

Jual
09-017



Geochemical Report
On The
Val, Jual and RDU Claims

Work Period September 12th to September 19th, 2009

Located In
Dawson Mining District
On
NTS 115-N-09
63° 32' Latitude, 140° 05' Longitude

By
Bernie Kreft

December 7th, 2009

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Location – The Val-Jual Project is located on NTS map sheet 115-N-09, 70 kilometres south of Dawson City, Y.T, in the Dawson Mining District. It is situated on the height of land between Ten Mile Creek and Twenty Mile Creek, both tributaries of the Sixty Mile River. Latitude and longitude of the property is approximately 63°32'N, 140°05'W. Claims comprising the project are listed on the following table.

Claim Name	Grant Numbers	Registered Owner	Expiry Date
Val 1-6	YC07772 to YC07777	Bernard Kreft	2011/08/04 *
Val 8	YC07779	"	"
Val 10	YC07781	"	"
Val 12	YC07783	"	"
Val 14-15	YC07785 to YC07786	"	"
Val 17	YC07788	"	"
Val 19	YC07790	"	"
Jual 30-36	YC07829 to YC07835	Bernard Kreft	2011/08/07 *
Jual 39-40	YC07838 to YC07839	"	"
RDU 183-258	YC93992 to YC94067	Radius Gold Inc.	2011/04/29 *
RDU 279-302	YD07879 to YD07902	"	2010/09/18 **

* pending acceptance of this report by the Dawson Mining Recorder

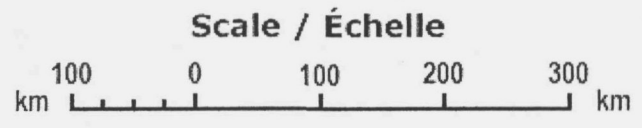
** claim application is pending approval by the Mining Recorder as of the date of this report

Access – Access is most easily achieved by helicopter from Dawson City, with numerous landing sites available at higher elevations and along the placer mined portion of the Ten Mile Creek valley. Fixed wing aircraft can access the Lammers Airstrip, which is located at the mouth of Ten Mile Creek approximately 8.5 kilometres east of the centre of the property. A large river barge suitable for transporting heavy equipment (operated by Stuart Schmidt) can land at the mouth of the Sixtymile River, 7.0 kilometres east of the airstrip. Recent road construction has connected the barge landing to the airstrip and beyond to the network of placer mining roads running along Ten Mile Creek valley. A rough mining road suitable for heavy equipment and ATV travel extends from the Ten Mile Creek placer workings, through the centre of the Val-Jual project, into the Twenty Mile Creek valley. This road provides access to the Jual Zone trenches as well as the Teckphel Zone, and comes within 2.0 kilometres of the core of the Cupid Zone.

Topography And Vegetation – The property lies within the un-glaciated Klondike Plateau, which is characterized by low rolling hills dissected by deeply incised stream valleys. This region experienced strong surficial weathering during the early to mid-Tertiary, as a result, natural bedrock exposures are rare and the effects of surface weathering extend to depths of as much as 80 metres or more. Overburden and regolithic material will likely average 2-3 metres in thickness, necessitating the use of mechanized trenching to efficiently expose bedrock. Permafrost is widespread on north facing slopes and sporadically occurs in other areas. Although snow cover is mostly gone by mid May, frost does not leave the ground sufficiently to allow exploration work such as soil sampling until mid-June at the earliest. The property is below tree line, higher elevations are covered by mixed spruce, birch, poplar and brush, with tree cover

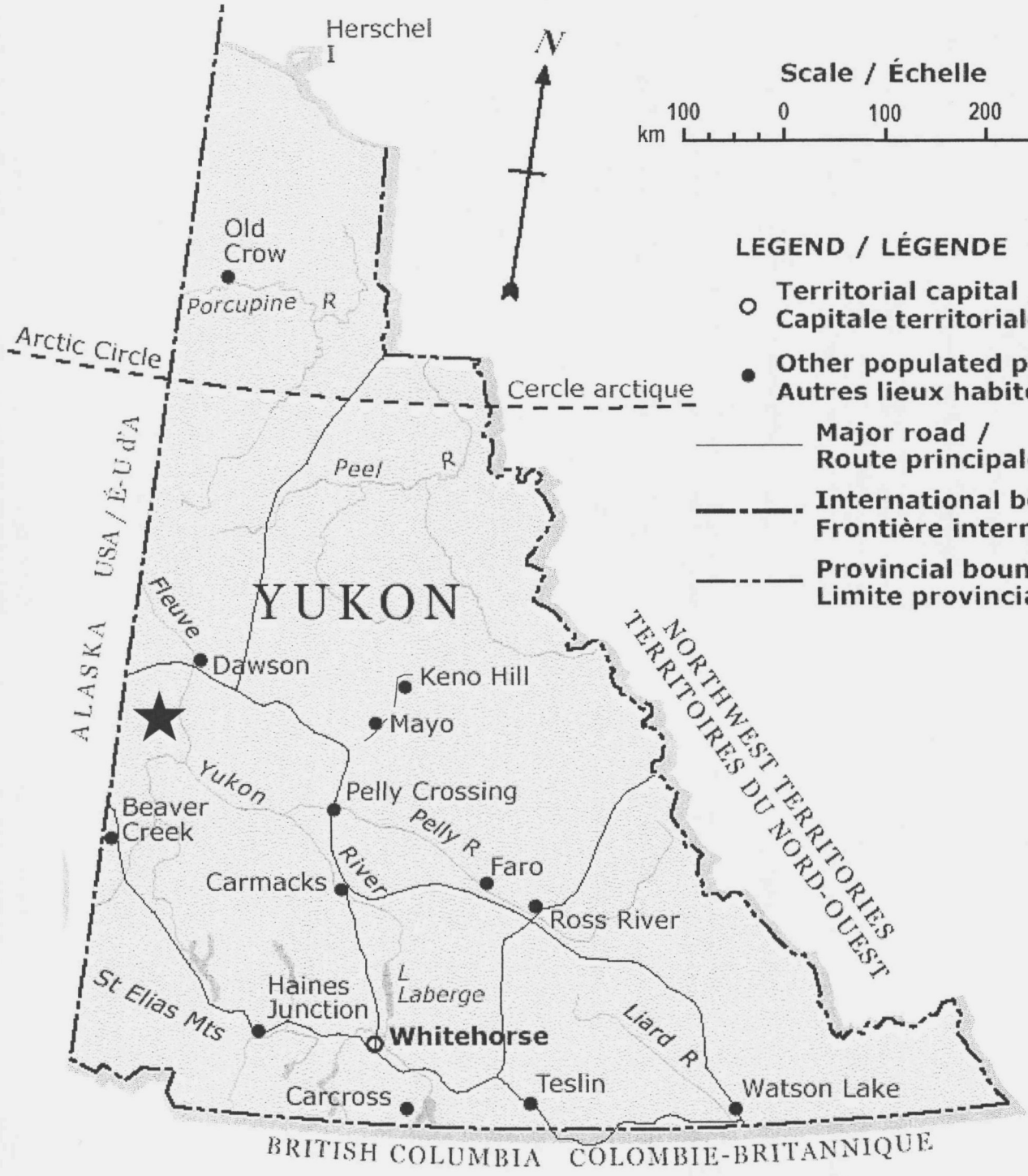
ARCTIC OCEAN
OCÉAN ARCTIQUE

Beaufort Sea
Mer de Beaufort



LEGEND / LÉGENDE

- Territorial capital / Capitale territoriale
- Other populated places / Autres lieux habités
- Major road / Route principale
- - - International boundary / Frontière internationale
- · - · - Provincial boundary / Limite provinciale



Val-Jual Project

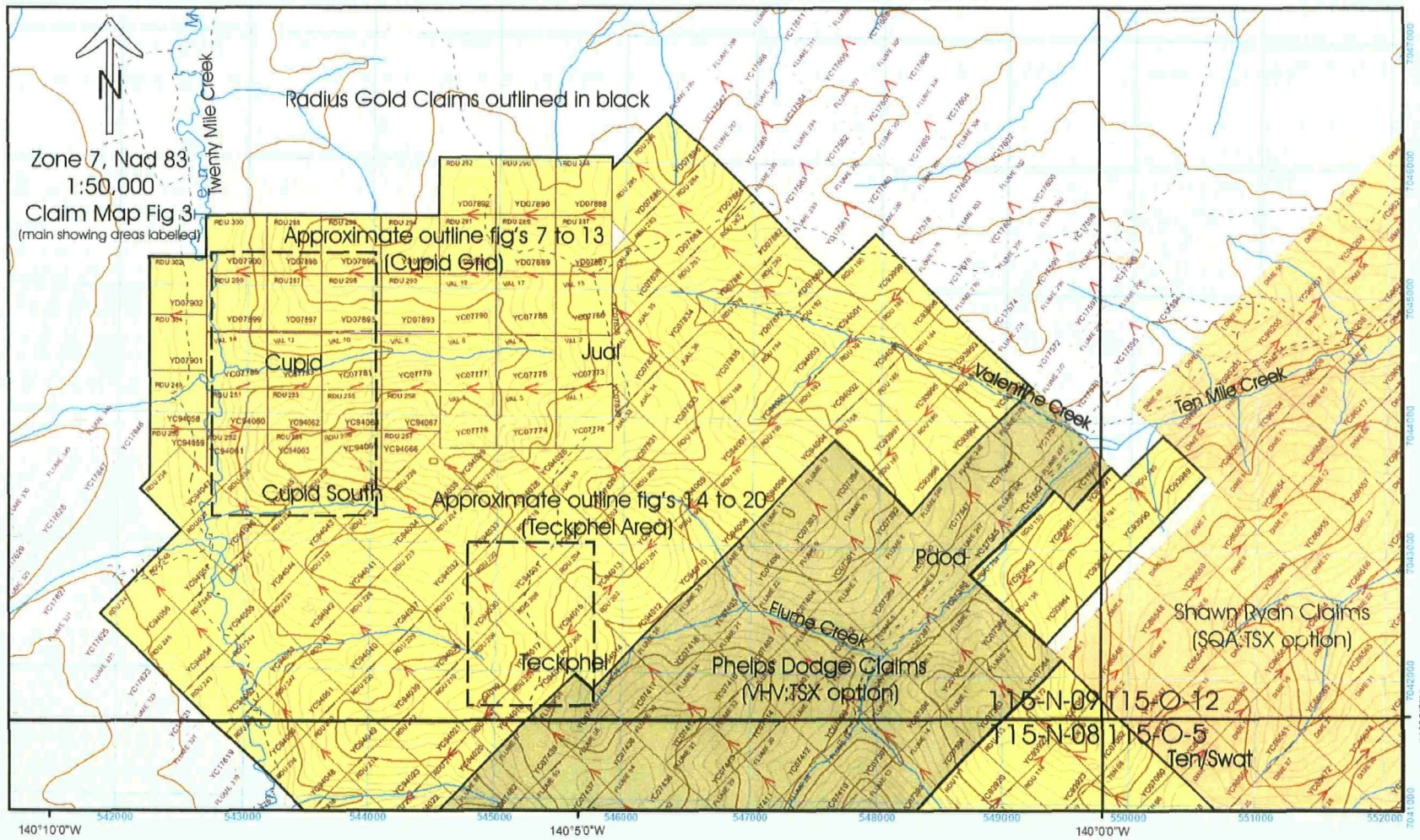


To Accompany: 2009 Val-Jual Report

November 29th, 2009

By: Bernie Kreft

Figure 1



Zone 7, Nad 83
 1:50,000
 Claim Map Fig 3
 (main showing areas labelled)

Radius Gold Claims outlined in black

Approximate outline fig's 7 to 13
 (Cupid Grid)

Cupid

Cupid South

Jud

Approximate outline fig's 14 to 20
 (Teckphel Area)

Teckphel

Padd

Phelps Dodge Claims
 (MHV, TSX option)

Shawn Ryan Claims
 (SQA, TSX option)

15-N-09 15-O-12
 15-N-08 15-O-5
 Ten/Swat

140°10'0"W 140°15'0"W 140°20'0"W 140°25'0"W 140°30'0"W 140°35'0"W 140°40'0"W 140°45'0"W 140°50'0"W 140°55'0"W 140°00'0"W 140°05'0"W 140°10'0"W 140°15'0"W 140°20'0"W 140°25'0"W 140°30'0"W 140°35'0"W 140°40'0"W 140°45'0"W 140°50'0"W 140°55'0"W 140°00'0"W 140°05'0"W 140°10'0"W 140°15'0"W 140°20'0"W 140°25'0"W 140°30'0"W 140°35'0"W 140°40'0"W 140°45'0"W 140°50'0"W 140°55'0"W

generally increasing at lower elevations and on south facing slopes, with brush and stunted trees predominating at higher elevations as well as on north facing slopes and in areas of permafrost or poor drainage.

History And Previous Work – Placer gold mining has been conducted in the Ten Mile Creek drainage basin since 1898, with a total of 31,754 ozs of gold reportedly recovered during the period 1978-2006. Given that gold production records are often incomplete and gold is commonly not reported by the producer, it is likely that the actual amount is much higher. Placer gold generally occurred as small flakes and chunks with some quartz attached, with rare nuggets up to 3.5 ozs in size. Raw gold ranges in purity from 83%-84.5%, which is comparable in purity to gold from Thistle Creek (84%-89%), which is the closest significant placer gold producing creek to the Underworld Project. Given the generally narrow valley and overall small deposit size, the ground is considered rich by placer mining standards, with the most heavily mined section of Ten Mile Creek located between the mouth and left limit tributary Valentine Creek, which drains the east edge of the Jual Zone. Mining of reduced intensity continued upstream from Valentine Creek, past the mouth of Flume Creek (which drains the Teckphel Zone) with the current workings ending at the mouth of a right limit tributary draining the Ten West Zone which is part of the nearby Ten Project. The placer deposit characteristics are suggestive of a locally derived bedrock source(s), with a limited amount of associated sulphide mineralization.

Although there is a long history of placer mining, documented systematic hard-rock exploration did not commence until 1998. That year the Val and Jual claims, and nearby Ten claims were staked by Teck Corporation, and the intervening Flume claims were staked by Phelps Dodge as parts of regional exploration programs designed to explore for Pogo type occurrences in the Yukon. Significant placer gold production from Ten Mile Creek, as well as coincident highly anomalous gold-arsenic RGS stream silt geochemistry in the Ten Mile Creek area helped focus exploration efforts to the area.

Work by Teck Corp during 1998-2001 on the Val-Jual project included prospecting, mapping, stream sediment sampling, grid based and reconnaissance soil sampling and a total of 16 excavator trenches. Although lack of outcrop hampered mapping and prospecting efforts, trench locations were based more on ease of access as opposed to geochemical merit, and soil samples were taken from the B horizon (which in the unglaciated Dawson Range invariably yields low and erratic metal values when compared to sampling within the C horizon), results were very encouraging, and helped partially define 3 main mineralized areas:

Jual Zone: Numerous north-west trending flat to moderately dipping quartz veins and fault zones occur with many values in the 8-16 g/t Au range. Strong north-west trending gold soil anomalies (values to 670 ppb Au) cover a 1400m x 600m area (open to the east and west) coincident with the anomalous rock sample sites. Trenching of lower order soil anomalies, peripheral to the higher results, yielded results of 1.6 g/t Au over 25.0 metres (including 11.1 g/t Au over 3.0 metres), and 1.0 g/t Au over 19.0 metres

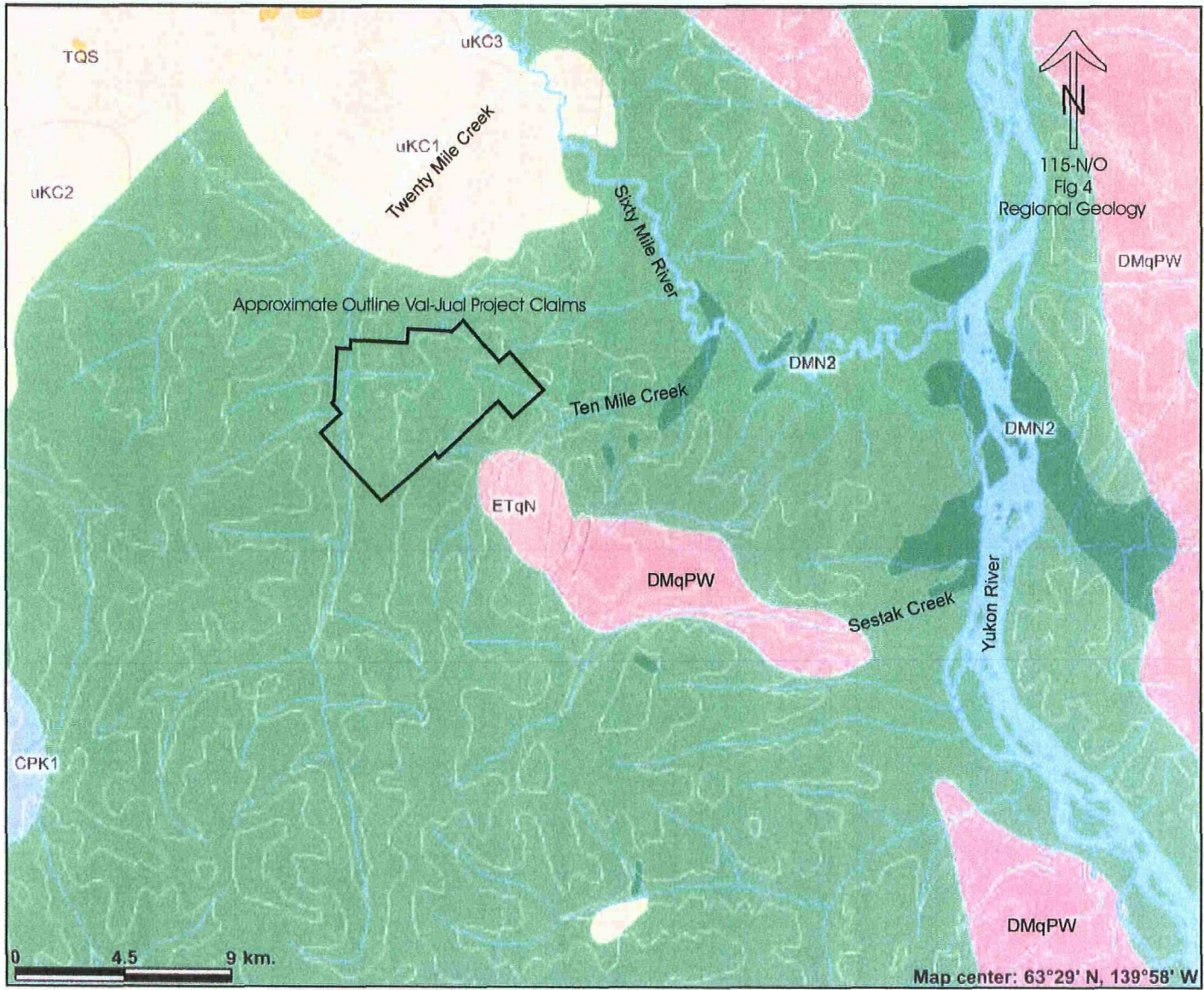
(including 8.5 g/t Au over 1.5m). Mineralization is predominantly intrusive hosted and usually associated with silicification.

Cupid Zone: This zone is located 3.0 kilometres to the west of the Jual Zone and contains mineralized subcrop consisting of quartz veins and altered intrusive with values up to 3.54 g/t Au along with occasional highly anomalous silver and lead. The two zones appear to be genetically related due to similarities in geology, geophysical signature and mineralization, and may be connected on the basis of anomalous gold values from intervening soil and stream sediment samples.

Teckphel Zone: This zone is located approximately 2.0 kilometres to the south of the Jual Zone. Reconnaissance soil sampling by Teck partially defined a 600 metre wide gold-arsenic soil anomaly with values up to 295 ppb Au and 1505 ppm As. Soil sampling by Phelps Dodge returned anomalous gold-arsenic over a 200 metre by 500 metre area, open to the west, with values up to 615 ppb Au and 895 ppm As. Phelps Dodge conducted rock sampling within soil pits and encountered several weakly anomalous gold values, with up to 159 ppb Au from a sample of brecciated and hematitic altered granite. This zone straddles the contact between the Cretaceous intrusive and metamorphic rocks.

Geology And Mineralization – The project is situated on the southwest side of the Tintina Fault, within Yukon Tanana Terrane (YTT) strata. The YTT has proven to be an under-explored, yet highly prospective belt of rocks, as witnessed by the recent significant discoveries at Underworld, Wolverine, Kudz Ze Kayah and Pogo. The potential for Pogo and Underworld type occurrences (along with other bulk-tonnage gold targets) has been recognized in the Yukon portion of the YTT, with the area south and west of Dawson receiving considerable attention since 1993 from numerous companies, including Newmont, Teck, Kennecott and Phelps Dodge as well as a plethora of junior exploration companies. This area is part of the Tintina Gold Belt that extends from south-eastern Yukon to south-western Alaska, and includes the Fort Knox, Dublin Gulch, Brewery Creek, Pogo and Donlin Creek deposits. Mineralization at these deposits covers a wide spectrum of high-grade mesothermal veins, intrusion hosted sheeted veins, large-tonnage and low-grade disseminations and stockworks, skarns and mantos, with the majority of this mineralization being intrusion related.

A recent significant surge in local exploration activity has occurred since the discovery by Underworld Resources of the Golden Saddle and Arc deposits at the White Gold Project. At Golden Saddle, intrusion-related gold mineralization is preferentially hosted within metamorphosed felsic intrusive units, as well as felsic and mafic metavolcanic rocks, with the principal host rock a granitoid that has been metamorphosed to an augen gneiss. Gold mineralization is associated with quartz veins, stockwork and breccia zones, as well as pyrite veinlets and disseminations, with better-grade gold mineralization found in proximity to ultramafic units. The alteration assemblage includes pervasive albite, carbonate, sericite and silicification. The main mineralized zone strikes to the northeast, with a gentle to moderate dip to the northwest. The generally lower



LEGEND

(To accompany Figure 4 and after Gordey and Makepeace, 2001)

INTRUSIVE ROCKS

TERTIARY(?) and QUATERNARY:

TQs Selkirk Volcanics: Resistant, brown-weathering, columnar-jointed, vesicular to massive basalt flows, minor pillow basalt, basaltic tuff and breccia.

