EAGLE PLAINS RESOURCES LTD.

PROSPECTING & GEOLOGICAL MAPPING AT THE ZNK PROPERTY, ITSI MOUNTAIN AREA, YUKON TERRITORY

Mike Power, M.Sc. P.Geo.

Claim name	Record Number	Expiry date
ZNK 1 - 18	YC46435 - YC49452	March 7, 2008

Location: 62° 53' N 130° 20' W
NTS: 105 J 16
Mining District: Watson Lake
Work performed: August 6-14, 2007
Date: December 5, 2007

SUMMARY

The ZNK Property is located 147 km NE of Ross River and consists of 18 claims staked under the Yukon Quartz Mining Act. The property hosts zinc mineralization and is a new discovery made in 2006, not documented in the Yukon Minfile. It was staked in 2007 and is owned by Eagle Plains Resources Ltd. This report describes the results of a work program consisting of prospecting, geological mapping, and soil geochemical surveys conducted in August 2007.

The ZNK Property is underlain by deformed metasediments of the Earn and Road River Groups and is overlain by a variable thickness of till and soil. Most of the property is underlain by argillites, locally cherty or graphitic, lesser slates and phyllites and by several minor basaltic flows capped intermittently by thin quartz exhalite horizons. The property abuts the Itsi Mountain granodiorite pluton and the metasediments are intruded by fine crystalline dikes of equivalent composition.

Economic mineralization is hosted in a thin (1-2 m) quartz-limonite horizon, conformable with surrounding stratigraphy and containing disseminated pyrite and pyrrhotite, lesser sparse sphalerite and rare chalcopyrite. This Main Zone has a strike length of 40 m and is steeply dipping. Best assays from this zone collected during the 2007 program were 1.29% Zn and 307 ppm Ag. Mineralization of lower tenor is associated with a volcanic flow stratigraphically beneath the Main Zone.

No future work is recommended on this showing at this time, pending the results of gold assays.

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1.0 INTRODUCTION

This report describes prospecting, geological mapping and geochemical surveys conducted on the ZNK Property held by Bootleg Exploration Inc. in the Watston Lake Mining District, Yukon Territory. This work was conducted to investigate zinc-lead sedimentary-exhalative mineralization found on the property.

2.0 LOCATION AND ACCESS

The ZNK Property is located south of Itsi Mountain in the Watston Lake Mining District and is centred at approximately 62° 53' N 130° 20' W (Figure 1). The property is 147 km northeast of Ross River and is accessible by helicopter from staging points on the North Canol Road. The closest staging point is the MacMillan River bridge, 16 km NNW of the property. There is a borrow pit and ample room for slinging and parking at this location.

3.0 PROPERTY DESCRIPTION

The ZNK Property consists of 18 un-surveyed Quartz Claims staked under the Yukon Quartz Mining Act and recorded in the Watson Lake Mining District. Claim information is summarized below[1]:

