.5	0.9
LJVNR003	Rock	0.023	2	187	2.04	191	0.261	<20	3.27	0.011	1.70	0.6	0.06	8.7	1.2	2.91	8	1.7	0.9
LJVNR004	Rock	0.019	7	11	0.14	46	0.087	<20	0.64	0.017	0.29	0.2	0.02	1.1	0.1	0.29	5	<0.5	<0.2
JSVNR002	Rock	0.040	36	17	0.49	140	0.111	<20	1.46	0.023	0.95	0.1	<0.01	2.8	0.7	<0.05	5	<0.5	<0.2
MCVNR001	Rock	0.036	3	126	2.22	88	0.227	<20	3.16	0.048	0.73	0.3	0.03	11.2	0.3	0.08	7	<0.5	<0.2
MCVNR002	Rock	0.046	8	27	1.08	57	0.126	<20	2.15	0.013	0.46	0.5	0.01	3.2	0.2	<0.05	5	<0.5	<0.2
MCVNR002S	Rock Pulp	0.060	8	22	0.84	201	0.135	<20	1.94	0.228	0.28	0.6	0.27	3.6	<0.1	0.13	5	2.0	0.4
MCVNR003	Rock	0.041	5	16	0.45	94	0.097	<20	1.43	0.014	0.82	0.3	0.01	1.8	0.4	0.23	4	<0.5	<0.2
MCVNR004	Rock	0.038	16	13	0.42	87	0.089	<20	1.33	0.025	0.75	0.3	0.02	1.6	0.4	0.64	4	<0.5	<0.2
MCVNR005	Rock	0.008	9	9	0.18	<1	0.037	<20	0.48	0.010	0.19	0.2	0.22	1.3	0.5	>10	3	2.7	0.6
MCVNR005B	Rock	0.016	<1	<1	13.23	19	<0.001	<20	0.02	0.001	0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2

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Cranbrook BC V1C 2R7 Canada

Project: VN2012-001
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CERTIFICATE OF ANALYSIS VAN12002233.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
MCVNR005D	Rock	0.04	0.064	0.3	262.7	9805	9037	10.3	50.3	41.9	300	6.01	47.3	32.0	5.1	6	80.2	15.4	2.7	7	0.20
MCVNR006	Rock	1.30	0.038	0.5	232.2	>10000	4661	15.0	48.7	26.1	989	5.03	27.5	11.0	8.0	31	53.1	12.1	6.2	13	4.24
MCVNR007	Rock	1.64	0.008	0.6	33.1	99.2	578	0.2	11.0	6.2	763	2.63	10.5	2.7	9.3	26	4.6	0.5	0.1	16	1.16

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MCVNR005D	Rock	0.023	9	10	0.15	70	0.052	<20	1.02	0.014	0.53	0.3	0.03	1.2	0.2	6.15	3	0.6	<0.2
MCVNR006	Rock	0.029	16	16	0.79	27	0.068	<20	1.57	0.016	0.28	0.4	<0.01	2.4	0.2	4.21	5	<0.5	<0.2
MCVNR007	Rock	0.052	17	20	0.91	78	0.106	<20	2.15	0.021	0.82	0.2	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: VN2012-001
Report Date: May 28, 2012

QUALITY CONTROL REPORT VAN12002233.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
ABVNR008	Rock	1.17	1.244	0.6	510.6	>10000	7833	41.5	50.7	126.3	1171	5.58	7360	1273	4.9	13	155.6	69.4	5.5	29	2.60
REP ABVNR008	QC			0.7	517.3	>10000	7995	41.1	50.7	127.9	1188	5.80	7471	1358	5.0	14	159.7	63.8	5.3	28	2.64
LJVNR003	Rock	1.38	0.276	0.4	206.8	>10000	2533	49.7	43.7	17.4	1527	7.62	31.4	217.2	0.8	19	32.3	50.4	61.0	161	2.64
REP LJVNR003	QC		0.311																		
Core Reject Duplicates																					
AUVNR002	Rock	1.73	0.009	0.3	6.5	11.5	37	<0.1	9.9	3.8	201	2.48	7.8	3.3	16.8	4	<0.1	0.5	0.2	16	0.06
DUP AUVNR002	QC		0.007	0.4	6.7	18.8	38	<0.1	9.7	3.9	205	2.47	9.3	5.7	16.6	5	<0.1	0.7	0.2	16	0.06
Reference Materials																					
STD DS9	Standard			13.3	116.5	136.8	330	1.9	40.1	7.8	591	2.44	27.4	108.7	7.3	82	2.5	5.8	6.6	42	0.77
STD DS9	Standard			14.5	115.8	136.3	341	2.0	43.8	8.2	646	2.59	28.3	120.7	6.9	80	2.4	4.3	6.5	46	0.81
STD OREAS45CA	Standard			1.1	546.7	24.4	68	0.3	277.9	100.4	993	17.43	4.9	59.6	8.7	19	<0.1	0.2	0.2	229	0.46
STD OREAS45CA	Standard			0.8	532.2	21.3	62	0.3	263.3	93.2	978	16.44	3.8	46.7	7.4	16	<0.1	<0.1	0.2	235	0.46
STD OXG99	Standard		0.931																		
STD OXK94	Standard		3.523																		
STD OXK94	Standard		3.386																		
STD OXG99 Expected			0.932																		
STD OXK94 Expected			3.562																		
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD DS9 Expected				12.74	104	126	322	1.69	39.5	7.6	586	2.37	27	102	7.15	76.1	2.3	4.84	6.78	40	0.776
BLK	Blank		0.008																		
BLK	Blank		<0.005																		
BLK	Blank		0.009																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	0.7	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.007	0.2	3.3	3.2	48	<0.1	2.9	4.1	614	2.11	<0.5	2.4	5.7	68	<0.1	<0.1	<0.1	37	0.59
G1	Prep Blank	<0.01	0.007	0.1	2.2	3.2	46	<0.1	2.4	3.7	612	2.15	<0.5	2.2	5.3	67	<0.1	<0.1	<0.1	38	0.54

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Project: VN2012-001
Report Date: May 28, 2012

QUALITY CONTROL REPORT VAN12002233.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
ABVNR008	Rock	0.024	10	28	0.41	60	0.040	<20	2.05	0.004	0.46	0.4	0.78	2.7	0.3	1.86	3	<0.5	<0.2
REP ABVNR008	QC	0.023	10	27	0.41	58	0.038	<20	2.07	0.004	0.46	0.4	0.85	2.7	0.3	1.87	3	<0.5	<0.2
LJVNR003	Rock	0.023	2	187	2.04	191	0.261	<20	3.27	0.011	1.70	0.6	0.06	8.7	1.2	2.91	8	1.7	0.9
REP LJVNR003	QC																		
Core Reject Duplicates																			
AUVNR002	Rock	0.034	17	14	0.46	114	0.107	<20	1.34	0.014	0.96	<0.1	<0.01	1.9	0.7	<0.05	4	<0.5	<0.2
DUP AUVNR002	QC	0.035	18	14	0.46	115	0.109	<20	1.32	0.013	0.95	<0.1	<0.01	1.8	0.8	<0.05	4	<0.5	<0.2
Reference Materials																			
STD DS9	Standard	0.090	14	119	0.65	353	0.119	<20	1.01	0.087	0.42	2.9	0.18	2.6	5.8	0.16	5	5.3	5.9
STD DS9	Standard	0.089	15	133	0.68	370	0.121	<20	1.07	0.092	0.44	2.9	0.24	2.7	6.0	0.18	5	5.0	5.3
STD OREAS45CA	Standard	0.043	20	677	0.18	194	0.146	<20	4.07	0.010	0.08	<0.1	0.03	50.9	<0.1	<0.05	21	0.7	<0.2
STD OREAS45CA	Standard	0.041	18	787	0.15	187	0.139	<20	3.93	0.013	0.08	<0.1	0.03	48.3	0.1	<0.05	20	0.7	<0.2
STD OXG99	Standard																		
STD OXK94	Standard																		
STD OXK94	Standard																		
STD OXG99 Expected																			
STD OXK94 Expected																			
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
STD DS9 Expected		0.0844	15.7	119	0.6437	308	0.1239		0.9915	0.0905	0.3874	3	0.225	2.8	5.48	0.1737	4.84	5.4	5
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.078	14	8	0.53	176	0.130	<20	0.98	0.095	0.51	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.079	13	7	0.51	164	0.123	<20	0.97	0.091	0.49	0.3	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2

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Client:	**TerraLogic Exploration Inc.** Suite 200, 44 - 12th Ave. S. Cranbrook BC V1C 2R7 Canada
Submitted By:	Jesse Campbell
Receiving Lab:	Canada-Vancouver
Received:	May 15, 2012
Report Date:	June 13, 2012
Page:	1 of 3

CERTIFICATE OF ANALYSIS VAN12002233.2

CLIENT JOB INFORMATION

Project:	VN2012-001
Shipment ID:	VN12-002
P.O. Number	
Number of Samples:	33

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
DISP-RJT	Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	30	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	33	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1DX1	33	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7TD1	8	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	1	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS

Version 2: 7TD Pb Zn Ag included.

Invoice To:	PJX Resources Inc. 5600 - 100 King Street West Toronto ON M5X 1C9 Canada

CC:	Chris Gallagher Linda Brennan John Keating

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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

Project: VN2012-001
Report Date: June 13, 2012

CERTIFICATE OF ANALYSIS VAN12002233.2

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
ABVNR001	Rock	1.52	<0.005	0.3	3.4	35.6	53	<0.1	12.4	5.9	435	1.69	1.7	0.5	15.3	109	<0.1	0.2	<0.1	16	1.30
ABVNR002	Rock	1.31	0.040	2.9	693.6	23.6	122	0.3	170.8	72.1	985	18.31	281.6	34.5	3.6	26	0.1	6.1	0.3	56	0.61
ABVNR003	Rock	1.23	0.022	1.8	163.7	38.8	105	0.1	66.8	23.2	3725	4.85	91.1	2.1	0.9	75	0.3	3.4	0.3	35	16.16
ABVNR004	Rock	1.53	0.006	0.2	47.6	91.1	2611	<0.1	57.4	28.2	1445	5.47	56.9	2.9	1.1	41	19.9	2.5	<0.1	128	1.51
ABVNR005	Rock	1.27	0.008	0.2	42.7	67.3	2282	<0.1	55.1	25.8	1811	5.95	76.3	2.2	1.0	27	19.3	2.2	<0.1	145	1.55
ABVNR006	Rock	1.28	0.014	0.3	145.6	311.3	3067	0.4	38.1	7.8	2813	9.75	42.4	5.9	1.2	25	60.6	1.2	0.1	289	2.64
ABVNR007	Rock	1.11	0.190	0.5	177.3	>10000	1771	13.5	10.6	2.5	457	4.28	260.7	328.4	12.3	56	18.2	15.3	6.3	39	1.72
ABVNR007B	Rock	1.60	<0.005	<0.1	0.9	9.3	15	<0.1	<0.1	0.9	217	0.44	<0.5	<0.5	0.1	42	0.2	<0.1	<0.1	2	19.02
ABVNR007D	Rock	1.10	0.125	0.3	195.1	4096	1760	5.5	12.7	4.1	514	5.64	204.8	68.0	3.3	63	21.3	16.6	1.8	62	3.25
ABVNR007S	Rock Pulp	0.04	0.903	11.9	92.2	8.7	80	0.7	36.4	163.3	1151	3.95	6252	872.8	1.5	131	0.2	8.1	35.4	35	6.54
ABVNR008	Rock	1.17	1.244	0.6	510.6	>10000	7833	41.5	50.7	126.3	1171	5.58	7360	1273	4.9	13	155.6	69.4	5.5	29	2.60
ABVNR009	Rock	1.61	0.017	0.3	97.7	561.0	683	0.7	8.5	21.6	739	2.59	47.1	82.9	11.8	9	8.5	2.6	0.1	13	0.21
ABVNR010	Rock	0.88	0.684	0.5	106.9	>10000	390	16.8	10.1	4.3	87	3.07	597.0	419.1	1.5	9	5.6	42.7	8.1	<2	0.30
AUVNR002	Rock	1.73	0.009	0.3	6.5	11.5	37	<0.1	9.9	3.8	201	2.48	7.8	3.3	16.8	4	<0.1	0.5	0.2	16	0.06
BFVNR002	Rock	2.26	0.006	<0.1	3.4	5.5	21	<0.1	7.8	3.3	103	1.07	3.4	4.1	14.5	3	<0.1	0.2	<0.1	5	0.08
CRVNR001	Rock	1.86	0.008	0.2	1.6	2.7	5	<0.1	1.7	0.5	201	0.53	0.7	1.2	0.3	12	<0.1	0.1	<0.1	<2	0.11
LJVNR001	Rock	8.05	3.354	0.3	1904	>10000	>10000	>100	108.0	39.0	593	21.48	1855	4302	0.7	6	951.3	>2000	27.5	32	0.75
LJVNR002	Rock	0.94	0.062	0.4	84.3	1971	1708	2.1	63.6	20.7	2780	8.77	155.6	61.4	1.2	21	13.9	14.1	0.3	213	4.24
LJVNR002B	Rock	1.77	0.011	<0.1	1.4	88.0	35	0.1	1.7	1.0	215	0.47	1.0	5.7	0.1	44	0.3	1.2	<0.1	2	19.74
LJVNR002S	Rock Pulp	0.01	4.025	5.1	3532	>10000	>10000	90.9	9.1	7.6	1653	3.65	23.6	4642	0.5	114	238.7	126.1	6.4	22	3.32
LJVNR003	Rock	1.38	0.276	0.4	206.8	>10000	2533	49.7	43.7	17.4	1527	7.62	31.4	217.2	0.8	19	32.3	50.4	61.0	161	2.64
LJVNR004	Rock	2.60	0.079	0.4	128.3	2034	109	2.7	5.5	2.8	175	5.23	1169	81.6	7.3	8	1.4	10.5	0.6	8	0.12
JSVNR002	Rock	1.63	0.010	0.2	8.0	24.8	53	<0.1	15.7	6.9	220	2.66	8.9	6.8	16.5	5	<0.1	0.4	0.3	19	0.07
MCVNR001	Rock	1.65	0.011	0.4	23.5	79.5	657	0.1	47.5	25.5	1291	5.15	185.6	<0.5	0.8	42	5.8	1.5	<0.1	135	1.43
MCVNR002	Rock	0.96	0.017	2.3	3.3	148.5	302	0.2	14.4	4.0	938	2.78	5.7	6.6	8.5	21	3.3	0.7	0.2	27	1.46
MCVNR002S	Rock Pulp	1.45	4.354	9.4	105.3	9.0	53	59.6	15.1	10.7	521	3.62	1083	3244	3.2	91	0.2	10.1	1.2	96	1.06
MCVNR003	Rock	0.85	0.020	0.9	18.0	943.0	2356	1.1	8.4	5.8	463	2.12	27.8	5.7	8.5	8	31.4	2.1	0.9	11	0.31
MCVNR004	Rock	1.34	0.011	0.3	50.7	820.8	2320	0.9	7.8	7.7	412	2.86	93.3	4.7	7.1	21	25.5	2.6	0.3	10	0.25
MCVNR005	Rock	2.55	0.168	0.4	348.5	>10000	6201	95.6	68.9	50.0	283	12.60	55.6	90.8	2.4	8	59.5	90.3	37.5	4	0.18
MCVNR005B	Rock	0.98	0.007	<0.1	1.8	390.6	28	0.3	1.0	1.4	223	0.44	1.2	0.8	<0.1	43	0.3	0.5	<0.1	<2	19.81

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Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7TD	7TD
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	0.01
ABVNR001	Rock	0.025	31	18	0.57	40	0.072	<20	1.56	0.041	0.36	0.1	<0.01	2.3	0.2	<0.05	3	<0.5	<0.2	N.A.	N.A.
ABVNR002	Rock	0.007	13	12	0.66	33	0.048	<20	1.41	0.012	0.15	<0.1	0.02	8.6	0.1	0.28	16	0.6	<0.2	N.A.	N.A.
ABVNR003	Rock	0.008	13	13	0.65	30	0.027	<20	0.82	0.003	0.08	0.1	0.01	4.6	0.1	<0.05	3	<0.5	<0.2	N.A.	N.A.
ABVNR004	Rock	0.035	4	117	2.28	86	0.201	<20	3.28	0.039	0.97	0.3	0.04	9.9	0.4	0.15	7	<0.5	<0.2	N.A.	N.A.
ABVNR005	Rock	0.034	5	132	2.59	125	0.248	<20	3.85	0.051	1.58	0.4	0.02	10.2	0.7	0.09	8	<0.5	<0.2	N.A.	N.A.
ABVNR006	Rock	0.036	5	205	3.42	389	0.400	<20	6.15	0.022	3.92	0.3	0.04	21.6	1.7	0.56	15	<0.5	<0.2	N.A.	N.A.
ABVNR007	Rock	0.032	10	39	0.44	88	0.088	<20	1.82	0.045	0.51	0.3	0.52	3.4	0.3	1.20	4	<0.5	0.4	1.27	0.18
ABVNR007B	Rock	0.016	<1	<1	12.82	15	<0.001	<20	0.02	<0.001	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	N.A.	N.A.
ABVNR007D	Rock	0.021	3	47	0.41	110	0.128	<20	1.51	0.007	0.75	0.3	0.31	4.2	0.4	1.91	5	<0.5	<0.2	N.A.	N.A.
ABVNR007S	Rock Pulp	0.123	12	20	0.53	50	0.055	50	1.51	0.121	0.10	7.7	0.03	3.1	<0.1	0.94	4	9.4	6.1	N.A.	N.A.
ABVNR008	Rock	0.024	10	28	0.41	60	0.040	<20	2.05	0.004	0.46	0.4	0.78	2.7	0.3	1.86	3	<0.5	<0.2	3.93	0.87
ABVNR009	Rock	0.029	12	13	0.34	65	0.112	<20	1.64	0.016	0.38	0.1	0.04	6.9	0.2	0.12	4	<0.5	<0.2	N.A.	N.A.
ABVNR010	Rock	0.004	1	6	0.02	34	0.016	<20	0.19	0.004	0.16	0.2	0.88	0.4	0.1	2.34	1	0.6	0.6	1.22	0.04
AUVNR002	Rock	0.034	17	14	0.46	114	0.107	<20	1.34	0.014	0.96	<0.1	<0.01	1.9	0.7	<0.05	4	<0.5	<0.2	N.A.	N.A.
BFVNR002	Rock	0.029	33	7	0.17	76	0.030	<20	0.69	0.015	0.42	<0.1	<0.01	1.2	0.2	<0.05	2	<0.5	<0.2	N.A.	N.A.
CRVNR001	Rock	0.005	3	15	0.02	19	0.005	<20	0.09	0.008	0.04	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	N.A.	N.A.
LJVNR001	Rock	0.007	<1	29	0.30	28	0.033	<20	0.64	0.005	0.19	0.2	0.81	1.6	0.5	>10	3	2.2	0.4	>10	8.26
LJVNR002	Rock	0.033	3	218	3.46	226	0.341	<20	5.18	0.012	2.46	0.5	0.04	10.9	1.1	0.74	11	<0.5	<0.2	N.A.	N.A.
LJVNR002B	Rock	0.015	<1	<1	13.18	18	<0.001	<20	0.01	<0.001	0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	N.A.	N.A.
LJVNR002S	Rock Pulp	0.052	3	28	0.77	71	0.062	<20	1.02	0.022	0.27	0.3	0.44	1.3	0.9	3.69	3	1.5	0.9	4.34	4.19
LJVNR003	Rock	0.023	2	187	2.04	191	0.261	<20	3.27	0.011	1.70	0.6	0.06	8.7	1.2	2.91	8	1.7	0.9	3.68	0.24
LJVNR004	Rock	0.019	7	11	0.14	46	0.087	<20	0.64	0.017	0.29	0.2	0.02	1.1	0.1	0.29	5	<0.5	<0.2	N.A.	N.A.
JSVNR002	Rock	0.040	36	17	0.49	140	0.111	<20	1.46	0.023	0.95	0.1	<0.01	2.8	0.7	<0.05	5	<0.5	<0.2	N.A.	N.A.
MCVNR001	Rock	0.036	3	126	2.22	88	0.227	<20	3.16	0.048	0.73	0.3	0.03	11.2	0.3	0.08	7	<0.5	<0.2	N.A.	N.A.
MCVNR002	Rock	0.046	8	27	1.08	57	0.126	<20	2.15	0.013	0.46	0.5	0.01	3.2	0.2	<0.05	5	<0.5	<0.2	N.A.	N.A.
MCVNR002S	Rock Pulp	0.060	8	22	0.84	201	0.135	<20	1.94	0.228	0.28	0.6	0.27	3.6	<0.1	0.13	5	2.0	0.4	N.A.	N.A.
MCVNR003	Rock	0.041	5	16	0.45	94	0.097	<20	1.43	0.014	0.82	0.3	0.01	1.8	0.4	0.23	4	<0.5	<0.2	N.A.	N.A.
MCVNR004	Rock	0.038	16	13	0.42	87	0.089	<20	1.33	0.025	0.75	0.3	0.02	1.6	0.4	0.64	4	<0.5	<0.2	N.A.	N.A.
MCVNR005	Rock	0.008	9	9	0.18	<1	0.037	<20	0.48	0.010	0.19	0.2	0.22	1.3	0.5	>10	3	2.7	0.6	9.85	0.63
MCVNR005B	Rock	0.016	<1	<1	13.23	19	<0.001	<20	0.02	0.001	0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	N.A.	N.A.