EARLY TERTIARY:

ETN Nisling Range Suite: Medium- to coarse-grained equigranular to porphyritic rocks of intermediate composition.

UPPER CRETACEOUS:

UKC Carmacks Group: a volcanic succession dominated by basic volcanic strata, but including felsic volcanic rocks dominantly at the base of the succession, and locally basal clastic strata

STRATIFIED ROCKS

PALEOZOIC:

Carboniferous to Permian:

CPA4 Anvil Assemblage: Dunite, peridotites, gabbro, pyroxenite, harzburgite, and minor diorite, hornblende and diabase, serpentinite, orange-weathering quartz-carbonate rock with chromian muscovite, talc-carbonate schist and carbonatized ultramafic rocks.

Devonian:

DMPW Pelly Gneiss Suite: Variably deformed granitic rocks of predominantly felsic to intermediate composition.

DMN Nasina Assemblage: Graphitic quartzite and muscovite-rich schist.

DMN2 Nasina Assemblage: Marble.

The Nisling assemblage is composed of quartzite, quartz-mica schist and marble that represents a metamorphosed sedimentary continental margin sequence. The 400-320 Ma Nasina assemblage rocks are similar but contain a more significant carbonaceous content. The Pelly Gneiss and Nisutlin assemblage are composed of 350 to 250 Ma metamorphosed granitic and volcanic rocks, respectively. The Pelly Gneiss still retains its granitic composition but is strongly foliated and locally displays mineral banding. The metamorphism has turned the Nisutlin assemblage into a light green quartz-mica schist package that underlies the Klondike Goldfields and is known as the Klondike schist. The complexity of the Yukon-Tanana Terrane largely results from the diversity of rock types and the numerous metamorphic events it has undergone throughout its long history. The metamorphism is locally of extremely high temperature (650° C) and high pressures that correspond to crustal depths of approximately 25 kilometres.

The Paleozoic rocks are intruded by Jurassic? to Cretaceous unfoliated granitic rocks, and four groups of continental, post-accretionary volcanic rocks. The Cretaceous Carmacks Group (75 Ma) forms numerous thick successions of volcanic rocks along the contact between Stikinia and Yukon-Tanana Terrane and through the Dawson Range northwest of Carmacks. This volcanic event is responsible for much of the mineralization in the Dawson Range including the Laforma gold veins and the Casino copper-molybdenum-gold deposit.

The Paleozoic rocks are characterized by a regional foliation comprised of high-strain transposed layering in schists and gneisses and rootless isoclinal folds, and the intensity of this foliation locally achieves mylonite grade. In a study of the Flume claims, O'Dea (2000) summarized five deformation phases. The D₁ phase represents the initial stages of basin inversion and crustal shortening. Mid-crustal compressional D₂ deformation and metamorphism resulted in the development of a shallowly dipping fold-thrust belt. These events were followed by plutonism consisting of fine- to medium-grained equigranular felsic intrusions emplaced as sills, dikes, plugs and plutons. The D₃ regional shortening event produced district-scale post peak metamorphic thrusts. The D₄ deformation event is manifested by the development of local low amplitude north-northeast trending F₄ kink folds. Regional east-west extension (D₅) resulted in the emplacement of north-striking diabase and trachyte dikes.

grade and smaller Arc Deposit is hosted by metasedimentary rocks (quartzite), and is typified by hydrothermal breccias and silicification, with mineralization associated with arsenic, which is distinct to the Golden Saddle deposit which contains limited to no arsenic.

Work by Phelps Dodge on their Flume claims, which are adjacent to the Val-Jual property, has encountered gold values within quartz arsenopyrite galena veins, narrow pyrite and arsenopyrite bearing fault zones, skarn altered material with galena and sphalerite as well as silicified and bleached felsic or granitic intrusive material with variable amounts of sulphide. The Pdod showing, located near the common property boundary (see figure 3 Claim Map), is a north striking zone with discontinuous pervasive and vein-like silicification hosted by felsic intrusive and metasedimentary rocks mineralized with disseminated arsenopyrite and grading up to 2750 ppb gold.

The Val-Jual property is primarily underlain by a Jurassic to Cretaceous quartz monzonite intrusion which cuts Proterozoic and/or Palaeozoic metamorphic basement rocks comprised of brown weathering muscovite biotite psammitic schist, biotite schist, graphitic schist, muscovite-biotite quartzite, variable quartz-mica schist, and muscovite-chlorite granodiorite gneiss. These metasedimentary rocks locally exhibit hornfelsing at the contact with the intrusion. Structurally interleaved with the metasedimentary rocks are a suite of deformed and metamorphosed Middle Palaeozoic intrusions represented by melanocratic quartz augen gneiss, leucocratic feldspar augen gneiss and granitic pegmatite. Two main phases of the Jurassic to Cretaceous intrusion have been distinguished. One phase consists of a fresh, pink coloured, medium grained to rarely fine grained, equigranular biotite quartz monzonite with 10-15% biotite. The second phase is white in colour, fine grained to almost aphanitic with 4% fine biotite, commonly exhibits clay alteration along with possible potassic alteration, and generally resembles an altered intrusive occurring at Pogo. Iron-carbonate alteration is also relatively common within the intrusive in the Val-Jual project area. Although current mapping shows the intrusive as being fully unroofed, the presence of widespread metasedimentary rocks within the Jual Zone trenches suggests that the erosion depth is much less.

Auriferous mineralization within the Jual Zone trenches, and at the Cupid Zone, is predominantly associated with vein or stockwork zones within fractured and brecciated, silicified and occasionally bleached (albitized?) intrusive and lesser metasedimentary rocks. Two styles of quartz veins occur, a brittle milky white variety with aggregates of minor galena and/or pyrite and a cryptocrystalline pale coloured, commonly vuggy variety with minor galena, pyrite and chalcopyrite. The vuggy vein and stockwork zones with minor fine galena tend to carry higher gold values. Significant gold values associated with minor amounts of disseminated pyrite and/or galena have also been noted within altered areas of the intrusion. The Teckphel Zone is located at the contact between intrusive and metasedimentary units which are variably silicified, carbonate altered, bleached (albitized?) and faulted or brecciated. Soil and rock sample data shows a strong gold-arsenic correlation, suggesting the style of mineralization here is distinct to that at the Jual and Cupid Zones which commonly contain only limited

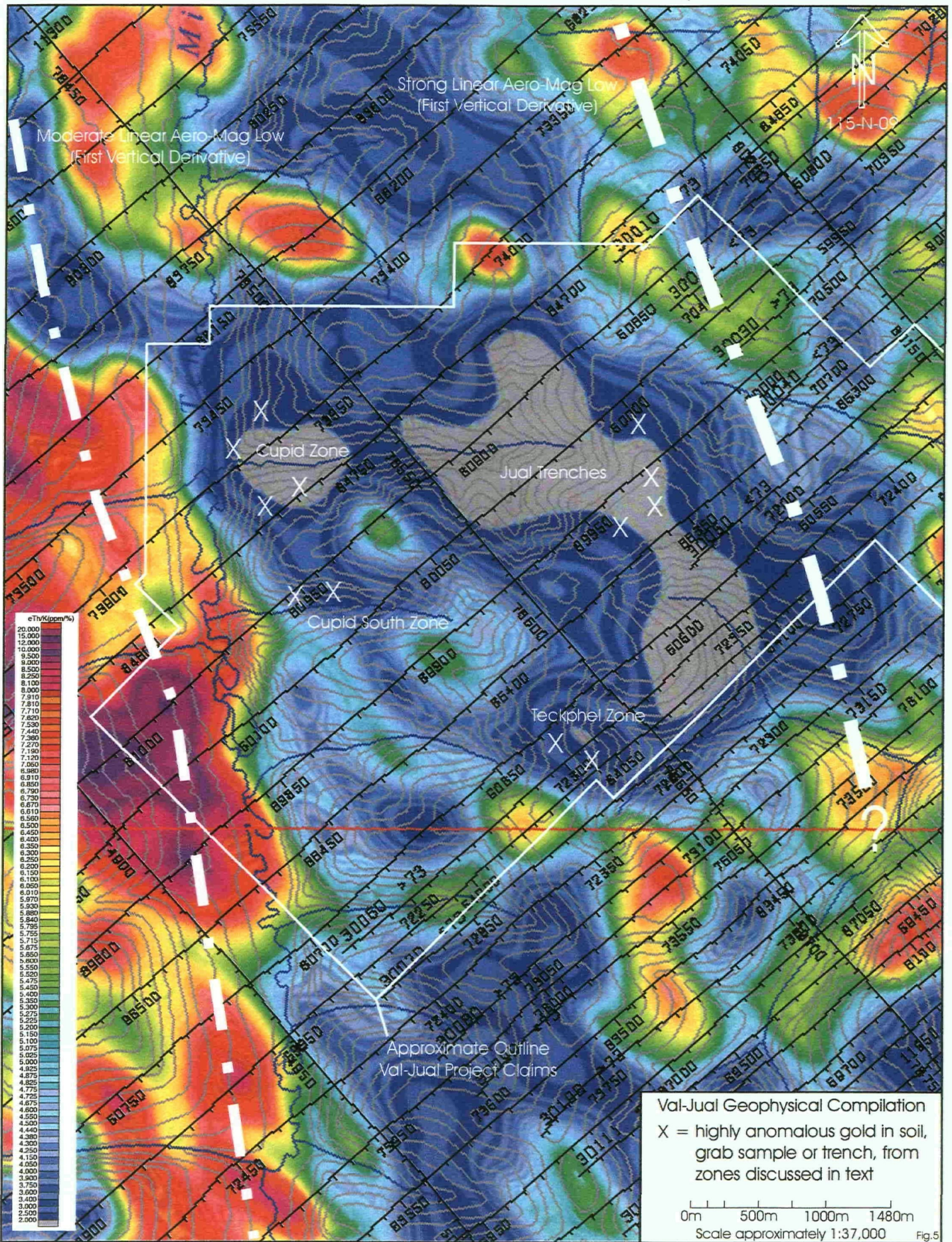
arsenic. The table below summarizes geochemical data of rock grab samples with the highest gold values from various zones in the Val-Jual Project area. See figure 3, Claim Map, for location details.

Sample	Au ppb	Ag ppm	As ppm	Pb ppm	Sb ppm	Zone	Assessment Report
00520	3760	1.0	<5	356	<5	Ten West	094041
7186	3810	>30.0	>10000	524	250	Jual Zone	094041
7193	11130	<0.2	<5	12	<5	Jual Zone	"
596	11280	0.6	<5	2	<5	Jual Zone	"
598	8710	4.2	<5	2578	<5	Jual Zone	"
6794	2050	10.0	260	1468	<5	Jual Zone	"
11088	1290	8.0	<5	>10000	<5	Galena Cr-Five Mile	"
536	3480	8.6	<5	8458	<5	Galena Cr-Five Mile	"
540	1540	>30.0	10	>10000	<5	Galena Cr-Five Mile	"
7100	5360	0.6	30	50	<5	Galena Cr-Five Mile	094447
565	960	0.4	5	66	<5	Cupid	094041
6875	3540	1.4	<5	368	<5	Cupid	"
77093	102	1.6	71	146	7	Teckphel	094202
77094	159	0.7	150	92	<5	Teckphel	"
64651	180	2.3	2052	1695	<5	Ten	"
64653	180	<0.2	4085	15	<5	Ten	"
185417	134	<0.4	646	11	<5	Ten	094447
75393	2750	0.2	9031	6	<5	Pdod	094202

Geophysical Data – During 2002 the GSC sponsored an airborne geophysical survey (Multisensor Airborne Geophysical Survey; GSC Open File 4310 also 3990 and 3991) which covered a large area south and west of Dawson, including the area of the Val-Jual Project. This work showed that the Val-Jual Project mineralized zones and anomalous areas occur within a strong negative eTh/K anomaly approximately 8 square kilometres in size. Given that thorium enrichment generally does not accompany potassium during hydrothermal alteration processes, eTh/K ratios provide an excellent way to distinguish between potassic alteration and anomalous potassium related to normal lithological variations. The three main gold anomalous zones encountered to date (Jual, Cupid and Teckphel) show an excellent correlation with the three main lows within this "potassic" zone, with much of the most intense portion of the anomaly subjected to only limited exploration efforts. Magnetic data (First Vertical Derivative) shows the presence of several parallel northwest trending moderate to strong linear magnetic lows, likely representing faulting or significant structures, dissecting the area of the project, with the strongest linear magnetic low roughly paralleling the east edge of the strongest portion of the negative eTh/K anomaly. See figure 5 for a compilation of geophysical data in relation to claim boundaries and mineralized showings.

Current Work And Results – Exploration work completed during the 2009 field season consisted of claim staking (24 claims) along the north edge of the property, as well as soil sampling (182 samples) consisting of a grid covering the Cupid Zone, and two reconnaissance lines over the Teckphel Zone. Samples were taken at 50 metre intervals on lines from 225 to 450 metres apart. Sampled material was taken from the lower B to upper C horizon, found at an average depth of 40-50 centimetres, using hand held augers. Sampling conditions were good, apart from line 9 which encountered

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permafrost along much of its length, precluding effective sampling of the target soil horizon at several sites and at the northeast end of line 13 where increased overburden hampered sampling. Sample sites were marked in the field using flagging inscribed with the sample code, with sample medium placed in industry standard soil sample envelopes. Samples were analyzed by Chemex using their Au-AA23 (30g fire assay) and their ME-ICP41 (35 element aqua regia) packages. Figure 6 includes results of gold analyses on all of the soil samples collected during the 2009 field season from the Val-Jual Project as well as the nearby Ten Project, and was constructed to show breaks in the population that would be helpful when contouring the data. The table below shows statistical breakdowns for various elements thought to be of use when mapping geology or defining mineralized zones.

	Au ppb	Ag ppm	As ppm	Pb ppm	Cr ppm	Ni ppm
n	351	351	351	351	351	351
Min	<5	<0.2	<2	4	8	2
Max	378	6.7	651	262	436	197
Mean	17	<0.2	35.4	24.3	40.4	22.5
Median	8	<0.2	10	16	32	19
75%	16	0.2	21	25	41	24
80%	20	0.2	30	29	44	27
90%	35	0.3	94	45	61	36
95%	58	0.4	178	66	84	44

* Au and Ag were plotted using population breaks and district exploration experience *

* As and Pb were plotted using percentile breakdowns *

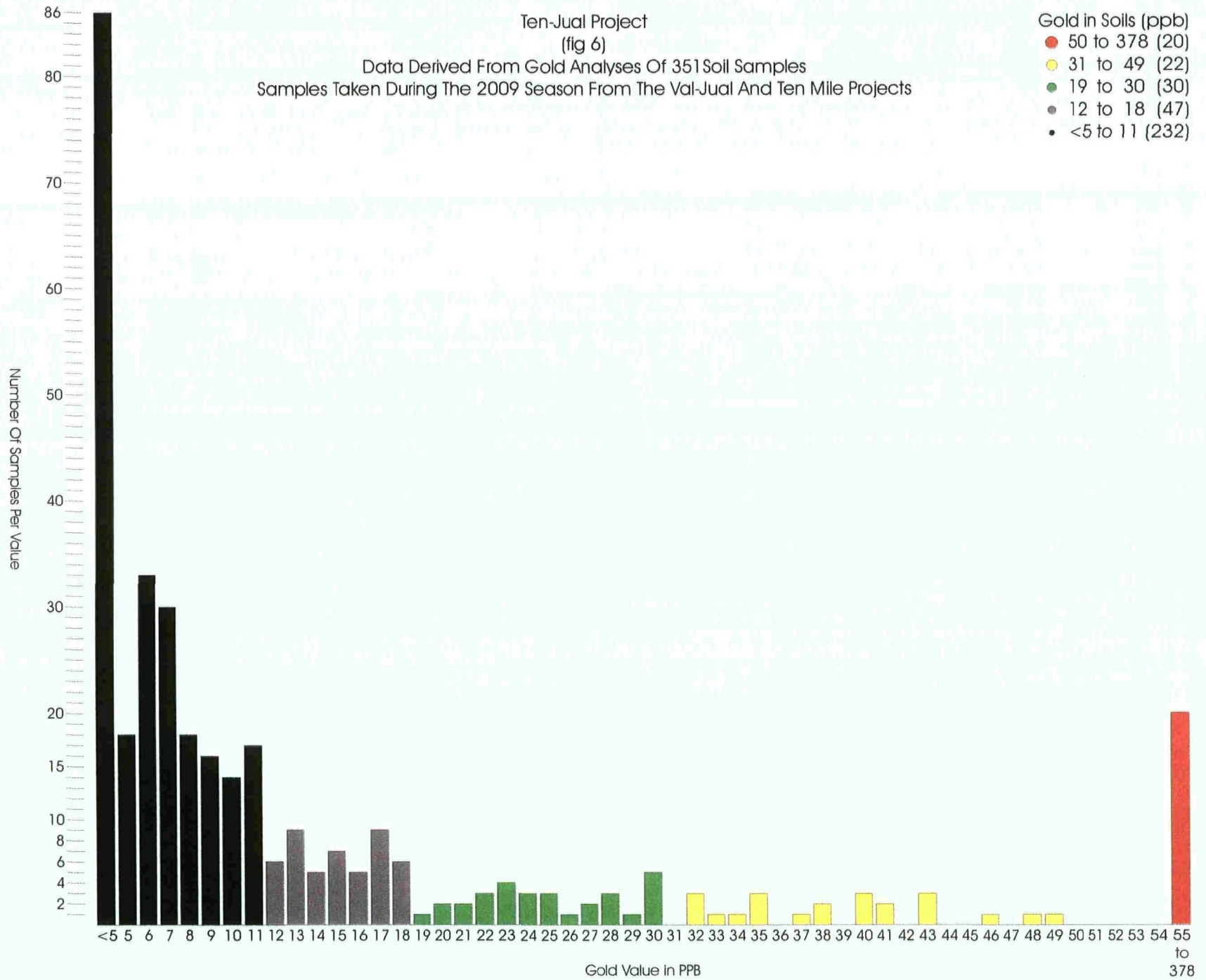
* only 90% and greater values for Cr and Ni were plotted as anomalous *

Grid soil work at the Cupid Zone was designed to provide soil geochemistry data for this under-explored yet highly prospective area. Teck Corp encountered several mineralized showings within a minimum 600 metre by 500 metre area of intrusive, with values of up to 3.54 g/t Au from quartz veins with trace galena, and up to 3.45 g/t Au along with anomalous Ag, Pb and Zn from samples of bleached and silicified intrusive. Although Teck soil sampling in the immediate area of the showings had failed to return any anomalous values, it was felt that the lack of positive results was due to poor soil sampling conditions, and that deeper sampling to reach the target horizons completed late in the season when permafrost melt is at its greatest depth, would yield more representative values.

Results were encouraging and have helped further define the Cupid Zone, as well as indicating potential for a new zone along the south edge of the grid. The Cupid Zone is centred on an eTh/K low underlain by intrusive rocks, and is approximately 1100 metres by 850 metres remaining open to the east towards the Jual Zone, and to the west into the heavily overburden covered Twenty Mile Creek valley. A total of 50 soil samples currently comprise this zone, with values ranging from 5 to 378 ppb gold and averaging 27 ppb gold. The previously discovered highly anomalous gold in rock values are concentrated along the west end of line 7 and the west-central portion of line 8 in the vicinity of soil samples ranging in value from 5 to 48 ppb gold. The west end of line 6 (11 to 378 ppb gold) and east ends of lines 7 and 8 (9 to 83 ppb gold) are significantly

Ten-Jual Project
 (fig 6)
 Data Derived From Gold Analyses Of 351 Soil Samples
 Samples Taken During The 2009 Season From The Val-Jual And Ten Mile Projects

- Gold in Soils (ppb)
- 50 to 378 (20)
 - 31 to 49 (22)
 - 19 to 30 (30)
 - 12 to 18 (47)
 - <5 to 11 (232)

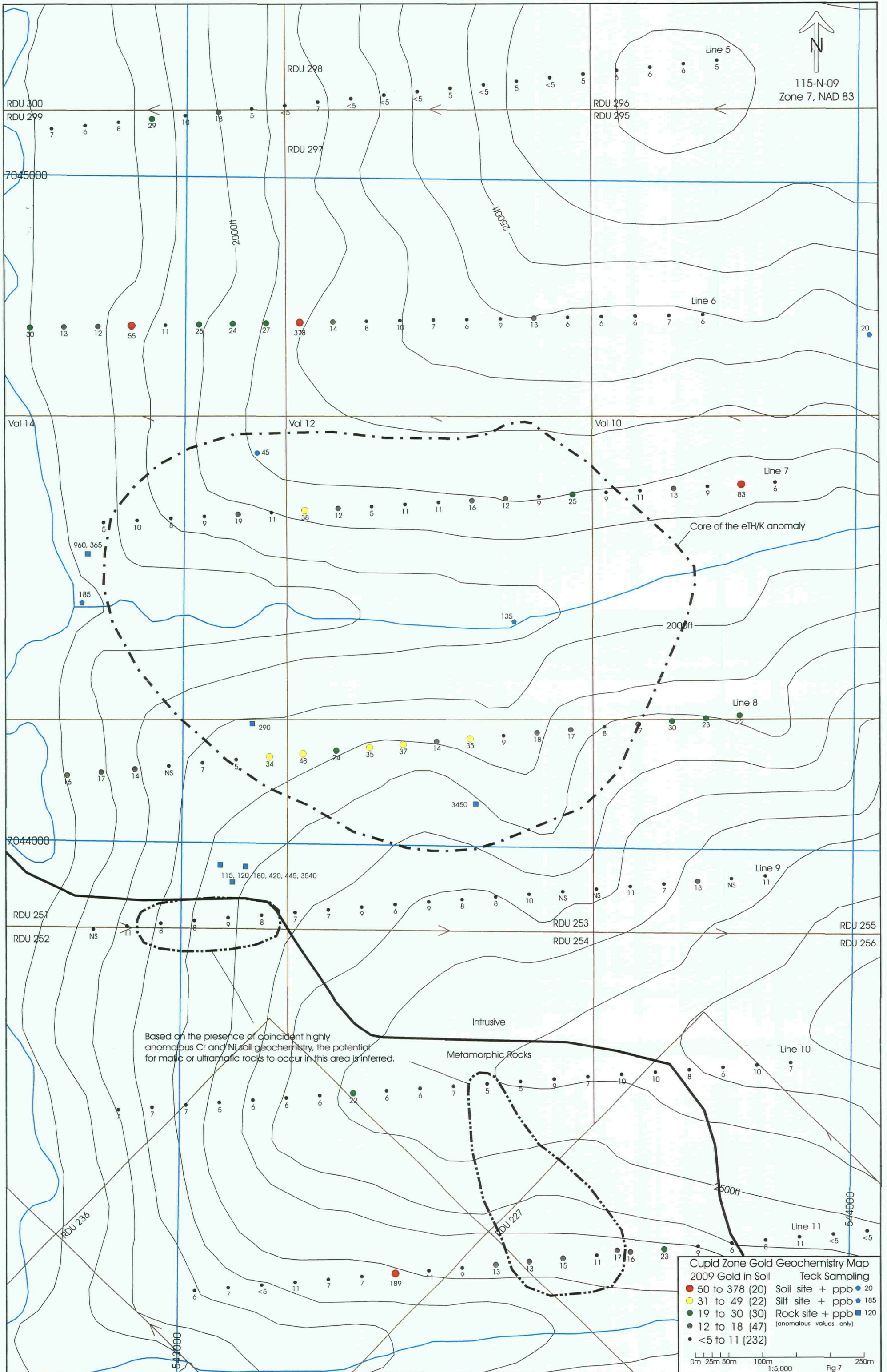


more anomalous and have no known source as of yet. Anomalous values in lead are occasionally found associated with the gold, and likely represent traces of galena within veins or altered intrusive. The Cupid South Zone consists of ten samples, along the southern-most line of the grid (line 11), ranging from 9 to 189 ppb Au (average 32 ppb Au) along with occasional highly anomalous lead and moderately anomalous arsenic. Mapping shows the area to be underlain by metamorphic rocks, with the mineralization possibly associated with ultramafic rocks, the presence of which are suggested by highly anomalous chromium and nickel in soil. See figures 7 to 13 for details on geology, geochemistry and geophysics.