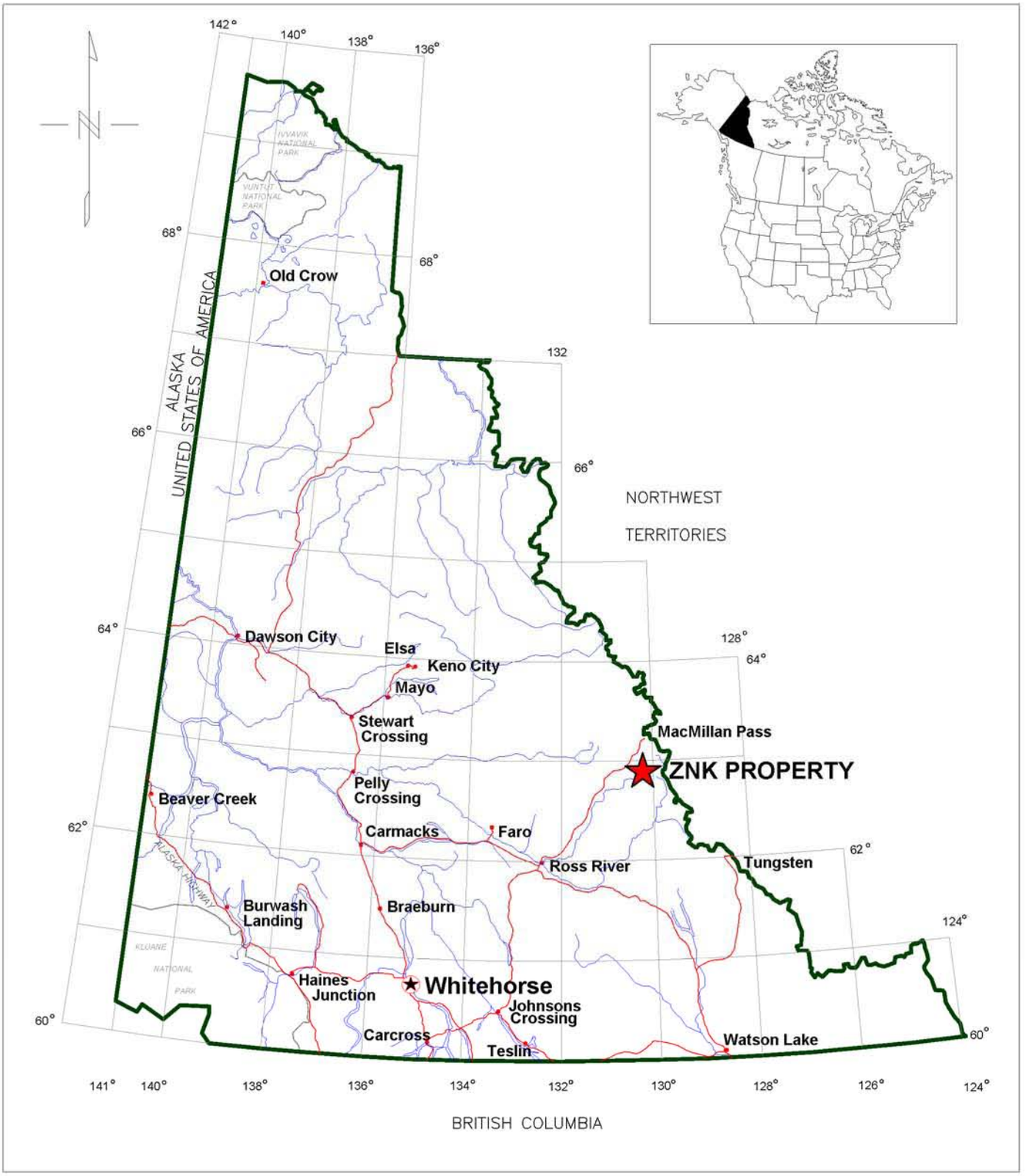
Claim name	Record Number	Expiry date
ZNK 1 - 18	YC46435 - YC49452	March 7, 2008

The claims are owned 100% by Eagle Plains Resources Ltd. The claims can be maintained in good standing indefinitely by performing $100 per claim per year of assessment work or paying the same amount in lieu and paying associated filing fees of $10 per claim. The claims are located on Crown Land and surface rights are retained by the Crown.

4.0 EXPLORATION HISTORY

In September 2006, Bootleg conducted a reconnaissance program in the property area designed to investigate elevated GSC regional lead and zinc stream sediment

[1] Claim information as of December 4, 2007 as posted on the Yukon Mining Recorders website (www.yukonminingrecorders.ca). Claim expiry dates do not reflect the value of work documented in this report.



100000 0 100000
(meters)

Bootleg Exploration Inc.