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Project: VN2012-001
Report Date: June 13, 2012

CERTIFICATE OF ANALYSIS VAN12002233.2

	Method	7TD	7TD.1
	Analyte	Ag	Pb
	Unit	gm/t	%
	MDL	2	0.02
ABVNR001	Rock	N.A.	
ABVNR002	Rock	N.A.	
ABVNR003	Rock	N.A.	
ABVNR004	Rock	N.A.	
ABVNR005	Rock	N.A.	
ABVNR006	Rock	N.A.	
ABVNR007	Rock	13	
ABVNR007B	Rock	N.A.	
ABVNR007D	Rock	N.A.	
ABVNR007S	Rock Pulp	N.A.	
ABVNR008	Rock	41	
ABVNR009	Rock	N.A.	
ABVNR010	Rock	18	
AUVNR002	Rock	N.A.	
BFVNR002	Rock	N.A.	
CRVNR001	Rock	N.A.	
LJVNR001	Rock	212	16.73
LJVNR002	Rock	N.A.	
LJVNR002B	Rock	N.A.	
LJVNR002S	Rock Pulp	93	
LJVNR003	Rock	48	
LJVNR004	Rock	N.A.	
JSVNR002	Rock	N.A.	
MCVNR001	Rock	N.A.	
MCVNR002	Rock	N.A.	
MCVNR002S	Rock Pulp	N.A.	
MCVNR003	Rock	N.A.	
MCVNR004	Rock	N.A.	
MCVNR005	Rock	92	
MCVNR005B	Rock	N.A.	

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CERTIFICATE OF ANALYSIS VAN12002233.2

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
MCVNR005D	Rock	0.04	0.064	0.3	262.7	9805	9037	10.3	50.3	41.9	300	6.01	47.3	32.0	5.1	6	80.2	15.4	2.7	7	0.20
MCVNR006	Rock	1.30	0.038	0.5	232.2	>10000	4661	15.0	48.7	26.1	989	5.03	27.5	11.0	8.0	31	53.1	12.1	6.2	13	4.24
MCVNR007	Rock	1.64	0.008	0.6	33.1	99.2	578	0.2	11.0	6.2	763	2.63	10.5	2.7	9.3	26	4.6	0.5	0.1	16	1.16

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CERTIFICATE OF ANALYSIS VAN12002233.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7TD	7TD
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	0.01
MCVNR005D	Rock	0.023	9	10	0.15	70	0.052	<20	1.02	0.014	0.53	0.3	0.03	1.2	0.2	6.15	3	0.6	<0.2	N.A.	N.A.
MCVNR006	Rock	0.029	16	16	0.79	27	0.068	<20	1.57	0.016	0.28	0.4	<0.01	2.4	0.2	4.21	5	<0.5	<0.2	1.21	0.45
MCVNR007	Rock	0.052	17	20	0.91	78	0.106	<20	2.15	0.021	0.82	0.2	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2	N.A.	N.A.

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CERTIFICATE OF ANALYSIS VAN12002233.2

	Method	7TD	7TD.1
	Analyte	Ag	Pb
	Unit	gm/t	%
	MDL	2	0.02
MCVNR005D	Rock	N.A.	
MCVNR006	Rock	14	
MCVNR007	Rock	N.A.	

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QUALITY CONTROL REPORT VAN12002233.2

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
ABVNR008	Rock	1.17	1.244	0.6	510.6	>10000	7833	41.5	50.7	126.3	1171	5.58	7360	1273	4.9	13	155.6	69.4	5.5	29	2.60
REP ABVNR008	QC			0.7	517.3	>10000	7995	41.1	50.7	127.9	1188	5.80	7471	1358	5.0	14	159.7	63.8	5.3	28	2.64
LJVNR001	Rock	8.05	3.354	0.3	1904	>10000	>10000	>100	108.0	39.0	593	21.48	1855	4302	0.7	6	951.3	>2000	27.5	32	0.75
REP LJVNR001	QC																				
LJVNR003	Rock	1.38	0.276	0.4	206.8	>10000	2533	49.7	43.7	17.4	1527	7.62	31.4	217.2	0.8	19	32.3	50.4	61.0	161	2.64
REP LJVNR003	QC		0.311																		
Core Reject Duplicates																					
AUVNR002	Rock	1.73	0.009	0.3	6.5	11.5	37	<0.1	9.9	3.8	201	2.48	7.8	3.3	16.8	4	<0.1	0.5	0.2	16	0.06
DUP AUVNR002	QC		0.007	0.4	6.7	18.8	38	<0.1	9.7	3.9	205	2.47	9.3	5.7	16.6	5	<0.1	0.7	0.2	16	0.06
Reference Materials																					
STD CCU-1C	Standard																				
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD CZN-3	Standard																				
STD DS9	Standard			13.3	116.5	136.8	330	1.9	40.1	7.8	591	2.44	27.4	108.7	7.3	82	2.5	5.8	6.6	42	0.77
STD DS9	Standard			14.5	115.8	136.3	341	2.0	43.8	8.2	646	2.59	28.3	120.7	6.9	80	2.4	4.3	6.5	46	0.81
STD OREAS45CA	Standard			1.1	546.7	24.4	68	0.3	277.9	100.4	993	17.43	4.9	59.6	8.7	19	<0.1	0.2	0.2	229	0.46
STD OREAS45CA	Standard			0.8	532.2	21.3	62	0.3	263.3	93.2	978	16.44	3.8	46.7	7.4	16	<0.1	<0.1	0.2	235	0.46
STD OXG99	Standard		0.931																		
STD OXK94	Standard		3.523																		
STD OXK94	Standard		3.386																		
STD PTC-1A	Standard																				
STD OXG99 Expected			0.932																		
STD OXK94 Expected			3.562																		
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					

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Project: VN2012-001
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QUALITY CONTROL REPORT VAN12002233.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7TD	7TD
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.02	0.01
Pulp Duplicates																					
ABVNR008	Rock	0.024	10	28	0.41	60	0.040	<20	2.05	0.004	0.46	0.4	0.78	2.7	0.3	1.86	3	<0.5	<0.2	3.93	0.87
REP ABVNR008	QC	0.023	10	27	0.41	58	0.038	<20	2.07	0.004	0.46	0.4	0.85	2.7	0.3	1.87	3	<0.5	<0.2		
LJVNR001	Rock	0.007	<1	29	0.30	28	0.033	<20	0.64	0.005	0.19	0.2	0.81	1.6	0.5	>10	3	2.2	0.4	>10	8.26
REP LJVNR001	QC																			>10	8.32
LJVNR003	Rock	0.023	2	187	2.04	191	0.261	<20	3.27	0.011	1.70	0.6	0.06	8.7	1.2	2.91	8	1.7	0.9	3.68	0.24
REP LJVNR003	QC																				
Core Reject Duplicates																					
AUVNR002	Rock	0.034	17	14	0.46	114	0.107	<20	1.34	0.014	0.96	<0.1	<0.01	1.9	0.7	<0.05	4	<0.5	<0.2	N.A.	N.A.
DUP AUVNR002	QC	0.035	18	14	0.46	115	0.109	<20	1.32	0.013	0.95	<0.1	<0.01	1.8	0.8	<0.05	4	<0.5	<0.2	N.A.	N.A.
Reference Materials																					
STD CCU-1C	Standard																				
STD CDN-ME-9	Standard																			<0.02	0.01
STD CDN-ME-14	Standard																			0.49	3.39
STD CZN-3	Standard																				
STD DS9	Standard	0.090	14	119	0.65	353	0.119	<20	1.01	0.087	0.42	2.9	0.18	2.6	5.8	0.16	5	5.3	5.9		
STD DS9	Standard	0.089	15	133	0.68	370	0.121	<20	1.07	0.092	0.44	2.9	0.24	2.7	6.0	0.18	5	5.0	5.3		
STD OREAS45CA	Standard	0.043	20	677	0.18	194	0.146	<20	4.07	0.010	0.08	<0.1	0.03	50.9	<0.1	<0.05	21	0.7	<0.2		
STD OREAS45CA	Standard	0.041	18	787	0.15	187	0.139	<20	3.93	0.013	0.08	<0.1	0.03	48.3	0.1	<0.05	20	0.7	<0.2		
STD OXG99	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD PTC-1A	Standard																				
STD OXG99 Expected																					
STD OXK94 Expected																					
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02		
STD CDN-ME-9 Expected																					0.0125
STD CDN-ME-14 Expected																				0.495	3.1

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QUALITY CONTROL REPORT VAN12002233.2

	Method	7TD	7TD.1
	Analyte	Ag	Pb
	Unit	gm/t	%
	MDL	2	0.02
Pulp Duplicates			
ABVNR008	Rock	41	
REP ABVNR008	QC		
LJVNR001	Rock	212	16.73
REP LJVNR001	QC	213	17.11
LJVNR003	Rock	48	
REP LJVNR003	QC		
Core Reject Duplicates			
AUVNR002	Rock	N.A.	
DUP AUVNR002	QC	N.A.	
Reference Materials			
STD CCU-1C	Standard		0.34
STD CDN-ME-9	Standard	4	
STD CDN-ME-14	Standard	48	
STD CZN-3	Standard		0.11
STD DS9	Standard		
STD DS9	Standard		
STD OREAS45CA	Standard		
STD OREAS45CA	Standard		
STD OXG99	Standard		
STD OXK94	Standard		
STD OXK94	Standard		
STD PTC-1A	Standard		0.05
STD OXG99 Expected			
STD OXK94 Expected			
STD OREAS45CA Expected			
STD DS9 Expected			
STD CDN-ME-9 Expected			
STD CDN-ME-14 Expected		45	

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QUALITY CONTROL REPORT VAN12002233.2

		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	**Au**	**Mo**	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**
		kg	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**
		0.01	**0.005**	**0.1**	**0.1**	**0.1**	**1**	**0.1**	**0.1**	**0.1**	**1**	**0.01**	**0.5**	**0.5**	**0.1**	**1**	**0.1**	**0.1**	**0.1**	**2**	**0.01**
STD CZN-3 Expected																					
STD CCU-1C Expected																					
STD PTC-1A Expected																					
BLK	Blank		0.008																		
BLK	Blank		<0.005																		
BLK	Blank		0.009																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	0.7	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.007	0.2	3.3	3.2	48	<0.1	2.9	4.1	614	2.11	<0.5	2.4	5.7	68	<0.1	<0.1	<0.1	37	0.59
G1	Prep Blank	<0.01	0.007	0.1	2.2	3.2	46	<0.1	2.4	3.7	612	2.15	<0.5	2.2	5.3	67	<0.1	<0.1	<0.1	38	0.54

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: VN2012-001
Report Date: June 13, 2012

QUALITY CONTROL REPORT VAN12002233.2

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7TD	7TD
		P	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**	**Pb**	**Zn**
		%	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppm**	**%**	**%**
		0.001	**1**	**1**	**0.01**	**1**	**0.001**	**20**	**0.01**	**0.001**	**0.01**	**0.1**	**0.01**	**0.1**	**0.1**	**0.05**	**1**	**0.5**	**0.2**	**0.02**	**0.01**
STD CZN-3 Expected																					
STD CCU-1C Expected																					
STD PTC-1A Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																			<0.02	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	0.078	14	8	0.53	176	0.130	<20	0.98	0.095	0.51	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2	N.A.	N.A.
G1	Prep Blank	0.079	13	7	0.51	164	0.123	<20	0.97	0.091	0.49	0.3	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2	N.A.	N.A.

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Project: VN2012-001
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QUALITY CONTROL REPORT VAN12002233.2

		7TD	7TD.1
		Ag	Pb
		gm/t	%
		2	0.02
STD CZN-3 Expected			0.113
STD CCU-1C Expected			0.34
STD PTC-1A Expected			0.05
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank	<2	
BLK	Blank		0.03
Prep Wash			
G1	Prep Blank	N.A.	
G1	Prep Blank	N.A.	

5.2 - Soil Samples

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By:	Jesse Campbell
Receiving Lab:	Canada-Vancouver
Received:	May 15, 2012
Report Date:	May 23, 2012
Page:	1 of 9

CERTIFICATE OF ANALYSIS VAN12002231.1

CLIENT JOB INFORMATION

Project:	VN2012-001
Shipment ID:	VN12-001
P.O. Number	
Number of Samples:	224

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	224	Dry at 60C			VAN
SS80	224	Dry at 60C sieve 100g to -80 mesh			VAN
3B	224	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	224	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: PJX Resources Inc.
5600 - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Chris Gallagher
Linda Brennan
John Keating

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL001 00+00E	Soil	<2	0.8	21.7	10.7	100	<0.1	28.5	13.2	400	1.79	8.4	<0.5	5.5	13	0.1	0.2	0.2	20	0.11	0.101
VNL001 00+25E	Soil	<2	0.8	13.7	34.9	426	<0.1	21.7	9.2	533	1.82	5.4	<0.5	4.4	17	0.3	0.3	0.2	19	0.18	0.046
VNL001 00+50E	Soil	<2	0.7	18.7	12.3	119	<0.1	23.4	9.7	588	1.83	6.0	1.2	5.5	17	<0.1	0.2	0.2	20	0.18	0.043
VNL001 00+75E	Soil	<2	0.5	18.8	15.8	138	<0.1	19.7	9.1	325	1.82	8.1	<0.5	5.1	13	<0.1	0.2	0.2	20	0.16	0.076
VNL001 01+00E	Soil	<2	0.9	12.8	15.2	191	<0.1	20.6	9.7	855	1.93	3.5	<0.5	4.3	15	0.3	0.2	0.2	18	0.20	0.037
VNL001 01+25E	Soil	<2	0.4	16.4	13.2	128	<0.1	20.1	9.6	519	2.10	4.6	<0.5	5.3	13	0.2	0.2	0.2	20	0.20	0.022
VNL001 01+50E	Soil	<2	0.4	16.8	9.8	215	0.1	17.9	8.0	1133	1.60	6.0	<0.5	3.2	23	0.3	0.2	0.2	14	0.34	0.087
VNL001 01+75E	Soil	<2	0.6	23.1	33.6	220	<0.1	24.7	11.0	872	2.43	6.5	<0.5	4.8	22	0.4	0.2	0.3	31	0.25	0.077
VNL001 02+00E	Soil	<2	0.8	33.3	32.7	207	0.1	36.0	12.8	471	1.99	3.7	<0.5	5.3	19	0.4	0.2	0.3	21	0.19	0.056
VNL001 02+25E	Soil	<2	0.5	19.6	16.4	106	<0.1	17.3	8.4	598	1.90	7.3	<0.5	4.6	18	0.1	0.2	0.2	25	0.15	0.120
VNL001 02+50E	Soil	<2	0.5	26.5	19.1	132	<0.1	21.4	10.3	686	2.21	12.2	<0.5	5.3	19	0.2	0.2	0.2	30	0.17	0.166
VNL001 02+75E	Soil	<2	0.4	22.1	17.6	114	<0.1	16.2	9.0	539	2.04	8.4	<0.5	4.9	57	0.2	0.2	0.2	26	0.46	0.202
VNL001 03+00E	Soil	<2	0.2	41.4	11.7	97	<0.1	13.4	7.8	482	1.52	5.6	<0.5	2.9	28	0.3	0.1	0.2	15	0.49	0.294
VNL001 03+25E	Soil	<2	0.2	11.7	7.3	73	<0.1	15.1	7.9	306	2.02	2.6	<0.5	3.8	10	<0.1	0.2	0.2	21	0.10	0.049
VNL001 03+50E	Soil	<2	0.2	11.3	7.4	65	<0.1	16.5	7.8	185	1.95	2.4	<0.5	3.7	21	<0.1	0.1	0.1	18	0.15	0.135
VNL001 03+75E	Soil	<2	0.3	22.5	15.3	90	<0.1	17.9	8.8	294	2.06	5.3	<0.5	4.9	22	<0.1	0.1	0.2	25	0.17	0.060
VNL001 04+00E	Soil	<2	0.2	21.7	7.0	47	<0.1	18.6	10.3	225	2.37	3.1	<0.5	5.1	12	<0.1	0.2	0.2	26	0.17	0.038
VNL001 04+25E	Soil	<2	0.2	20.3	13.4	95	<0.1	19.9	7.3	351	1.50	10.5	0.8	4.0	29	0.2	<0.1	0.1	18	0.25	0.134
VNL001 04+50E	Soil	<2	0.3	25.5	8.7	76	0.1	24.1	7.1	500	1.15	12.8	<0.5	2.2	29	<0.1	<0.1	0.1	18	0.22	0.216
VNL001 05+00E	Soil	<2	0.6	101.3	7.4	38	<0.1	27.2	9.2	156	2.00	14.1	<0.5	2.6	8	<0.1	0.3	0.1	35	0.17	0.021
VNL001 05+25E	Soil	7	0.4	54.5	15.3	128	0.2	34.5	12.7	674	1.79	22.2	<0.5	3.2	45	0.2	0.2	0.2	22	0.49	0.169
VNL001 05+50E	Soil	<2	0.2	23.9	8.4	80	0.2	29.6	8.1	239	1.26	9.3	<0.5	2.5	28	0.2	<0.1	<0.1	17	0.24	0.063
VNL001 05+75E	Soil	<2	0.3	68.6	21.6	92	0.1	35.7	16.6	813	2.23	11.4	<0.5	3.9	22	0.2	0.1	0.2	32	0.21	0.034
VNL001 06+00E	Soil	<2	0.3	61.8	12.4	113	0.1	29.7	13.1	401	2.11	9.0	1.5	3.7	16	0.2	0.2	0.1	29	0.17	0.085
VNL001 06+25E	Soil	<2	0.2	58.4	11.3	73	0.1	29.6	11.6	294	1.80	5.0	<0.5	2.3	14	<0.1	<0.1	<0.1	29	0.22	0.023
VNL001 06+50E	Soil	<2	0.4	17.6	6.9	55	<0.1	14.6	5.3	424	1.18	3.1	<0.5	2.1	25	0.1	<0.1	<0.1	19	0.23	0.088
VNL001 06+75E	Soil	<2	0.3	12.5	6.7	56	<0.1	15.9	7.6	341	1.72	2.9	3.3	3.2	10	<0.1	0.2	0.1	22	0.14	0.019
VNL001 07+00E	Soil	<2	0.2	27.5	9.3	48	<0.1	18.3	9.7	308	2.16	4.1	<0.5	4.6	8	<0.1	0.3	0.1	28	0.14	0.030
VNL002 00+00E	Soil	<2	0.3	8.7	9.7	109	<0.1	11.5	4.9	475	1.16	11.1	<0.5	2.3	13	<0.1	0.1	0.1	15	0.13	0.036
VNL002 00+25E	Soil	<2	0.6	14.6	14.2	204	<0.1	25.8	8.2	1621	1.86	11.7	<0.5	2.9	23	0.1	0.1	0.2	19	0.17	0.228