Reconnaissance soil lines at the Teckphel Zone were designed to confirm previously reported high gold in soil values as well as to test for extensions of the anomaly to the north and west. Previous work by Teck Corp and Phelps Dodge had encountered highly anomalous gold in soil values to 615 ppb within a 600 metre by 700 metre area (closed off to the east and south) straddling the contact between intrusive and metamorphic rocks. It was hoped that these new lines would confirm and extend the anomaly, and that deeper sampling would yield more representative results. Results confirmed the anomaly, closing it off to the west, but leaving room for expansion to the north towards the Jual Zone. The Teckphel Zone is roughly centred on an eTh/K low and is located at the contact between intrusive and metamorphic rocks consisting of quartzite and lesser schist. The northeast end of line 13, which cuts through the core of the anomaly, returned 13 samples ranging from 16 to 164 ppb gold and averaging 57 ppb gold over a length of 650 metres open to the north. The lowest gold value from this section occurs in an area of increased overburden thickness which may be responsible for the reduction in values. Gold is usually associated with highly anomalous arsenic, lead and silver. Pathfinder elements are somewhat reduced at the southwest end of the gold anomalous portion of line 13, suggesting a change in mineralization in this area. See figures 14 to 20 for details on geology, geochemistry and geophysics.

Conclusions – Gold mineralized showings and anomalies occur within a large eTh/K anomaly and are commonly associated with areas of silicification, bleaching and brecciation, within intrusive as well as metamorphic rocks. There appears to be two distinct styles of mineralization: gold with minor lead at Cupid and Jual, and gold with variably anomalous arsenic, lead and silver at Teckphel and Cupid South. Cupid and Jual are predominantly intrusive hosted and are associated with sizeable sections of the most intense portion of the eTh/K low, while Teckphel and Cupid south are underlain by a mixed intrusive and metamorphic sequence within more moderate areas of the eTh/K anomaly. The mineralization at Teckphel and Cupid South possibly represents the distal portion of a zoned system with the core represented by the Cupid and Jual zones. The Val-Jual project has numerous geological and mineralogical similarities with Underworld Resources White Gold Project.

Recommendations – Property wide geological mapping (based on rock fragments from hand dug pits) in conjunction with resistivity and magnetic geophysical surveys, along with soil sampling of all un-tested areas of the property should provide ample data with which to direct a large drill program.



115-N-09
Zone 7, NAD 83

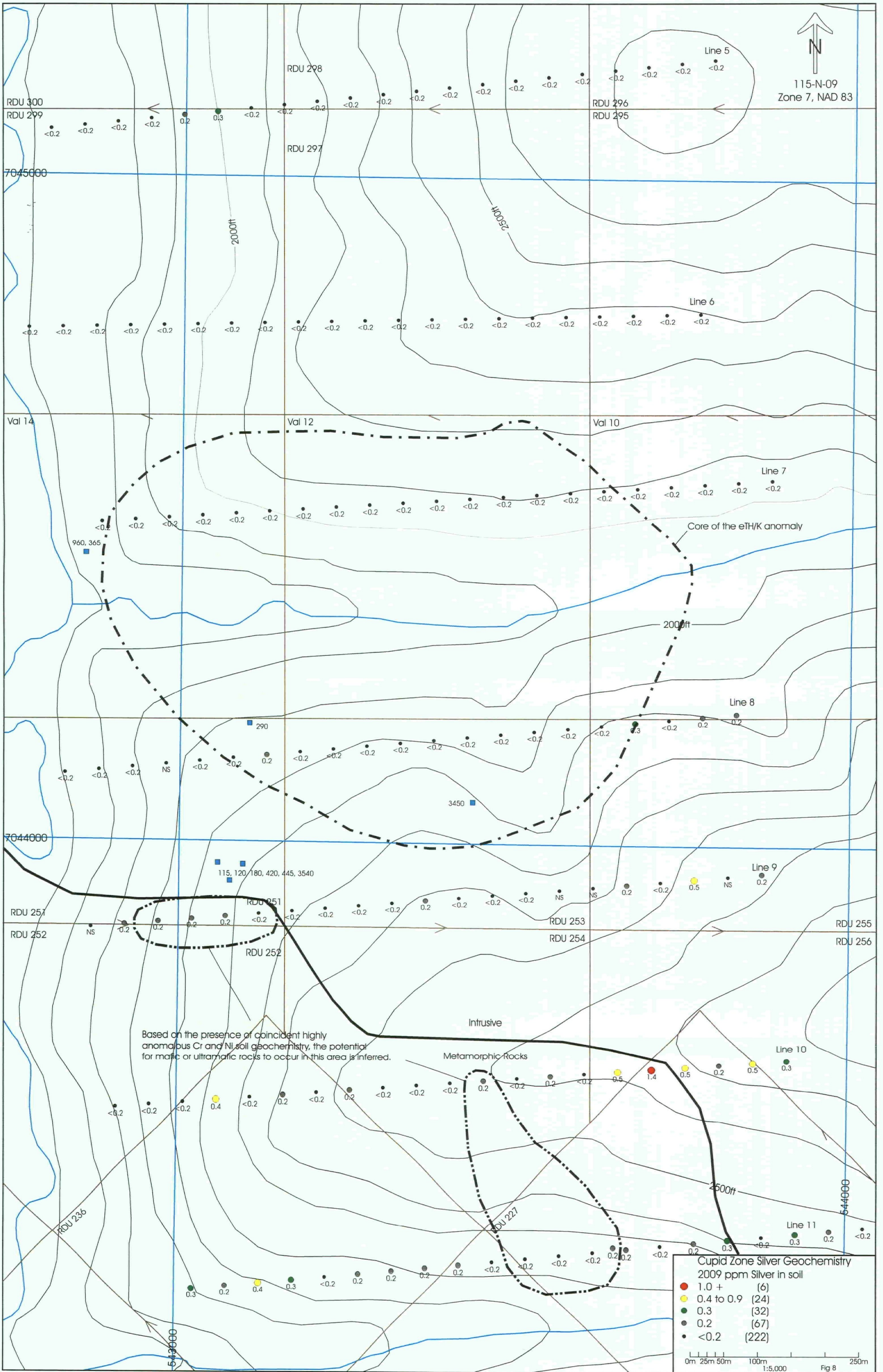
Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.

Intrusive
Metamorphic Rocks

Cupid Zone Gold Geochemistry Map 2009

● 50 to 378 (20)	Soil site + ppb	● 20
● 31 to 49 (22)	Silt site + ppb	■ 185
● 19 to 30 (30)	Rock site + ppb	■ 120
● 12 to 18 (47)	(anomalous values only)	
● <5 to 11 (232)		

0m 25m 50m 100m 250m
1:5,000 Fig 7



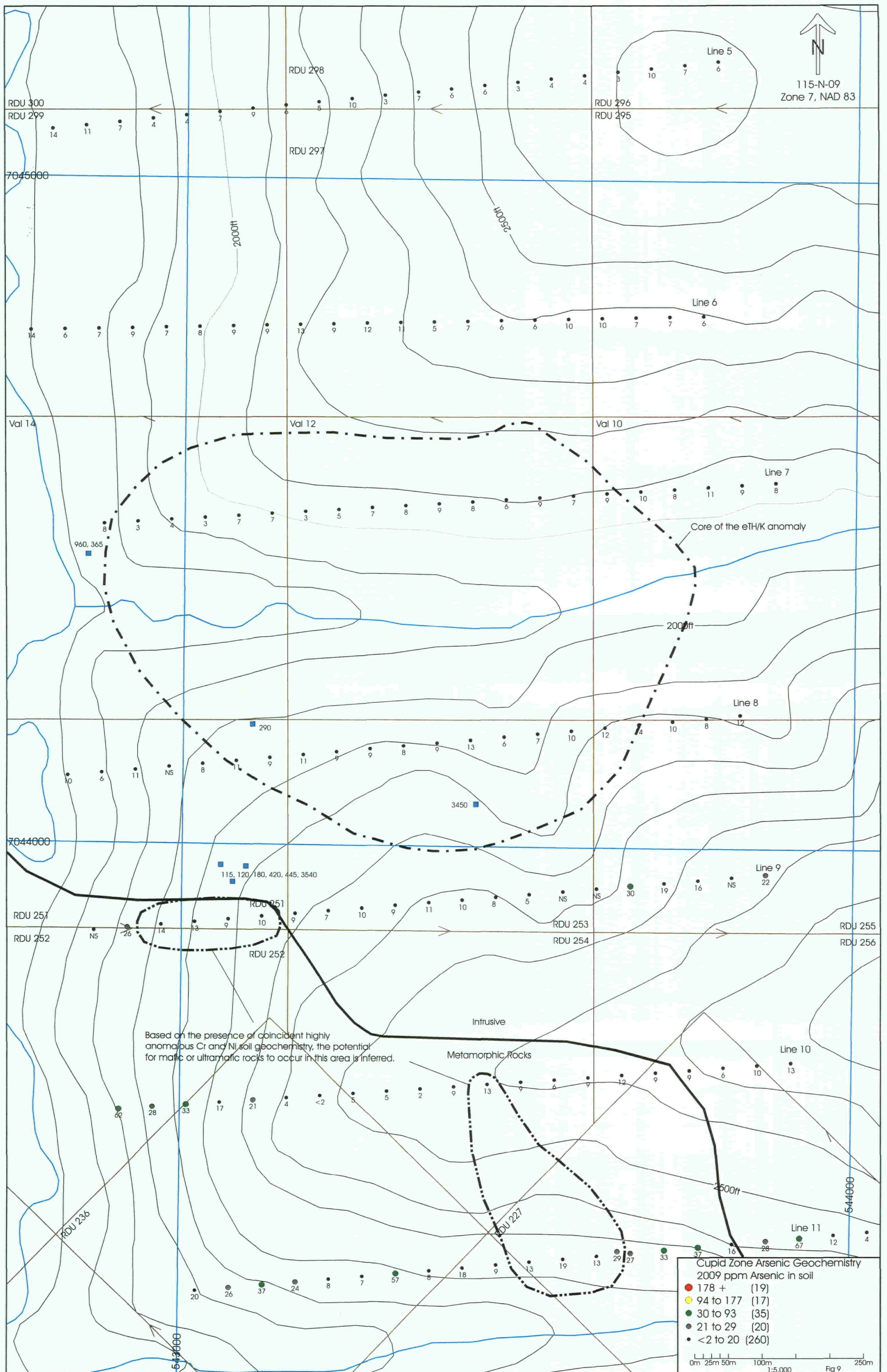
115-N-09
Zone 7, NAD 83

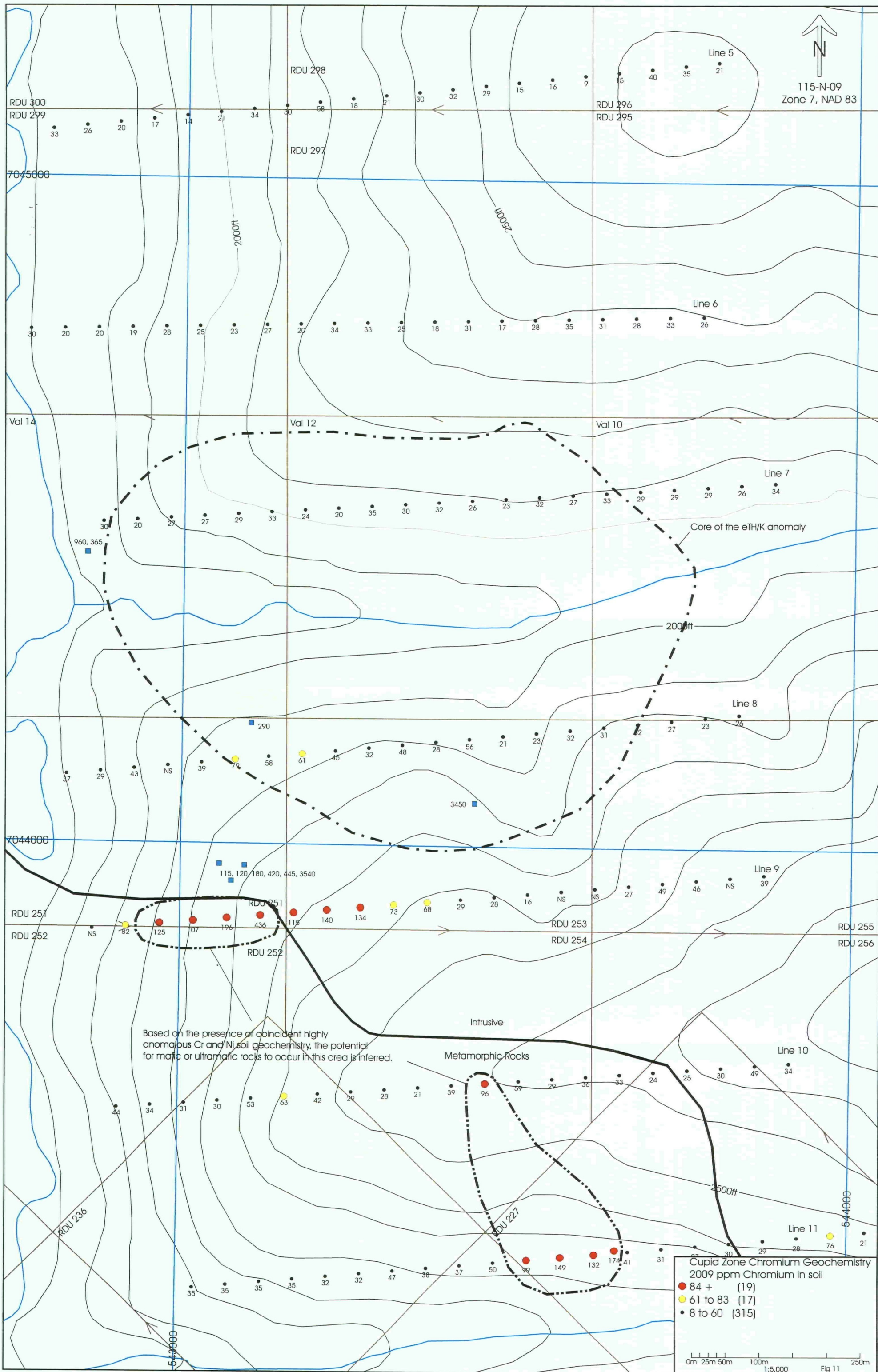
Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.

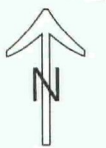
Cupid Zone Silver Geochemistry
2009 ppm Silver in soil

● 1.0 +	(6)
● 0.4 to 0.9	(24)
● 0.3	(32)
● 0.2	(67)
● <0.2	(222)

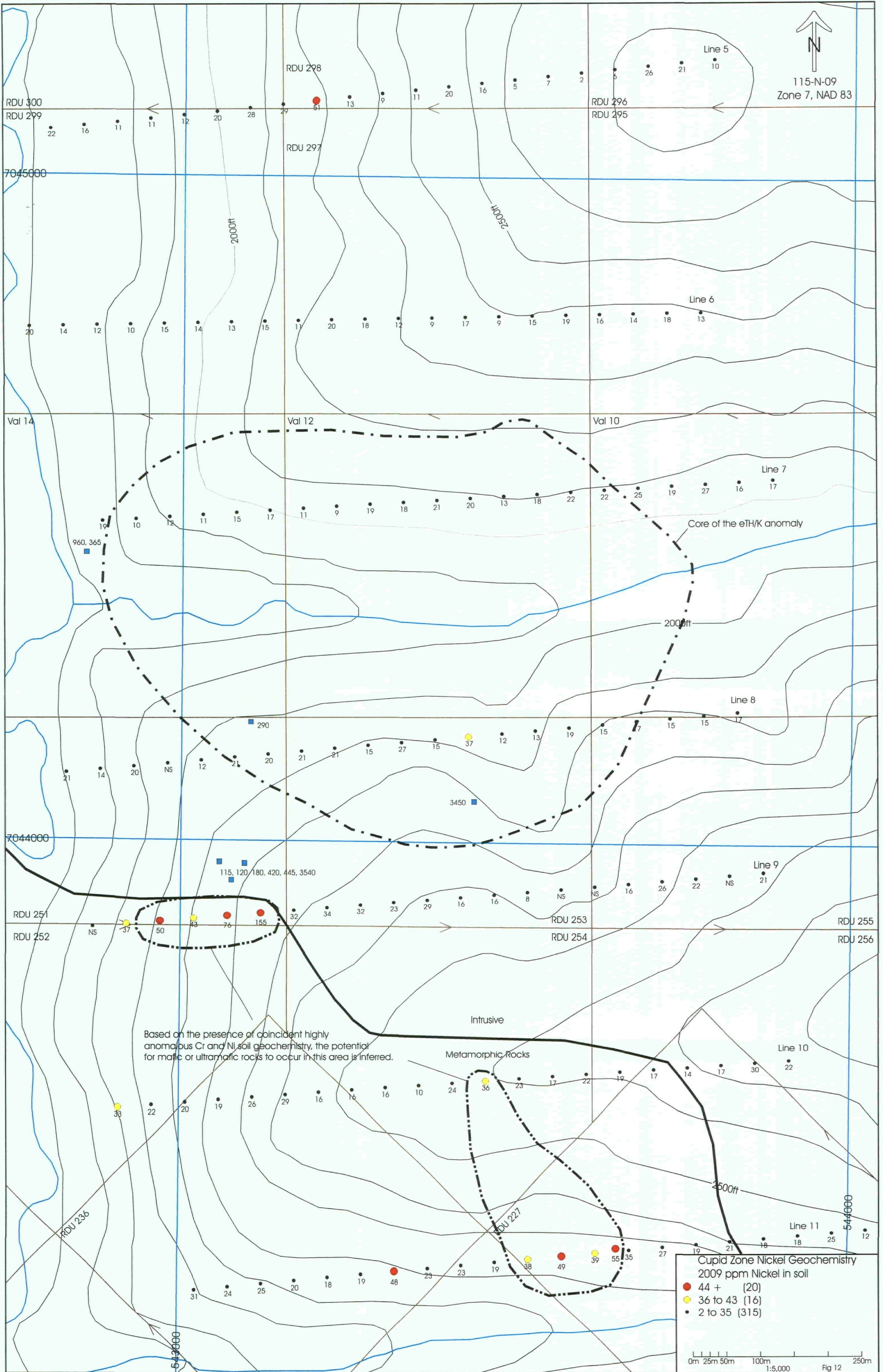
0m 25m 50m 100m 250m
1:5,000 Fig 8







115-N-09
Zone 7, NAD 83



Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.