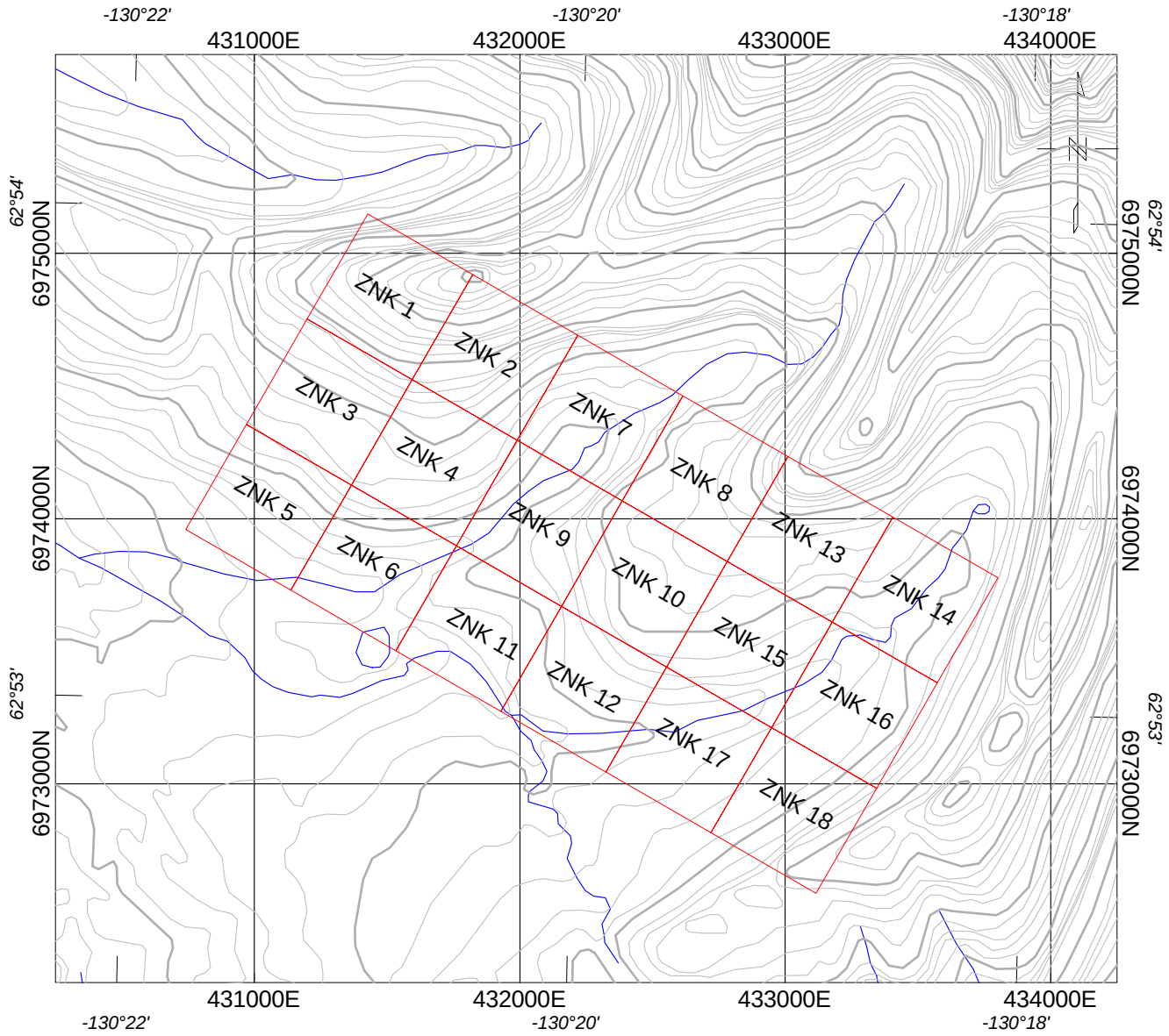
ZNK PROPERTY

Figure 1 - Property Location Map

NTS: 105 J/16
Datum: NAD83
Job: BEI-4546-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 24 Oct 07

Aurora Geosciences Ltd.



Scale 1:25000

250 0 250 500

(meters)

NAD83 / UTM zone 9N

BOOTLEG EXPLORATION INC.

ZNK PROPERTY
Figure 2. Claim Location Map

NTS: 105 J/16 — Mining District: Watson Lake
Datum: NAD 83 — Projection: UTM Zone 9N
Job: BEI-7546-YT — Date: 23 Oct 07

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anomalies. During that program, the crew collected a sample of mineralized float which returned assays of 3.85% Zn and 12.6 g/t Ag. The ZNK Property was staked to cover the area surrounding the showing and any possible strike extension to the mineralization.

5.0 DESCRIPTION OF WORK PROGRAM

This section describes the prospecting, geological and geochemical investigations conducted on the ZNK Property from August 6 to 14, 2007.