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL001 00+00E	Soil	14	10	0.31	132	0.095	<20	2.24	0.015	0.18	0.1	0.02	2.3	0.3	<0.05	6	<0.5	<0.2
VNL001 00+25E	Soil	12	13	0.43	184	0.080	<20	1.86	0.014	0.16	<0.1	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
VNL001 00+50E	Soil	17	13	0.41	204	0.096	<20	2.23	0.017	0.20	<0.1	0.02	3.1	0.3	<0.05	6	<0.5	<0.2
VNL001 00+75E	Soil	11	13	0.42	214	0.083	<20	2.10	0.013	0.19	0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
VNL001 01+00E	Soil	10	13	0.40	233	0.082	<20	1.87	0.015	0.21	<0.1	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
VNL001 01+25E	Soil	19	15	0.48	166	0.093	<20	1.87	0.012	0.36	<0.1	0.02	3.1	0.3	<0.05	5	<0.5	<0.2
VNL001 01+50E	Soil	13	7	0.22	240	0.075	<20	2.06	0.025	0.13	<0.1	0.03	2.5	0.1	<0.05	4	<0.5	<0.2
VNL001 01+75E	Soil	17	26	1.03	241	0.126	<20	2.60	0.023	0.40	<0.1	0.02	4.3	0.4	<0.05	7	<0.5	<0.2
VNL001 02+00E	Soil	27	14	0.39	141	0.113	<20	2.46	0.024	0.23	<0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
VNL001 02+25E	Soil	16	13	0.44	241	0.084	<20	2.46	0.013	0.15	<0.1	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
VNL001 02+50E	Soil	19	14	0.49	268	0.110	<20	3.19	0.018	0.19	0.2	0.02	4.0	0.3	<0.05	8	<0.5	<0.2
VNL001 02+75E	Soil	15	13	0.49	248	0.083	<20	2.47	0.013	0.18	0.1	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
VNL001 03+00E	Soil	14	9	0.33	165	0.064	<20	1.92	0.029	0.14	<0.1	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
VNL001 03+25E	Soil	18	14	0.68	158	0.051	<20	1.75	0.007	0.16	<0.1	<0.01	2.6	0.1	<0.05	5	<0.5	<0.2
VNL001 03+50E	Soil	14	12	0.64	221	0.047	<20	2.05	0.008	0.17	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
VNL001 03+75E	Soil	16	13	0.49	320	0.095	<20	2.84	0.018	0.16	0.1	0.01	3.8	0.2	<0.05	7	<0.5	<0.2
VNL001 04+00E	Soil	21	16	0.84	97	0.037	<20	1.76	0.013	0.19	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
VNL001 04+25E	Soil	15	8	0.24	197	0.096	<20	2.65	0.029	0.13	0.1	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
VNL001 04+50E	Soil	12	6	0.17	145	0.092	<20	2.67	0.028	0.10	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
VNL001 05+00E	Soil	10	20	0.44	58	0.049	<20	1.35	0.005	0.07	<0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
VNL001 05+25E	Soil	10	13	0.31	268	0.093	<20	2.61	0.022	0.25	<0.1	0.03	2.6	0.2	<0.05	7	<0.5	<0.2
VNL001 05+50E	Soil	9	8	0.19	265	0.090	<20	2.68	0.030	0.12	<0.1	0.03	2.7	0.1	<0.05	7	<0.5	<0.2
VNL001 05+75E	Soil	12	16	0.39	324	0.103	<20	2.74	0.012	0.16	<0.1	0.03	3.2	0.2	<0.05	7	<0.5	<0.2
VNL001 06+00E	Soil	12	14	0.40	372	0.083	<20	2.60	0.014	0.13	<0.1	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
VNL001 06+25E	Soil	7	16	0.38	180	0.066	<20	1.77	0.010	0.10	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
VNL001 06+50E	Soil	10	7	0.20	188	0.087	<20	2.53	0.034	0.15	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
VNL001 06+75E	Soil	13	14	0.46	167	0.060	<20	1.45	0.007	0.15	<0.1	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
VNL001 07+00E	Soil	17	18	0.71	76	0.041	<20	1.33	0.004	0.19	<0.1	0.01	3.0	0.1	<0.05	4	<0.5	<0.2
VNL002 00+00E	Soil	8	9	0.31	159	0.049	<20	1.17	0.010	0.15	<0.1	<0.01	1.7	0.1	<0.05	3	<0.5	<0.2
VNL002 00+25E	Soil	17	10	0.29	308	0.081	<20	2.46	0.015	0.11	<0.1	0.04	2.6	0.2	<0.05	6	<0.5	<0.2

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL002 00+50E	Soil	<2	0.6	19.2	15.0	99	<0.1	19.6	7.3	815	1.85	7.4	<0.5	4.3	23	0.2	0.2	0.2	23	0.18	0.149
VNL002 00+75E	Soil	<2	0.5	20.2	16.1	156	<0.1	22.8	7.9	671	1.78	6.1	1.6	3.6	25	<0.1	0.1	0.2	21	0.27	0.089
VNL002 01+00E	Soil	12	0.4	13.4	21.9	141	<0.1	17.5	6.7	748	1.67	6.9	<0.5	3.2	25	0.1	0.1	0.2	21	0.20	0.203
VNL002 01+25E	Soil	<2	0.6	18.8	14.4	144	<0.1	17.1	7.6	1038	1.81	5.1	<0.5	3.3	29	0.2	0.1	0.2	23	0.20	0.143
VNL002 01+50E	Soil	<2	0.5	15.9	16.3	138	<0.1	17.9	8.1	826	1.85	5.9	<0.5	3.2	17	0.1	<0.1	0.3	23	0.18	0.180
VNL002 01+75E	Soil	<2	0.3	44.2	13.9	47	<0.1	16.0	7.3	356	1.66	7.0	0.7	2.3	33	0.2	0.2	0.2	14	0.77	0.048
VNL002 02+00E	Soil	<2	0.4	49.4	10.1	32	0.1	16.0	6.1	231	1.40	5.1	1.8	1.9	26	0.4	0.2	0.2	14	0.53	0.035
VNL002 02+25E	Soil	<2	0.7	135.0	17.7	30	0.2	30.9	25.0	892	2.08	25.7	1.4	2.0	29	0.2	0.3	0.2	24	0.77	0.049
VNL002 02+50E	Soil	<2	0.5	63.2	15.5	129	0.1	37.7	19.9	858	1.94	33.6	1.2	3.0	20	0.2	0.2	0.2	25	0.17	0.214
VNL002 02+75E	Soil	<2	0.2	18.6	15.9	74	<0.1	18.6	8.2	215	1.95	6.4	<0.5	5.1	17	<0.1	0.1	0.2	24	0.15	0.017
VNL002 03+00E	Soil	<2	0.2	15.9	19.5	76	<0.1	15.1	6.4	251	1.65	7.1	<0.5	4.7	12	0.1	0.1	0.2	17	0.11	0.037
VNL002 03+25E	Soil	<2	0.4	12.9	13.2	108	0.1	17.6	6.2	629	1.38	9.0	<0.5	2.9	35	0.2	<0.1	0.2	16	0.24	0.132
VNL002 03+50E	Soil	<2	0.6	10.5	12.9	95	<0.1	17.4	5.8	568	1.52	7.3	<0.5	3.2	19	0.1	<0.1	0.2	18	0.21	0.086
VNL002 03+75E	Soil	2	0.2	6.8	11.5	50	<0.1	9.9	4.3	237	1.15	3.4	<0.5	2.9	10	<0.1	0.2	0.1	13	0.13	0.027
VNL002 04+00E	Soil	<2	0.2	9.4	12.3	89	<0.1	15.2	6.0	307	1.51	4.0	<0.5	3.8	14	<0.1	0.1	0.2	17	0.13	0.035
VNL002 04+25E	Soil	<2	0.3	12.9	13.3	102	<0.1	19.5	6.2	344	1.65	10.6	<0.5	4.0	24	<0.1	0.1	0.2	19	0.20	0.179
VNL002 04+50E	Soil	<2	0.3	10.4	12.0	103	0.1	17.1	5.9	543	1.52	5.6	<0.5	3.7	20	<0.1	0.1	0.2	16	0.16	0.165
VNL002 04+75E	Soil	<2	0.2	9.3	14.3	138	0.1	19.2	6.0	318	1.53	8.0	<0.5	2.5	18	0.1	0.1	0.2	16	0.13	0.051
VNL002 05+00E	Soil	<2	0.1	5.3	9.4	94	<0.1	8.6	3.4	514	0.89	3.0	<0.5	1.5	28	<0.1	<0.1	0.2	11	0.16	0.104
VNL002 05+25E	Soil	<2	0.3	12.2	15.1	111	<0.1	23.4	7.5	292	1.63	7.1	<0.5	4.2	19	<0.1	0.2	0.2	19	0.16	0.045
VNL002 05+50E	Soil	<2	0.3	10.7	10.8	137	<0.1	20.2	5.1	902	1.19	5.1	<0.5	2.1	37	0.1	<0.1	0.1	12	0.26	0.139
VNL002 05+75E	Soil	<2	0.4	15.1	15.1	145	<0.1	26.9	8.4	482	1.76	5.4	<0.5	3.6	25	0.2	0.1	0.2	18	0.16	0.115
VNL002 06+00E	Soil	<2	0.4	12.6	17.5	101	<0.1	21.0	8.9	329	1.86	5.8	10.1	5.0	27	0.1	0.1	0.2	20	0.16	0.129
VNL002 06+25E	Soil	<2	0.3	11.0	20.6	158	<0.1	15.9	7.1	641	1.73	5.1	<0.5	3.2	27	0.1	0.1	0.2	18	0.26	0.107
VNL002 06+50E	Soil	<2	0.3	8.8	16.8	143	<0.1	16.0	6.3	441	1.40	3.4	<0.5	3.0	15	<0.1	<0.1	0.2	15	0.11	0.048
VNL002 06+75E	Soil	<2	0.6	10.5	10.9	68	0.1	17.1	6.3	667	1.33	5.6	<0.5	2.5	23	<0.1	0.1	0.1	16	0.19	0.051
VNL002 07+00E	Soil	<2	0.9	19.3	10.7	79	<0.1	21.7	8.6	491	1.94	4.5	<0.5	3.8	27	0.1	0.1	0.2	22	0.19	0.097
VNL002 07+25E	Soil	<2	0.4	14.3	11.7	105	0.1	19.0	7.8	1318	1.55	4.2	<0.5	1.9	30	0.1	0.1	0.2	17	0.22	0.115
VNL002 07+50E	Soil	<2	0.3	31.5	11.1	76	<0.1	17.7	11.1	362	2.05	6.4	0.8	3.4	22	0.1	0.1	0.2	30	0.21	0.128
VNL002 07+75E	Soil	<2	0.4	10.0	9.9	60	<0.1	24.5	10.2	383	2.07	5.4	0.6	3.0	28	<0.1	0.1	0.2	25	0.34	0.083

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL002 00+50E	Soil	18	10	0.33	247	0.095	<20	2.79	0.017	0.12	<0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
VNL002 00+75E	Soil	12	12	0.43	288	0.082	<20	2.25	0.015	0.23	<0.1	0.04	2.5	0.2	<0.05	6	<0.5	<0.2
VNL002 01+00E	Soil	9	11	0.34	283	0.086	<20	2.52	0.017	0.12	<0.1	0.04	2.6	0.2	<0.05	6	<0.5	<0.2
VNL002 01+25E	Soil	13	11	0.35	280	0.089	<20	2.55	0.018	0.12	0.1	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
VNL002 01+50E	Soil	11	11	0.38	223	0.088	<20	2.65	0.016	0.12	<0.1	0.04	2.6	0.2	<0.05	7	<0.5	<0.2
VNL002 01+75E	Soil	18	13	0.37	121	0.066	<20	2.00	0.034	0.13	<0.1	0.03	2.9	0.1	<0.05	4	0.7	<0.2
VNL002 02+00E	Soil	19	12	0.31	120	0.057	<20	1.80	0.040	0.09	<0.1	<0.01	2.7	0.1	<0.05	3	<0.5	<0.2
VNL002 02+25E	Soil	72	12	0.28	120	0.062	<20	2.60	0.020	0.11	0.1	0.04	3.9	0.1	<0.05	6	<0.5	<0.2
VNL002 02+50E	Soil	10	11	0.27	242	0.087	<20	2.69	0.015	0.11	<0.1	0.05	3.1	0.1	<0.05	7	<0.5	<0.2
VNL002 02+75E	Soil	15	13	0.39	149	0.081	<20	1.97	0.009	0.13	0.1	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
VNL002 03+00E	Soil	15	12	0.36	156	0.065	<20	1.67	0.008	0.23	<0.1	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
VNL002 03+25E	Soil	16	8	0.24	252	0.071	<20	2.14	0.023	0.14	<0.1	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
VNL002 03+50E	Soil	14	9	0.26	222	0.074	<20	2.29	0.019	0.15	<0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
VNL002 03+75E	Soil	10	9	0.31	94	0.048	<20	1.06	0.007	0.25	<0.1	<0.01	1.5	0.1	<0.05	3	<0.5	<0.2
VNL002 04+00E	Soil	11	10	0.32	196	0.064	<20	1.91	0.013	0.19	<0.1	0.01	2.2	0.1	<0.05	5	<0.5	<0.2
VNL002 04+25E	Soil	10	11	0.32	181	0.076	<20	2.32	0.017	0.14	0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
VNL002 04+50E	Soil	10	9	0.29	279	0.064	<20	1.94	0.013	0.17	<0.1	<0.01	2.1	0.2	<0.05	5	<0.5	<0.2
VNL002 04+75E	Soil	10	10	0.28	262	0.063	<20	1.87	0.013	0.13	<0.1	<0.01	1.8	0.1	<0.05	5	<0.5	<0.2
VNL002 05+00E	Soil	6	6	0.19	237	0.039	<20	0.96	0.010	0.14	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
VNL002 05+25E	Soil	12	10	0.31	199	0.068	<20	1.85	0.014	0.15	<0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
VNL002 05+50E	Soil	12	6	0.20	342	0.064	<20	1.82	0.019	0.14	<0.1	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2
VNL002 05+75E	Soil	17	10	0.33	198	0.068	<20	2.11	0.015	0.15	<0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
VNL002 06+00E	Soil	12	10	0.34	233	0.071	<20	2.33	0.011	0.14	0.1	<0.01	2.4	0.1	<0.05	6	<0.5	<0.2
VNL002 06+25E	Soil	10	10	0.31	274	0.072	<20	2.18	0.011	0.15	<0.1	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
VNL002 06+50E	Soil	9	9	0.30	172	0.053	<20	1.50	0.010	0.17	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
VNL002 06+75E	Soil	8	7	0.23	247	0.071	<20	2.23	0.019	0.14	<0.1	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
VNL002 07+00E	Soil	13	12	0.46	235	0.077	<20	2.22	0.015	0.21	<0.1	0.01	2.8	0.1	<0.05	6	<0.5	<0.2
VNL002 07+25E	Soil	12	10	0.31	385	0.052	<20	1.68	0.013	0.13	<0.1	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
VNL002 07+50E	Soil	9	16	0.48	152	0.059	<20	1.91	0.012	0.13	<0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
VNL002 07+75E	Soil	8	16	0.53	167	0.064	<20	1.84	0.014	0.18	<0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL002 08+00E	Soil	<2	0.3	20.3	11.5	52	<0.1	12.5	10.9	262	2.41	6.8	1.2	4.9	13	<0.1	0.2	0.2	37	0.15	0.040
VNL002 08+25E	Soil	<2	0.2	9.8	9.2	84	<0.1	11.2	10.1	612	2.30	4.1	<0.5	2.2	20	<0.1	<0.1	0.2	30	0.19	0.063
VNL002 08+50E	Soil	<2	0.4	16.3	11.2	64	<0.1	10.8	11.3	295	2.59	5.0	<0.5	3.0	16	<0.1	0.1	0.2	25	0.21	0.050
VNL002 08+75E	Soil	<2	0.3	5.8	10.8	61	<0.1	6.9	4.4	386	1.01	2.8	<0.5	1.4	12	<0.1	<0.1	0.1	12	0.15	0.071
VNL002 09+00E	Soil	<2	0.2	8.1	11.9	119	<0.1	11.2	4.6	591	1.26	3.5	0.7	2.8	16	<0.1	0.1	0.2	13	0.13	0.113
VNL003 00+00E	Soil	<2	0.4	22.4	16.2	114	0.1	19.1	7.9	717	1.95	6.5	<0.5	4.4	16	0.1	0.2	0.2	24	0.13	0.104
VNL003 00+25E	Soil	<2	0.5	19.7	15.9	137	0.1	18.5	8.1	557	1.90	7.1	0.9	5.1	17	0.1	0.2	0.2	23	0.16	0.134
VNL003 00+50E	Soil	<2	0.7	12.8	14.4	147	<0.1	14.0	6.1	832	1.53	5.4	<0.5	3.0	22	0.1	0.1	0.2	19	0.24	0.171
VNL003 00+75E	Soil	<2	0.5	13.3	16.9	149	<0.1	20.3	8.9	804	1.85	5.7	<0.5	3.5	19	<0.1	0.2	0.2	22	0.23	0.055
VNL003 01+00E	Soil	<2	0.5	26.1	19.7	143	0.1	24.4	10.8	527	2.21	10.4	0.5	5.0	21	<0.1	0.2	0.2	27	0.24	0.083
VNL003 01+25E	Soil	7	0.3	29.5	28.5	828	0.1	66.3	8.3	511	1.75	7.5	0.8	4.0	28	0.8	0.2	0.2	15	0.40	0.029
VNL003 01+50E	Soil	2	0.5	13.0	22.7	193	<0.1	19.1	9.6	878	1.64	9.5	0.9	3.5	18	0.2	0.2	0.2	16	0.19	0.060
VNL003 01+75E	Soil	<2	0.6	20.0	73.3	155	<0.1	23.3	9.2	623	1.99	26.2	<0.5	5.0	24	0.3	0.3	0.3	18	0.19	0.052
VNL003 02+00E	Soil	3	0.6	24.1	101.0	211	0.2	25.6	9.3	439	1.82	14.5	1.5	4.9	18	0.3	0.1	0.3	17	0.14	0.106
VNL003 02+25E	Soil	<2	0.5	15.4	77.2	273	0.2	23.9	10.2	417	1.81	20.1	0.6	4.0	13	0.5	0.2	0.3	18	0.12	0.030
VNL003 02+50E	Soil	<2	0.4	10.8	16.4	113	0.1	15.0	6.1	411	1.42	7.5	<0.5	3.0	15	0.2	0.1	0.2	15	0.12	0.057
VNL003 02+75E	Soil	<2	0.4	8.2	11.6	166	0.1	12.5	5.3	804	1.10	5.2	0.7	2.0	20	0.2	<0.1	0.2	12	0.18	0.174
VNL003 03+00E	Soil	<2	0.3	9.3	18.2	136	<0.1	14.3	6.3	570	1.49	3.9	0.7	3.4	19	<0.1	0.2	0.2	15	0.18	0.053
VNL003 03+25E	Soil	<2	0.4	13.1	16.4	149	<0.1	21.9	7.8	283	1.63	7.5	0.5	3.5	16	0.1	0.1	0.2	17	0.13	0.108
VNL003 03+50E	Soil	4	0.4	9.0	12.4	113	<0.1	19.3	6.5	358	1.43	7.9	0.7	2.6	19	<0.1	0.1	0.2	16	0.22	0.071
VNL003 03+75E	Soil	<2	0.3	9.2	14.7	114	<0.1	21.4	5.7	223	1.43	6.7	1.3	3.5	22	<0.1	0.1	0.2	14	0.15	0.145
VNL003 04+00E	Soil	<2	0.3	13.5	13.8	121	<0.1	15.7	6.1	438	1.34	5.6	<0.5	3.3	27	0.1	<0.1	0.2	12	0.20	0.072
VNL003 04+25E	Soil	<2	0.3	9.2	13.3	87	<0.1	13.1	5.5	385	1.56	3.3	<0.5	4.0	17	0.1	0.1	0.1	15	0.15	0.023
VNL003 04+50E	Soil	<2	0.3	8.8	13.8	137	0.1	17.7	5.5	417	1.33	4.6	0.6	2.8	23	<0.1	0.1	0.1	14	0.20	0.113
VNL003 04+75E	Soil	<2	0.3	10.4	15.2	113	<0.1	16.9	6.7	376	1.56	4.4	0.8	4.3	20	0.2	0.2	0.2	16	0.18	0.034
VNL003 05+00E	Soil	<2	0.3	9.1	13.8	99	<0.1	15.0	6.0	301	1.50	4.7	1.2	4.5	15	<0.1	0.1	0.1	15	0.13	0.028
VNL003 05+25E	Soil	<2	0.2	6.2	12.2	88	<0.1	10.5	4.1	416	1.06	2.6	0.6	2.1	17	0.1	<0.1	0.1	11	0.14	0.027
VNL003 05+50E	Soil	<2	0.3	9.2	12.2	109	<0.1	14.4	5.5	355	1.39	4.3	0.7	3.5	21	<0.1	0.1	0.1	14	0.17	0.077
VNL003 05+75E	Soil	5	0.2	5.9	10.9	73	<0.1	9.0	4.3	140	1.17	3.2	<0.5	3.2	10	0.1	0.2	0.1	14	0.11	0.008
VNL003 06+00E	Soil	<2	0.6	12.4	23.4	114	<0.1	15.7	8.8	1241	1.88	4.4	0.9	4.0	20	0.2	0.2	0.2	21	0.16	0.027