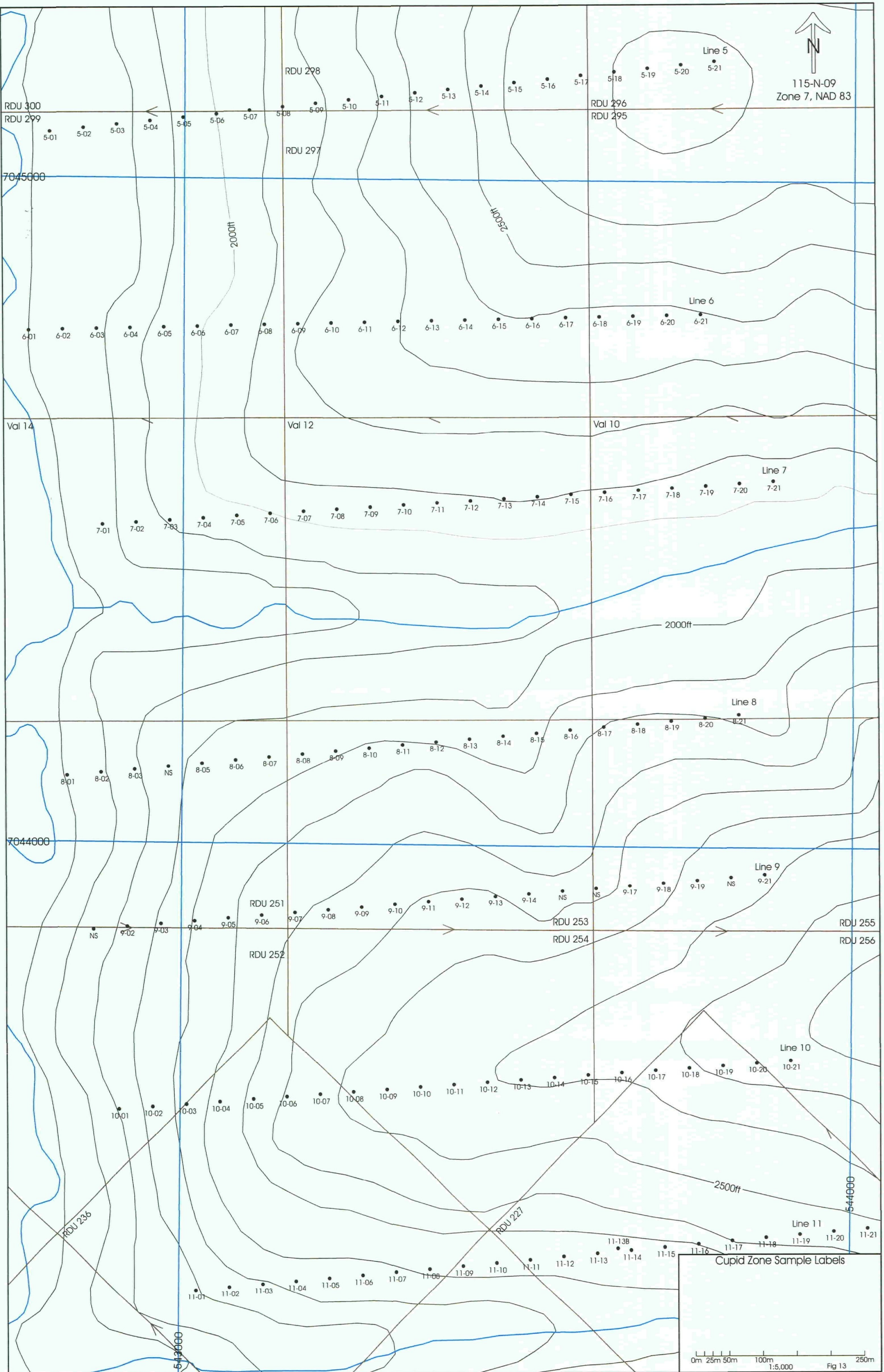
Cupid Zone Nickel Geochemistry
 2009 ppm Nickel in soil

- 44 + (20)
- 36 to 43 (16)
- 2 to 35 (315)

0m 25m 50m 100m 250m
 1:5,000 Fig 12

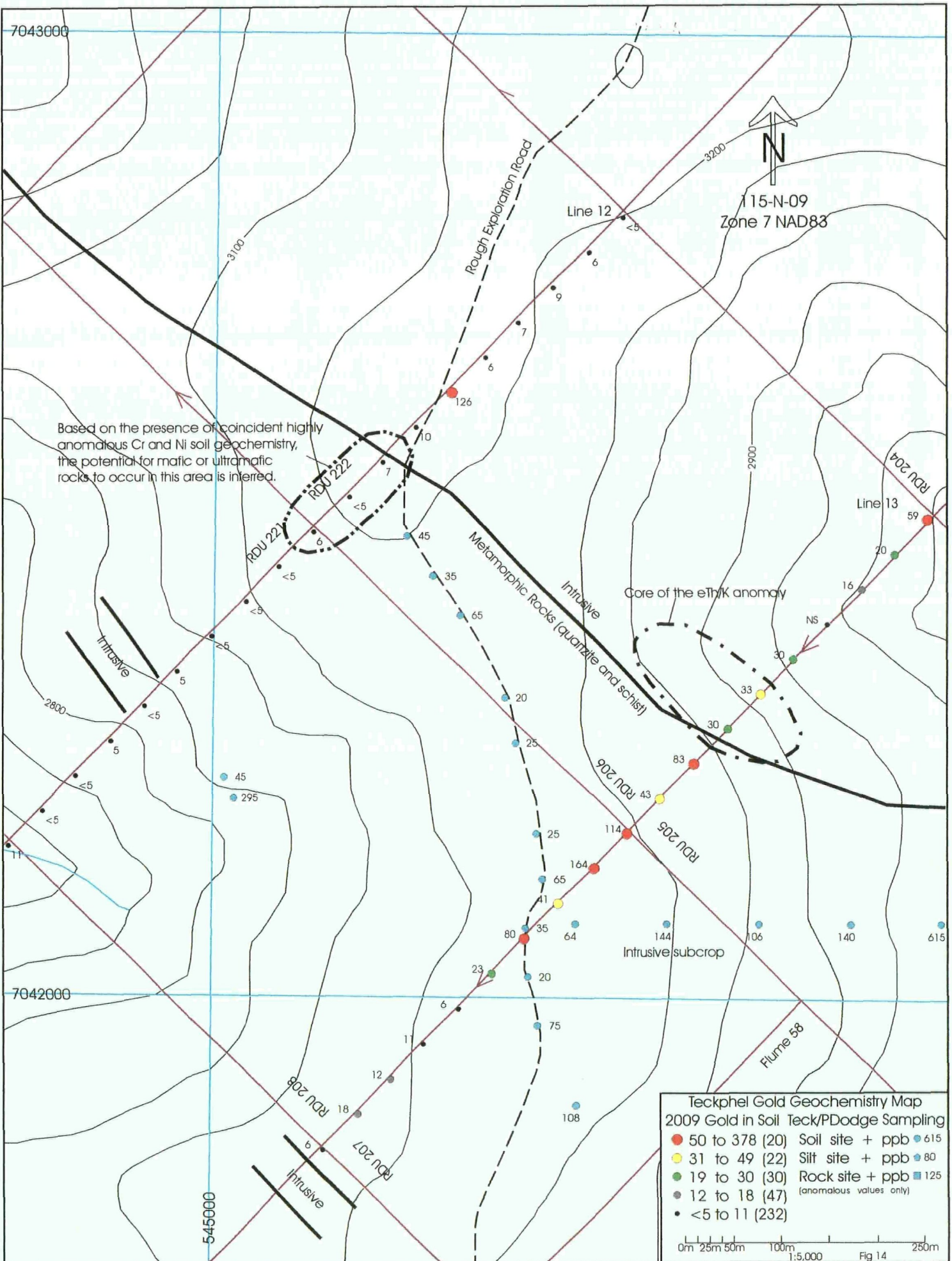


115-N-09
Zone 7, NAD 83



Cupid Zone Sample Labels

0m 25m 50m 100m 250m
1:5,000 Fig 13

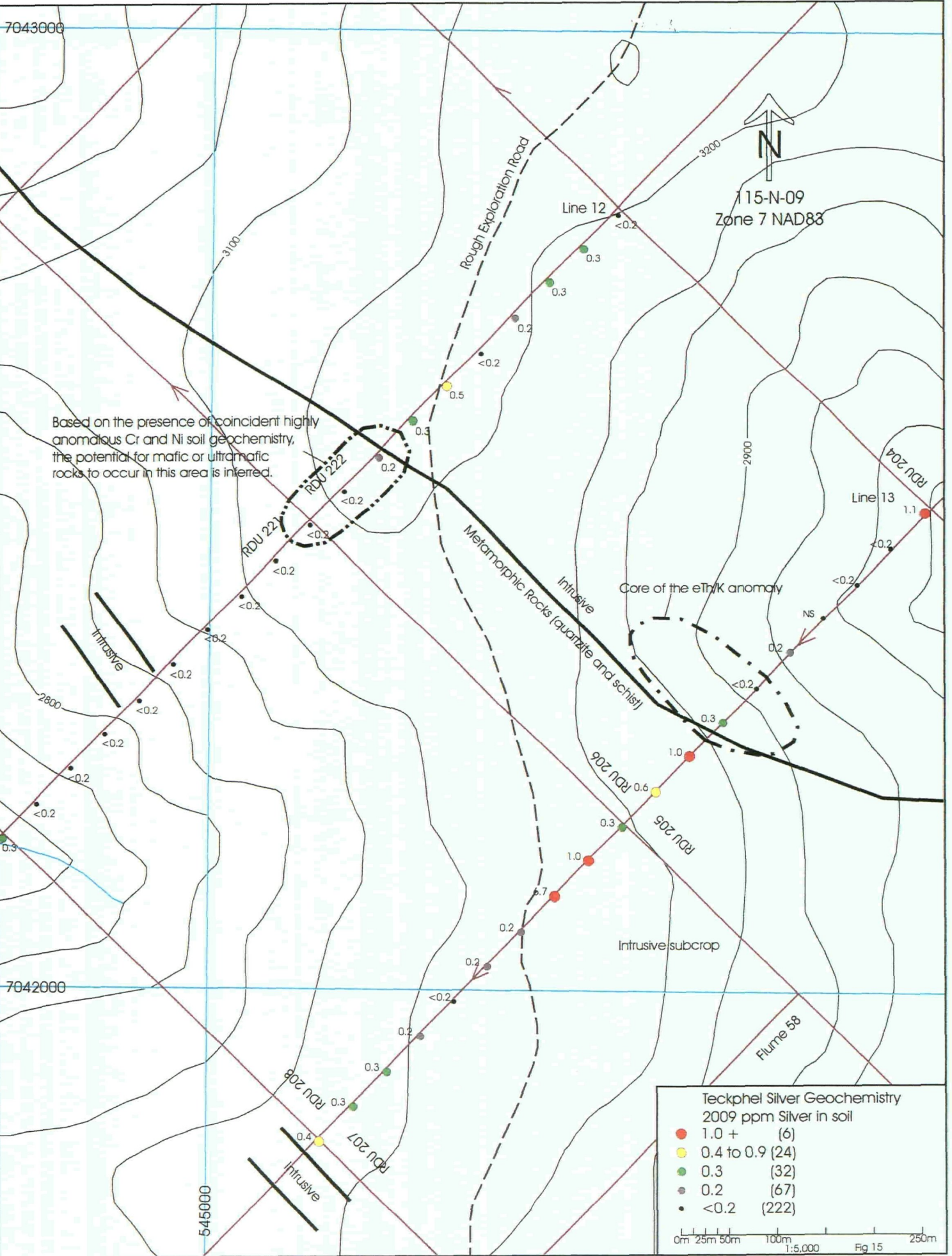


7043000



115-N-09
Zone 7 NAD83

Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.



Teckphel Silver Geochemistry
2009 ppm Silver in soil

● 1.0 +	(6)
● 0.4 to 0.9	(24)
● 0.3	(32)
● 0.2	(67)
● <0.2	(222)

0m 25m 50m 100m 250m
1:5,000 Fig 15

7043000

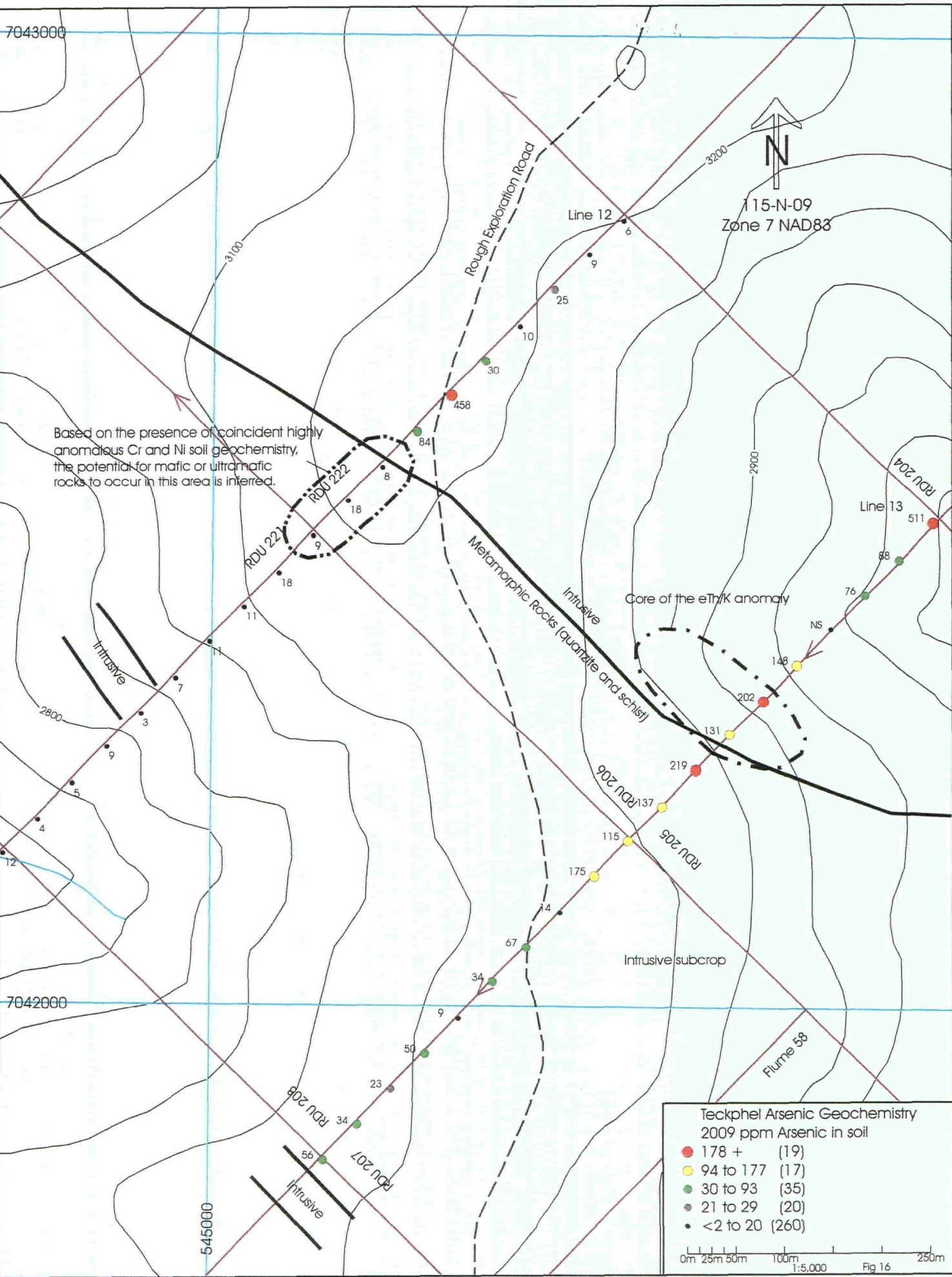
7042000

545000



115-N-09
Zone 7 NAD83

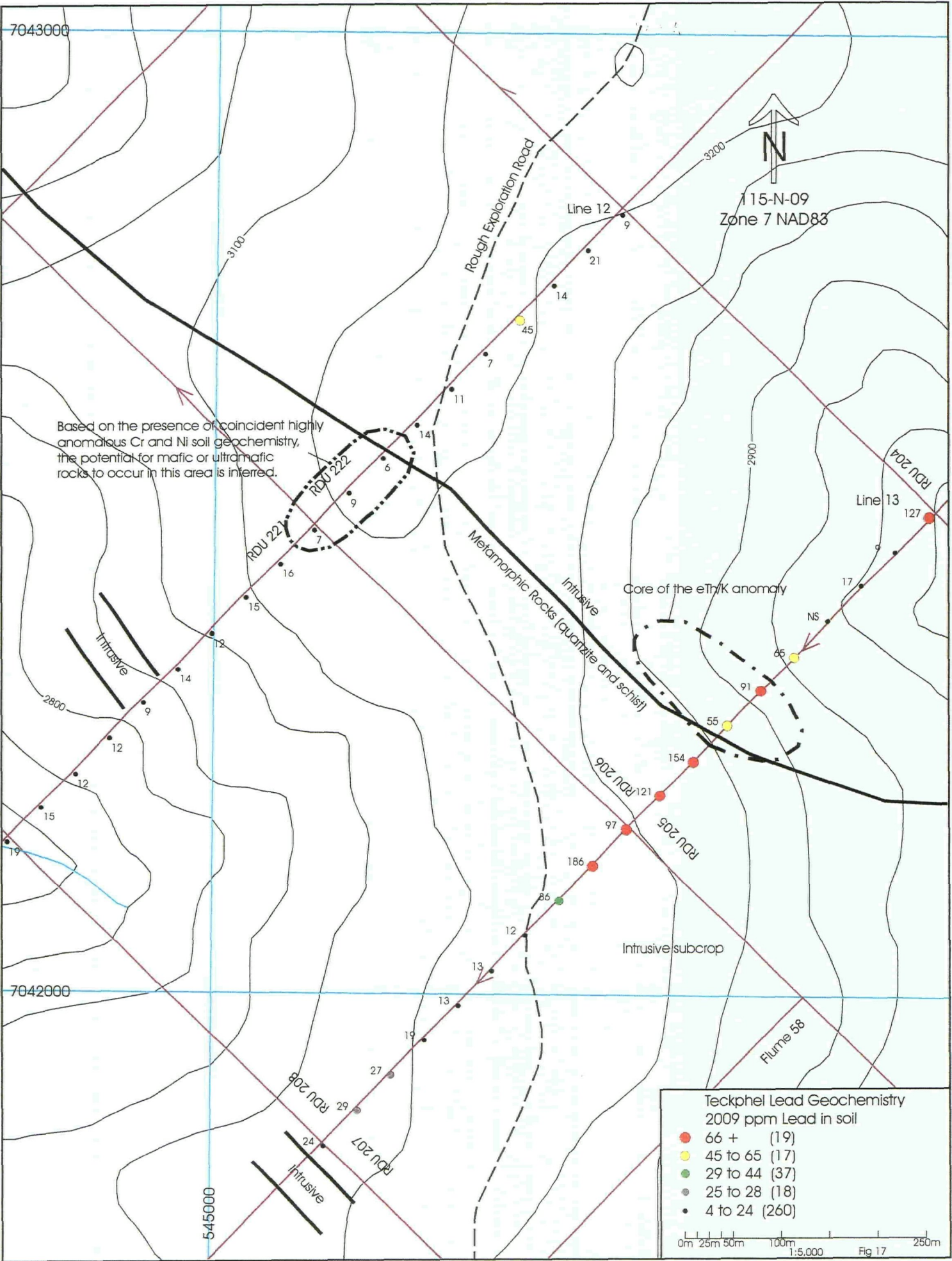
Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.



Teckphel Arsenic Geochemistry
2009 ppm Arsenic in soil

- 178 + (19)
- 94 to 177 (17)
- 30 to 93 (35)
- 21 to 29 (20)
- <2 to 20 (260)

0m 25m 50m 100m 250m
1:5,000 Fig 16



7043000

115-N-09
Zone 7 NAD83

Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.