5.1 Personnel & equipment.

The work program was conducted by the following personnel:

Crew chief:	Mike Power, M.Sc., P.Geo.
Field assistants:	Eric Morrow

The crew were equipped with the following instruments and equipment:

Instruments:	3 - Garmin DGPS receivers
Equipment:	1 - 4 man camp (sleeper / kitchen tents) 1 - 2 KW generator 1 - Satellite phone 2 - VHF radios
Vehicles:	1 - 1 Ton truck

The survey log in Appendix B includes the names and addresses of all persons employed and a detailed description of daily operations. A statement of costs is compiled in Appendix C.

5.2 Specifications.

Prospecting and geological mapping were conducted according to the following specifications:

Mapping datum:	NAD83 Zone 9N UTM (metric)	
Station location:	WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.	
Station records:	*Geological stations:*	Lithology, structure, samples & descriptions
	Prospecting stns:	Sample descriptions, general rock type
Sample marking:	All samples were marked with blue and orange flagging. The sample number was written on a portion of the flagging covered from weather and sunlight.	

Geochemical surveys were conducted according to the following specifications:

Mapping datum:	NAD83 Zone 9N UTM (metric)
Station location:	WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.
Sampling:	For each sample, the sample material was noted by the sampler. Where the horizon was present and accessible, samples were taken from the B-horizon (below organic layer).
Sample marking:	All samples were marked with flagging. Sample names were abbreviations of the line and station where the sample was collected.

5.3 Sample analysis.

All samples were analyzed by the Teck Cominco Global Discover Laboratory in Vancouver. This laboratory has a certificate of Lab Proficiency from the Proficiency Testing Program for Mineral Analysis Laboratories provided by Natural Resources Canada. Rock samples were prepared for analysis by:

1. Drying at 45-60^0 C overnight
2. Coarse crushing to 60% -6mm.
3. Fine crushing to 90% - 2mm
4. Sample splitting on a Jones Riffler to produce a 250 to 300 g subsample.
5. Milling the subsample in a Rock Labs "puck and ring" mill to produce a pulp (95% through 150 mesh)

Stream and soil samples were prepared for analysis by:

1. Drying at 45-60^0 C overnight
2. Samples were sieved through a -80 m screen
3. Oversize material was discarded and the remainder retained with target weight exceeding 40 g.

Rock, soil and stream samples after preparation were analyzed by first digesting a 0.5 g sample in *aqua regia* at 95^0 C for 3 hours, shaking the sample every 20 to 30 minutes. Thereafter the sample was diluted and mixed in a vortex prior to 28 element induced coupled plasma (ICP) analysis. Samples were analyzed for the following elements: Cu, Pb, Zn, Ag, As, Ba, Cd, Co, Ni, Fe, Mo, Cr, Bi, Sb, V, Sn, W, Sr, Y, La, Mn, Mg, Ti, Al, Ca, Na, K and P. For each set of 36 samples, 3 repeats were taken and an in-house or commercial standard was also analyzed.

5.4 Data.

Geological mapping and prospecting station notes are compiled in Appendix D. Appendix E contains the geochemical samplers' notes on the composition of each sample and the sample sites. A compilation of rock sample and soil geochemical results are contained in Appendices F and G: Assay certificates are in Appendix H. The results of the prospecting, mapping and geochemical surveys are discussed in Sections 9 and 10.

6.0 PHYSIOGRAPHY & CLIMATE

The ZNK Property is located in the Itsi Range of the Selwyn Mountains. The property is on the southwest slope of the range and elevations range from 1360 to 2230 m in the property area. The terrain is predominantly covered by soil and till at lower elevations and by talus fans and boulder fields near the base of steep slopes. Outcrop is found on ridge tops, along ridge crests and in the creek valleys, but is otherwise scarce. Permafrost was not encountered in any excavations.

The property is centred on a SW draining creek (ZNK Creek) which merges with a larger, west draining creek to the south (Chemical Creek). There is a lake in the ZNK Creek valley bottom and a large flat area to the north which would be suitable for a camp. Water sufficient for drilling was readily available in the creeks during the 2007 season.