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL002 08+00E	Soil	14	14	0.71	69	0.065	<20	1.45	0.007	0.19	<0.1	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
VNL002 08+25E	Soil	9	10	0.52	241	0.063	<20	2.01	0.012	0.17	<0.1	0.01	3.8	0.1	<0.05	7	<0.5	<0.2
VNL002 08+50E	Soil	9	9	0.48	160	0.071	<20	2.13	0.012	0.21	<0.1	<0.01	3.4	0.1	<0.05	8	<0.5	<0.2
VNL002 08+75E	Soil	5	7	0.21	153	0.041	<20	1.16	0.010	0.11	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL002 09+00E	Soil	7	8	0.25	340	0.050	<20	1.57	0.010	0.13	<0.1	0.01	1.8	0.1	<0.05	5	<0.5	<0.2
VNL003 00+00E	Soil	15	11	0.38	233	0.104	<20	2.97	0.020	0.14	0.1	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
VNL003 00+25E	Soil	15	12	0.41	202	0.099	<20	2.68	0.018	0.14	0.1	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
VNL003 00+50E	Soil	10	9	0.28	286	0.087	<20	2.45	0.022	0.21	0.1	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
VNL003 00+75E	Soil	8	12	0.46	265	0.083	<20	2.26	0.015	0.20	<0.1	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
VNL003 01+00E	Soil	15	15	0.55	231	0.107	<20	2.78	0.016	0.18	<0.1	0.02	3.3	0.3	<0.05	7	<0.5	<0.2
VNL003 01+25E	Soil	33	9	0.35	139	0.091	<20	2.45	0.033	0.11	<0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
VNL003 01+50E	Soil	12	10	0.34	269	0.058	<20	1.72	0.011	0.16	<0.1	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
VNL003 01+75E	Soil	16	11	0.34	242	0.062	<20	1.98	0.010	0.17	<0.1	0.01	2.6	0.2	<0.05	5	<0.5	<0.2
VNL003 02+00E	Soil	14	9	0.27	157	0.078	<20	2.35	0.019	0.12	<0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
VNL003 02+25E	Soil	10	10	0.31	188	0.058	<20	1.90	0.011	0.25	0.1	<0.01	1.8	0.1	<0.05	5	<0.5	<0.2
VNL003 02+50E	Soil	7	7	0.22	207	0.062	<20	1.94	0.018	0.10	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
VNL003 02+75E	Soil	9	7	0.21	351	0.049	<20	1.57	0.017	0.11	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
VNL003 03+00E	Soil	10	10	0.33	251	0.048	<20	1.39	0.009	0.16	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
VNL003 03+25E	Soil	9	10	0.33	264	0.060	<20	1.81	0.012	0.15	0.1	0.01	1.7	0.1	<0.05	5	<0.5	<0.2
VNL003 03+50E	Soil	10	8	0.21	207	0.074	<20	2.09	0.018	0.11	0.1	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
VNL003 03+75E	Soil	9	8	0.23	227	0.065	<20	1.99	0.018	0.14	0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
VNL003 04+00E	Soil	13	9	0.30	201	0.048	<20	1.30	0.012	0.20	<0.1	<0.01	2.0	0.1	<0.05	4	<0.5	<0.2
VNL003 04+25E	Soil	11	10	0.34	148	0.057	<20	1.34	0.008	0.27	<0.1	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
VNL003 04+50E	Soil	10	8	0.26	224	0.052	<20	1.59	0.015	0.15	<0.1	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
VNL003 04+75E	Soil	12	10	0.29	209	0.064	<20	1.89	0.014	0.22	0.1	0.01	2.3	0.2	<0.05	5	<0.5	<0.2
VNL003 05+00E	Soil	14	10	0.30	160	0.055	<20	1.50	0.009	0.18	<0.1	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
VNL003 05+25E	Soil	8	7	0.24	190	0.046	<20	1.27	0.011	0.15	<0.1	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
VNL003 05+50E	Soil	9	9	0.27	249	0.056	<20	1.76	0.014	0.17	<0.1	<0.01	2.0	0.1	<0.05	5	<0.5	<0.2
VNL003 05+75E	Soil	9	9	0.30	97	0.052	<20	1.08	0.008	0.17	<0.1	<0.01	1.6	0.2	<0.05	3	<0.5	<0.2
VNL003 06+00E	Soil	18	11	0.38	268	0.080	<20	2.16	0.007	0.16	0.1	0.03	2.5	0.2	<0.05	6	<0.5	<0.2

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

Method		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL003 06+25E	Soil	<2	0.7	18.3	26.6	120	<0.1	18.1	9.2	577	2.06	7.1	1.0	4.4	11	0.2	0.2	0.2	27	0.10	0.125
VNL003 06+50E	Soil	<2	0.2	6.3	10.9	74	<0.1	9.5	3.9	252	1.16	2.4	<0.5	2.8	12	<0.1	<0.1	0.1	13	0.13	0.019
VNL003 06+75E	Soil	<2	0.3	9.8	16.7	137	<0.1	17.1	6.6	707	1.51	4.4	0.8	3.1	19	<0.1	0.1	0.1	15	0.13	0.082
VNL003 07+00E	Soil	<2	0.7	35.0	22.8	199	0.1	30.1	26.6	1492	2.70	28.8	0.8	5.1	26	0.3	0.3	0.3	26	0.51	0.340
VNL003 07+25E	Soil	<2	0.7	12.3	15.6	81	<0.1	15.9	7.9	505	1.74	4.1	<0.5	3.5	20	<0.1	0.2	0.2	19	0.25	0.055
VNL003 07+50E	Soil	<2	0.7	17.7	11.5	96	<0.1	19.4	8.9	940	1.79	8.2	<0.5	4.1	19	0.1	<0.1	0.2	20	0.16	0.147
VNL003 07+75E	Soil	<2	0.7	11.8	14.1	112	<0.1	14.9	7.5	1105	1.51	5.3	<0.5	2.6	17	0.2	0.1	0.3	16	0.16	0.159
VNL003 08+00E	Soil	<2	0.3	10.1	11.7	50	<0.1	11.5	6.3	348	1.46	3.9	<0.5	3.1	15	<0.1	0.2	0.2	16	0.12	0.039
VNL003 08+25E	Soil	14	0.3	16.1	10.3	79	<0.1	11.0	15.7	506	2.45	5.8	10.8	3.4	13	<0.1	0.3	0.2	30	0.15	0.076
VNL003 08+50E	Soil	<2	0.6	9.5	9.3	93	<0.1	8.4	12.5	694	3.14	5.4	0.7	2.7	24	<0.1	0.1	0.2	34	0.21	0.087
VNL003 08+75E	Soil	<2	0.5	7.9	10.4	79	<0.1	9.4	11.2	929	2.02	4.5	<0.5	2.5	23	<0.1	0.2	0.2	24	0.19	0.049
VNL003 09+00E	Soil	<2	0.1	6.7	10.5	91	<0.1	10.3	4.7	383	1.13	2.4	1.2	1.9	14	<0.1	0.1	0.1	13	0.12	0.063
VNL003 09+25E	Soil	<2	0.2	8.7	12.3	135	<0.1	14.4	5.5	351	1.43	3.8	0.8	3.2	16	0.1	0.1	0.1	17	0.16	0.110
VNL003 09+50E	Soil	<2	0.3	10.8	11.5	110	<0.1	13.9	5.9	383	1.42	5.0	112.2	3.3	18	<0.1	0.1	0.1	18	0.16	0.111
VNL003 09+75E	Soil	<2	0.2	11.9	10.9	52	<0.1	11.5	5.6	206	1.54	3.2	1.1	3.9	10	<0.1	0.2	0.1	21	0.10	0.028
VNL003 10+00E	Soil	<2	0.3	11.7	12.1	87	<0.1	14.8	6.1	218	1.66	3.6	1.3	4.1	18	<0.1	<0.1	0.2	20	0.16	0.051
VNL004 00+00E	Soil	<2	0.6	14.4	16.5	135	<0.1	25.4	11.6	289	2.13	7.6	3.5	3.2	16	<0.1	0.2	0.2	21	0.19	0.052
VNL004 00+25E	Soil	<2	0.5	12.5	11.6	180	0.1	16.0	4.9	1546	1.33	6.0	0.7	1.9	25	0.2	0.3	0.1	11	0.46	0.036
VNL004 00+50E	Soil	<2	0.4	12.3	10.1	108	0.1	19.7	6.9	453	1.38	10.8	0.9	2.6	19	<0.1	0.1	0.2	15	0.19	0.123
VNL004 00+75E	Soil	<2	0.4	12.3	17.7	155	<0.1	19.4	6.8	478	1.33	10.4	0.8	3.3	23	0.2	0.1	0.2	15	0.16	0.127
VNL004 01+00E	Soil	<2	0.4	11.3	15.7	176	0.1	23.7	6.4	595	1.40	10.2	1.5	2.5	22	0.1	0.2	0.2	15	0.18	0.079
VNL004 01+25E	Soil	<2	0.5	11.0	14.6	133	0.1	19.2	7.6	1179	1.51	5.4	0.7	2.9	39	0.1	0.2	0.2	14	0.31	0.043
VNL004 01+50E	Soil	<2	0.6	9.7	18.0	156	0.1	17.1	7.0	540	1.58	8.3	<0.5	2.7	17	0.1	0.1	0.2	18	0.16	0.104
VNL004 01+75E	Soil	<2	0.3	10.7	9.5	100	<0.1	14.7	5.9	603	1.37	9.8	1.0	2.9	21	<0.1	<0.1	0.2	15	0.23	0.111
VNL004 02+00E	Soil	<2	0.5	22.3	26.9	251	0.2	24.9	15.6	1233	2.41	21.1	<0.5	3.2	37	0.3	1.0	0.4	20	0.37	0.235
VNL004 02+25E	Soil	<2	0.4	14.3	14.4	138	0.2	20.6	8.2	1066	1.67	9.1	1.3	2.6	24	0.2	0.1	0.2	17	0.26	0.242
VNL004 02+50E	Soil	<2	0.3	10.6	11.7	123	0.1	17.2	6.7	484	1.47	15.0	0.6	3.1	30	0.2	<0.1	0.1	17	0.26	0.355
VNL004 02+75E	Soil	<2	0.4	10.3	13.4	129	<0.1	16.3	6.5	279	1.50	5.6	<0.5	4.2	19	<0.1	0.1	0.2	15	0.15	0.096
VNL004 03+00E	Soil	<2	0.3	12.2	16.0	183	<0.1	18.3	8.0	868	1.63	7.1	2.1	3.6	25	0.2	0.1	0.2	16	0.26	0.184
VNL004 03+25E	Soil	<2	0.3	9.8	13.9	104	0.1	17.3	6.4	301	1.47	4.4	0.5	3.4	17	<0.1	0.2	0.1	17	0.18	0.064

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL003 06+25E	Soil	15	11	0.34	149	0.085	<20	2.70	0.009	0.11	0.1	0.04	3.0	0.2	<0.05	7	<0.5	<0.2
VNL003 06+50E	Soil	11	8	0.30	121	0.046	<20	1.12	0.006	0.17	<0.1	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
VNL003 06+75E	Soil	9	9	0.30	279	0.059	<20	1.86	0.011	0.18	<0.1	0.01	2.0	0.1	<0.05	5	<0.5	<0.2
VNL003 07+00E	Soil	23	13	0.32	196	0.099	<20	3.36	0.016	0.12	0.1	0.06	3.3	0.2	<0.05	8	0.7	<0.2
VNL003 07+25E	Soil	12	10	0.42	200	0.060	<20	1.89	0.011	0.18	<0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
VNL003 07+50E	Soil	10	9	0.24	336	0.092	<20	2.91	0.019	0.10	<0.1	0.03	2.4	0.1	<0.05	8	<0.5	<0.2
VNL003 07+75E	Soil	12	8	0.27	293	0.065	<20	2.05	0.015	0.10	<0.1	0.01	2.2	0.1	<0.05	6	<0.5	<0.2
VNL003 08+00E	Soil	12	10	0.32	123	0.044	<20	1.20	0.005	0.16	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL003 08+25E	Soil	10	13	0.60	146	0.044	<20	1.50	0.005	0.12	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
VNL003 08+50E	Soil	12	7	0.75	213	0.080	<20	1.96	0.008	0.24	<0.1	0.02	4.5	0.2	<0.05	8	<0.5	<0.2
VNL003 08+75E	Soil	10	8	0.41	228	0.058	<20	1.67	0.008	0.16	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
VNL003 09+00E	Soil	8	9	0.27	251	0.040	<20	1.23	0.008	0.13	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
VNL003 09+25E	Soil	9	10	0.32	226	0.055	<20	1.65	0.011	0.15	<0.1	<0.01	2.1	0.1	<0.05	4	<0.5	<0.2
VNL003 09+50E	Soil	9	10	0.32	225	0.053	<20	1.65	0.012	0.13	<0.1	0.01	2.2	0.1	<0.05	5	<0.5	<0.2
VNL003 09+75E	Soil	13	13	0.40	69	0.045	<20	1.04	0.005	0.18	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
VNL003 10+00E	Soil	12	12	0.33	186	0.061	<20	1.82	0.013	0.18	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
VNL004 00+00E	Soil	9	10	0.35	158	0.082	<20	2.27	0.016	0.17	<0.1	0.02	1.9	0.2	<0.05	6	<0.5	<0.2
VNL004 00+25E	Soil	9	8	0.22	148	0.064	<20	2.10	0.022	0.11	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
VNL004 00+50E	Soil	11	7	0.20	224	0.084	<20	2.51	0.022	0.08	0.1	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
VNL004 00+75E	Soil	11	7	0.23	211	0.071	<20	1.92	0.022	0.10	0.1	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
VNL004 01+00E	Soil	12	8	0.24	247	0.071	<20	2.13	0.020	0.13	<0.1	0.04	2.0	0.1	<0.05	5	<0.5	<0.2
VNL004 01+25E	Soil	17	9	0.25	365	0.051	<20	1.48	0.012	0.13	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL004 01+50E	Soil	9	9	0.26	242	0.070	<20	2.23	0.015	0.09	<0.1	0.03	2.0	0.1	<0.05	6	<0.5	<0.2
VNL004 01+75E	Soil	14	6	0.14	187	0.093	<20	2.73	0.023	0.08	<0.1	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
VNL004 02+00E	Soil	13	10	0.27	340	0.070	<20	2.20	0.014	0.11	0.1	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
VNL004 02+25E	Soil	14	8	0.20	254	0.099	<20	2.92	0.022	0.10	<0.1	0.03	2.5	0.1	<0.05	7	<0.5	<0.2
VNL004 02+50E	Soil	16	7	0.17	198	0.109	<20	3.19	0.024	0.08	0.2	0.04	2.4	0.1	<0.05	7	<0.5	<0.2
VNL004 02+75E	Soil	9	9	0.30	165	0.055	<20	1.68	0.014	0.16	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL004 03+00E	Soil	19	8	0.30	286	0.072	<20	2.19	0.018	0.17	<0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
VNL004 03+25E	Soil	11	9	0.29	181	0.067	<20	1.93	0.017	0.13	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2

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	Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL004 03+50E	Soil	<2	0.4	10.0	13.9	91	<0.1	14.8	5.9	262	1.48	5.2	0.8	3.7	16	<0.1	0.1	0.1	17	0.15	0.019
VNL004 03+75E	Soil	<2	0.3	9.7	20.6	136	<0.1	17.4	7.1	376	1.50	6.1	<0.5	3.5	21	<0.1	0.1	0.2	15	0.20	0.066
VNL004 04+00E	Soil	<2	0.4	13.5	16.5	103	<0.1	14.8	7.0	154	1.58	6.7	<0.5	4.0	10	0.1	0.2	0.1	19	0.10	0.057
VNL004 04+25E	Soil	<2	0.4	13.7	15.0	123	0.2	15.6	6.6	196	1.44	6.5	<0.5	3.1	21	0.1	0.1	0.1	18	0.21	0.075
VNL004 04+50E	Soil	<2	0.4	11.6	15.4	131	0.1	14.1	5.5	432	1.17	6.2	0.9	2.0	25	0.1	0.1	0.1	14	0.19	0.133
VNL004 04+75E	Soil	<2	0.3	7.9	12.6	201	<0.1	14.9	5.0	612	1.18	5.5	<0.5	1.6	30	0.1	<0.1	0.1	13	0.18	0.271
VNL004 05+00E	Soil	<2	0.5	10.3	15.9	174	0.2	19.1	6.4	326	1.46	7.3	0.8	2.7	25	0.2	<0.1	0.1	18	0.19	0.142
VNL004 05+25E	Soil	<2	0.6	20.2	13.1	113	0.2	19.6	5.6	292	1.49	7.2	0.9	3.2	25	0.2	<0.1	0.1	19	0.26	0.065
VNL004 05+50E	Soil	<2	0.4	8.1	14.7	142	0.1	16.5	6.2	454	1.50	8.9	<0.5	2.6	17	0.1	<0.1	0.2	18	0.15	0.102
VNL004 05+75E	Soil	<2	0.3	10.0	14.6	129	<0.1	17.0	6.0	298	1.41	6.7	<0.5	3.3	19	<0.1	0.1	0.2	18	0.18	0.064
VNL004 06+00E	Soil	<2	0.3	11.0	21.0	150	<0.1	23.1	7.3	343	1.59	9.7	<0.5	3.6	14	0.1	0.1	0.2	18	0.14	0.122
VNL004 06+25E	Soil	<2	0.6	11.4	20.0	133	0.1	16.1	6.6	389	1.50	9.9	<0.5	3.1	13	<0.1	0.1	0.2	18	0.15	0.059
VNL004 06+50E	Soil	<2	0.3	7.2	13.4	147	0.1	12.0	4.8	573	1.09	5.9	1.1	1.6	24	0.2	<0.1	0.1	13	0.33	0.110
VNL004 06+75E	Soil	3	0.3	5.8	13.2	117	<0.1	10.7	3.8	413	1.01	4.2	<0.5	1.8	15	<0.1	<0.1	0.1	13	0.11	0.116
VNL004 07+00E	Soil	<2	0.4	10.5	16.0	152	0.2	25.9	5.3	319	1.39	6.5	<0.5	2.8	20	0.2	0.1	0.1	15	0.31	0.034
VNL004 07+25E	Soil	<2	0.3	9.6	14.0	138	0.1	15.0	4.8	504	1.15	7.8	<0.5	2.3	21	<0.1	0.1	0.1	14	0.23	0.171
VNL004 07+50E	Soil	<2	0.4	10.1	17.8	169	0.1	16.5	5.7	448	1.41	6.9	<0.5	2.7	16	<0.1	0.1	0.1	16	0.15	0.111
VNL004 07+75E	Soil	2	0.4	11.7	16.7	83	<0.1	13.8	6.4	203	1.64	5.0	<0.5	4.6	12	<0.1	0.1	0.1	19	0.11	0.021
VNL004 08+00E	Soil	<2	0.2	9.3	15.3	55	<0.1	10.1	5.4	184	1.43	3.4	<0.5	4.3	8	<0.1	0.2	0.1	18	0.12	0.019
VNL004 08+25E	Soil	<2	0.2	7.3	14.8	70	<0.1	10.3	4.8	291	1.25	3.3	<0.5	3.2	10	<0.1	0.1	0.1	16	0.15	0.024
VNL004 08+50E	Soil	<2	0.4	9.7	16.5	111	<0.1	14.4	5.8	487	1.45	4.5	<0.5	3.2	13	<0.1	0.1	0.1	16	0.13	0.062
VNL004 08+75E	Soil	<2	0.2	8.3	13.4	81	<0.1	11.1	5.3	525	1.26	3.6	<0.5	2.6	14	<0.1	0.1	0.1	16	0.19	0.038
VNL004 09+00E	Soil	<2	0.2	9.8	14.2	131	<0.1	14.6	5.5	500	1.37	4.9	<0.5	3.6	20	0.2	0.1	0.1	15	0.19	0.092
VNL004 09+25E	Soil	<2	0.3	12.5	13.5	97	<0.1	14.3	6.0	382	1.43	5.8	0.9	3.9	16	<0.1	0.1	0.1	18	0.13	0.085
VNL004 09+50E	Soil	89	0.2	11.2	10.1	56	<0.1	11.3	4.9	168	1.34	2.8	<0.5	3.1	16	<0.1	0.1	0.1	18	0.15	0.023
VNL004 09+75E	Soil	<2	0.2	13.5	11.1	68	<0.1	17.8	9.4	507	1.76	4.0	<0.5	3.6	20	<0.1	0.1	0.3	21	0.14	0.079
VNL004 10+00E	Soil	<2	0.1	11.2	10.5	92	<0.1	13.9	5.3	317	1.29	4.2	0.5	1.6	24	<0.1	<0.1	0.1	16	0.16	0.177
VNL005 00+00E	Soil	<2	0.3	13.6	19.6	94	<0.1	20.5	7.4	495	1.84	8.6	<0.5	3.4	29	0.1	0.4	0.2	18	0.30	0.028
VNL005 00+50E	Soil	<2	0.2	12.2	12.5	80	<0.1	15.3	6.5	276	1.61	4.5	1.9	3.5	11	<0.1	0.2	0.2	16	0.12	0.023
VNL005 01+00E	Soil	<2	0.5	7.9	9.4	96	<0.1	17.3	5.5	319	1.11	6.2	0.6	3.1	19	<0.1	<0.1	0.1	13	0.16	0.037