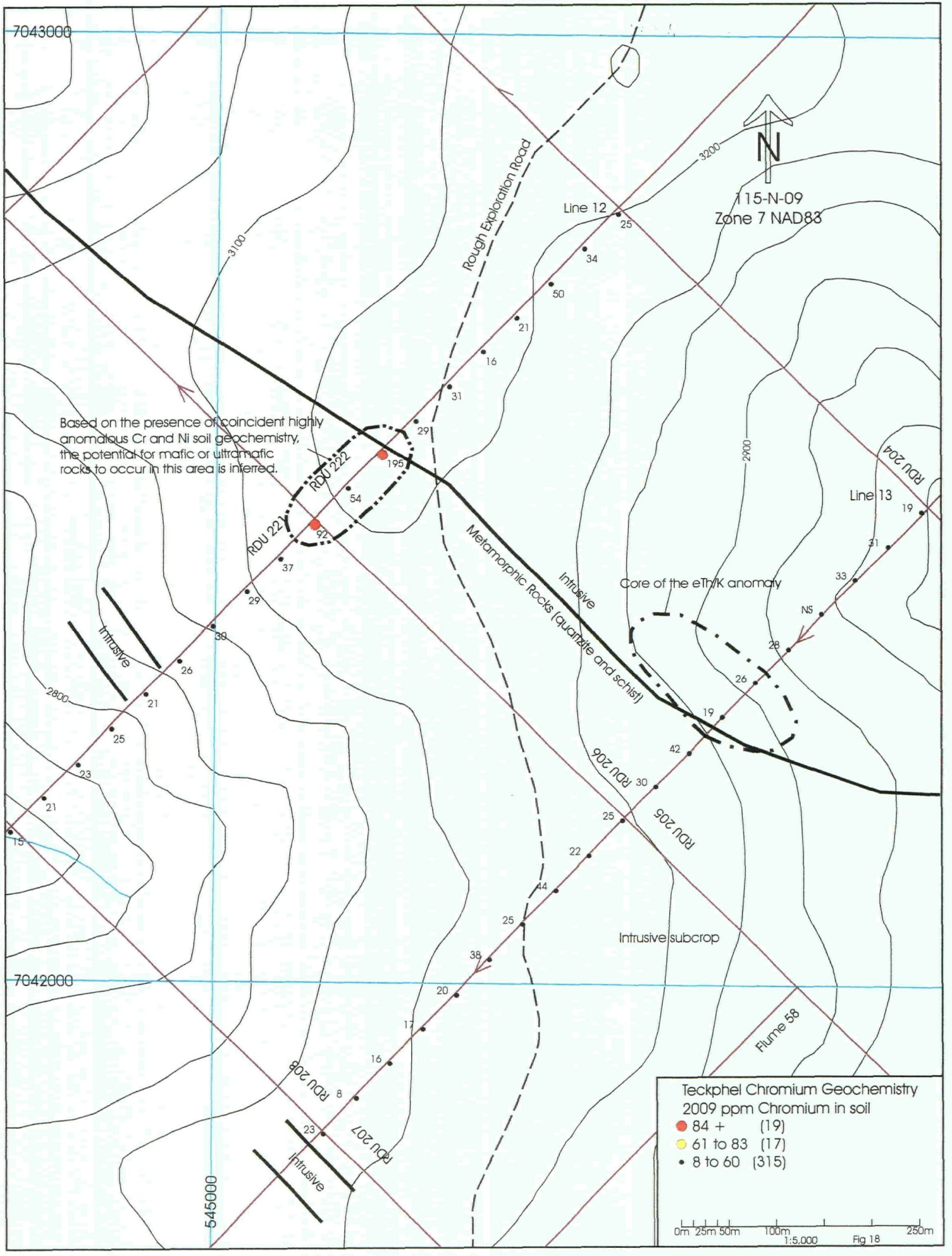
7042000

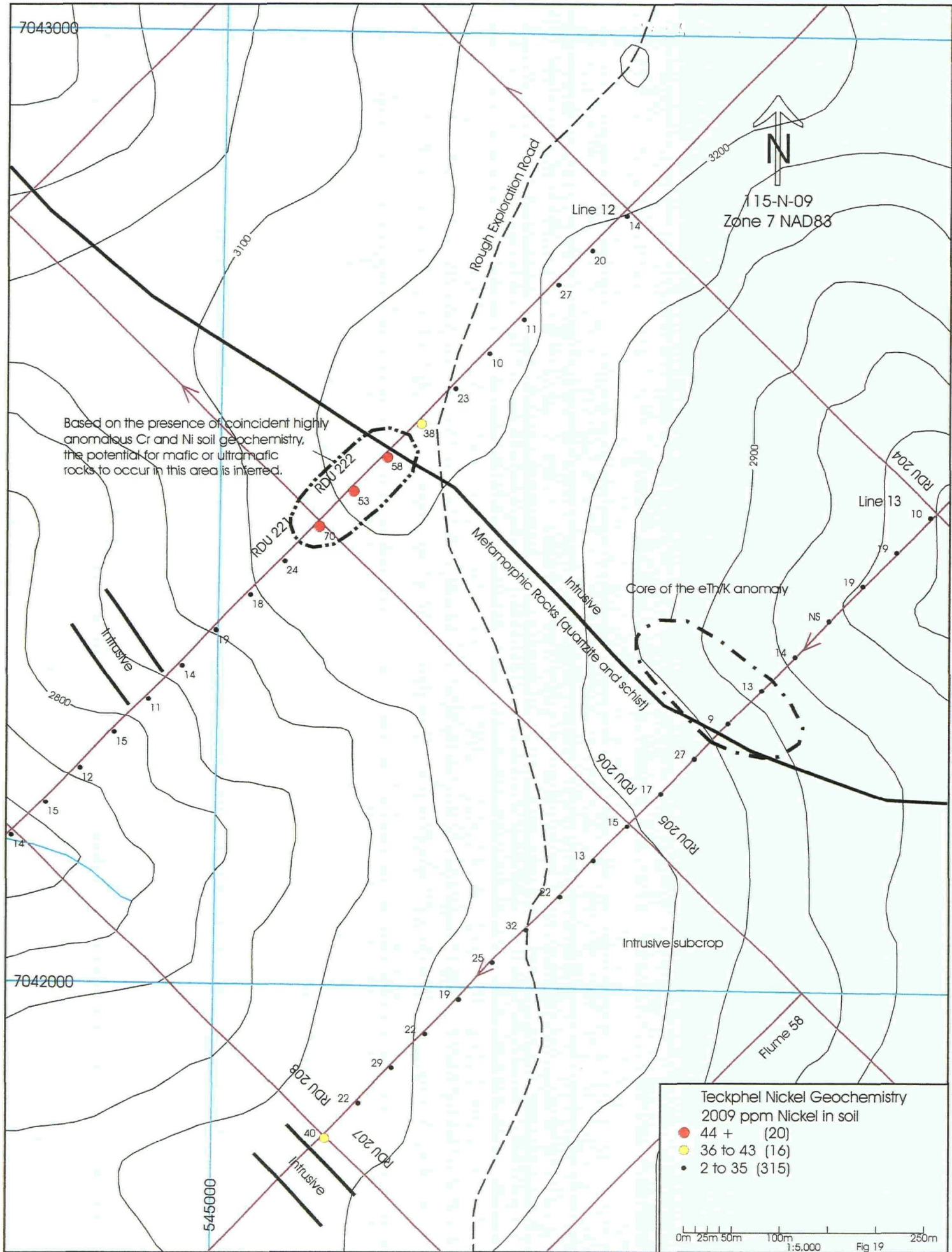
545000

Teckphel Chromium Geochemistry
 2009 ppm Chromium in soil

- 84 + (19)
- 61 to 83 (17)
- 8 to 60 (315)

0m 25m 50m 100m 250m
1:5,000 Fig 18





Based on the presence of coincident highly anomalous Cr and Ni soil geochemistry, the potential for mafic or ultramafic rocks to occur in this area is inferred.

Teckphel Nickel Geochemistry
 2009 ppm Nickel in soil

- 44 + (20)
- 36 to 43 (16)
- 2 to 35 (315)

0m 25m 50m 100m 250m
 1:5,000 Fig 19

7043000

7042000

545000

115-N-09
Zone 7 NAD83



Rough Exploration Road

Flume 58

Line 12

Line 13

RDU 222

RDU 221

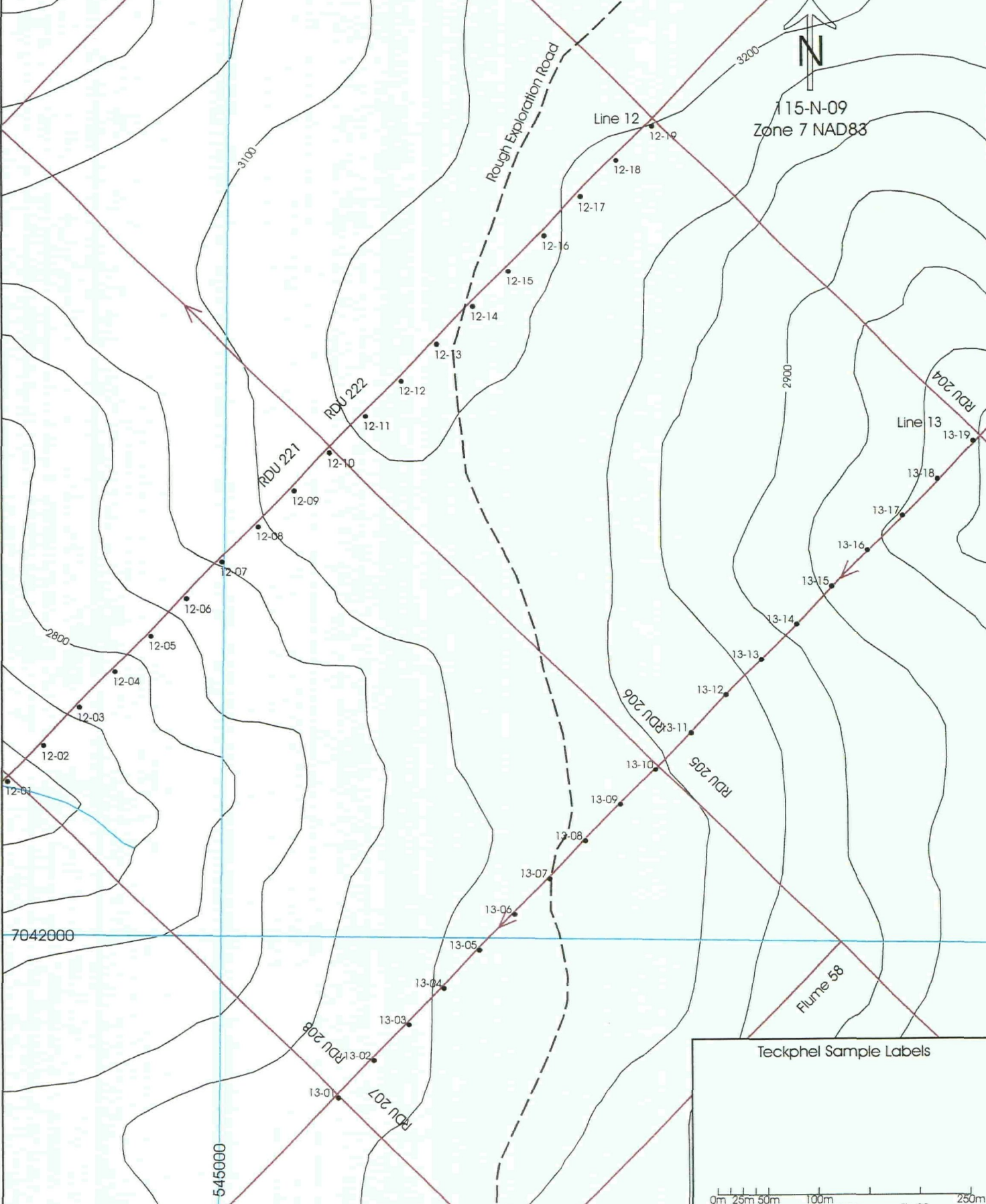
RDU 204

RDU 205

RDU 206

RDU 208

RDU 207



Teckphel Sample Labels

0m 25m 50m 100m 250m
1:5,000 Fig 20

all samples on Val-Jual

Sample	Weight	Au	Ag	As	Pb	Cr	Ni	Easting	Northing	Property	Zone
05-01,	0.34	0.007	< 0.2	14	11	33	22	542795	7045076	Val-Jual	Cupid
05-02,	0.48	0.006	< 0.2	11	9	26	16	542844	7045070	Val-Jual	Cupid
05-03,	0.54	0.008	< 0.2	7	12	20	11	542899	7045080	Val-Jual	Cupid
05-04,	0.38	0.029	< 0.2	4	11	17	11	542949	7045088	Val-Jual	Cupid
05-05,	0.48	0.01	0.2	4	6	14	12	543000	7045090	Val-Jual	Cupid
05-06,	0.56	0.018	0.3	7	12	21	20	543048	7045097	Val-Jual	Cupid
05-07,	0.7	0.005	< 0.2	9	9	34	28	543099	7045102	Val-Jual	Cupid
05-08,	0.64	< 0.005	< 0.2	6	11	30	29	543147	7045111	Val-Jual	Cupid
05-09,	0.56	0.007	< 0.2	5	22	58	51	543199	7045116	Val-Jual	Cupid
05-10,	0.5	< 0.005	< 0.2	10	28	18	13	543247	7045119	Val-Jual	Cupid
05-11,	0.54	< 0.005	< 0.2	3	10	21	9	543298	7045127	Val-Jual	Cupid
05-12,	0.44	< 0.005	< 0.2	7	19	30	11	543347	7045129	Val-Jual	Cupid
05-13,	0.46	0.005	< 0.2	6	10	32	20	543396	7045136	Val-Jual	Cupid
05-14,	0.38	< 0.005	< 0.2	6	12	29	16	543447	7045140	Val-Jual	Cupid
05-15,	0.5	0.005	< 0.2	3	10	15	5	543496	7045146	Val-Jual	Cupid
05-16,	0.44	< 0.005	< 0.2	4	12	16	7	543546	7045153	Val-Jual	Cupid
05-17,	0.6	0.005	< 0.2	4	4	9	2	543597	7045160	Val-Jual	Cupid
05-18,	0.44	0.006	< 0.2	3	11	15	6	543646	7045162	Val-Jual	Cupid
05-19,	0.48	0.006	< 0.2	10	11	40	26	543692	7045170	Val-Jual	Cupid
05-20,	0.56	0.006	< 0.2	7	10	35	21	543744	7045173	Val-Jual	Cupid
05-21,	0.46	0.005	< 0.2	6	8	21	10	543789	7045186	Val-Jual	Cupid
06-01,	0.34	0.03	< 0.2	14	11	30	20	542769	7044770	Val-Jual	Cupid
06-02,	0.34	0.013	< 0.2	6	28	20	14	542820	7044776	Val-Jual	Cupid
06-03,	0.34	0.012	< 0.2	7	17	20	12	542874	7044778	Val-Jual	Cupid
06-04,	0.32	0.055	< 0.2	9	13	19	10	542919	7044781	Val-Jual	Cupid
06-05,	0.22	0.011	< 0.2	7	10	28	15	542967	7044774	Val-Jual	Cupid
06-06,	0.42	0.025	< 0.2	8	13	25	14	543023	7044779	Val-Jual	Cupid
06-07,	0.38	0.024	< 0.2	9	18	23	13	543073	7044775	Val-Jual	Cupid
06-08,	0.42	0.027	< 0.2	9	24	27	15	543120	7044774	Val-Jual	Cupid
06-09,	0.32	0.378	< 0.2	13	138	20	11	543175	7044778	Val-Jual	Cupid
06-10,	0.32	0.014	< 0.2	9	15	34	20	543221	7044773	Val-Jual	Cupid
06-11,	0.32	0.008	< 0.2	12	12	33	18	543273	7044773	Val-Jual	Cupid
06-12,	0.48	0.01	< 0.2	11	13	25	12	543320	7044771	Val-Jual	Cupid
06-13,	0.48	0.007	< 0.2	5	16	18	9	543369	7044779	Val-Jual	Cupid
06-14,	0.42	0.006	< 0.2	7	10	31	17	543423	7044792	Val-Jual	Cupid
06-15,	0.46	0.009	< 0.2	6	17	17	9	543469	7044777	Val-Jual	Cupid
06-16,	0.4	0.013	< 0.2	6	10	28	15	543524	7044788	Val-Jual	Cupid
06-17,	0.38	0.006	< 0.2	10	13	35	19	543569	7044793	Val-Jual	Cupid
06-18,	0.46	0.006	< 0.2	10	12	31	16	543620	7044795	Val-Jual	Cupid
06-19,	0.42	0.006	< 0.2	7	14	28	14	543671	7044807	Val-Jual	Cupid
06-20,	0.44	0.007	< 0.2	7	14	33	18	543722	7044800	Val-Jual	Cupid
06-21,	0.4	0.006	< 0.2	6	17	26	13	543775	7044803	Val-Jual	Cupid
07-01,	0.36	0.005	< 0.2	8	34	30	19	542880	7044479	Val-Jual	Cupid
07-02,	0.34	0.01	< 0.2	3	44	20	10	542930	7044484	Val-Jual	Cupid
07-03,	0.42	0.008	< 0.2	4	31	27	12	542980	7044486	Val-Jual	Cupid
07-04,	0.42	0.009	< 0.2	3	26	27	11	543029	7044485	Val-Jual	Cupid
07-05,	0.38	0.019	< 0.2	7	17	29	15	543081	7044484	Val-Jual	Cupid
07-06,	0.38	0.011	< 0.2	7	16	33	17	543129	7044494	Val-Jual	Cupid
07-07,	0.42	0.038	< 0.2	3	17	24	11	543181	7044488	Val-Jual	Cupid
07-08,	0.44	0.012	< 0.2	5	21	20	9	543227	7044490	Val-Jual	Cupid
07-09,	0.42	0.005	< 0.2	7	21	35	19	543281	7044491	Val-Jual	Cupid

Sample	Weight	Au	Ag	As	Pb	Cr	Ni	Easting	Northing	Property	Zone
07-10,	0.56	0.011	< 0.2	8	12	30	18	543329	7044509	Val-Jual	Cupid
07-11,	0.62	0.011	< 0.2	9	11	32	21	543379	7044515	Val-Jual	Cupid
07-12,	0.54	0.016	< 0.2	8	20	26	20	543431	7044522	Val-Jual	Cupid
07-13,	0.32	0.012	< 0.2	6	11	23	13	543472	7044527	Val-Jual	Cupid
07-14,	0.46	0.009	< 0.2	9	10	32	18	543527	7044524	Val-Jual	Cupid
07-15,	0.6	0.025	< 0.2	7	34	27	22	543580	7044526	Val-Jual	Cupid
07-16,	0.46	0.009	< 0.2	9	20	33	22	543629	7044528	Val-Jual	Cupid
07-17,	0.58	0.011	< 0.2	10	13	29	25	543680	7044534	Val-Jual	Cupid
07-18,	0.5	0.013	< 0.2	8	13	29	19	543729	7044538	Val-Jual	Cupid
07-19,	0.4	0.009	< 0.2	11	12	29	27	543780	7044539	Val-Jual	Cupid
07-20,	0.48	0.083	< 0.2	9	22	26	16	543832	7044546	Val-Jual	Cupid
07-21,	0.42	0.006	< 0.2	8	38	34	17	543880	7044550	Val-Jual	Cupid
08-01,	0.52	0.016	< 0.2	10	39	37	21	542830	7044100	Val-Jual	Cupid
08-02,	0.4	0.017	< 0.2	6	22	29	14	542882	7044100	Val-Jual	Cupid
08-03,	0.42	0.014	< 0.2	11	28	43	20	542934	7044096	Val-Jual	Cupid
08-04,	Not Recvd							542983	7044102	Val-Jual	Cupid
08-05,	0.32	0.007	< 0.2	8	21	39	12	543032	7044102	Val-Jual	Cupid
08-06,	0.3	0.005	< 0.2	11	18	79	21	543078	7044103	Val-Jual	Cupid
08-07,	0.4	0.034	0.2	9	16	58	20	543123	7044107	Val-Jual	Cupid
08-08,	0.52	0.048	< 0.2	11	13	61	21	543173	7044125	Val-Jual	Cupid
08-09,	0.34	0.024	< 0.2	9	14	45	21	543227	7044128	Val-Jual	Cupid
08-10,	0.44	0.035	< 0.2	9	18	32	15	543278	7044139	Val-Jual	Cupid
08-11,	0.44	0.037	< 0.2	8	16	48	27	543331	7044140	Val-Jual	Cupid
08-12,	0.4	0.014	< 0.2	9	18	28	15	543378	7044149	Val-Jual	Cupid
08-13,	0.38	0.035	< 0.2	13	23	56	37	543431	7044154	Val-Jual	Cupid
08-14,	0.44	0.009	< 0.2	6	17	21	12	543480	7044161	Val-Jual	Cupid
08-15,	0.4	0.018	< 0.2	7	25	23	13	543529	7044163	Val-Jual	Cupid
08-16,	0.38	0.017	< 0.2	10	29	32	19	543577	7044166	Val-Jual	Cupid
08-17,	0.48	0.008	< 0.2	12	25	31	15	543630	7044169	Val-Jual	Cupid
08-18,	0.5	0.017	0.3	14	36	32	17	543674	7044177	Val-Jual	Cupid
08-19,	0.42	0.03	< 0.2	10	63	27	15	543732	7044186	Val-Jual	Cupid
08-20,	0.48	0.023	0.2	8	49	23	15	543781	7044192	Val-Jual	Cupid
08-21,	0.52	0.022	0.2	12	35	26	17	543830	7044199	Val-Jual	Cupid
09-02,	0.5	0.011	0.2	26	24	82	37	542920	7043878	Val-Jual	Cupid
09-03,	0.46	0.008	0.2	14	17	125	50	542970	7043880	Val-Jual	Cupid
09-04,	0.42	0.008	0.2	13	17	107	43	543019	7043882	Val-Jual	Cupid
09-05,	0.48	0.009	0.2	9	12	196	76	543069	7043891	Val-Jual	Cupid
09-06,	0.48	0.008	< 0.2	10	8	436	155	543119	7043888	Val-Jual	Cupid
09-07,	0.52	0.007	< 0.2	9	11	115	32	543168	7043894	Val-Jual	Cupid
09-08,	0.5	0.007	< 0.2	7	9	140	34	543216	7043902	Val-Jual	Cupid
09-09,	0.56	0.009	< 0.2	10	10	134	32	543268	7043906	Val-Jual	Cupid
09-10,	0.5	0.006	< 0.2	9	11	73	23	543313	7043913	Val-Jual	Cupid
09-11,	0.58	0.009	0.2	11	13	68	29	543368	7043914	Val-Jual	Cupid
09-12,	0.54	0.008	< 0.2	10	23	29	16	543416	7043921	Val-Jual	Cupid
09-13,	0.38	0.008	< 0.2	8	18	28	16	543467	7043929	Val-Jual	Cupid
09-14,	0.4	0.01	< 0.2	5	10	16	8	543519	7043928	Val-Jual	Cupid
09-17,	0.36	0.011	0.2	30	23	27	16	543670	7043939	Val-Jual	Cupid
09-18,	0.58	0.007	< 0.2	19	19	49	26	543718	7043945	Val-Jual	Cupid
09-19,	0.42	0.013	0.5	16	14	46	22	543765	7043951	Val-Jual	Cupid
09-21,	0.62	0.011	0.2	22	29	39	21	543866	7043958	Val-Jual	Cupid
10-01,	0.54	0.007	< 0.2	62	67	44	33	542909	7043600	Val-Jual	Cupid