The eastern portion of the property area is covered by moss, grass and lichen with patches of willows while the southwestern portion of the claims are below tree line in an area of sparse spruce and locally thick willows and alders. The climate in the property area consists of long, cold winters, short wet summers and short spring and fall seasons. At Ross River and Faro, the closest nearby communities, average temperatures range from -22^0 C in January to $+15^0$ C in July and the area receives 16 cm of rain and 74 cm of snow on average (Environment Canada, 2007).

7.0 REGIONAL GEOLOGY

The regional geology in the property area is summarized by Gordey & Makepeace (1999) and by Roddick and Green (1961). The property lies in the Selwyn Basin of ancestral North American, an autochthonous assemblage of dominantly deep water marine sediments with carbonates and volcanic units (Figure 3). The rocks in the property area have been affected by the intrusion of the mid-Cretaceous Itsi Pluton. The following formations are mapped in the property area:

Formation [Map symbol - Figure 3] (Age)	Description
Overburden (Quaternary - Holocene)	Talus, elluvial soil, and till.

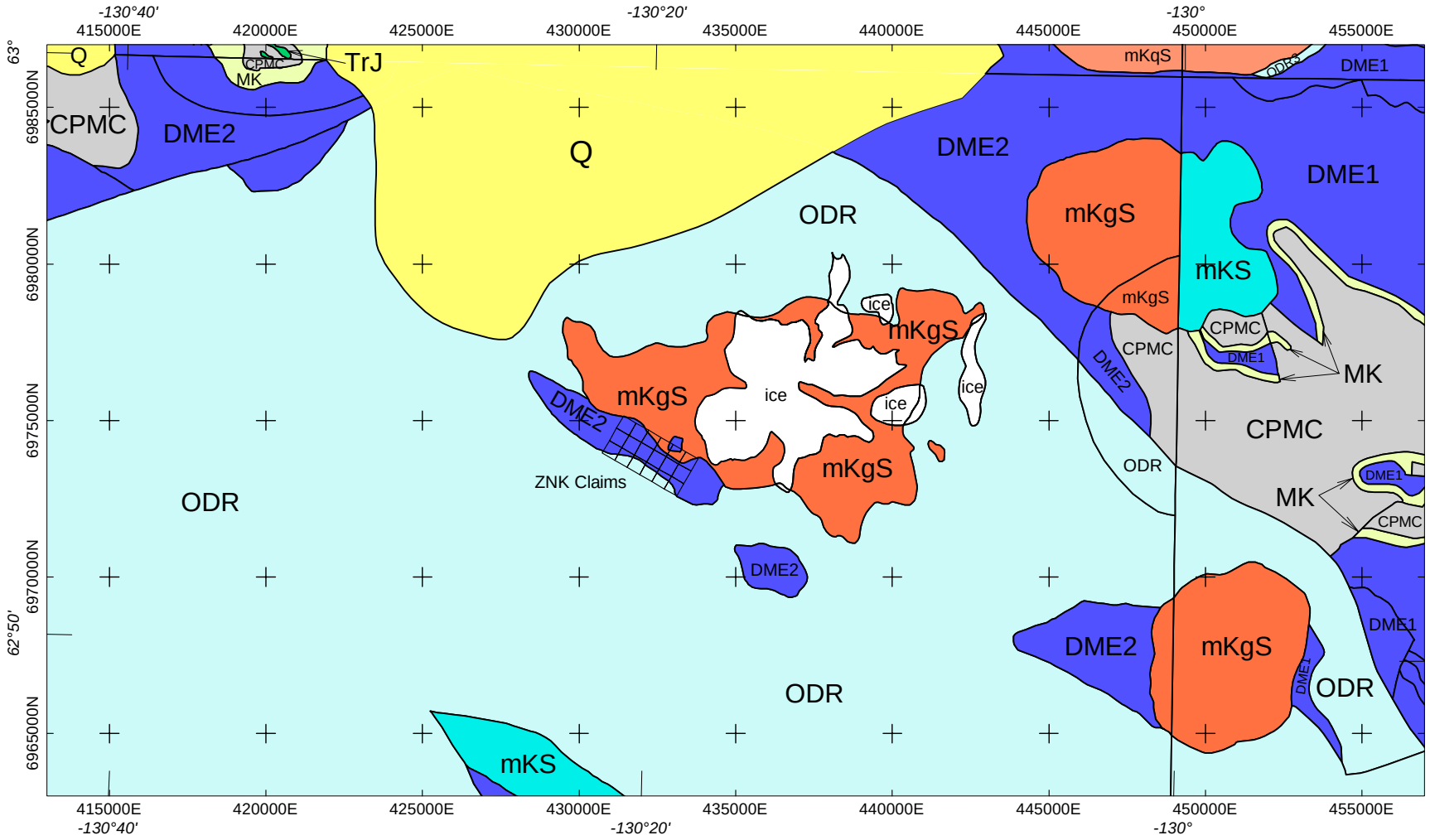

Figure 3 - Regional Geology Map

Formations as described in Table 1

Itsi Pluton [**mKgS**] (mid-Cretaceous)	Resistant, blocky, fine to coarse grained, equigranular to porphyritic (K-feldspar) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite.
Earn Group [**DME2**] (Devonian - Mississippian)	Silvery blue weathering black shale, argillite, cherty argillite and thin bedded chert; nodular and bedded barite;
Road River Group [**ODR**] (Ordovician - Silurian)	Back shale and chert overlain by orange siltstone or buff platy limestone

The structural geology of the area is summarized by Roddick and Green (1961). Paleozoic strata are intensely deformed by folding and less evident faulting with the dominant structural grain striking WNW - ESE in the property area. Foliation striking approximately 290^0 and dipping 50^0 SW is mapped in the property area. This grain persists surrounding the large Itsi Mountain pluton. On the whole, rocks in the property area dip to the NE, with tops dominantly facing NE.

8.0 PROPERTY GEOLOGY