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL004 03+50E	Soil	10	9	0.30	227	0.067	<20	1.89	0.015	0.15	<0.1	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
VNL004 03+75E	Soil	11	9	0.29	218	0.061	<20	1.74	0.015	0.15	<0.1	0.01	1.9	0.1	<0.05	5	<0.5	<0.2
VNL004 04+00E	Soil	14	11	0.35	105	0.042	<20	1.24	0.009	0.14	<0.1	<0.01	2.1	0.1	<0.05	4	<0.5	<0.2
VNL004 04+25E	Soil	14	9	0.30	141	0.068	<20	1.95	0.017	0.14	<0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
VNL004 04+50E	Soil	10	7	0.22	201	0.060	<20	1.79	0.018	0.10	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
VNL004 04+75E	Soil	7	8	0.20	408	0.062	<20	1.86	0.016	0.10	<0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
VNL004 05+00E	Soil	10	8	0.22	213	0.081	<20	2.32	0.017	0.11	<0.1	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
VNL004 05+25E	Soil	22	8	0.21	162	0.093	<20	2.80	0.027	0.11	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
VNL004 05+50E	Soil	7	8	0.20	248	0.079	<20	2.42	0.018	0.09	<0.1	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
VNL004 05+75E	Soil	13	9	0.25	223	0.074	<20	2.20	0.020	0.11	0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
VNL004 06+00E	Soil	11	10	0.30	265	0.073	<20	2.19	0.015	0.14	0.2	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
VNL004 06+25E	Soil	8	9	0.28	251	0.070	<20	2.12	0.016	0.13	<0.1	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
VNL004 06+50E	Soil	6	7	0.18	265	0.059	<20	1.69	0.018	0.10	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
VNL004 06+75E	Soil	6	7	0.18	210	0.054	<20	1.54	0.017	0.09	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL004 07+00E	Soil	11	9	0.24	119	0.073	<20	2.20	0.022	0.14	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
VNL004 07+25E	Soil	7	7	0.19	261	0.068	<20	1.95	0.018	0.10	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
VNL004 07+50E	Soil	8	9	0.24	222	0.064	<20	2.08	0.018	0.11	<0.1	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
VNL004 07+75E	Soil	11	11	0.37	183	0.065	<20	1.67	0.010	0.17	<0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
VNL004 08+00E	Soil	12	11	0.34	77	0.048	<20	1.07	0.006	0.20	<0.1	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
VNL004 08+25E	Soil	11	10	0.29	155	0.044	<20	1.16	0.006	0.13	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
VNL004 08+50E	Soil	11	10	0.31	227	0.054	<20	1.66	0.012	0.14	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
VNL004 08+75E	Soil	9	10	0.30	205	0.046	<20	1.32	0.010	0.16	0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
VNL004 09+00E	Soil	11	9	0.27	235	0.051	<20	1.59	0.011	0.16	<0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
VNL004 09+25E	Soil	14	9	0.27	192	0.066	<20	1.91	0.014	0.13	<0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
VNL004 09+50E	Soil	9	10	0.32	116	0.047	<20	1.22	0.007	0.14	<0.1	0.01	1.8	0.1	<0.05	4	<0.5	<0.2
VNL004 09+75E	Soil	10	12	0.32	249	0.062	<20	1.75	0.011	0.12	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
VNL004 10+00E	Soil	6	9	0.28	233	0.055	<20	1.78	0.015	0.11	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
VNL005 00+00E	Soil	11	9	0.30	227	0.067	<20	1.86	0.015	0.15	0.1	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
VNL005 00+50E	Soil	10	11	0.37	112	0.059	<20	1.28	0.009	0.20	<0.1	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
VNL005 01+00E	Soil	8	5	0.19	155	0.077	<20	1.93	0.024	0.12	<0.1	0.03	2.0	0.1	<0.05	4	<0.5	<0.2

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL005 01+50E	Soil	<2	0.3	12.2	13.0	197	0.1	18.5	6.6	773	1.35	6.3	<0.5	2.3	29	0.2	0.1	0.2	14	0.22	0.120
VNL005 02+00E	Soil	<2	0.4	9.3	12.1	100	<0.1	16.2	5.8	415	1.43	5.4	<0.5	2.7	14	<0.1	0.1	0.1	15	0.11	0.050
VNL005 02+50E	Soil	<2	0.4	13.1	17.8	269	0.1	19.7	7.8	691	1.71	9.4	<0.5	3.5	22	0.5	0.2	0.1	19	0.34	0.096
VNL005 03+00E	Soil	<2	0.5	14.0	22.2	232	<0.1	21.9	8.6	620	1.73	6.2	<0.5	3.2	16	0.3	<0.1	0.2	17	0.17	0.136
VNL005 03+50E	Soil	<2	0.3	12.3	52.1	312	0.1	18.4	8.7	946	1.87	60.3	<0.5	3.8	23	0.3	0.1	0.2	16	0.19	0.152
VNL005 04+00E	Soil	<2	0.4	13.4	18.1	171	0.1	20.6	6.9	474	1.49	9.1	<0.5	3.2	21	0.1	0.1	0.2	17	0.18	0.099
VNL005 04+50E	Soil	3	0.2	10.5	16.2	119	0.1	16.0	5.9	225	1.37	7.2	<0.5	3.5	23	<0.1	<0.1	0.2	15	0.16	0.088
VNL005 05+00E	Soil	<2	0.4	10.3	17.4	115	<0.1	16.4	6.2	298	1.43	6.7	<0.5	4.2	16	<0.1	<0.1	0.2	15	0.14	0.043
VNL005 05+50E	Soil	<2	0.3	6.5	13.3	119	<0.1	11.4	5.2	398	1.10	3.3	0.5	1.8	13	<0.1	<0.1	0.2	14	0.18	0.025
VNL005 06+00E	Soil	<2	0.2	8.7	12.1	110	<0.1	13.3	5.2	409	1.30	5.3	<0.5	2.8	18	<0.1	<0.1	0.2	15	0.18	0.073
VNL005 06+50E	Soil	<2	0.3	7.7	14.9	105	<0.1	10.7	4.9	284	1.30	5.1	<0.5	1.8	16	0.1	0.1	0.2	14	0.15	0.261
VNL005 07+00E	Soil	<2	0.2	5.9	11.2	83	<0.1	9.1	4.1	221	1.08	2.2	<0.5	2.0	10	<0.1	<0.1	0.1	14	0.11	0.027
VNL005 07+50E	Soil	<2	0.2	8.3	14.0	101	<0.1	12.4	4.6	199	1.24	3.9	<0.5	3.3	19	<0.1	<0.1	0.1	13	0.13	0.133
VNL005 08+00E	Soil	<2	0.2	5.2	8.0	78	<0.1	8.1	3.2	186	0.94	1.6	<0.5	1.8	12	<0.1	<0.1	<0.1	11	0.13	0.031
VNL005 08+25E	Soil	<2	0.2	6.5	11.2	83	<0.1	9.9	4.4	351	1.11	3.1	<0.5	2.3	15	<0.1	<0.1	<0.1	14	0.17	0.044
VNL005 08+50E	Soil	<2	0.2	7.6	11.1	66	<0.1	9.2	4.5	274	1.18	2.2	<0.5	3.2	10	<0.1	0.1	0.1	16	0.10	0.026
VNL005 08+75E	Soil	<2	0.2	6.4	11.2	52	<0.1	7.5	3.8	245	1.02	2.2	<0.5	2.2	11	<0.1	0.1	<0.1	13	0.11	0.016
VNL005 09+00E	Soil	2	0.3	12.6	13.5	62	<0.1	10.4	5.9	508	1.40	3.5	<0.5	2.9	14	<0.1	0.2	0.1	18	0.26	0.021
VNL005 09+25E	Soil	<2	0.3	11.6	12.1	48	<0.1	12.7	6.1	141	1.47	4.8	<0.5	4.1	16	<0.1	0.1	0.1	19	0.27	0.015
VNL005 09+50E	Soil	<2	0.1	12.2	12.2	111	<0.1	12.3	5.7	234	1.41	4.3	<0.5	3.0	14	<0.1	0.1	0.1	19	0.12	0.070
VNL005 09+75E	Soil	<2	0.1	6.1	8.0	51	<0.1	5.7	3.9	146	0.83	2.3	<0.5	1.3	14	<0.1	<0.1	<0.1	12	0.24	0.023
VNL005 10+00E	Soil	<2	<0.1	7.5	9.1	81	<0.1	7.6	3.5	225	1.02	1.9	<0.5	2.1	11	<0.1	<0.1	0.1	15	0.14	0.020
VNL006 00+00E	Soil	<2	0.4	9.3	12.8	133	<0.1	16.2	5.5	520	1.13	4.3	<0.5	2.7	18	0.1	0.1	0.1	13	0.19	0.059
VNL006 00+50E	Soil	<2	0.3	12.1	12.0	95	0.1	16.6	6.8	430	1.45	5.4	6.8	2.6	15	<0.1	<0.1	0.1	18	0.15	0.096
VNL006 01+00E	Soil	<2	0.3	13.6	14.2	108	<0.1	17.3	7.2	375	1.64	5.0	<0.5	2.3	22	0.1	<0.1	0.2	20	0.15	0.178
VNL006 01+50E	Soil	<2	0.3	8.7	9.6	74	<0.1	13.2	4.7	332	1.15	4.2	<0.5	2.5	14	<0.1	<0.1	0.1	13	0.12	0.088
VNL006 02+00E	Soil	<2	0.3	9.2	11.7	116	<0.1	14.5	4.8	567	1.05	5.2	<0.5	1.9	29	0.1	<0.1	0.1	13	0.22	0.134
VNL006 02+50E	Soil	<2	0.2	9.3	11.9	89	<0.1	15.3	5.3	347	1.28	4.6	<0.5	2.9	20	<0.1	<0.1	0.1	14	0.15	0.075
VNL006 03+00E	Soil	<2	0.2	6.9	14.7	131	<0.1	14.4	5.2	275	1.20	5.2	<0.5	2.2	26	0.1	<0.1	0.1	13	0.20	0.105
VNL006 03+50E	Soil	<2	0.2	10.8	20.7	234	0.1	21.1	6.7	400	1.41	7.4	<0.5	2.8	34	0.3	0.1	0.2	14	0.26	0.195

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Cranbrook BC V1C 2R7 Canada

Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL005 01+50E	Soil	9	9	0.28	311	0.053	<20	1.53	0.012	0.11	<0.1	0.02	1.6	0.1	<0.05	4	<0.5	<0.2
VNL005 02+00E	Soil	9	9	0.28	205	0.059	<20	1.76	0.013	0.12	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
VNL005 02+50E	Soil	12	10	0.32	211	0.081	<20	2.36	0.018	0.15	<0.1	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
VNL005 03+00E	Soil	16	10	0.32	163	0.072	<20	2.15	0.015	0.12	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
VNL005 03+50E	Soil	11	12	0.40	311	0.069	<20	2.07	0.012	0.14	<0.1	0.01	2.3	0.2	<0.05	6	<0.5	<0.2
VNL005 04+00E	Soil	13	9	0.29	205	0.079	<20	2.19	0.019	0.12	<0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
VNL005 04+50E	Soil	11	9	0.26	199	0.057	<20	1.69	0.014	0.12	<0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
VNL005 05+00E	Soil	10	9	0.27	202	0.053	<20	1.56	0.011	0.13	<0.1	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
VNL005 05+50E	Soil	6	8	0.25	198	0.044	<20	1.26	0.011	0.12	<0.1	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
VNL005 06+00E	Soil	9	8	0.25	209	0.054	<20	1.62	0.012	0.15	<0.1	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
VNL005 06+50E	Soil	6	8	0.23	239	0.048	<20	1.56	0.011	0.12	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
VNL005 07+00E	Soil	8	9	0.28	130	0.042	<20	1.14	0.007	0.14	<0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
VNL005 07+50E	Soil	9	8	0.23	214	0.046	<20	1.48	0.009	0.13	0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
VNL005 08+00E	Soil	7	7	0.22	123	0.040	<20	1.09	0.009	0.14	<0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
VNL005 08+25E	Soil	6	8	0.24	175	0.050	<20	1.37	0.011	0.12	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL005 08+50E	Soil	9	9	0.29	124	0.049	<20	1.12	0.007	0.13	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
VNL005 08+75E	Soil	8	8	0.24	93	0.038	<20	0.92	0.007	0.13	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
VNL005 09+00E	Soil	12	10	0.31	125	0.036	<20	1.06	0.008	0.18	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
VNL005 09+25E	Soil	16	9	0.27	124	0.063	<20	1.79	0.019	0.15	<0.1	<0.01	2.6	0.1	<0.05	4	<0.5	<0.2
VNL005 09+50E	Soil	9	10	0.32	184	0.041	<20	1.30	0.007	0.10	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
VNL005 09+75E	Soil	5	5	0.18	91	0.031	<20	0.93	0.008	0.08	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
VNL005 10+00E	Soil	7	8	0.26	122	0.037	<20	0.92	0.008	0.12	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
VNL006 00+00E	Soil	8	7	0.21	176	0.056	<20	1.60	0.014	0.12	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL006 00+50E	Soil	9	10	0.30	226	0.050	<20	1.51	0.009	0.11	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
VNL006 01+00E	Soil	10	12	0.34	167	0.055	<20	1.79	0.010	0.12	<0.1	0.01	2.0	0.1	<0.05	5	<0.5	<0.2
VNL006 01+50E	Soil	8	8	0.25	198	0.054	<20	1.54	0.013	0.12	<0.1	0.01	1.8	0.1	<0.05	4	<0.5	<0.2
VNL006 02+00E	Soil	8	7	0.20	238	0.058	<20	1.59	0.017	0.10	<0.1	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
VNL006 02+50E	Soil	8	8	0.29	205	0.055	<20	1.55	0.011	0.16	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL006 03+00E	Soil	6	7	0.23	206	0.060	<20	1.65	0.012	0.12	<0.1	0.10	1.4	0.1	<0.05	4	<0.5	<0.2
VNL006 03+50E	Soil	10	9	0.27	242	0.063	<20	1.83	0.014	0.14	<0.1	0.02	1.9	0.1	<0.05	5	<0.5	<0.2

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CERTIFICATE OF ANALYSIS VAN12002231.1

Method		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL006 04+00E	Soil	<2	0.4	11.1	16.9	249	0.1	14.7	5.5	776	1.14	5.2	<0.5	2.4	27	0.4	<0.1	0.2	13	0.17	0.263
VNL006 04+50E	Soil	<2	0.5	10.1	20.6	192	0.1	13.3	5.2	552	1.18	5.9	0.6	1.7	21	0.3	<0.1	0.1	14	0.18	0.112
VNL006 05+00E	Soil	<2	0.4	8.6	19.5	118	<0.1	9.4	4.4	622	1.03	3.9	<0.5	1.7	22	0.1	0.2	0.2	13	0.21	0.126
VNL006 05+50E	Soil	<2	0.2	6.9	13.2	98	<0.1	12.3	5.0	199	1.32	2.9	<0.5	3.0	12	<0.1	<0.1	0.1	15	0.11	0.046
VNL006 06+00E	Soil	<2	0.4	5.3	10.4	110	<0.1	8.6	3.4	234	1.01	1.9	<0.5	2.1	14	<0.1	<0.1	0.1	13	0.13	0.059
VNL006 06+50E	Soil	<2	0.3	8.6	17.2	88	<0.1	10.8	5.6	488	1.33	3.5	<0.5	3.3	16	<0.1	0.2	0.1	15	0.20	0.032
VNL007 00+00E	Soil	<2	0.4	8.7	10.0	79	<0.1	15.0	5.7	288	1.56	4.0	3.3	3.9	15	<0.1	0.1	0.1	17	0.13	0.147
VNL007 00+50E	Soil	8	0.3	8.1	10.5	44	<0.1	9.2	4.6	300	1.18	2.6	<0.5	2.9	14	<0.1	0.1	0.1	15	0.21	0.021
VNL007 01+00E	Soil	<2	0.2	5.3	7.8	48	<0.1	6.8	3.8	203	1.06	1.6	<0.5	1.6	10	<0.1	<0.1	0.1	13	0.18	0.009
VNL007 01+50E	Soil	<2	0.1	9.7	10.1	72	<0.1	15.7	6.3	163	1.51	3.2	1.4	3.2	21	<0.1	<0.1	0.1	14	0.38	0.019
VNL007 02+00E	Soil	<2	0.4	8.1	10.3	92	<0.1	13.1	5.3	364	1.17	4.5	<0.5	2.3	21	0.1	<0.1	0.1	14	0.20	0.077
VNL007 02+50E	Soil	<2	0.3	8.0	10.8	132	<0.1	11.9	5.1	510	1.17	3.2	<0.5	2.0	21	<0.1	<0.1	0.2	13	0.14	0.102
VNL007 03+00E	Soil	<2	0.3	10.0	14.1	145	0.1	23.9	6.1	343	1.39	4.3	<0.5	3.1	24	0.2	<0.1	0.2	16	0.19	0.058
VNL007 03+50E	Soil	<2	0.4	10.8	14.5	151	<0.1	18.4	7.8	1041	1.61	6.9	0.6	2.8	25	0.2	0.1	0.2	19	0.18	0.103
VNL007 04+00E	Soil	<2	0.4	9.0	35.4	258	0.1	16.5	5.9	513	1.41	7.8	<0.5	2.6	22	0.4	<0.1	0.2	16	0.18	0.187
VNL007 04+50E	Soil	<2	0.3	10.7	15.7	83	<0.1	13.2	6.2	187	1.50	3.6	<0.5	4.4	17	<0.1	0.1	0.1	19	0.12	0.024
VNL007 05+00E	Soil	<2	0.2	11.3	19.1	68	<0.1	11.3	6.2	139	1.57	4.6	0.8	4.8	7	<0.1	0.2	0.2	20	0.08	0.035
VNL007 05+50E	Soil	<2	0.2	11.8	21.6	236	<0.1	15.7	6.5	661	1.51	7.8	0.5	3.2	21	0.4	<0.1	0.2	17	0.16	0.256
VNL007 06+00E	Soil	<2	0.2	6.1	11.5	93	<0.1	9.1	4.0	205	1.07	2.1	0.7	2.4	13	<0.1	<0.1	0.1	13	0.12	0.038
VNL007 06+50E	Soil	<2	0.2	9.1	13.0	87	<0.1	10.6	4.5	477	1.09	3.7	<0.5	2.8	21	<0.1	0.1	0.1	14	0.22	0.069
VNL007 07+00E	Soil	<2	0.1	23.9	9.2	34	<0.1	13.0	5.6	122	1.56	5.2	2.1	5.7	6	<0.1	0.3	0.1	23	0.09	0.012
VNL007 07+50E	Soil	42	0.3	10.9	19.9	92	<0.1	15.3	6.6	324	1.53	4.9	<0.5	3.6	17	0.2	0.2	0.2	19	0.22	0.037
VNL007 08+00E	Soil	<2	0.2	10.0	11.1	62	0.1	10.9	5.0	144	1.39	3.6	<0.5	3.1	11	<0.1	0.1	0.1	18	0.13	0.024
VNL007 08+50E	Soil	<2	0.1	6.1	10.2	116	<0.1	10.1	4.3	253	1.15	2.3	<0.5	2.4	11	<0.1	<0.1	0.1	16	0.11	0.026
VNL007 09+00E	Soil	<2	0.2	14.1	12.2	100	<0.1	16.2	7.1	293	1.65	4.8	<0.5	2.7	17	<0.1	<0.1	0.1	25	0.14	0.098
VNL008 00+00E	Soil	<2	0.4	6.4	9.6	82	<0.1	10.0	4.5	351	1.12	3.2	<0.5	1.9	20	<0.1	<0.1	0.2	12	0.21	0.229
VNL008 00+50E	Soil	<2	0.2	4.2	7.4	55	<0.1	6.4	3.0	271	0.86	1.5	<0.5	1.4	10	<0.1	<0.1	0.1	11	0.15	0.022
VNL008 01+00E	Soil	<2	0.3	5.7	10.8	87	<0.1	7.1	3.5	457	0.97	1.7	<0.5	1.6	12	<0.1	0.1	0.1	12	0.24	0.029
VNL008 01+50E	Soil	<2	0.3	5.7	8.1	61	<0.1	8.1	3.4	174	1.03	2.2	<0.5	2.1	12	<0.1	<0.1	<0.1	12	0.16	0.016
VNL008 02+00E	Soil	<2	0.2	6.1	12.0	82	<0.1	9.5	4.5	199	1.13	2.5	<0.5	2.3	18	<0.1	<0.1	0.1	13	0.26	0.061