Sample	Weight	Au	Ag	As	Pb	Cr	Ni	Easting	Northing	Property	Zone
10-02,	0.38	0.007	< 0.2	28	22	34	22	542956	7043605	Val-Jual	Cupid
10-03,	0.4	0.007	< 0.2	33	15	31	20	543005	7043606	Val-Jual	Cupid
10-04,	0.36	0.005	0.4	17	12	30	19	543057	7043609	Val-Jual	Cupid
10-05,	0.38	0.006	< 0.2	21	20	53	26	543111	7043612	Val-Jual	Cupid
10-06,	0.4	0.006	0.2	4	15	63	29	543155	7043617	Val-Jual	Cupid
10-07,	0.4	0.006	< 0.2	< 2	10	42	16	543207	7043631	Val-Jual	Cupid
10-08,	0.42	0.022	0.2	5	15	29	16	543257	7043629	Val-Jual	Cupid
10-09,	0.32	0.006	< 0.2	5	15	28	16			Val-Jual	Cupid
10-10,	0.34	0.006	< 0.2	2	10	21	10	543358	7043638	Val-Jual	Cupid
10-11,	0.4	0.007	< 0.2	9	12	39	24	543406	7043644	Val-Jual	Cupid
10-12,	0.36	0.005	0.2	13	26	96	36	543457	7043657	Val-Jual	Cupid
10-13,	0.34	0.005	< 0.2	9	13	59	23	543510	7043660	Val-Jual	Cupid
10-14,	0.38	0.009	0.2	6	11	29	17	543557	7043664	Val-Jual	Cupid
10-15,	0.48	0.007	< 0.2	9	21	36	22	543611	7043657	Val-Jual	Cupid
10-16,	0.5	0.01	0.5	12	15	33	19	543661	7043668	Val-Jual	Cupid
10-17,	0.32	0.01	1.4	9	80	24	17	543708	7043672	Val-Jual	Cupid
10-18,	0.36	0.008	0.5	9	41	25	14	543758	7043675	Val-Jual	Cupid
10-19,	0.42	0.006	0.2	6	11	30	17	543811	7043686	Val-Jual	Cupid
10-20,	0.42	0.01	0.5	10	19	49	30	543861	7043686	Val-Jual	Cupid
10-21,	0.46	0.007	0.3	13	11	34	22	543909	7043680	Val-Jual	Cupid
11-01,	0.38	0.006	0.3	20	16	35	31	543039	7043329	Val-Jual	Cupid
11-02,	0.4	0.007	0.2	26	17	35	24	543093	7043335	Val-Jual	Cupid
11-03,	0.38	< 0.005	0.4	37	33	35	25	543138	7043341	Val-Jual	Cupid
11-04,	0.36	0.011	0.3	24	15	35	20	543190	7043341	Val-Jual	Cupid
11-05,	0.4	0.007	< 0.2	8	14	32	18	543246	7043359	Val-Jual	Cupid
11-06,	0.42	0.007	0.2	7	12	32	19	543288	7043354	Val-Jual	Cupid
11-07,	0.52	0.189	0.2	57	75	47	48	543337	7043359	Val-Jual	Cupid
11-08,	0.36	0.011	0.2	8	13	38	23	543389	7043360	Val-Jual	Cupid
11-09,	0.38	0.009	0.2	18	26	37	23	543440	7043372	Val-Jual	Cupid
11-10,	0.32	0.013	< 0.2	9	14	50	19	543490	7043371	Val-Jual	Cupid
11-11,	0.5	0.013	< 0.2	13	15	99	38	543536	7043378	Val-Jual	Cupid
11-12,	0.46	0.015	< 0.2	19	20	149	49	543586	7043388	Val-Jual	Cupid
11-13,	0.5	0.011	< 0.2	13	10	132	39	543640	7043392	Val-Jual	Cupid
11-13B	0.44	0.017	0.2	29	28	174	55	543668	7043399	Val-Jual	Cupid
11-14,	0.48	0.016	0.2	27	23	41	35	543687	7043397	Val-Jual	Cupid
11-15,	0.42	0.023	< 0.2	33	62	31	27	543740	7043402	Val-Jual	Cupid
11-16,	0.28	0.009	0.2	37	21	27	19	543783	7043414	Val-Jual	Cupid
11-17,	0.34	0.006	0.3	16	15	30	21	543834	7043416	Val-Jual	Cupid
11-18,	0.36	0.008	< 0.2	28	14	29	18	543886	7043420	Val-Jual	Cupid
11-19,	0.34	0.011	0.3	67	21	28	18	543934	7043421	Val-Jual	Cupid
11-20,	0.4	< 0.005	0.2	12	17	76	25	543990	7043432	Val-Jual	Cupid
11-21,	0.4	< 0.005	< 0.2	4	14	21	12	544039	7043430	Val-Jual	Cupid
12-01,	0.54	0.011	0.3	12	19	15	14	544785	7042153	Val-Jual	Teckphel
12-02,	0.6	< 0.005	< 0.2	4	15	21	15	544806	7042186	Val-Jual	Teckphel
12-03,	0.4	< 0.005	< 0.2	5	12	23	12	544850	7042222	Val-Jual	Teckphel
12-04,	0.52	0.005	< 0.2	9	12	25	15	544883	7042272	Val-Jual	Teckphel
12-05,	0.66	< 0.005	< 0.2	3	9	21	11	544925	7042286	Val-Jual	Teckphel
12-06,	0.5	0.005	< 0.2	7	14	26	14	544958	7042332	Val-Jual	Teckphel
12-07,	0.44	< 0.005	< 0.2	11	12	30	19	544994	7042365	Val-Jual	Teckphel
12-08,	0.4	< 0.005	< 0.2	11	15	29	18	545025	7042404	Val-Jual	Teckphel
12-09,	0.4	< 0.005	< 0.2	18	16	37	24	545063	7042439	Val-Jual	Teckphel

Sample	Weight	Au	Ag	As	Pb	Cr	Ni	Easting	Northing	Property	Zone
12-10,	0.44	0.006	< 0.2	9	7	92	70	545093	7042472	Val-Jual	Teckphei
12-11,	0.5	< 0.005	< 0.2	18	9	54	53	545124	7042525	Val-Jual	Teckphei
12-12,	0.42	0.007	0.2	8	6	195	58	545157	7042546	Val-Jual	Teckphei
12-13,	0.56	0.01	0.3	84	14	29	38	545193	7042593	Val-Jual	Teckphei
12-14,	0.46	0.126	0.5	458	11	31	23	545234	7042620	Val-Jual	Teckphei
12-15,	0.42	0.006	< 0.2	30	7	16	10	545264	7042650	Val-Jual	Teckphei
12-16,	0.5	0.007	0.2	10	45	21	11	545301	7042698	Val-Jual	Teckphei
12-17,	0.42	0.009	0.3	25	14	50	27	545338	7042725	Val-Jual	Teckphei
12-18,	0.46	0.006	0.3	9	21	34	20	545381	7042773	Val-Jual	Teckphei
12-19,	0.44	< 0.005	< 0.2	6	9	25	14	545423	7042816	Val-Jual	Teckphei
13-01,	0.58	0.006	0.4	56	24	23	40	545115	7041843	Val-Jual	Teckphei
13-02,	0.64	0.018	0.3	34	29	8	22	545155	7041882	Val-Jual	Teckphei
13-03,	0.56	0.012	0.3	23	27	16	29	545187	7041920	Val-Jual	Teckphei
13-04,	0.44	0.011	0.2	50	19	17	22	545228	7041964	Val-Jual	Teckphei
13-05,	0.54	0.006	< 0.2	9	13	20	19	545261	7041993	Val-Jual	Teckphei
13-06,	0.66	0.023	0.2	34	13	38	25	545295	7042023	Val-Jual	Teckphei
13-07,	0.62	0.08	0.2	67	12	25	32	545329	7042068	Val-Jual	Teckphei
13-08,	0.56	0.041	6.7	14	36	44	22	545356	7042101	Val-Jual	Teckphei
13-09,	0.54	0.164	1	175	186	22	13	545396	7042134	Val-Jual	Teckphei
13-10,	0.64	0.114	0.3	115	97	25	15	545432	7042170	Val-Jual	Teckphei
13-11,	0.56	0.043	0.6	137	121	30	17	545461	7042210	Val-Jual	Teckphei
13-12,	0.56	0.083	1	219	154	42	27	545490	7042239	Val-Jual	Teckphei
13-13,	0.52	0.03	0.3	131	55	19	9	545528	7042277	Val-Jual	Teckphei
13-14,	0.62	0.033	< 0.2	202	91	26	13	545570	7042308	Val-Jual	Teckphei
13-15,	0.42	0.03	0.2	148	65	28	14	545598	7042349	Val-Jual	Teckphei
13-16,	Not Recvd									Val-Jual	Teckphei
13-17,	0.5	0.016	< 0.2	76	17	33	19	545670	7042432	Val-Jual	Teckphei
13-18,	0.52	0.02	< 0.2	88	9	31	19	545694	7042454	Val-Jual	Teckphei
13-19,	0.64	0.059	1.1	511	127	19	10	545737	7042501	Val-Jual	Teckphei

Statement Of Qualifications

I, Bernie Kreft, directed the exploration work described herein.

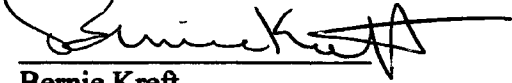
I have over 23 years prospecting experience in the Yukon.

This report is based on fieldwork directed by myself, and includes information from various publicly available assessment reports.

This report is based on fieldwork completed during the 2009 field season.

This report is based on fieldwork completed on the Val, Jual and RDU quartz claims.

Respectfully Submitted,



Bernie Kreft

for Val-Jual only

Statement Of Costs

Fireweed Helicopters	\$8,352.29
Coureur De Bois (soil sampling 182 samples)	\$4,804.72
Coureur De Bois (staking 24 claims)	\$4,410.00
Chemex (assaying)	\$5,194.41
Report Writing and Duplication	\$2,500.00
Project Management	\$600.00
Yukon Government (assessment filing fees)	<u>\$551.00</u>
Total	\$26,412.42



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CERTIFICATE OF ANALYSIS VA09107055

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
4-40		0.64	0.007	<0.2	2.15	7	<10	200	0.5	<2	0.19	<0.5	9	37	21	2.85
4-41		0.52	0.008	0.2	2.58	11	<10	240	0.5	<2	0.18	<0.5	10	41	20	3.63
4-42		0.56	0.005	<0.2	2.71	8	<10	230	0.5	<2	0.17	<0.5	10	40	19	3.26
4-43		0.42	<0.005	<0.2	2.64	13	<10	200	<0.5	<2	0.12	<0.5	11	40	16	3.63
4-44		0.48	0.006	0.3	2.14	8	<10	190	<0.5	<2	0.17	<0.5	8	37	19	2.88
4-45		0.40	<0.005	0.2	1.72	11	<10	150	<0.5	<2	0.13	<0.5	6	28	11	2.73
4-46		0.54	0.006	<0.2	2.67	12	<10	230	0.6	<2	0.11	<0.5	9	39	21	3.47
4-47		0.46	0.010	<0.2	2.27	10	<10	210	0.6	<2	0.15	<0.5	15	37	18	3.54
4-48		0.46	0.010	<0.2	2.96	13	<10	260	<0.5	<2	0.19	<0.5	10	43	21	4.05
4-49		0.30	0.010	0.4	2.43	14	<10	180	0.6	<2	0.12	<0.5	7	34	16	3.72
4-50		0.42	0.025	0.2	2.12	12	<10	150	<0.5	<2	0.14	<0.5	7	34	17	2.92
4-51		0.52	0.015	<0.2	2.03	9	<10	230	0.6	<2	0.23	<0.5	9	48	26	3.03
5-01		0.34	0.007	<0.2	1.57	14	<10	360	0.5	<2	0.76	<0.5	11	33	32	3.03
5-02		0.48	0.006	<0.2	1.17	11	<10	230	<0.5	<2	0.51	<0.5	10	26	15	2.54
5-03		0.54	0.008	<0.2	1.52	7	<10	710	1.2	2	0.62	<0.5	9	20	16	3.09
5-04		0.38	0.029	<0.2	1.05	4	<10	530	0.7	<2	1.53	<0.5	6	17	15	2.04
5-05		0.48	0.010	0.2	0.91	4	10	870	1.0	<2	2.61	<0.5	6	14	21	1.78
5-06		0.56	0.018	0.3	1.34	7	<10	730	1.5	<2	1.10	<0.5	9	21	28	3.10
5-07		0.70	0.005	<0.2	1.63	9	<10	630	1.0	<2	0.66	<0.5	12	34	29	3.39
5-08		0.64	<0.005	<0.2	1.60	6	<10	640	1.4	<2	0.66	<0.5	13	30	25	3.97
5-09		0.56	0.007	<0.2	1.74	5	<10	580	1.6	<2	0.86	<0.5	18	58	36	4.70
5-10		0.50	<0.005	<0.2	1.20	10	<10	530	1.2	<2	0.43	<0.5	10	18	18	3.42
5-11		0.54	<0.005	<0.2	1.30	3	<10	490	0.6	<2	0.40	<0.5	6	21	7	2.34
5-12		0.44	<0.005	<0.2	1.74	7	<10	380	0.7	<2	0.52	<0.5	7	30	9	2.74
5-13		0.46	0.005	<0.2	1.88	6	<10	530	0.8	<2	0.83	<0.5	9	32	21	3.10
5-14		0.38	<0.005	<0.2	1.76	6	<10	570	0.7	<2	0.93	<0.5	8	29	13	2.89
5-15		0.50	0.005	<0.2	1.03	3	<10	450	0.8	<2	0.31	<0.5	6	15	6	1.93
5-16		0.44	<0.005	<0.2	0.99	4	<10	610	0.8	<2	0.19	<0.5	4	16	8	1.97
5-17		0.60	0.005	<0.2	0.64	4	<10	80	<0.5	<2	0.06	<0.5	2	9	4	1.34
5-18		0.44	0.006	<0.2	1.27	3	<10	250	0.5	<2	0.09	<0.5	4	15	10	2.71
5-19		0.48	0.006	<0.2	2.10	10	<10	650	0.9	<2	0.73	<0.5	11	40	31	3.55
5-20		0.56	0.006	<0.2	1.87	7	<10	1150	1.0	<2	0.37	<0.5	8	35	31	3.23
5-21		0.46	0.005	<0.2	1.41	6	<10	690	0.6	<2	0.21	<0.5	5	21	12	2.12



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CERTIFICATE OF ANALYSIS VA09107055

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
4-40		10	<1	0.03	10	0.55	298	<1	0.01	20	150	9	0.01	<2	5	20
4-41		10	<1	0.03	10	0.52	329	1	0.01	20	280	12	0.01	<2	4	19
4-42		10	<1	0.03	10	0.56	307	1	0.01	22	150	10	0.01	<2	4	18
4-43		10	1	0.04	10	0.50	351	1	0.01	24	580	12	0.01	<2	3	15
4-44		10	<1	0.03	10	0.49	258	1	0.01	18	180	9	0.01	2	4	18
4-45		10	<1	0.03	10	0.37	240	1	0.01	11	340	9	0.01	<2	3	14
4-46		10	1	0.03	10	0.48	351	1	<0.01	22	220	8	<0.01	<2	4	13
4-47		10	1	0.03	10	0.51	590	1	<0.01	19	320	9	<0.01	<2	4	17
4-48		10	1	0.04	10	0.55	263	1	<0.01	26	230	9	<0.01	<2	4	22
4-49		10	<1	0.03	10	0.38	234	1	<0.01	20	300	10	<0.01	<2	4	16
4-50		10	<1	0.04	10	0.46	242	1	<0.01	19	150	7	<0.01	<2	3	13
4-51		<10	<1	0.03	20	0.58	312	1	<0.01	22	130	7	<0.01	<2	6	26
5-01		<10	<1	0.08	20	0.70	535	1	<0.01	22	730	11	0.02	<2	5	81
5-02		<10	1	0.08	10	0.68	466	1	<0.01	16	790	9	<0.01	<2	4	79
5-03		<10	<1	0.13	10	0.40	479	1	<0.01	11	170	12	<0.01	2	8	146
5-04		<10	<1	0.08	10	0.30	359	<1	<0.01	11	340	11	0.03	<2	3	340
5-05		<10	<1	0.08	10	0.35	658	<1	<0.01	12	570	6	0.06	2	4	560
5-06		<10	1	0.14	20	0.54	579	1	<0.01	20	410	12	0.03	3	9	490
5-07		<10	<1	0.10	20	0.60	574	1	<0.01	28	220	9	<0.01	2	9	158
5-08		<10	<1	0.15	20	0.40	991	1	<0.01	29	280	11	<0.01	2	13	149
5-09		10	<1	0.23	20	0.91	783	1	<0.01	51	530	22	<0.01	3	17	283
5-10		<10	<1	0.11	20	0.27	587	1	<0.01	13	150	28	<0.01	2	9	100
5-11		<10	<1	0.10	10	0.25	336	1	<0.01	9	120	10	<0.01	<2	3	57
5-12		<10	1	0.09	10	0.35	359	1	<0.01	11	170	19	<0.01	<2	4	59
5-13		10	<1	0.05	10	0.59	447	1	0.01	20	240	10	<0.01	<2	6	96
5-14		10	1	0.18	10	0.41	456	1	<0.01	16	210	12	<0.01	<2	5	105
5-15		<10	1	0.10	10	0.18	555	1	<0.01	5	130	10	<0.01	<2	3	38
5-16		<10	<1	0.07	20	0.23	235	1	<0.01	7	150	12	<0.01	<2	3	29
5-17		10	<1	0.05	20	0.07	119	1	<0.01	2	210	4	<0.01	<2	1	12
5-18		10	1	0.06	10	0.16	163	1	<0.01	6	210	11	<0.01	<2	4	19
5-19		10	<1	0.05	20	0.56	519	1	0.01	26	130	11	<0.01	<2	9	95
5-20		10	<1	0.05	20	0.46	352	1	<0.01	21	200	10	<0.01	<2	8	164
5-21		10	<1	0.04	10	0.26	206	1	<0.01	10	140	8	<0.01	<2	3	107



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CERTIFICATE OF ANALYSIS VA09107055

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
4-40		<20	0.09	<10	<10	68	<10	54
4-41		<20	0.09	<10	<10	88	<10	59
4-42		<20	0.09	<10	<10	77	<10	56
4-43		<20	0.07	<10	<10	79	<10	62
4-44		<20	0.08	<10	<10	69	<10	50
4-45		<20	0.08	<10	<10	76	<10	42
4-46		<20	0.08	<10	<10	80	<10	58
4-47		<20	0.08	<10	<10	78	<10	53
4-48		<20	0.09	<10	<10	82	<10	59
4-49		<20	0.08	<10	<10	83	<10	53
4-50		<20	0.08	<10	<10	68	<10	51
4-51		<20	0.10	<10	<10	71	<10	54
5-01		<20	0.08	<10	<10	59	<10	79
5-02		<20	0.05	<10	<10	46	<10	70
5-03		<20	0.04	<10	<10	48	<10	54
5-04		<20	0.03	<10	<10	32	<10	38
5-05		<20	0.02	<10	<10	26	<10	36
5-06		<20	0.03	<10	<10	42	<10	59
5-07		<20	0.07	<10	<10	59	<10	57
5-08		<20	0.03	<10	<10	55	<10	56
5-09		<20	0.03	<10	<10	60	<10	84
5-10		<20	0.02	<10	<10	45	<10	80
5-11		<20	0.04	<10	<10	51	<10	35
5-12		<20	0.05	<10	<10	63	<10	43
5-13		<20	0.07	<10	<10	68	<10	56
5-14		<20	0.06	<10	<10	65	<10	68
5-15		<20	0.02	<10	<10	44	<10	47
5-16		<20	0.03	<10	<10	35	<10	35
5-17		<20	0.04	<10	<10	41	<10	21
5-18		<20	0.03	<10	<10	57	<10	40
5-19		<20	0.10	<10	<10	75	<10	63
5-20		<20	0.08	<10	<10	63	<10	51
5-21		<20	0.06	<10	<10	48	<10	29



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
6-01		0.34	0.030	<0.2	1.40	14	<10	340	<0.5	<2	0.68	<0.5	10	30	28	2.70
6-02		0.34	0.013	<0.2	1.33	6	<10	300	0.8	<2	0.22	<0.5	6	20	17	2.50
6-03		0.34	0.012	<0.2	1.67	7	<10	290	<0.5	<2	0.16	0.5	6	20	10	3.05
6-04		0.32	0.055	<0.2	1.31	9	<10	280	<0.5	<2	0.19	<0.5	6	19	9	2.60
6-05		0.22	0.011	<0.2	1.96	7	<10	330	0.5	<2	0.27	<0.5	7	28	14	3.01
6-06		0.42	0.025	<0.2	1.86	8	<10	350	0.5	<2	0.36	<0.5	6	25	18	2.74
6-07		0.38	0.024	<0.2	1.54	9	<10	360	<0.5	<2	0.46	<0.5	6	23	17	2.22
6-08		0.42	0.027	<0.2	2.02	9	<10	390	0.5	<2	0.32	<0.5	6	27	15	2.78
6-09		0.32	0.378	<0.2	1.28	13	<10	340	<0.5	<2	0.32	0.6	7	20	10	2.37
6-10		0.32	0.014	<0.2	2.04	9	<10	380	0.5	<2	0.21	<0.5	8	34	17	2.97
6-11		0.32	0.008	<0.2	2.17	12	<10	290	<0.5	<2	0.17	<0.5	7	33	15	3.07
6-12		0.48	0.010	<0.2	1.86	11	<10	220	<0.5	<2	0.11	<0.5	5	25	10	2.87
6-13		0.48	0.007	<0.2	1.22	5	<10	370	<0.5	<2	0.27	<0.5	5	18	7	2.15
6-14		0.42	0.008	<0.2	1.53	7	<10	440	0.5	<2	0.31	<0.5	8	31	11	2.66
6-15		0.46	0.009	<0.2	0.93	6	<10	540	0.6	<2	0.25	<0.5	5	17	12	2.27
6-16		0.40	0.013	<0.2	1.53	6	<10	450	0.5	<2	0.28	<0.5	7	28	11	2.51
6-17		0.38	0.008	<0.2	2.05	10	<10	680	0.7	<2	0.42	<0.5	10	35	14	2.90
6-18		0.46	0.008	<0.2	1.64	10	<10	530	0.5	<2	0.41	<0.5	7	31	12	2.60
6-19		0.42	0.008	<0.2	1.73	7	<10	760	0.6	<2	0.52	<0.5	7	28	12	2.49
6-20		0.44	0.007	<0.2	1.82	7	<10	750	0.7	<2	0.43	<0.5	10	33	13	2.86
6-21		0.40	0.006	<0.2	1.58	6	<10	420	0.5	<2	0.43	<0.5	7	26	9	2.47
7-01		0.36	0.005	<0.2	1.79	8	<10	450	0.5	<2	0.63	<0.5	9	30	19	2.81
7-02		0.34	0.010	<0.2	1.28	3	<10	350	<0.5	<2	0.39	<0.5	5	20	10	2.07
7-03		0.42	0.008	<0.2	1.76	4	<10	470	<0.5	<2	0.46	<0.5	8	27	9	2.42
7-04		0.42	0.009	<0.2	1.73	3	<10	580	0.6	<2	0.48	<0.5	9	27	11	2.93
7-05		0.38	0.019	<0.2	1.70	7	<10	370	0.5	<2	0.47	<0.5	8	29	14	2.60
7-06		0.38	0.011	<0.2	1.82	7	<10	350	0.5	<2	0.37	<0.5	8	33	14	2.69
7-07		0.42	0.038	<0.2	1.46	3	<10	420	<0.5	<2	0.38	<0.5	7	24	8	2.24
7-08		0.44	0.012	<0.2	1.26	5	<10	290	<0.5	<2	0.36	<0.5	5	20	8	1.98
7-09		0.42	0.005	<0.2	1.68	7	<10	340	0.6	<2	0.42	<0.5	10	35	13	2.79
7-10		0.56	0.011	<0.2	1.65	8	<10	330	0.5	<2	0.54	<0.5	8	30	17	2.68
7-11		0.62	0.011	<0.2	1.72	9	<10	400	0.6	<2	0.57	<0.5	8	32	21	2.73
7-12		0.54	0.016	<0.2	1.49	8	<10	290	0.5	<2	0.50	<0.5	8	26	19	2.46
7-13		0.32	0.012	<0.2	1.16	6	<10	210	<0.5	<2	0.35	<0.5	5	23	8	2.22
7-14		0.46	0.009	<0.2	1.69	9	<10	320	<0.5	<2	0.56	<0.5	10	32	15	2.72
7-15		0.60	0.025	<0.2	1.49	7	<10	530	0.6	<2	1.06	<0.5	7	27	28	2.69
7-16		0.46	0.009	<0.2	1.76	9	<10	410	0.7	<2	0.46	<0.5	9	33	19	3.03
7-17		0.58	0.011	<0.2	1.54	10	<10	340	0.6	<2	0.64	<0.5	9	29	30	2.79
7-18		0.50	0.013	<0.2	1.89	8	<10	490	0.8	<2	0.49	<0.5	10	29	18	2.80
7-19		0.40	0.009	<0.2	1.49	11	<10	260	0.5	<2	0.56	<0.5	10	29	38	2.81