Figure 4 depicts the geology mapped on the property during the 2007 program and Figure 5 is a detail map showing the geology in the area of the main showing.

8.1 Rock units

The following rock units are mapped on the property:

Unit (Age)	Description
Overburden (Quaternary - Holocene)	Talus, organic and elluvial soil, boulder till.
Conglomerate [**CG**]	Conglomerate: flat to very gently dipping, poorly indurated, poorly sorted boulder conglomerate containing rounded clasts of granodiorite and argillite.

Itsi Pluton [**GR**]	Granodiorite: massive, medium crystalline (1-2mm), subhedral plag-qtz-biotite.
Resistive argillite [**EG**]	Argillite: dominantly resistive, thinly laminated / foliated, black argillite; locally with massive to thick bedded mottled greywacke, chert, graphitic shale and thinly laminated slatey maroon shale. Three minor basalt units varying from 0.5 to 10 m thick occur in the lower portion of the formation.
Recessive argillite [**RRG**]	Argillite: brown-red grey slatey shale grading down to black, recessive but locally resistive black thin bedded argillite.

The Recessive Argillite (**RRG**) consists of a basal black argillite grading upwards (to the north) into an overlying light brown-red slatey argillite. The lower argillite is black to very dark grey weathering into small blocky to slatey pebbles, and into finer grain talus and mud. The rock is thinly laminated (2 - 8 cm) with limonite and hematite stain along joints and foliation surfaces. Bedding is difficult to discern but appears to be sub-parallel with foliation throughout the unit. The lower argillite is very poorly exposed except in the steeply eroded valley bottom of Chemical Creek (Figure 6). The uppermost section of the **RRG** unit consists of light grey to brown-red weathering slatey argillite. This argillite weathers into palm sized, thinly laminated (0.5 to 3 cm) slate and locally into thin rod-shaped fragments. The rock is dark to medium grey, very finely crystalline, and locally contains light grey bands. This unit forms a scarp at the base of the Resistive Argillite (Figure 7) and grades up into it. Bedding is difficult to discern in this unit unless the light grey bands are assumed to be primary compositional layers. The Recessive Argillite is interpreted to be the Road River Group in the property area.