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Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL006 04+00E	Soil	9	8	0.19	406	0.063	<20	1.76	0.016	0.10	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
VNL006 04+50E	Soil	10	7	0.21	221	0.065	<20	1.96	0.016	0.10	<0.1	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
VNL006 05+00E	Soil	8	7	0.21	248	0.045	<20	1.32	0.011	0.13	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL006 05+50E	Soil	9	10	0.29	183	0.051	<20	1.48	0.009	0.19	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
VNL006 06+00E	Soil	8	8	0.25	168	0.040	<20	1.21	0.009	0.12	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL006 06+50E	Soil	11	9	0.28	164	0.047	<20	1.28	0.008	0.16	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
VNL007 00+00E	Soil	10	11	0.31	228	0.056	<20	1.82	0.012	0.13	0.1	<0.01	2.1	0.1	<0.05	5	<0.5	<0.2
VNL007 00+50E	Soil	10	9	0.31	139	0.049	<20	1.24	0.012	0.15	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL007 01+00E	Soil	6	8	0.25	113	0.056	<20	1.35	0.013	0.15	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL007 01+50E	Soil	11	8	0.26	145	0.088	<20	2.56	0.033	0.12	<0.1	<0.01	2.5	0.1	<0.05	5	<0.5	<0.2
VNL007 02+00E	Soil	10	8	0.25	186	0.062	<20	1.82	0.016	0.14	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
VNL007 02+50E	Soil	8	8	0.24	224	0.059	<20	1.70	0.010	0.13	<0.1	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
VNL007 03+00E	Soil	15	9	0.25	211	0.070	<20	2.01	0.017	0.15	0.1	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
VNL007 03+50E	Soil	10	9	0.24	254	0.095	<20	2.69	0.018	0.11	<0.1	0.04	2.5	0.2	<0.05	7	<0.5	<0.2
VNL007 04+00E	Soil	11	8	0.23	226	0.073	<20	2.30	0.016	0.12	<0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
VNL007 04+50E	Soil	12	10	0.29	194	0.071	<20	1.82	0.014	0.17	<0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
VNL007 05+00E	Soil	16	12	0.38	84	0.049	<20	1.14	0.004	0.17	<0.1	<0.01	2.2	0.2	<0.05	3	<0.5	<0.2
VNL007 05+50E	Soil	14	9	0.24	308	0.078	<20	2.33	0.017	0.11	0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
VNL007 06+00E	Soil	9	8	0.26	171	0.041	<20	1.15	0.009	0.14	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL007 06+50E	Soil	10	8	0.24	220	0.044	<20	1.20	0.009	0.10	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
VNL007 07+00E	Soil	20	14	0.41	35	0.038	<20	0.90	0.003	0.15	<0.1	<0.01	2.8	0.1	<0.05	3	<0.5	<0.2
VNL007 07+50E	Soil	10	11	0.33	167	0.049	<20	1.55	0.009	0.15	<0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
VNL007 08+00E	Soil	10	11	0.32	145	0.052	<20	1.50	0.011	0.14	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
VNL007 08+50E	Soil	9	11	0.29	151	0.038	<20	1.15	0.008	0.12	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
VNL007 09+00E	Soil	7	16	0.40	262	0.052	<20	1.95	0.011	0.12	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
VNL008 00+00E	Soil	6	7	0.22	233	0.053	<20	1.57	0.014	0.18	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
VNL008 00+50E	Soil	6	6	0.21	96	0.044	<20	1.13	0.012	0.13	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
VNL008 01+00E	Soil	6	7	0.23	130	0.048	<20	1.27	0.012	0.14	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
VNL008 01+50E	Soil	6	6	0.23	156	0.053	<20	1.45	0.014	0.16	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
VNL008 02+00E	Soil	7	8	0.25	113	0.047	<20	1.36	0.011	0.14	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL008 02+50E	Soil	<2	0.3	12.7	14.0	151	<0.1	20.4	7.2	290	1.60	6.6	<0.5	3.6	25	0.1	0.1	0.2	17	0.20	0.132
VNL008 03+00E	Soil	<2	0.4	15.9	80.9	814	0.2	17.9	10.3	1118	1.88	5.7	<0.5	3.7	24	1.3	0.3	0.3	21	0.33	0.090
VNL008 03+50E	Soil	<2	0.1	5.6	9.4	74	<0.1	7.2	3.4	513	0.95	1.9	<0.5	1.7	13	<0.1	0.1	0.1	12	0.12	0.018
VNL008 04+00E	Soil	<2	0.3	7.7	12.9	153	<0.1	12.5	4.2	347	1.08	5.4	<0.5	2.1	29	0.1	<0.1	<0.1	14	0.19	0.092
VNL008 04+50E	Soil	<2	0.3	6.7	14.4	120	<0.1	12.6	4.5	482	1.04	4.1	<0.5	1.8	22	<0.1	0.1	0.1	12	0.17	0.068
VNL008 05+00E	Soil	9	0.6	6.3	12.7	110	0.1	7.9	4.0	1073	0.95	2.6	<0.5	1.0	22	0.2	<0.1	0.1	11	0.16	0.028
VNL008 05+50E	Soil	<2	0.5	8.3	13.5	92	<0.1	13.2	5.6	823	1.31	5.2	<0.5	1.9	26	<0.1	0.1	0.2	14	0.19	0.096
VNL008 06+00E	Soil	<2	0.4	13.3	18.8	213	0.1	18.1	7.4	571	1.61	8.3	<0.5	3.8	31	0.3	0.2	0.3	17	0.18	0.277
VNL008 06+50E	Soil	<2	0.3	7.6	11.6	85	<0.1	9.3	4.1	363	1.25	3.2	<0.5	3.5	19	<0.1	0.2	0.2	13	0.16	0.025
VNL008 07+00E	Soil	<2	0.7	11.9	19.6	236	0.1	11.6	5.8	2014	1.22	5.4	<0.5	1.0	35	0.3	0.2	0.2	16	0.37	0.075
VNL008 07+50E	Soil	<2	0.7	24.9	23.5	117	<0.1	20.7	10.6	991	2.36	7.0	0.6	5.0	11	0.1	0.3	0.3	35	0.13	0.079
VNL008 08+00E	Soil	<2	0.4	29.8	28.5	126	<0.1	17.7	9.1	1278	1.91	6.0	0.6	5.4	28	0.2	0.2	0.3	24	0.21	0.078
VNL008 08+50E	Soil	3	0.1	5.0	5.7	45	<0.1	8.0	3.7	230	1.06	1.5	<0.5	2.1	7	<0.1	<0.1	<0.1	16	0.11	0.012
VNL008 09+00E	Soil	<2	0.3	17.6	13.0	61	<0.1	16.9	8.2	175	1.85	3.7	<0.5	3.0	12	<0.1	0.1	0.1	28	0.17	0.014

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Project: VN2012-001
Report Date: May 23, 2012

CERTIFICATE OF ANALYSIS VAN12002231.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VNL008 02+50E	Soil	12	10	0.28	288	0.076	<20	2.33	0.017	0.15	<0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
VNL008 03+00E	Soil	20	12	0.36	271	0.057	<20	2.04	0.007	0.16	0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
VNL008 03+50E	Soil	9	7	0.24	157	0.039	<20	0.91	0.006	0.14	<0.1	0.02	1.4	0.1	<0.05	3	<0.5	<0.2
VNL008 04+00E	Soil	7	8	0.23	227	0.048	<20	1.61	0.014	0.12	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
VNL008 04+50E	Soil	8	7	0.20	226	0.052	<20	1.65	0.017	0.11	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
VNL008 05+00E	Soil	11	7	0.22	253	0.030	<20	0.94	0.006	0.11	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
VNL008 05+50E	Soil	8	7	0.20	287	0.072	<20	2.09	0.014	0.11	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
VNL008 06+00E	Soil	14	9	0.25	275	0.070	<20	2.02	0.012	0.13	0.1	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
VNL008 06+50E	Soil	12	8	0.22	139	0.048	<20	1.16	0.009	0.15	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
VNL008 07+00E	Soil	8	9	0.22	380	0.048	<20	1.52	0.011	0.12	<0.1	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
VNL008 07+50E	Soil	25	18	0.47	166	0.050	<20	2.31	0.004	0.10	<0.1	0.04	2.6	0.2	<0.05	6	<0.5	<0.2
VNL008 08+00E	Soil	20	14	0.39	378	0.069	<20	2.26	0.008	0.15	0.1	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
VNL008 08+50E	Soil	9	11	0.32	65	0.032	<20	0.72	0.005	0.13	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
VNL008 09+00E	Soil	8	15	0.48	124	0.071	<20	1.83	0.012	0.17	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2

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Project: VN2012-001
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QUALITY CONTROL REPORT VAN12002231.1

Method		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
VNL001 01+50E	Soil	<2	0.4	16.8	9.8	215	0.1	17.9	8.0	1133	1.60	6.0	<0.5	3.2	23	0.3	0.2	0.2	14	0.34	0.087
REP VNL001 01+50E	QC		0.4	17.2	10.4	212	0.1	19.2	8.5	1178	1.64	6.0	<0.5	3.2	23	0.5	0.2	0.2	15	0.34	0.087
VNL001 03+75E	Soil	<2	0.3	22.5	15.3	90	<0.1	17.9	8.8	294	2.06	5.3	<0.5	4.9	22	<0.1	0.1	0.2	25	0.17	0.060
REP VNL001 03+75E	QC	<2																			
VNL002 05+50E	Soil	<2	0.3	10.7	10.8	137	<0.1	20.2	5.1	902	1.19	5.1	<0.5	2.1	37	0.1	<0.1	0.1	12	0.26	0.139
REP VNL002 05+50E	QC	<2																			
VNL002 06+75E	Soil	<2	0.6	10.5	10.9	68	0.1	17.1	6.3	667	1.33	5.6	<0.5	2.5	23	<0.1	0.1	0.1	16	0.19	0.051
REP VNL002 06+75E	QC		0.6	10.6	11.0	68	0.1	17.7	6.5	689	1.35	5.7	<0.5	2.4	24	0.1	<0.1	0.2	17	0.19	0.052
VNL003 05+00E	Soil	<2	0.3	9.1	13.8	99	<0.1	15.0	6.0	301	1.50	4.7	1.2	4.5	15	<0.1	0.1	0.1	15	0.13	0.028
REP VNL003 05+00E	QC	<2																			
VNL003 06+50E	Soil	<2	0.2	6.3	10.9	74	<0.1	9.5	3.9	252	1.16	2.4	<0.5	2.8	12	<0.1	<0.1	0.1	13	0.13	0.019
REP VNL003 06+50E	QC		0.2	6.4	10.6	75	<0.1	9.6	3.9	261	1.21	2.4	<0.5	2.6	12	<0.1	0.1	0.1	13	0.12	0.020
VNL004 03+50E	Soil	<2	0.4	10.0	13.9	91	<0.1	14.8	5.9	262	1.48	5.2	0.8	3.7	16	<0.1	0.1	0.1	17	0.15	0.019
REP VNL004 03+50E	QC	<2																			
VNL004 05+25E	Soil	<2	0.6	20.2	13.1	113	0.2	19.6	5.6	292	1.49	7.2	0.9	3.2	25	0.2	<0.1	0.1	19	0.26	0.065
REP VNL004 05+25E	QC		0.5	20.8	13.9	115	0.2	20.3	6.1	300	1.53	7.2	0.6	3.4	26	0.1	0.1	0.1	20	0.28	0.068
VNL004 08+50E	Soil	<2	0.4	9.7	16.5	111	<0.1	14.4	5.8	487	1.45	4.5	<0.5	3.2	13	<0.1	0.1	0.1	16	0.13	0.062
REP VNL004 08+50E	QC	4																			
VNL005 04+00E	Soil	<2	0.4	13.4	18.1	171	0.1	20.6	6.9	474	1.49	9.1	<0.5	3.2	21	0.1	0.1	0.2	17	0.18	0.099
REP VNL005 04+00E	QC	<2																			
VNL005 08+00E	Soil	<2	0.2	5.2	8.0	78	<0.1	8.1	3.2	186	0.94	1.6	<0.5	1.8	12	<0.1	<0.1	<0.1	11	0.13	0.031
REP VNL005 08+00E	QC		0.2	5.3	8.3	80	<0.1	7.7	3.3	188	0.93	1.6	<0.5	1.8	12	<0.1	<0.1	0.1	11	0.13	0.032
VNL007 02+00E	Soil	<2	0.4	8.1	10.3	92	<0.1	13.1	5.3	364	1.17	4.5	<0.5	2.3	21	0.1	<0.1	0.1	14	0.20	0.077
REP VNL007 02+00E	QC	<2																			
VNL007 06+50E	Soil	<2	0.2	9.1	13.0	87	<0.1	10.6	4.5	477	1.09	3.7	<0.5	2.8	21	<0.1	0.1	0.1	14	0.22	0.069
REP VNL007 06+50E	QC		0.3	9.2	13.1	87	<0.1	10.0	4.4	458	1.11	3.5	0.8	2.9	21	<0.1	<0.1	0.2	14	0.22	0.071
VNL008 05+00E	Soil	9	0.6	6.3	12.7	110	0.1	7.9	4.0	1073	0.95	2.6	<0.5	1.0	22	0.2	<0.1	0.1	11	0.16	0.028
REP VNL008 05+00E	QC	<2																			

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Project: VN2012-001
Report Date: May 23, 2012

QUALITY CONTROL REPORT VAN12002231.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
VNL001 01+50E	Soil	13	7	0.22	240	0.075	<20	2.06	0.025	0.13	<0.1	0.03	2.5	0.1	<0.05	4	<0.5	<0.2
REP VNL001 01+50E	QC	13	8	0.22	245	0.076	<20	2.09	0.026	0.13	<0.1	0.04	2.4	0.2	<0.05	4	<0.5	<0.2
VNL001 03+75E	Soil	16	13	0.49	320	0.095	<20	2.84	0.018	0.16	0.1	0.01	3.8	0.2	<0.05	7	<0.5	<0.2
REP VNL001 03+75E	QC																	
VNL002 05+50E	Soil	12	6	0.20	342	0.064	<20	1.82	0.019	0.14	<0.1	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2
REP VNL002 05+50E	QC																	
VNL002 06+75E	Soil	8	7	0.23	247	0.071	<20	2.23	0.019	0.14	<0.1	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
REP VNL002 06+75E	QC	8	8	0.24	245	0.072	<20	2.27	0.019	0.15	<0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
VNL003 05+00E	Soil	14	10	0.30	160	0.055	<20	1.50	0.009	0.18	<0.1	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
REP VNL003 05+00E	QC																	
VNL003 06+50E	Soil	11	8	0.30	121	0.046	<20	1.12	0.006	0.17	<0.1	0.02	1.6	0.2	<0.05	3	<0.5	<0.2
REP VNL003 06+50E	QC	10	8	0.29	117	0.046	<20	1.11	0.006	0.16	<0.1	0.01	1.6	0.2	<0.05	3	<0.5	<0.2
VNL004 03+50E	Soil	10	9	0.30	227	0.067	<20	1.89	0.015	0.15	<0.1	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
REP VNL004 03+50E	QC																	
VNL004 05+25E	Soil	22	8	0.21	162	0.093	<20	2.80	0.027	0.11	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
REP VNL004 05+25E	QC	22	8	0.22	170	0.096	<20	2.87	0.027	0.12	0.1	0.04	3.1	0.2	<0.05	7	<0.5	<0.2
VNL004 08+50E	Soil	11	10	0.31	227	0.054	<20	1.66	0.012	0.14	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
REP VNL004 08+50E	QC																	
VNL005 04+00E	Soil	13	9	0.29	205	0.079	<20	2.19	0.019	0.12	<0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
REP VNL005 04+00E	QC																	
VNL005 08+00E	Soil	7	7	0.22	123	0.040	<20	1.09	0.009	0.14	<0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
REP VNL005 08+00E	QC	7	7	0.22	127	0.041	<20	1.10	0.010	0.13	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
VNL007 02+00E	Soil	10	8	0.25	186	0.062	<20	1.82	0.016	0.14	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
REP VNL007 02+00E	QC																	
VNL007 06+50E	Soil	10	8	0.24	220	0.044	<20	1.20	0.009	0.10	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
REP VNL007 06+50E	QC	10	8	0.25	218	0.043	<20	1.23	0.009	0.10	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
VNL008 05+00E	Soil	11	7	0.22	253	0.030	<20	0.94	0.006	0.11	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
REP VNL008 05+00E	QC																	

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Project: VN2012-001
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QUALITY CONTROL REPORT VAN12002231.1