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units LOR	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
6-01		<10	<1	0.07	20	0.64	447	1	<0.01	20	780	11	0.02	<2	4
6-02		<10	1	0.06	10	0.29	384	<1	<0.01	14	220	28	<0.01	<2	4
6-03		10	1	0.05	10	0.21	454	<1	<0.01	12	190	17	<0.01	<2	3
6-04		<10	<1	0.05	10	0.26	202	1	<0.01	10	200	13	<0.01	<2	3
6-05		10	1	0.05	10	0.34	333	1	<0.01	15	230	10	<0.01	<2	3
6-06		<10	1	0.06	10	0.31	271	1	<0.01	14	240	13	<0.01	<2	4
6-07		<10	1	0.08	10	0.32	279	1	<0.01	13	250	18	<0.01	<2	3
6-08		10	<1	0.08	10	0.38	211	1	<0.01	15	200	24	<0.01	<2	4
6-09		<10	<1	0.07	10	0.24	459	1	<0.01	11	310	138	<0.01	<2	3
6-10		10	<1	0.06	10	0.44	228	<1	0.01	20	160	15	0.01	<2	4
6-11		10	<1	0.05	10	0.41	309	1	0.01	18	220	12	0.01	<2	3
6-12		10	<1	0.07	10	0.28	180	1	0.01	12	260	13	0.01	<2	3
6-13		<10	<1	0.05	10	0.23	186	1	0.01	9	190	16	0.01	<2	2
6-14		<10	<1	0.13	10	0.39	265	<1	0.01	17	170	10	0.01	<2	4
6-15		<10	1	0.11	10	0.20	249	<1	0.01	9	210	17	0.01	<2	3
6-16		<10	<1	0.08	10	0.37	225	1	0.01	15	180	10	0.01	2	3
6-17		10	<1	0.08	10	0.41	473	1	0.01	19	220	13	0.01	<2	6
6-18		10	1	0.09	10	0.35	280	1	0.01	16	210	12	0.02	<2	4
6-19		<10	<1	0.09	10	0.33	345	1	0.01	14	250	14	0.02	<2	4
6-20		<10	<1	0.08	10	0.38	589	1	0.02	18	200	14	0.01	<2	5
6-21		<10	<1	0.12	10	0.30	298	<1	0.01	13	180	17	0.01	<2	3
7-01		10	<1	0.08	10	0.40	570	1	0.02	19	260	34	0.01	<2	4
7-02		<10	1	0.06	10	0.21	580	1	0.02	10	370	44	0.01	<2	3
7-03		10	1	0.06	10	0.29	872	1	0.02	12	120	31	0.01	<2	4
7-04		<10	<1	0.07	10	0.28	694	<1	0.02	11	320	26	0.01	2	6
7-05		<10	<1	0.08	10	0.35	381	<1	0.02	15	190	17	0.01	<2	5
7-06		<10	<1	0.08	10	0.38	407	1	0.01	17	160	16	0.01	<2	5
7-07		10	<1	0.08	10	0.27	683	1	0.01	11	180	17	0.01	<2	3
7-08		<10	<1	0.06	10	0.23	320	<1	0.01	9	170	21	0.01	<2	3
7-09		10	<1	0.11	10	0.40	495	1	0.02	19	240	21	0.01	<2	5
7-10		<10	<1	0.07	10	0.40	417	<1	0.02	18	150	12	0.01	<2	5
7-11		10	<1	0.07	10	0.45	396	<1	0.02	21	150	11	0.01	<2	6
7-12		<10	<1	0.06	10	0.43	330	1	0.02	20	200	20	0.01	<2	4
7-13		<10	<1	0.11	10	0.24	207	1	0.01	13	290	11	0.02	<2	3
7-14		10	1	0.12	10	0.44	335	1	0.02	18	170	10	0.01	2	4
7-15		<10	<1	0.06	10	0.57	453	<1	0.03	22	410	34	0.02	<2	5
7-16		<10	1	0.05	10	0.45	529	<1	0.02	22	110	20	0.01	<2	7
7-17		<10	<1	0.06	10	0.59	373	<1	0.03	25	140	13	0.01	<2	6
7-18		10	<1	0.07	10	0.45	500	<1	0.02	19	110	13	0.01	<2	6
7-19		<10	<1	0.07	10	0.61	446	<1	0.04	27	500	12	0.01	<2	5



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
6-01		<20	0.07	<10	<10	52	<10	74
6-02		<20	0.04	<10	<10	40	<10	59
6-03		<20	0.04	<10	<10	63	<10	58
6-04		<20	0.03	<10	<10	50	<10	48
6-05		<20	0.06	<10	<10	67	<10	46
6-06		<20	0.07	<10	<10	58	<10	39
6-07		<20	0.07	<10	<10	49	<10	45
6-08		<20	0.08	<10	<10	58	<10	46
6-09		<20	0.04	<10	<10	42	<10	94
6-10		<20	0.07	<10	<10	69	<10	53
6-11		<20	0.06	<10	<10	68	<10	49
6-12		<20	0.04	<10	<10	64	<10	54
6-13		<20	0.03	<10	<10	50	<10	45
6-14		<20	0.08	<10	<10	58	<10	49
6-15		<20	0.03	<10	<10	39	<10	49
6-16		<20	0.06	<10	<10	57	<10	46
6-17		<20	0.07	<10	<10	64	<10	50
6-18		<20	0.06	<10	<10	59	<10	46
6-19		<20	0.05	<10	<10	57	<10	51
6-20		<20	0.08	<10	<10	63	<10	52
6-21		<20	0.05	<10	<10	54	<10	47
7-01		<20	0.08	<10	<10	64	<10	54
7-02		<20	0.05	<10	<10	49	<10	50
7-03		<20	0.07	<10	<10	57	<10	54
7-04		<20	0.06	<10	<10	59	<10	78
7-05		<20	0.07	<10	<10	56	<10	49
7-06		<20	0.08	<10	<10	60	<10	48
7-07		<20	0.06	<10	<10	50	<10	45
7-08		<20	0.05	<10	<10	45	<10	36
7-09		<20	0.09	<10	<10	61	<10	50
7-10		<20	0.08	<10	<10	56	<10	45
7-11		<20	0.09	<10	<10	59	<10	47
7-12		<20	0.07	<10	<10	53	<10	46
7-13		<20	0.04	<10	<10	42	<10	36
7-14		<20	0.09	<10	<10	62	<10	48
7-15		<20	0.07	<10	<10	55	<10	72
7-16		<20	0.07	<10	<10	65	<10	60
7-17		<20	0.09	<10	<10	59	<10	54
7-18		<20	0.07	<10	<10	58	<10	53
7-19		<20	0.10	<10	<10	60	<10	58



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	
7-20		0.48	0.083	<0.2	1.62	9	<10	430	0.6	<2	0.24	<0.5	8	26	15	2.70	
7-21		0.42	0.006	<0.2	1.77	8	<10	390	0.5	<2	0.43	<0.5	11	34	11	2.89	
8-01		0.52	0.016	<0.2	1.63	10	<10	530	0.9	<2	0.48	<0.5	10	37	20	2.74	
8-02		0.40	0.017	<0.2	1.54	6	<10	560	0.6	<2	0.37	<0.5	7	29	14	2.27	
8-03		0.42	0.014	<0.2	1.92	11	<10	280	0.6	<2	0.24	<0.5	9	43	12	2.94	
8-04		Not Recvd															
8-05		0.32	0.007	<0.2	1.27	8	<10	280	<0.5	<2	0.30	<0.5	5	39	10	2.15	
8-06		0.30	0.005	<0.2	1.90	11	<10	280	<0.5	<2	0.37	<0.5	15	79	16	2.97	
8-07		0.40	0.034	0.2	1.63	9	<10	370	<0.5	<2	0.50	<0.5	8	58	19	2.45	
8-08		0.52	0.048	<0.2	1.48	11	<10	270	<0.5	<2	0.47	<0.5	9	61	15	2.32	
8-09		0.34	0.024	<0.2	1.56	9	<10	190	<0.5	<2	0.30	<0.5	7	45	12	2.46	
8-10		0.44	0.035	<0.2	1.67	9	<10	230	<0.5	<2	0.28	<0.5	9	32	12	2.38	
8-11		0.44	0.037	<0.2	1.58	8	<10	130	<0.5	<2	0.16	<0.5	9	48	9	2.54	
8-12		0.40	0.014	<0.2	1.32	9	<10	180	<0.5	<2	0.10	<0.5	5	28	10	2.26	
8-13		0.38	0.035	<0.2	1.59	13	<10	480	0.6	<2	0.28	<0.5	6	56	11	2.54	
8-14		0.44	0.009	<0.2	1.38	6	<10	220	<0.5	<2	0.15	<0.5	5	21	9	2.51	
8-15		0.40	0.018	<0.2	1.67	7	<10	160	<0.5	<2	0.12	<0.5	5	23	10	2.59	
8-16		0.38	0.017	<0.2	1.98	10	<10	360	<0.5	<2	0.19	<0.5	7	32	9	2.74	
8-17		0.48	0.008	<0.2	1.92	12	<10	210	<0.5	<2	0.18	<0.5	9	31	11	2.85	
8-18		0.50	0.017	0.3	1.97	14	<10	320	0.5	<2	0.39	<0.5	12	32	17	3.02	
8-19		0.42	0.030	<0.2	1.51	10	<10	230	<0.5	<2	0.31	<0.5	10	27	11	2.57	
8-20		0.48	0.023	0.2	1.47	8	<10	220	0.6	<2	0.24	0.5	9	23	14	2.49	
8-21		0.52	0.022	0.2	1.27	12	<10	240	0.7	<2	0.75	<0.5	9	26	18	2.49	
9-02		0.50	0.011	0.2	2.08	26	<10	380	0.7	<2	0.71	<0.5	13	82	35	3.46	
9-03		0.46	0.008	0.2	2.09	14	<10	440	0.6	<2	1.03	<0.5	16	125	36	3.24	
9-04		0.42	0.008	0.2	1.87	13	<10	340	0.5	<2	0.70	<0.5	13	107	28	2.98	
9-05		0.48	0.009	0.2	2.08	9	<10	470	0.6	<2	0.65	<0.5	15	196	36	3.04	
9-06		0.48	0.008	<0.2	2.52	10	<10	570	0.6	<2	0.99	<0.5	24	436	32	3.57	
9-07		0.52	0.007	<0.2	2.31	9	<10	450	0.6	<2	0.74	<0.5	16	115	25	3.29	
9-08		0.50	0.007	<0.2	2.29	7	<10	840	0.7	<2	0.90	<0.5	15	140	27	3.13	
9-09		0.56	0.009	<0.2	2.25	10	<10	410	0.5	<2	0.74	<0.5	14	134	24	3.09	
9-10		0.50	0.006	<0.2	2.09	9	<10	370	<0.5	<2	0.61	<0.5	12	73	23	2.89	
9-11		0.58	0.009	0.2	2.18	11	<10	550	0.7	<2	0.76	<0.5	12	68	29	2.93	
9-12		0.54	0.008	<0.2	2.26	10	<10	220	<0.5	<2	0.11	<0.5	8	29	13	2.93	
9-13		0.36	0.008	<0.2	2.02	8	<10	220	<0.5	<2	0.14	<0.5	6	28	13	2.69	
9-14		0.40	0.010	<0.2	1.04	5	<10	120	<0.5	<2	0.09	<0.5	3	16	9	1.61	
9-17		0.36	0.011	0.2	1.72	30	<10	250	0.6	<2	0.21	<0.5	9	27	17	3.19	
9-18		0.58	0.007	<0.2	2.33	19	<10	400	1.1	<2	0.50	<0.5	13	49	30	4.01	
9-19		0.42	0.013	0.5	2.52	16	<10	600	1.1	<2	0.97	0.5	19	46	34	4.05	
9-21		0.62	0.011	0.2	1.88	22	<10	310	0.7	<2	0.44	<0.5	15	39	19	3.40	



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
7-20		<10	<1	0.08	10	0.33	370	1	0.01	16	210	22	0.01	<2	4	26
7-21		<10	1	0.13	10	0.44	796	1	0.02	17	350	38	0.01	<2	5	38
8-01		10	<1	0.12	20	0.38	612	1	0.02	21	270	39	0.02	<2	6	69
8-02		10	<1	0.05	10	0.28	784	<1	0.02	14	210	22	0.01	<2	4	48
8-03		<10	<1	0.07	10	0.41	333	1	0.01	20	350	28	0.02	<2	3	31
8-04																
8-05		10	<1	0.08	10	0.33	267	<1	0.02	12	350	21	0.02	<2	2	31
8-06		10	1	0.08	10	0.64	458	1	0.02	21	720	18	0.01	<2	4	34
8-07		10	<1	0.09	10	0.44	352	2	0.02	20	590	16	0.03	<2	4	48
8-08		<10	<1	0.06	10	0.46	496	1	0.02	21	560	13	0.02	<2	3	41
8-09		10	1	0.06	10	0.41	386	1	0.02	21	400	14	0.01	<2	3	28
8-10		<10	1	0.05	10	0.35	562	1	0.02	15	380	18	0.01	<2	3	25
8-11		<10	1	0.05	10	0.30	747	3	0.02	27	490	16	0.02	<2	2	15
8-12		10	<1	0.04	10	0.21	255	1	0.01	15	370	18	0.01	<2	2	14
8-13		10	<1	0.05	10	0.28	614	4	0.02	37	470	23	0.02	<2	3	25
8-14		10	<1	0.04	10	0.17	572	1	0.02	12	340	17	0.01	<2	2	15
8-15		10	1	0.03	10	0.21	510	1	0.02	13	300	25	0.02	<2	2	13
8-16		10	1	0.05	20	0.34	598	1	0.02	19	320	29	0.02	<2	3	23
8-17		10	<1	0.08	10	0.48	409	1	0.02	15	220	25	0.01	<2	4	22
8-18		10	1	0.07	10	0.55	773	1	0.02	17	440	36	0.02	<2	5	38
8-19		10	<1	0.06	10	0.46	574	1	0.02	15	350	63	0.01	<2	4	31
8-20		<10	1	0.07	20	0.39	655	1	0.02	15	330	49	0.01	2	4	24
8-21		<10	<1	0.08	10	0.35	809	1	0.02	17	530	35	0.04	2	5	63
9-02		10	<1	0.21	20	0.83	572	1	0.02	37	560	24	0.02	<2	6	69
9-03		10	<1	0.24	20	1.07	553	1	0.02	50	880	17	0.03	<2	5	103
9-04		10	1	0.21	20	0.93	445	1	0.02	43	780	17	0.02	<2	5	70
9-05		10	1	0.15	20	1.19	533	1	0.03	76	590	12	0.02	<2	6	65
9-06		10	<1	0.31	20	2.66	425	<1	0.03	155	2150	8	0.01	<2	6	94
9-07		10	<1	0.17	10	1.16	576	<1	0.03	32	990	11	0.01	<2	8	71
9-08		10	<1	0.20	20	1.17	560	<1	0.03	34	1410	9	0.02	<2	8	82
9-09		10	<1	0.10	10	1.15	301	<1	0.02	32	1010	10	0.01	<2	6	64
9-10		10	<1	0.08	10	0.78	365	<1	0.02	23	540	11	0.01	<2	6	49
9-11		10	<1	0.08	10	0.68	531	<1	0.02	29	640	13	0.02	2	7	68
9-12		10	<1	0.04	10	0.32	398	1	0.01	16	280	23	0.01	<2	3	13
9-13		10	<1	0.04	10	0.32	262	1	0.01	16	160	18	0.01	<2	3	14
9-14		10	1	0.04	10	0.19	148	<1	0.01	8	180	10	0.01	<2	2	11
9-17		10	<1	0.14	20	0.54	259	1	0.02	16	390	23	0.01	<2	5	22
9-18		10	<1	0.16	20	1.05	516	<1	0.02	28	660	19	0.01	<2	9	45
9-19		10	<1	0.24	20	1.09	1205	1	0.03	22	660	14	0.05	<2	12	102
9-21		10	<1	0.08	10	0.70	986	2	0.02	21	510	29	0.02	<2	6	52



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
7-20		<20	0.05	<10	<10	58	<10	88
7-21		<20	0.09	<10	<10	60	<10	147
8-01		<20	0.06	<10	<10	49	<10	67
8-02		<20	0.06	<10	<10	53	<10	63
8-03		<20	0.07	<10	<10	59	<10	64
8-04								
8-05		<20	0.08	<10	<10	56	<10	64
8-06		<20	0.10	<10	<10	78	<10	63
8-07		<20	0.07	<10	<10	55	<10	68
8-08		<20	0.08	<10	<10	56	<10	62
8-09		<20	0.08	<10	<10	60	<10	64
8-10		<20	0.08	<10	<10	54	<10	70
8-11		<20	0.07	<10	<10	58	<10	73
8-12		<20	0.08	<10	<10	60	<10	47
8-13		<20	0.03	<10	<10	52	<10	67
8-14		<20	0.06	<10	<10	60	<10	58
8-15		<20	0.05	<10	<10	83	<10	55
8-16		<20	0.05	<10	<10	60	<10	70
8-17		<20	0.07	<10	<10	85	<10	75
8-18		<20	0.07	<10	<10	67	<10	93
8-19		<20	0.06	<10	<10	55	<10	97
8-20		<20	0.05	<10	<10	45	<10	101
8-21		<20	0.04	<10	<10	36	<10	89
9-02		<20	0.11	<10	<10	64	<10	80
9-03		<20	0.12	<10	<10	69	<10	76
9-04		<20	0.12	<10	<10	62	<10	75
9-05		<20	0.13	<10	<10	68	<10	63
9-06		<20	0.17	<10	<10	89	<10	73
9-07		<20	0.13	<10	<10	82	<10	69
9-08		<20	0.13	<10	<10	83	<10	64
9-09		<20	0.14	<10	<10	81	<10	62
9-10		<20	0.12	<10	<10	70	<10	61
9-11		<20	0.10	<10	<10	85	<10	73
9-12		<20	0.08	<10	<10	67	<10	62
9-13		<20	0.08	<10	<10	62	<10	52
9-14		<20	0.06	<10	<10	40	<10	37
9-17		<20	0.08	<10	<10	67	<10	77
9-18		<20	0.12	<10	<10	95	<10	108
9-19		<20	0.12	<10	<10	107	<10	122
9-21		<20	0.08	<10	<10	74	<10	113