		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
VNL008 07+00E	Soil	<2	0.7	11.9	19.6	236	0.1	11.6	5.8	2014	1.22	5.4	<0.5	1.0	35	0.3	0.2	0.2	16	0.37	0.075
REP VNL008 07+00E	QC		0.7	11.8	18.9	231	<0.1	12.1	6.2	1999	1.24	5.1	<0.5	1.1	34	0.3	0.2	0.2	16	0.37	0.073
Reference Materials																					
STD DS9	Standard		12.5	103.5	123.2	312	1.7	37.0	7.1	532	2.18	25.3	116.4	5.6	62	2.2	4.5	5.3	37	0.64	0.076
STD DS9	Standard		13.9	102.3	129.1	303	1.7	37.6	7.1	534	2.20	24.9	139.6	5.7	63	2.2	4.6	5.5	39	0.66	0.076
STD DS9	Standard		12.8	101.9	122.5	305	1.9	37.9	7.1	532	2.15	23.6	101.8	5.7	61	2.3	4.4	5.4	38	0.64	0.074
STD DS9	Standard		11.5	100.2	118.6	283	1.7	36.6	7.0	499	2.07	22.1	102.9	5.9	58	2.0	4.3	5.3	37	0.60	0.071
STD DS9	Standard		12.9	106.9	123.5	310	1.8	37.3	7.2	541	2.26	22.5	123.4	6.1	65	2.3	4.3	5.4	39	0.66	0.074
STD DS9	Standard		11.4	102.5	123.6	302	1.7	37.0	6.9	528	2.14	23.9	106.5	5.7	60	1.9	4.1	5.4	38	0.62	0.075
STD DS9	Standard		13.9	112.4	126.3	327	1.9	39.9	7.7	575	2.32	25.0	103.6	5.8	71	2.4	4.7	6.3	42	0.70	0.081
STD OREAS45CA	Standard		0.8	462.4	19.4	58	0.2	226.2	84.5	840	14.90	3.9	50.3	6.4	13	0.1	<0.1	0.1	192	0.38	0.036
STD OREAS45CA	Standard		0.9	451.6	18.8	56	0.2	221.3	83.7	842	14.57	3.5	35.1	6.3	13	<0.1	<0.1	0.1	197	0.38	0.035
STD OREAS45CA	Standard		0.8	461.4	18.4	56	0.2	220.1	83.8	858	14.90	3.6	38.8	6.3	13	<0.1	0.1	0.1	199	0.40	0.036
STD OREAS45CA	Standard		0.7	433.6	17.6	51	0.2	211.3	77.5	804	13.27	3.2	41.9	5.9	11	<0.1	<0.1	0.1	184	0.35	0.033
STD OREAS45CA	Standard		0.9	470.1	19.8	58	0.3	223.4	83.1	838	14.67	3.6	40.6	6.5	13	<0.1	0.1	0.1	191	0.39	0.035
STD OREAS45CA	Standard		0.9	457.4	19.0	55	0.2	222.1	83.5	841	14.45	3.7	40.2	6.3	13	<0.1	0.1	<0.1	196	0.39	0.034
STD OREAS45CA	Standard		1.0	479.3	19.3	60	0.3	232.0	88.6	861	15.38	3.7	42.5	6.7	14	<0.1	0.1	0.1	207	0.42	0.037
STD OXC88	Standard	217																			
STD OXC88	Standard	216																			
STD OXC88	Standard	197																			
STD OXC88	Standard	203																			
STD OXC88	Standard	201																			
STD OXC88	Standard	200																			
STD OXC88	Standard	214																			
STD OXC88	Standard	205																			
STD OXC88	Standard	188																			
STD OXC88	Standard	202																			
STD OXC88	Standard	199																			
STD OXC88	Standard	205																			

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QUALITY CONTROL REPORT VAN12002231.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
VNL008 07+00E	Soil	8	9	0.22	380	0.048	<20	1.52	0.011	0.12	<0.1	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
REP VNL008 07+00E	QC	8	9	0.22	363	0.047	<20	1.44	0.011	0.12	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	108	0.56	318	0.095	<20	0.86	0.079	0.35	2.5	0.21	2.4	5.5	0.05	4	5.4	5.2
STD DS9	Standard	12	114	0.56	307	0.097	<20	0.86	0.080	0.36	2.5	0.18	2.4	5.4	0.09	4	5.0	5.1
STD DS9	Standard	12	111	0.56	297	0.093	<20	0.85	0.078	0.37	2.7	0.21	2.3	5.2	0.09	4	4.7	4.6
STD DS9	Standard	12	109	0.54	298	0.091	<20	0.81	0.071	0.33	2.7	0.18	2.2	4.9	0.07	4	4.8	4.1
STD DS9	Standard	13	113	0.58	307	0.100	<20	0.89	0.080	0.36	2.9	0.22	2.5	5.2	0.12	5	4.8	5.5
STD DS9	Standard	12	114	0.56	304	0.094	<20	0.86	0.075	0.36	2.7	0.28	2.2	5.2	0.09	4	4.8	4.9
STD DS9	Standard	13	119	0.62	312	0.107	<20	0.94	0.082	0.38	2.9	0.17	2.3	5.4	0.16	4	5.9	5.2
STD OREAS45CA	Standard	15	694	0.14	150	0.113	<20	3.40	0.014	0.07	<0.1	0.01	41.1	0.1	<0.05	18	0.6	<0.2
STD OREAS45CA	Standard	15	700	0.13	148	0.109	<20	3.21	0.012	0.07	<0.1	0.01	40.1	0.1	<0.05	17	1.0	<0.2
STD OREAS45CA	Standard	15	717	0.13	150	0.115	<20	3.20	0.013	0.07	<0.1	0.02	40.9	0.1	<0.05	17	0.7	<0.2
STD OREAS45CA	Standard	14	665	0.12	137	0.109	<20	2.92	0.012	0.06	<0.1	0.02	38.0	<0.1	<0.05	16	0.6	<0.2
STD OREAS45CA	Standard	16	713	0.14	151	0.114	<20	3.39	0.012	0.06	<0.1	0.01	40.8	0.1	<0.05	17	<0.5	<0.2
STD OREAS45CA	Standard	15	704	0.14	151	0.111	<20	3.22	0.012	0.06	<0.1	0.03	39.8	<0.1	<0.05	17	<0.5	<0.2
STD OREAS45CA	Standard	15	676	0.13	150	0.128	<20	3.47	0.011	0.07	<0.1	0.03	41.3	<0.1	<0.05	18	0.5	<0.2
STD OXC88	Standard																	
STD OXC88	Standard																	
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		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OXC88	Standard	196																			
STD OXC88	Standard	214																			
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385
STD DS9 Expected			12.74	104	126	322	1.69	39.5	7.6	586	2.37	27	102	7.15	76.1	2.3	4.84	6.78	40	0.776	0.0844
STD OXC88 Expected		203																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			

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		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OREAS45CA Expected		15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
STD DS9 Expected		15.7	119	0.6437	308	0.1239		0.9915	0.0905	0.3874	3	0.225	2.8	5.48	0.1737	4.84	5.4	5
STD OXC88 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
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BLK	Blank																	
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BLK	Blank																	
BLK	Blank																	

Appendix VI – Field Geochemistry

6.1 – Soil Sample Locations and Descriptions
6.2 - Rock Sample Locations and Descriptions

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
VNL001 00+00	JS	5/10/2012	586018	5473402	Brown	beige	0 - 20	15	B	4	LINE_START	
VNL001 00+25E	JS	5/10/2012	586039.04	5473395.81	Brown	NA	0 - 20	15	B	4	BELOW_ROAD	N/A
VNL001 00+50E	JS	5/10/2012	586061.04	5473389.56	brown	orange	0 - 20	15	B	3	N/A	N/A
VNL001 00+75E	JS	5/10/2012	586083.04	5473383.31	brown	orange	0 - 20	15	B	4	N/A	N/A
VNL001 01+00E	JS	5/10/2012	586106	5473377	brown	orange	0 - 20	15	B	4	N/A	N/A
VNL001 01+25E	JS	5/10/2012	586124.54	5473359.56	brown	orange	0 - 20	15	B	3	N/A	N/A
VNL001 01+50E	JS	5/10/2012	586144.04	5473342.06	brown	orange	0 - 20	15	B	3	N/A	N/A
VNL001 01+75E	JS	5/10/2012	586163.54	5473324.56	brown	orange	0 - 20	15	B	4	N/A	N/A
VNL001 02+00E	JS	5/10/2012	586183.04	5473307.06	brown	orange	0 - 20	15	B	4	ABOVE_ROAD	N/A
VNL001 02+25E	JS	5/10/2012	586202.54	5473289.56	brown	orange	0 - 20	15	B	4	N/A	N/A
VNL001 02+50E	JS	5/10/2012	586222.04	5473272.06	brown	orange	0 - 20	25	B	3	ABOVE_ROAD	N/A
VNL001 02+75E	JS	5/10/2012	586241.54	5473254.56	dark	brown	0 - 20	35	B	3	ORGANIC	N/A
VNL001 03+00E	JS	5/10/2012	586262	5473237	dark	brown	0 - 20	25	B	4	N/A	N/A
VNL001 03+25E	JS	5/10/2012	586284.79	5473223.81	brown	brown	0 - 20	15	B	3	STUMP_SAMPLE	N/A
VNL001 03+50E	JS	5/10/2012	586308.54	5473210.56	brown	brown	0 - 20	15	B	4	N/A	N/A
VNL001 03+75E	JS	5/10/2012	586332.29	5473197.31	brown	brown	0 - 20	15	B	4	STUMP_SAMPLE	N/A
VNL001 04+00E	JS	5/10/2012	586357	5473184	brown	brown	0 - 20	15	B	3	STUMP_SAMPLE	N/A
VNL001 04+25E	JS	5/10/2012	586382.79	5473166.31	brown	brown	0 - 20	35	B	4	N/A	N/A
VNL001 04+50E	JS	5/10/2012	586409.54	5473148.56	brown	brown	0 - 20	25	B	3	N/A	N/A
VNL001 04+75E	JS	5/10/2012	586436.29	5473130.81	brown	brown	0 - 20	25	B	3	N/A	N/A
VNL001 05+00E	JS	5/10/2012	586463.04	5473113.06	brown	beige	20 - 40	25	B	3	TOP OF CLIFF	BASE OF CLIFF
VNL001 05+25E	JS	5/10/2012	586484.29	5473096.06	brown	brown	0 - 20	25	B	3	TOP OF CLIFF	N/A
VNL001 05+50E	JS	5/10/2012	586505.54	5473079.06	brown	brown	0 - 20	25	B	3	N/A	N/A
VNL001 05+75E	JS	5/10/2012	586526.79	5473062.06	brown	brown	0 - 20	15	B	3	N/A	N/A
VNL001 06+00E	JS	5/10/2012	586548.04	5473045.06	brown	brown	0 - 20	15	B	3	N/A	N/A
VNL001 06+25E	JS	5/10/2012	586571.54	5473029.06	brown	brown	0 - 20	25	B	3	N/A	N/A

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Colour - 1	Colour - 2	Slope - Degrees	Depth (cm)	Soil Horizon	Quality (1-5)	Note - 1	Note - 2
VNL001 06+50E	JS	5/10/2012	586595.04	5473013.06	brown	brown	0 - 20	15	B	3	N/A	N/A
VNL001 06+75E	JS	5/10/2012	586618.54	5472997.06	brown	brown	20 - 40	25	B	3	N/A	N/A
VNL001 07+00E	JS	5/10/2012	586642.04	5472981.06	brown	brown	20 - 40	25	B	2	ROCKY	N/A
VNL002 00+00	RY	1/25/2005	586165.04	5473601.06	brown	orange	0 - 20	15	B	3	LINE_START	N/A
VNL002 00+25E	RY	1/25/2005	586185.54	5473591.06	brown	orange	0 - 20	15	B	3	ROCKY	ORGANIC
VNL002 00+50E	RY	1/25/2005	586206.04	5473581.06	brown	orange	0 - 20	15	B	3	ROCKY	N/A
VNL002 00+75E	RY	1/25/2005	586226.54	5473571.06	brown	orange	0 - 20	15	B	3	ROCKY	N/A
VNL002 01+00E	RY	1/25/2005	586247.04	5473561.06	brown	red	0 - 20	15	B	4	ROCKY	N/A
VNL002 01+25E	RY	1/25/2005	586271.29	5473545.06	brown	dark	0 - 20	15	B	3	N/A	N/A
VNL002 01+50E	RY	1/25/2005	586295.54	5473529.06	brown	dark	0 - 20	15	B	3	N/A	N/A
VNL002 01+75E	RY	1/25/2005	586319.79	5473513.06	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL002 02+00E	RY	1/25/2005	586344.04	5473497.06	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL002 02+25E	RY	1/25/2005	586366.04	5473485.06	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL002 02+50E	RY	1/25/2005	586388.04	5473473.06	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL002 02+75E	RY	1/25/2005	586410.04	5473461.06	brown	rusty	0 - 20	15	B	5	N/A	N/A
VNL002 03+00E	RY	1/25/2005	586432.04	5473449.06	brown	rusty	20 - 40	15	B	4	N/A	N/A
VNL002 03+25E	RY	1/25/2005	586454.04	5473437.06	brown	red	0 - 20	15	B	3	N/A	N/A
VNL002 03+50E	RY	1/25/2005	586476.04	5473425.06	brown	red	0 - 20	15	B	4	N/A	N/A
VNL002 03+75E	RY	1/25/2005	586498.04	5473413.06	brown	grey	0 - 20	15	B	4	N/A	N/A
VNL002 04+00E	RY	1/25/2005	586520.04	5473401.06	brown	orange	0 - 20	15	B	4	N/A	N/A
VNL002 04+25E	RY	1/25/2005	586543.54	5473389.06	brown	orange	0 - 20	15	B	4	N/A	N/A
VNL002 04+50E	RY	1/25/2005	586567.04	5473377.06	brown	grey	0 - 20	15	B	4	N/A	N/A
VNL002 04+75E	RY	1/25/2005	586590.54	5473365.06	brown	orange	0 - 20	15	B	3	N/A	N/A
VNL002 05+00E	RY	1/25/2005	586614.04	5473353.06	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 05+25E	RY	1/25/2005	586638.04	5473340.31	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 05+50E	RY	1/25/2005	586662.04	5473327.56	brown	orange	0 - 20	15	B	3	ORGANIC	N/A

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Colour - 1	Colour - 2	Slope - Degrees	Depth (cm)	Soil Horizon	Quality (1-5)	Note - 1	Note - 2
VNL002 05+75E	RY	1/25/2005	586686.04	5473314.81	brown	orange	0 - 20	15	B	3	ORGANIC	N/A
VNL002 06+00E	RY	1/25/2005	586710.04	5473302.06	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 06+25E	RY	1/25/2005	586734.44	5473290.46	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 06+50E	RY	1/25/2005	586758.84	5473278.86	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 06+75E	RY	1/25/2005	586783.24	5473267.26	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 07+00E	RY	1/25/2005	586807.64	5473255.66	brown	orange	0 - 20	15	B	5	ORGANIC	N/A
VNL002 07+25E	RY	1/25/2005	586832.04	5473244.06	brown	orange	0 - 20	15	B	4	ORGANIC	N/A
VNL002 07+50E	RY	1/25/2005	586856.61	5473232.63	brown	orange	0 - 20	15	B	1	ORGANIC	N/A
VNL002 07+75E	RY	1/25/2005	586881.18	5473221.2	brown	orange	0 - 20	15	B	3	ORGANIC	N/A
VNL002 08+00E	RY	1/25/2005	586905.75	5473209.77	brown	rusty	0 - 20	15	B	3	ORGANIC	N/A
VNL002 08+25E	RY	1/25/2005	586930.32	5473198.34	brown	orange	0 - 20	15	B	3	ORGANIC	N/A
VNL002 08+50E	RY	1/25/2005	586954.89	5473186.91	brown	orange	0 - 20	15	B	3	ORGANIC	N/A
VNL002 08+75E	RY	1/25/2005	586979.46	5473175.49	brown	orange	0 - 20	15	B	3	ORGANIC	N/A
VNL002 09+00E	RY	1/25/2005	587004.03	5473164.06	brown	orange	0 - 20	15	B	3	ORGANIC	N/A
VNL003 00+00	AU	5/10/2012	586302.04	5473808.06	Brown	NA	0 - 20	15	B	3	LINE_START	ROCKY
VNL003 00+25E	AU	5/10/2012	586320.29	5473795.31	Brown	NA	0 - 20	15	B	4	ORGANIC	IN_CLEARCUT
VNL003 00+50E	AU	5/10/2012	586338.54	5473782.56	Brown	NA	0 - 20	15	B	3	ORGANIC	IN_CLEARCUT
VNL003 00+75E	AU	5/10/2012	586356.79	5473769.81	Brown	NA	0 - 20	15	B	4	ROCKY	IN_CLEARCUT
VNL003 01+00E	AU	5/10/2012	586375.04	5473757.06	Brown	NA	0 - 20	15	B	3	ROCKY	IN_CLEARCUT
VNL003 01+25E	AU	5/10/2012	586396.79	5473742.81	Brown	NA	0 - 20	15	B	2	ROCKY	IN_CLEARCUT
VNL003 01+50E	AU	5/10/2012	586418.54	5473728.56	Brown	NA	0 - 20	15	B	3	ORGANIC	IN_CLEARCUT
VNL003 01+75E	AU	5/10/2012	586440.29	5473714.31	Brown	NA	0 - 20	15	B	4	ROCKY	IN_CLEARCUT
VNL003 02+00E	AU	5/10/2012	586462.04	5473700.06	Brown	NA	0 - 20	15	B	4	ROCKY	IN_CLEARCUT
VNL003 02+25E	AU	5/10/2012	586483.16	5473685.43	Brown	NA	0 - 20	15	B	4	ROCKY	IN_CLEARCUT
VNL003 02+50E	AU	5/10/2012	586504.29	5473670.81	Brown	NA	0 - 20	15	B	4	ORGANIC	IN_CLEARCUT
VNL003 02+75E	AU	5/10/2012	586525.41	5473656.18	Brown	NA	0 - 20	15	B	3	ORGANIC	IN_CLEARCUT

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
VNL003 03+00E	AU	5/10/2012	586546.54	5473641.56	Brown	NA	0 - 20	15	B	4	ORGANIC	IN_CLEARCUT
VNL003 03+25E	AU	5/10/2012	586567.66	5473626.93	Brown	NA	0 - 20	15	B	3	ORGANIC	ROCKY
VNL003 03+50E	AU	5/10/2012	586588.79	5473612.31	Brown	NA	0 - 20	15	B	4	N/A	ROCKY
VNL003 03+75E	AU	5/10/2012	586609.91	5473597.68	Brown	NA	0 - 20	15	B	4	N/A	ORGANIC
VNL003 04+00E	AU	5/10/2012	586631.04	5473583.06	Brown	NA	0 - 20	15	B	2	ROCKY	ORGANIC
VNL003 04+25E	AU	5/10/2012	586649.79	5473570.81	Brown	NA	0 - 20	15	B	4	ROCKY	N/A
VNL003 04+50E	AU	5/10/2012	586668.54	5473558.56	Brown	NA	0 - 20	15	B	3	ROCKY	ORGANIC
VNL003 04+75E	AU	5/10/2012	586687.29	5473546.31	Brown	rusty	0 - 20	15	B	4	ROCKY	N/A
VNL003 05+00E	AU	5/10/2012	586706.04	5473534.06	Brown	NA	0 - 20	15	B	4	ROCKY	N/A
VNL003 05+25E	AU	5/10/2012	586727.54	5473520.31	Brown	NA	0 - 20	15	B	4	ORGANIC	N/A
VNL003 05+50E	AU	5/10/2012	586749.04	5473506.56	Brown	NA	0 - 20	15	B	4	ORGANIC	N/A
VNL003 05+75E	AU	5/10/2012	586770.54	5473492.81	Brown	NA	0 - 20	15	B	3	ORGANIC	N/A
VNL003 06+00E	AU	5/10/2012	586792.04	5473479.06	Brown	NA	0 - 20	15	B	4	ORGANIC	N/A
VNL003 06+25E	AU	5/10/2012	586813.54	5473464.56	Brown	rusty	0 - 20	15	B	4	ORGANIC	N/A
VNL003 06+50E	AU	5/10/2012	586835.03	5473450.06	Brown	NA	0 - 20	25	B	4	ORGANIC	N/A
VNL003 06+75E	AU	5/10/2012	586856.53	5473435.56	Brown	rusty	0 - 20	15	B	4	ORGANIC	ROCKY
VNL003 07+00E	AU	5/10/2012	586878.03	5473421.06	Brown	dark	0 - 20	15	B	4	ORGANIC	ROCKY
VNL003 07+25E	AU	5/10/2012	586898.78	5473405.81	Brown	NA	0 - 20	15	B	4	ORGANIC	IN_CLEARCUT
VNL003 07+50E	AU	5/10/2012	586919.53	5473390.56	Brown	NA	0 - 20	15	B	4	ROCKY	IN_CLEARCUT
VNL003 07+75E	AU	5/10/2012	586940.28	5473375.31	Brown	NA	20 - 40	25	B	4	ROCKY	IN_CLEARCUT
VNL003 08+00E	AU	5/10/2012	586961.03	5473360.06	Brown	beige	0 - 20	25	B	4	ROCKY	IN_CLEARCUT
VNL003 08+25E	AU	5/10/2012	586983.03	5473347.31	Brown	NA	0 - 20	25	B	4	ROCKY	IN_CLEARCUT
VNL003 08+50E	AU	5/10/2012	587005.03	5473334.56	Brown	NA	20 - 40	25	B	3	ROCKY	IN_CLEARCUT
VNL003 08+75E	AU	5/10/2012	587027.03	5473321.81	Brown	NA	0 - 20	15	B	4	ROCKY	IN_CLEARCUT
VNL003 09+00E	AU	5/10/2012	587049.03	5473309.06	Brown	NA	0 - 20	15	B	4	ROCKY	ORGANIC
VNL003 09+25E	AU	5/10/2012	587068.78	5473294.31	Brown	NA	0 - 20	15	B	4	ROCKY	ORGANIC

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Colour - 1	Colour - 2	Slope - Degrees	Depth (cm)	Soil Horizon	Quality (1-5)	Note - 1	Note - 2
VNL003 09+50E	AU	5/10/2012	587088.53	5473279.56	Brown	NA	0 - 20	25	B	4	ROCKY	ORGANIC
VNL003 09+75E	AU	5/10/2012	587108.28	5473264.81	Brown	light	0 - 20	25	B	4	ROCKY	ORGANIC
VNL003 10+00E	AU	5/10/2012	587128.03	5473250.06	Brown	light	0 - 20	25	B	4	ROCKY	LINE_END
VNL004 00+00	BF	5/10/2012	586437.04	5474000.06								
VNL004 00+25E	BF	5/10/2012	586457.49	5473986.83								
VNL004 00+50E	BF	5/10/2012	586477.94	5473973.61								
VNL004 00+75E	BF	5/10/2012	586498.39	5473960.38								
VNL004 01+00E	BF	5/10/2012	586518.84	5473947.16								
VNL004 01+25E	BF	5/10/2012	586539.29	5473933.93								
VNL004 01+50E	BF	5/10/2012	586559.74	5473920.71								
VNL004 01+75E	BF	5/10/2012	586580.19	5473907.48								
VNL004 02+00E	BF	5/10/2012	586600.64	5473894.26								
VNL004 02+25E	BF	5/10/2012	586621.09	5473881.03								
VNL004 02+50E	BF	5/10/2012	586641.54	5473867.81								
VNL004 02+75E	BF	5/10/2012	586661.99	5473854.58								
VNL004 03+00E	BF	5/10/2012	586682.44	5473841.36								
VNL004 03+25E	BF	5/10/2012	586702.89	5473828.13								
VNL004 03+50E	BF	5/10/2012	586723.34	5473814.91								
VNL004 03+75E	BF	5/10/2012	586743.79	5473801.68								
VNL004 04+00E	BF	5/10/2012	586764.24	5473788.46								
VNL004 04+25E	BF	5/10/2012	586784.69	5473775.23								
VNL004 04+50E	BF	5/10/2012	586805.14	5473762.01								
VNL004 04+75E	BF	5/10/2012	586825.58	5473748.78								
VNL004 05+00E	BF	5/10/2012	586846.03	5473735.56								
VNL004 05+25E	BF	5/10/2012	586866.48	5473722.33								
VNL004 05+50E	BF	5/10/2012	586886.93	5473709.11								

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Colour - 1*	*Colour - 2*	*Slope - Degrees*	*Depth (cm)*	*Soil Horizon*	*Quality (1-5)*	*Note - 1*	*Note - 2*
VNL004 05+75E	BF	5/10/2012	586907.38	5473695.88								
VNL004 06+00E	BF	5/10/2012	586927.83	5473682.66								
VNL004 06+25E	BF	5/10/2012	586948.28	5473669.43								
VNL004 06+50E	BF	5/10/2012	586968.73	5473656.21								
VNL004 06+75E	BF	5/10/2012	586989.18	5473642.98								
VNL004 07+00E	BF	5/10/2012	587009.63	5473629.76								
VNL004 07+25E	BF	5/10/2012	587030.08	5473616.53								
VNL004 07+50E	BF	5/10/2012	587050.53	5473603.31								
VNL004 07+75E	BF	5/10/2012	587070.98	5473590.08								
VNL004 08+00E	BF	5/10/2012	587091.43	5473576.86								
VNL004 08+25E	BF	5/10/2012	587111.88	5473563.63								
VNL004 08+50E	BF	5/10/2012	587132.33	5473550.41								
VNL004 08+75E	BF	5/10/2012	587152.78	5473537.18								
VNL004 09+00E	BF	5/10/2012	587173.23	5473523.96								
VNL004 09+25E	BF	5/10/2012	587193.68	5473510.73								
VNL004 09+50E	BF	5/10/2012	587214.13	5473497.51								
VNL004 09+75E	BF	5/10/2012	587234.58	5473484.28								
VNL004 10+00E	BF	5/10/2012	587255.03	5473471.06								
VNL005 00+00	AU	5/11/2012	586584.04	5474220.06	Brown	NA	0 - 20	25	B	3	ORGANIC	LINE_START
VNL005 00+50E	AU	5/11/2012	586623.04	5474193.56	Brown	NA	0 - 20	25	B	4	ROCKY	N/A
VNL005 01+00E	AU	5/11/2012	586662.52	5474167.03	Brown	NA	0 - 20	25	B	4	ORGANIC	N/A
VNL005 01+50E	AU	5/11/2012	586705.54	5474138.56	Brown	NA	0 - 20	25	B	3	ROCKY	N/A
VNL005 02+00E	AU	5/11/2012	586749.04	5474110.06	Brown	rusty	0 - 20	25	B	4	ROCKY	N/A
VNL005 02+50E	AU	5/11/2012	586788.04	5474087.06	Brown	rusty	0 - 20	25	B	4	ROCKY	N/A
VNL005 03+00E	AU	5/11/2012	586827.03	5474064.06	Brown	rusty	0 - 20	25	B	4	ROCKY	N/A
VNL005 03+50E	AU	5/11/2012	586869.03	5474035.06	Brown	rusty	0 - 20	25	B	4	ROCKY	N/A

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Colour - 1	Colour - 2	Slope - Degrees	Depth (cm)	Soil Horizon	Quality (1-5)	Note - 1	Note - 2
VNL005 04+00E	AU	5/11/2012	586911.03	5474006.06	Brown	rusty	0 - 20	25	B	4	ROCKY	ORGANIC
VNL005 04+50E	AU	5/11/2012	586951.03	5473975.56	Brown	NA	0 - 20	25	B	4	ROCKY	ORGANIC
VNL005 05+00E	AU	5/11/2012	586991.03	5473945.06	Brown	NA	0 - 20	25	B	3	ROCKY	ORGANIC
VNL005 05+50E	AU	5/11/2012	587038.03	5473915.56	Brown	NA	0 - 20	25	B	3	ROCKY	ORGANIC
VNL005 06+00E	AU	5/11/2012	587085.03	5473886.06	Brown	NA	0 - 20	25	B	3	ROCKY	ORGANIC
VNL005 06+50E	AU	5/11/2012	587125.53	5473862.56	Brown	NA	0 - 20	25	B	3	ROCKY	ORGANIC
VNL005 07+00E	AU	5/11/2012	587166.03	5473839.06	Brown	NA	0 - 20	25	B	3	ROCKY	ORGANIC
VNL005 07+50E	AU	5/11/2012	587204.03	5473806.56	Brown	rusty	0 - 20	25	B	4	ORGANIC	N/A
VNL005 08+00E	AU	5/10/2012	587242.03	5473774.06	Brown	NA	0 - 20	25	B	4	ORGANIC	IN_CLEARCUT
VNL005 08+25E	AU	5/10/2012	587261.28	5473760.56	Brown	NA	0 - 20	25	B	3	ROCKY	IN_CLEARCUT
VNL005 08+50E	AU	5/10/2012	587280.53	5473747.06	Brown	NA	0 - 20	25	B	4	ROCKY	IN_CLEARCUT
VNL005 08+75E	AU	5/10/2012	587299.78	5473733.56	Brown	NA	0 - 20	25	B	4	ROCKY	IN_CLEARCUT
VNL005 09+00E	AU	5/10/2012	587319.03	5473720.06	Brown	NA	0 - 20	25	B	4	ORGANIC	IN_CLEARCUT
VNL005 09+25E	AU	5/10/2012	587342.28	5473705.31	Brown	NA	0 - 20	25	B	4	ORGANIC	IN_CLEARCUT
VNL005 09+50E	AU	5/10/2012	587365.53	5473690.56	Brown	NA	0 - 20	25	B	4	ROCKY	IN_CLEARCUT
VNL005 09+75E	AU	5/10/2012	587388.78	5473675.81	Brown	NA	0 - 20	25	B	4	ORGANIC	IN_CLEARCUT
VNL005 10+00E	AU	5/10/2012	587412.03	5473661.06	Brown	NA	0 - 20	25	B	4	ROCKY	LINE_START
VNL006 00+00	BF	5/11/2012	586721.04	5474429.06								
VNL006 00+50E	BF	5/11/2012	586760.04	5474399.56								
VNL006 01+00E	BF	5/11/2012	586799.03	5474370.06								
VNL006 01+50E	BF	5/11/2012	586844.03	5474340.06								
VNL006 02+00E	BF	5/11/2012	586889.03	5474310.06								
VNL006 02+50E	BF	5/11/2012	586929.03	5474285.06								
VNL006 03+00E	BF	5/11/2012	586969.03	5474260.06								
VNL006 03+50E	BF	5/11/2012	587009.03	5474235.06								
VNL006 04+00E	BF	5/11/2012	587049.03	5474210.06								

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Colour - 1	Colour - 2	Slope - Degrees	Depth (cm)	Soil Horizon	Quality (1-5)	Note - 1	Note - 2
VNL006 04+50E	BF	5/11/2012	587094.03	5474180.06								
VNL006 05+00E	BF	5/11/2012	587139.03	5474150.06								
VNL006 05+50E	BF	5/11/2012	587179.03	5474125.06								
VNL006 06+00E	BF	5/11/2012	587219.03	5474100.06								
VNL006 06+50E	BF	5/11/2012										
VNL007 00+00	JS	5/11/2012	586863.03	5474635.06	brown	orange	0 - 20	15	B	4	LINE_START	N/A
VNL007 00+50E	JS	5/11/2012	586908.53	5474605.06	brown	beige	0 - 20	15	B	4	ABOVE_ROAD	5M PAST
VNL007 01+00E	JS	5/11/2012	586954.03	5474575.06	brown	beige	0 - 20	15	B	3	N/A	ORGANIC
VNL007 01+50E	JS	5/11/2012	586987.53	5474541.56	tan	beige	0 - 20	15	B	3	N/A	ORGANIC
VNL007 02+00E	JS	5/11/2012	587021.03	5474508.06	brown	tan	0 - 20	15	B	3	ROCKY	N/A
VNL007 02+50E	JS	5/11/2012	587062.53	5474478.06	brown	tan	0 - 20	15	B	3	ROCKY	N/A
VNL007 03+00E	JS	5/11/2012	587104.03	5474448.06	brown	tan	0 - 20	15	B	3	ROCKY	N/A
VNL007 03+50E	JS	5/11/2012	587148.53	5474421.56	brown	tan	0 - 20	15	B	3	ROCKY	N/A
VNL007 04+00E	JS	5/11/2012	587193.03	5474395.06	brown	tan	0 - 20	15	B	3	ROCKY	N/A
VNL007 04+50E	JS	5/11/2012	587235.03	5474371.06	brown	beige	0 - 20	15	B	3	ROCKY	ABOVE_ROAD
VNL007 05+00E	JS	5/11/2012	587277.03	5474347.06	beige	NA	0 - 20	15	B	4	ROCKY	N/A
VNL007 05+50E	JS	5/11/2012	587320.53	5474317.56	brown	NA	0 - 20	15	B	3	ROCKY	N/A
VNL007 06+00E	JS	5/11/2012	587364.03	5474288.06	brown	beige	0 - 20	15	B	3	ROCKY	N/A
VNL007 06+50E	JS	5/11/2012	587406.03	5474271.56	brown	beige	0 - 20	15	B	3	ROCKY	ORGANIC
VNL007 07+00E	JS	5/11/2012	587448.03	5474255.06	brown	beige	0 - 20	15	B	3	ROCKY	ABOVE_ROAD
VNL007 07+50E	JS	5/11/2012	587490.03	5474223.06	brown	beige	0 - 20	15	B	3	ROCKY	ORGANIC
VNL007 08+00E	JS	5/11/2012	587532.03	5474191.06	brown	beige	0 - 20	15	B	3	ROCKY	ORGANIC
VNL007 08+50E	JS	5/11/2012	587566.53	5474163.56	brown	beige	0 - 20	15	B	3	ROCKY	ORGANIC
VNL007 09+00E	JS	5/11/2012	587601.03	5474136.06	brown	beige	0 - 20	15	B	3	ROCKY	ORGANIC
VNL008 00+00	RY	1/24/2005	587044.03	5474816.56	brown	orange	0 - 20	15	B	2	LINE_START	ORGANIC
VNL008 00+50E	RY	1/26/2005	587085.03	5474799.06	brown	rusty	0 - 20	15	B	4	N/A	N/A

Appendix 6.1 - Soil Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Colour - 1	Colour - 2	Slope - Degrees	Depth (cm)	Soil Horizon	Quality (1-5)	Note - 1	Note - 2
VNL008 01+00E	RY	1/26/2005	587128.03	5474778.56	brown	rusty	0 - 20	15	B	4	N/A	N/A
VNL008 01+50E	RY	1/26/2005	587171.03	5474758.06	brown	rusty	0 - 20	15	B	4	N/A	N/A
VNL008 02+00E	RY	1/26/2005	587204.03	5474722.56	brown	rusty	0 - 20	15	B	4	N/A	N/A
VNL008 02+50E	RY	1/26/2005	587237.03	5474687.06	brown	rusty	20 - 40	15	B	4	ROCKY	N/A
VNL008 03+00E	RY	1/26/2005	587279.03	5474661.06	brown	rusty	20 - 40	15	B	3	ROCKY	N/A
VNL008 03+50E	RY	1/26/2005	587321.03	5474635.06	brown	yellow	20 - 40	15	B	3	N/A	N/A
VNL008 04+00E	RY	1/26/2005	587366.03	5474612.56	brown	rusty	20 - 40	15	B	3	N/A	N/A
VNL008 04+50E	RY	1/26/2005	587411.03	5474590.06	brown	rusty	0 - 20	15	B	3	N/A	N/A
VNL008 05+00E	RY	1/26/2005	587457.03	5474554.06	brown	rusty	0 - 20	15	B	3	N/A	N/A
VNL008 05+50E	RY	1/26/2005	587503.03	5474518.06	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL008 06+00E	RY	1/26/2005	587535.53	5474484.06	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL008 06+50E	RY	1/26/2005	587568.03	5474450.06	brown	dark	0 - 20	15	B	3	N/A	N/A
VNL008 07+00E	RY	1/26/2005	587606.95	5474423.95	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL008 07+50E	RY	1/26/2005	587645.88	5474397.85	brown	dark	0 - 20	15	B	4	N/A	N/A
VNL008 08+00E	RY	1/26/2005	587687.32	5474371.21	brown	dark	0 - 20	15	B	3	ROCKY	N/A
VNL008 08+50E	RY	1/26/2005	587728.75	5474344.57	brown	grey	0 - 20	15	B	3	ORGANIC	N/A
VNL008 09+00E	RY	1/26/2005	587003.03	5474834.06								

Appendix 6.2 - Rock Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Channel (m)	Channel (Az)	Rock Type - Major	Rock Type - Minor	Colour - Fresh	Colour - Weathered	Grain Size	Texture	Mineralization - Major	Mineralization - Minor	Mineralization Style	Min. %	Alteration	Alt. Degree	Rock Description
ABVNR001	AB	5/10/2012	585434.55	5472884.9	0.3	205	Contact - Tectonic	Gouge	beige	beige	fine	brecciated				0		0	Vein wall with qz veinlets in v. Alt siltstone(bleaching, fine tourmaline needles, clay,cl,etc)
ABVNR002	AB	5/10/2012	585434.55	5472884.9	0.25	205	Contact - Tectonic	Gouge	beige	beige	fine	brecciated				0		0	Qz vein 30cm very altered (clay, liminite,ser, cl,rc)trace chalcopy, heavy and very weathered
ABVNR003	AB	5/10/2012	585434.55	5472884.9	0.2	295	Contact - Tectonic	Gouge	beige	beige	fine	brecciated				0		0	Very alt siltstone(clay)
ABVNR004	AB	5/11/2012	585694.5	5472732.8	1	20	Gabbro		dark grey	greenish	fine	massive				0		0	
ABVNR005	AB	5/11/2012	585694.5	5472732.8	0.8	20	Gabbro		greenish	greenish	fine	fractured				0		0	
ABVNR006	AB	5/11/2012	585694.5	5472732.8	0.4	20	Gabbro	Siltstone	grey green	brownish	fine	sheared				0		0	
ABVNR007	AB	5/11/2012	585694.5	5472732.8	0.65	20	Siltstone		greyish	rusty						0		0	
ABVNR008	AB	5/11/2012	585694.5	5472732.8	0.75	20	Siltstone		light grey	light grey	fine	sheared				0		0	
ABVNR009	AB	5/11/2012	585694.5	5472732.8	0.6	20	Siltstone		brown	greyish	fine	fractured				0		0	
ABVNR010	AB	5/11/2012	585694.5	5472732.8			Siltstone		greyish	rusty						0		0	
AUVNR002	AU	5/9/2012	585766	5474220			Argillite	Peridotite	grey	dark grey	fine	aphanitic	celestite	celestite	DISSEMINATED		Argillic	2	
BFVNR002	BF	5/9/2012	585759	5474230			SELECT	SELECT	light grey	light	fine	SELECT	SELECT	SELECT			SELECT		
BFVNR003	BF	5/10/2012					SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT			SELECT		missing
CRVNR001	CR	5/10/2012	585055.49	5473214.3			Siltstone		dark grey	grey						0		0	Grey-blue blemishes in milky glassy matrix. 3% submetallic mineral. Hematite? Calcite on hanging wall salvages. 330/88 and 25cm thick.. Massive
JSVNR002	JS	5/9/2012	585763	5474219			Pelite	SELECT	grey	brownish	fine	SELECT	gold	SELECT			SELECT		
LJVNR001	LJ	5/11/2012	585719.7	5472727.2	1	24	Siltstone		greyish	rusty	fine					0		0	1m channel sample across massive sulphide vein. Vein consists of fine grained galena, sphalerite and pyrite.
LJVNR002	LJ	5/11/2012	585719.7	5472727.2	0.2	24	Lamprophyre		greenish	rusty	fine-medium					0		0	20cm cgannel sample across lamprophyre that is on the margin of massive sulphide vein.
LJVNR003	LJ	5/11/2012	585719.7	5472727.2	0.5	24	Siltstone		greyish	rusty	fine					0		0	50cm channel Sample across 3, 2cm wide quartz veins that are sub parrellel to the lamprophyre sampled in ljvn002
LJVNR004	LJ	5/11/2012	585719.7	5472727.2	1.5	24	Siltstone		greyish	rusty	fine					0		0	1.5 m chip sample across argillic alterted siltstone that is in the alteration envelope of tye massive sulphide vein sampled in ljvn001.
MCVNR001	MC	5/11/2012	585700.9	5472750.1	1.2	95	Gabbro		green	grey green	medium	gabbroic				0		0	Beginning of chip
MCVNR002	MC	5/11/2012	585700.9	5472750.1	0.8	100	Siltstone		grey	light grey	fine	equigranular				0		0	
MCVNR003	MC	5/11/2012	585700.9	5472750.1	0.5	108	Siltstone		dark grey	dark grey	fine	fractured				0		0	
MCVNR004	MC	5/11/2012	585700.9	5472750.1	0.2	58	Siltstone		dark grey	rusty	fine	equigranular				0		0	Hw altered gouge siltstone
MCVNR005	MC	5/11/2012	585700.9	5472750.1	0.25	80	Vein		dark grey	white	fine	gouge				0		0	Vein gouge
MCVNR006	MC	5/11/2012	585700.9	5472750.1	1.1	6	Siltstone		dark grey	rusty	fine	equigranular				0		0	True width 70cm
MCVNR007	MC	5/11/2012	585700.9	5472750.1	1	38	Siltstone		dark grey	light grey	fine	equigranular				0		0	100cm true width