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Recvd Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe		
	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01		
10-01	0.54	0.007	<0.2	1.88	62	<10	460	1.3	<2	0.57	<0.5	12	44	37	3.42		
10-02	0.38	0.007	<0.2	1.92	28	<10	420	0.6	<2	0.46	<0.5	9	34	17	2.94		
10-03	0.40	0.007	<0.2	1.45	33	<10	350	<0.5	<2	0.27	<0.5	8	31	23	2.88		
10-04	0.36	0.005	0.4	1.45	17	<10	290	<0.5	<2	0.26	0.5	7	30	14	2.55		
10-05	0.38	0.006	<0.2	2.08	21	<10	400	0.6	<2	0.45	<0.5	18	53	23	3.60		
10-06	0.40	0.006	0.2	2.02	4	<10	270	0.5	<2	0.52	<0.5	19	63	18	3.42		
10-07	0.40	0.006	<0.2	3.08	<2	<10	940	<0.5	<2	1.34	<0.5	29	42	20	4.60		
10-08	0.42	0.022	0.2	1.82	5	<10	420	<0.5	<2	0.33	<0.5	12	29	10	2.81		
10-09	0.32	0.006	<0.2	1.72	5	<10	320	<0.5	<2	0.28	<0.5	7	28	10	2.63		
10-10	0.34	0.006	<0.2	1.22	2	<10	260	<0.5	<2	0.29	<0.5	6	21	7	2.21		
10-11	0.40	0.007	<0.2	2.12	9	<10	330	<0.5	<2	0.20	<0.5	11	39	15	3.15		
10-12	0.36	0.005	0.2	2.24	13	<10	610	0.7	<2	0.55	0.8	19	96	22	3.72		
10-13	0.34	0.005	<0.2	2.22	9	<10	320	<0.5	<2	0.22	<0.5	11	59	13	3.47		
10-14	0.38	0.009	0.2	1.84	6	<10	390	<0.5	<2	0.32	<0.5	12	29	14	2.90		
10-15	0.48	0.007	<0.2	2.09	9	<10	480	0.5	<2	0.20	<0.5	11	36	14	3.15		
10-16	0.50	0.010	0.5	1.92	12	<10	340	0.5	<2	0.23	<0.5	10	33	14	3.17		
10-17	0.32	0.010	1.4	1.33	9	<10	530	<0.5	<2	0.30	0.6	11	24	12	2.83		
10-18	0.36	0.008	0.5	1.65	9	<10	390	<0.5	<2	0.40	0.7	10	25	11	2.91		
10-19	0.42	0.006	0.2	1.57	6	<10	310	<0.5	<2	0.32	<0.5	8	30	10	2.67		
10-20	0.42	0.010	0.5	2.50	10	<10	680	1.3	<2	0.49	<0.5	16	49	34	4.55		
10-21	0.46	0.007	0.3	1.88	13	<10	220	<0.5	<2	0.32	<0.5	9	34	15	2.99		
11-01	0.38	0.006	0.3	1.91	20	<10	510	0.8	<2	0.39	<0.5	11	35	22	2.81		
11-02	0.40	0.007	0.2	1.91	26	<10	450	0.7	<2	0.41	<0.5	11	35	24	3.08		
11-03	0.38	<0.005	0.4	2.02	37	<10	620	1.1	<2	0.46	<0.5	11	35	24	3.13		
11-04	0.36	0.011	0.3	1.84	24	<10	350	0.6	<2	0.33	<0.5	11	35	14	3.04		
11-05	0.40	0.007	<0.2	1.68	8	<10	250	0.5	<2	0.44	<0.5	9	32	16	2.70		
11-06	0.42	0.007	0.2	1.74	7	<10	320	0.6	<2	0.56	<0.5	10	32	17	2.79		
11-07	0.52	0.189	0.2	2.33	57	<10	250	1.6	<2	0.37	<0.5	16	47	42	4.61		
11-08	0.36	0.011	0.2	2.01	8	<10	450	0.6	<2	0.53	<0.5	11	38	17	3.01		
11-09	0.38	0.009	0.2	1.85	18	<10	550	0.8	<2	0.49	<0.5	13	37	17	3.17		
11-10	0.32	0.013	<0.2	1.85	9	<10	560	0.7	<2	0.42	<0.5	10	50	12	2.82		
11-11	0.50	0.013	<0.2	1.88	13	<10	700	0.7	<2	1.14	<0.5	16	99	38	3.07		
11-12	0.46	0.015	<0.2	2.45	19	<10	560	1.0	<2	0.79	<0.5	20	149	38	3.97		
11-13	0.50	0.011	<0.2	2.09	13	<10	540	0.9	<2	1.70	<0.5	16	132	34	3.66		
11-13B	0.44	0.017	0.2	1.89	29	<10	580	0.8	<2	1.98	<0.5	15	174	42	3.28		
11-14	0.48	0.016	0.2	1.69	27	<10	590	0.9	2	1.04	<0.5	12	41	38	3.08		
11-15	0.42	0.023	<0.2	1.68	33	<10	530	0.7	<2	0.98	<0.5	10	31	38	3.02		
11-16	0.28	0.009	0.2	2.02	37	<10	430	1.5	<2	0.59	<0.5	12	27	22	3.34		
11-17	0.34	0.006	0.3	1.85	16	<10	470	0.7	<2	0.60	<0.5	10	30	19	2.92		
11-18	0.36	0.008	<0.2	1.62	28	<10	400	0.6	<2	0.39	<0.5	10	29	14	2.78		



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
10-01		10	<1	0.20	40	0.66	533	1	0.02	33	310	67	0.03	<2	6	52
10-02		10	<1	0.15	10	0.44	276	1	0.02	22	180	22	0.01	<2	4	40
10-03		<10	<1	0.20	10	0.42	240	2	0.02	20	210	15	0.04	<2	3	39
10-04		10	<1	0.12	10	0.42	182	1	0.02	19	200	12	0.01	<2	3	28
10-05		10	<1	0.18	10	0.77	939	1	0.02	26	440	20	<0.01	<2	6	42
10-06		10	<1	0.26	10	1.25	522	1	0.03	29	670	15	<0.01	<2	4	32
10-07		10	<1	0.65	<10	2.19	795	1	0.04	16	5850	10	<0.01	<2	4	69
10-08		10	<1	0.04	10	0.38	897	1	0.02	16	270	15	<0.01	<2	3	26
10-09		10	<1	0.09	10	0.36	412	1	0.01	16	310	15	<0.01	<2	3	23
10-10		10	<1	0.07	10	0.24	337	1	0.02	10	290	10	<0.01	<2	2	24
10-11		10	<1	0.06	10	0.52	386	1	0.01	24	210	12	<0.01	<2	3	20
10-12		10	<1	0.40	10	1.09	2010	1	0.02	36	1320	26	<0.01	<2	5	51
10-13		10	<1	0.07	10	0.67	267	2	0.02	23	230	13	<0.01	<2	4	26
10-14		10	<1	0.06	10	0.39	839	1	0.02	17	260	11	<0.01	<2	3	33
10-15		10	<1	0.04	10	0.38	862	1	0.01	22	230	21	<0.01	<2	3	26
10-16		10	<1	0.08	10	0.44	531	1	0.01	19	270	15	<0.01	<2	4	24
10-17		<10	<1	0.16	10	0.38	1145	1	0.02	17	220	80	<0.01	<2	3	30
10-18		10	<1	0.12	10	0.44	740	1	0.02	14	210	41	<0.01	<2	4	38
10-19		<10	<1	0.09	10	0.43	554	1	0.02	17	180	11	<0.01	<2	3	28
10-20		10	<1	0.25	20	0.97	898	1	0.02	30	270	19	<0.01	<2	12	45
10-21		10	<1	0.06	10	0.51	413	1	0.01	22	190	11	<0.01	<2	3	29
11-01		10	<1	0.24	10	0.57	753	1	0.02	31	250	16	<0.01	<2	6	27
11-02		10	<1	0.10	10	0.48	555	1	0.02	24	270	17	<0.01	<2	6	33
11-03		10	<1	0.19	10	0.54	636	2	0.02	25	290	33	<0.01	<2	6	38
11-04		10	<1	0.17	10	0.43	449	1	0.02	20	340	15	<0.01	<2	5	26
11-05		<10	<1	0.07	10	0.40	357	1	0.02	18	290	14	<0.01	<2	5	31
11-06		<10	<1	0.10	10	0.40	612	1	0.03	19	180	12	<0.01	<2	5	39
11-07		10	<1	0.48	30	0.68	457	2	0.01	48	350	75	<0.01	<2	8	31
11-08		10	<1	0.10	10	0.42	907	1	0.02	23	200	13	<0.01	<2	6	34
11-09		<10	<1	0.15	10	0.41	719	1	0.02	23	230	26	<0.01	<2	6	35
11-10		10	<1	0.14	10	0.40	743	2	0.02	19	570	14	<0.01	<2	5	34
11-11		10	<1	0.26	10	1.07	506	1	0.03	38	1210	15	0.03	<2	7	111
11-12		10	<1	0.24	20	1.31	611	1	0.03	49	870	20	<0.01	<2	10	61
11-13		10	<1	0.37	20	1.19	490	1	0.03	39	900	10	0.01	<2	9	97
11-13B		10	<1	0.23	10	1.26	419	1	0.03	55	1260	28	0.01	<2	6	75
11-14		<10	<1	0.11	20	0.50	621	1	0.03	35	320	23	<0.01	<2	6	53
11-15		10	<1	0.10	10	0.52	484	1	0.03	27	370	82	<0.01	<2	5	54
11-16		<10	<1	0.16	20	0.42	625	2	0.02	19	210	21	<0.01	<2	6	42
11-17		10	<1	0.13	10	0.39	636	1	0.02	21	190	15	0.02	<2	5	43
11-18		<10	<1	0.14	10	0.36	398	1	0.02	18	170	14	0.02	<2	4	27



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
10-01		20	0.07	<10	<10	55	<10	90
10-02		<20	0.08	<10	<10	66	<10	55
10-03		<20	0.08	<10	<10	53	<10	59
10-04		<20	0.07	<10	<10	59	<10	53
10-05		<20	0.11	<10	<10	80	<10	59
10-06		<20	0.17	<10	<10	90	<10	66
10-07		<20	0.28	<10	<10	111	<10	85
10-08		<20	0.08	<10	<10	73	<10	65
10-09		<20	0.07	<10	<10	66	<10	55
10-10		<20	0.08	<10	<10	65	<10	38
10-11		<20	0.09	<10	<10	72	<10	52
10-12		<20	0.13	<10	<10	88	<10	166
10-13		<20	0.12	<10	<10	89	<10	59
10-14		<20	0.08	<10	<10	70	<10	55
10-15		<20	0.06	<10	<10	68	<10	56
10-16		<20	0.07	<10	<10	64	<10	55
10-17		<20	0.07	<10	<10	54	<10	75
10-18		<20	0.06	<10	<10	66	<10	144
10-19		<20	0.08	<10	<10	63	<10	49
10-20		<20	0.09	<10	<10	101	<10	137
10-21		<20	0.08	<10	<10	67	<10	65
11-01		<20	0.10	<10	<10	70	<10	76
11-02		<20	0.09	<10	<10	64	<10	63
11-03		<20	0.07	<10	<10	64	<10	76
11-04		<20	0.08	<10	<10	61	<10	56
11-05		<20	0.08	<10	<10	57	<10	46
11-06		<20	0.10	<10	<10	60	<10	40
11-07		20	0.08	<10	<10	53	<10	121
11-08		<20	0.09	<10	<10	64	<10	44
11-09		<20	0.07	<10	<10	54	<10	47
11-10		<20	0.06	<10	<10	53	<10	38
11-11		<20	0.09	<10	<10	68	<10	56
11-12		<20	0.12	<10	<10	89	<10	73
11-13		<20	0.12	<10	<10	88	<10	67
11-13B		<20	0.10	<10	<10	68	<10	71
11-14		<20	0.07	<10	<10	56	<10	59
11-15		<20	0.08	<10	<10	60	<10	63
11-16		<20	0.03	<10	<10	51	<10	46
11-17		<20	0.07	<10	<10	57	<10	50
11-18		<20	0.07	<10	<10	55	<10	47



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WHITEHORSE YT Y1A 5C4

CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
11-19		0.34	0.011	0.3	1.55	67	<10	510	0.9	<2	0.75	<0.5	7	28	28	2.60
11-20		0.40	<0.005	0.2	2.12	12	<10	650	0.7	<2	0.89	0.6	10	76	28	3.29
11-21		0.40	<0.005	<0.2	1.61	4	<10	560	0.6	<2	0.51	<0.5	7	21	14	2.48
12-01		0.54	0.011	0.3	0.91	12	<10	780	0.6	<2	0.44	<0.5	12	15	29	3.43
12-02		0.60	<0.005	<0.2	1.29	4	<10	680	0.8	<2	0.64	<0.5	8	21	18	2.42
12-03		0.40	<0.005	<0.2	1.48	5	<10	800	0.5	<2	0.33	<0.5	6	23	10	2.28
12-04		0.52	0.005	<0.2	1.47	9	<10	750	<0.5	<2	0.39	<0.5	7	25	10	2.38
12-05		0.66	<0.005	<0.2	1.42	3	<10	440	<0.5	<2	0.12	<0.5	5	21	6	2.10
12-06		0.50	0.005	<0.2	1.45	7	<10	670	<0.5	<2	0.27	<0.5	8	26	9	2.55
12-07		0.44	<0.005	<0.2	1.85	11	<10	990	0.6	<2	0.25	<0.5	10	30	17	3.24
12-08		0.40	<0.005	<0.2	1.49	11	<10	540	0.6	<2	0.21	<0.5	12	29	20	3.10
12-09		0.40	<0.005	<0.2	1.63	18	<10	580	0.7	<2	0.52	<0.5	16	37	25	3.84
12-10		0.44	0.006	<0.2	3.42	9	<10	640	1.3	<2	0.89	<0.5	39	92	78	8.41
12-11		0.50	<0.005	<0.2	2.25	18	<10	610	1.2	<2	0.46	<0.5	21	54	75	5.78
12-12		0.42	0.007	0.2	4.12	8	<10	1080	0.6	<2	0.99	<0.5	41	195	215	6.67
12-13		0.56	0.010	0.3	1.65	84	<10	170	0.8	<2	0.09	<0.5	14	29	32	4.22
12-14		0.46	0.126	0.5	2.13	458	<10	330	0.6	<2	0.14	<0.5	10	31	15	3.31
12-15		0.42	0.006	<0.2	0.93	30	<10	360	<0.5	<2	0.26	<0.5	5	16	10	1.83
12-16		0.50	0.007	0.2	1.31	10	<10	620	1.0	<2	0.23	<0.5	9	21	22	3.04
12-17		0.42	0.009	0.3	1.97	25	<10	880	0.8	<2	0.26	<0.5	14	50	30	3.66
12-18		0.46	0.006	0.3	1.70	9	<10	590	0.8	<2	0.49	<0.5	10	34	26	3.30
12-19		0.44	<0.005	<0.2	1.61	6	<10	370	<0.5	<2	0.36	<0.5	11	25	10	3.03
13-01		0.58	0.006	0.4	1.15	56	<10	590	0.9	<2	0.18	<0.5	14	23	39	3.76
13-02		0.64	0.018	0.3	0.47	34	<10	320	0.8	<2	0.67	<0.5	13	8	49	3.68
13-03		0.56	0.012	0.3	0.91	23	<10	500	0.7	<2	1.09	<0.5	15	16	40	3.33
13-04		0.44	0.011	0.2	1.24	50	<10	380	0.9	<2	0.84	<0.5	14	17	33	4.65
13-05		0.54	0.006	<0.2	1.87	9	<10	460	1.5	<2	1.76	<0.5	19	20	34	5.12
13-06		0.66	0.023	0.2	3.05	34	<10	690	2.0	<2	1.49	<0.5	43	38	181	9.24
13-07		0.62	0.080	0.2	1.42	67	<10	690	0.9	2	0.54	<0.5	15	25	39	4.30
13-08		0.56	0.041	6.7	2.84	14	<10	290	0.7	<2	0.16	0.6	13	44	26	3.30
13-09		0.54	0.164	1.0	1.20	175	<10	90	<0.5	<2	0.08	0.6	5	22	26	2.98
13-10		0.64	0.114	0.3	1.14	115	<10	260	<0.5	<2	0.21	<0.5	8	25	21	2.49
13-11		0.56	0.043	0.6	1.75	137	<10	220	<0.5	<2	0.18	<0.5	9	30	21	2.55
13-12		0.56	0.083	1.0	2.65	219	<10	440	0.7	<2	0.29	<0.5	10	42	34	3.59
13-13		0.52	0.030	0.3	1.14	131	<10	90	<0.5	<2	0.11	<0.5	5	19	12	1.94
13-14		0.62	0.033	<0.2	1.79	202	<10	170	<0.5	<2	0.13	<0.5	7	26	14	2.79
13-15		0.42	0.030	0.2	1.90	148	<10	220	<0.5	<2	0.23	<0.5	7	28	17	2.54
13-16		Not Recvd														
13-17		0.50	0.016	<0.2	1.34	76	<10	210	<0.5	<2	0.49	<0.5	6	33	14	2.45
13-18		0.52	0.020	<0.2	1.64	88	<10	210	0.5	<2	0.21	<0.5	10	31	18	2.71



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Total # Pages: 6 (A - C)

Finalized Date: 13-OCT-2009

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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
11-19		<10	<1	0.12	10	0.39	271	1	0.02	18	280	21	0.03	<2	5	50
11-20		10	<1	0.29	10	1.11	713	1	0.02	25	310	17	0.02	<2	8	57
11-21		10	<1	0.16	10	0.56	264	1	0.02	12	290	14	0.02	<2	3	43
12-01		<10	<1	0.10	20	0.26	551	2	0.02	14	580	19	0.05	<2	8	51
12-02		<10	<1	0.14	10	0.31	353	1	0.02	15	160	15	0.02	<2	7	68
12-03		10	<1	0.08	10	0.32	206	1	0.02	12	120	12	0.02	<2	3	37
12-04		<10	<1	0.08	10	0.33	271	1	0.01	15	170	12	0.02	<2	2	37
12-05		<10	<1	0.06	10	0.26	149	1	0.01	11	90	9	0.01	<2	2	13
12-06		10	<1	0.08	10	0.38	356	1	0.02	14	150	14	0.02	<2	3	36
12-07		10	<1	0.08	10	0.47	368	1	0.02	19	180	12	0.02	<2	5	58
12-08		<10	<1	0.11	10	0.36	732	2	0.02	18	310	15	0.03	<2	4	41
12-09		10	<1	0.16	10	0.60	636	1	0.02	24	390	16	0.04	<2	7	50
12-10		10	<1	0.18	<10	2.31	927	1	0.04	70	560	7	0.09	<2	30	86
12-11		10	<1	0.11	20	1.00	941	1	0.02	53	680	9	0.04	<2	15	45
12-12		10	<1	0.41	<10	4.46	1050	<1	0.05	58	840	6	0.06	<2	25	83
12-13		10	<1	0.05	10	0.28	324	2	0.01	38	280	14	0.02	<2	5	12
12-14		10	<1	0.04	10	0.32	383	1	0.01	23	230	11	0.02	<2	4	16
12-15		<10	<1	0.06	10	0.20	264	1	0.01	10	300	7	0.02	<2	2	30
12-16		<10	<1	0.09	20	0.22	401	1	0.01	11	640	45	0.02	<2	4	23
12-17		10	<1	0.06	10	0.50	539	1	0.02	27	360	14	0.03	<2	9	32
12-18		<10	<1	0.08	10	0.48	410	2	0.02	20	440	21	0.03	<2	6	48
12-19		10	<1	0.08	10	0.41	829	2	0.01	14	270	9	0.02	<2	3	31
13-01		<10	<1	0.07	30	0.30	532	2	0.01	40	450	24	0.02	<2	6	19
13-02		<10	<1	0.07	20	0.19	425	2	0.01	22	840	29	0.06	3	8	79
13-03		<10	<1	0.08	20	0.32	425	1	0.02	29	630	27	0.08	2	5	119
13-04		<10	<1	0.09	20	0.27	727	1	0.01	22	560	19	0.05	2	7	58
13-05		<10	<1	0.16	20	0.59	1025	1	0.02	19	1540	13	0.06	<2	14	111
13-06		10	<1	0.10	10	1.24	1320	<1	0.03	25	4060	13	0.13	<2	36	116
13-07		10	<1	0.08	20	0.41	530	1	0.02	32	510	12	0.04	<2	8	59
13-08		10	<1	0.04	10	0.41	347	2	0.01	22	340	36	0.03	2	6	17
13-09		10	<1	0.05	10	0.25	176	1	0.01	13	290	186	0.05	7	2	13
13-10		<10	<1	0.04	10	0.35	362	1	0.01	15	290	97	0.02	3	4	22
13-11		10	<1	0.04	10	0.38	318	1	0.02	17	340	121	0.03	<2	3	19
13-12		10	<1	0.06	10	0.47	417	2	0.02	27	470	154	0.04	<2	6	32
13-13		10	<1	0.04	10	0.22	188	1	<0.01	9	280	55	0.02	2	2	11
13-14		10	<1	0.04	10	0.31	328	1	<0.01	13	340	91	0.02	2	3	13
13-15		<10	<1	0.07	10	0.37	346	<1	<0.01	14	540	65	0.04	<2	3	18
13-16																
13-17		10	<1	0.06	10	0.38	263	2	<0.01	19	330	17	0.04	<2	3	81
13-18		<10	<1	0.05	10	0.49	249	<1	<0.01	19	110	9	0.01	<2	5	28



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
11-19	<20	0.04	<10	<10	51	<10	78	
11-20	<20	0.10	<10	<10	78	<10	135	
11-21	<20	0.04	<10	<10	54	<10	65	
12-01	<20	0.02	<10	<10	34	<10	82	
12-02	<20	0.03	<10	<10	39	<10	40	
12-03	<20	0.04	<10	<10	52	<10	31	
12-04	<20	0.05	<10	<10	54	<10	36	
12-05	<20	0.03	<10	<10	50	<10	31	
12-06	<20	0.06	<10	<10	55	<10	35	
12-07	<20	0.05	<10	<10	62	<10	51	
12-08	<20	0.05	<10	<10	60	<10	51	
12-09	<20	0.04	<10	<10	62	<10	70	
12-10	<20	0.05	<10	<10	259	<10	62	
12-11	<20	0.04	<10	<10	104	<10	85	
12-12	<20	0.20	<10	<10	199	<10	68	
12-13	<20	0.04	<10	<10	61	<10	74	
12-14	<20	0.05	<10	<10	64	<10	43	
12-15	<20	0.04	<10	<10	38	<10	39	
12-16	<20	0.02	<10	<10	44	<10	130	
12-17	<20	0.04	<10	<10	67	<10	61	
12-18	<20	0.04	<10	<10	49	<10	75	
12-19	<20	0.08	<10	<10	65	<10	49	
13-01	<20	0.03	<10	<10	37	<10	102	
13-02	<20	0.01	<10	<10	20	<10	111	
13-03	<20	0.02	<10	<10	25	<10	77	
13-04	<20	0.02	<10	<10	39	<10	73	
13-05	<20	0.02	<10	<10	81	<10	60	
13-06	<20	0.02	<10	<10	162	<10	72	
13-07	<20	0.03	<10	<10	48	<10	67	
13-08	<20	0.09	<10	<10	70	<10	79	
13-09	<20	0.06	<10	<10	49	<10	120	
13-10	<20	0.07	<10	<10	45	<10	56	
13-11	<20	0.08	<10	<10	58	<10	52	
13-12	<20	0.08	<10	<10	73	<10	77	
13-13	<20	0.07	<10	<10	48	<10	39	
13-14	<20	0.07	<10	<10	63	<10	49	
13-15	<20	0.06	<10	<10	53	<10	61	
13-16								
13-17	<20	0.05	<10	<10	52	<10	43	
13-18	<20	0.06	<10	<10	55	<10	43	



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
13-19		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
		0.64	0.059	1.1	1.75	511	<10	340	<0.5	<2	0.21	<0.5	5	19	8	2.79



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CERTIFICATE OF ANALYSIS VA09107056

Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Sample Description	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
13-19	<10	<1	0.05	10	0.22	561	1	<0.01	10	260	127	0.03	2	2	25



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CERTIFICATE OF ANALYSIS VA09107056

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
13-19		<20	0.02	<10	<10	48	<10	39