Figure 6. Lower black argillite member of **RRG** on Chemical Creek

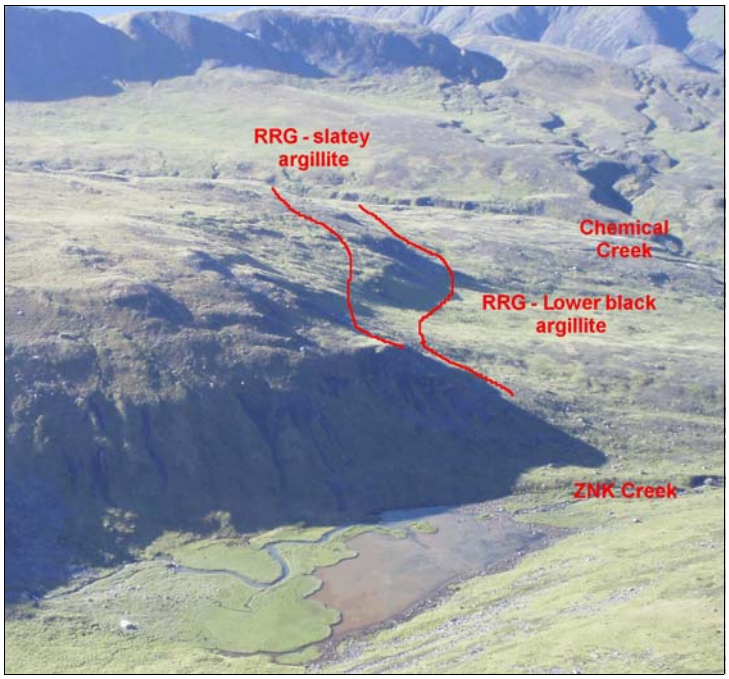

Figure 7. View of **RRG** unit from NW.

Unit **EG** consists of basal slatey argillite and greywacke with thin interbedded basalt flows, grading up into a recessive black graphitic shale which is capped by resistive, locally chert-rich argillite. This unit is in lower gradational contact with **RRG** to the SW and is intruded by the Itsi Granodiorite (**GR**) to the NE. This rock unit is interpreted to be the Road River Group on the property.

The basal slatey argillite is medium grey to rusty brown and orange-purple-brown. It is prone to weather into palm sized fragments or into rod like or blocky fragments in the axial zone of small scale folds. The basal slatey argillite grades laterally and upwards into massive to thick-bedded greywacke (**EG-gw**). The greywacke unit is medium to dark grey mottled with small white specks and small to quite large black patches. The rock is resistive and weathers into blocky boulder patches or forms small scarps. Bedding tops are irregular and from 10 to 30 cm apart. The white specks are subrounded opaque white quartz or plagioclase up to 3 mm in diameter. The darker patches are angular, generally rectangular, randomly oriented argillite clasts to 10 cm in length.

The greywacke unit grades up into medium grey argillite and thence into a recessive, black graphitic argillite, similar to the black argillite at the base of the underlying **RRG** unit. Finally, the unit is capped by a resistive, black, locally cherty argillite unit characterized by medium to massive bedding. Greywacke occurs within this layer above the graphitic argillite.

The lower portion of the **EG** unit contains four separate volcanic horizons, similar in field petrology but differing in thickness and structural position. The volcanic rocks are dark grey to dark greenish-grey weathering purple-brown, orange-brown to black into pillows 40 to 60 cm in size. The pillows have chlorite selvages surrounding them and some pillows have a brown iridescence tinge. The rocks contain a very fine crystalline to aphanitic ground mass of hornblende with light coloured plagioclase to 0.2 mm. The flows appear to be slightly foliated with the foliation defined by fractures. The flows contain pyrite from <1% to over 10% in euhedral to subhedral crystals from 0.2 to 2 mm. The largest of these units occurs at the base of the **EG** formation and extends for over 900 m from Chemical Creek to ZNK Creek,. This member thickens from less than a metre on the eastern end to over 10 m at the western end where it is abruptly terminated near a later stage dyke. This lowermost member is also characterized by a quartz rich (?exhalite) layer which occurs within and more commonly along the top of the member. Three thin stacked flows higher up in the sequence are folded in a NW plunging syncline. They are similar to the lower member except that they lack the laterally extensive exhalite associated with the lower member.

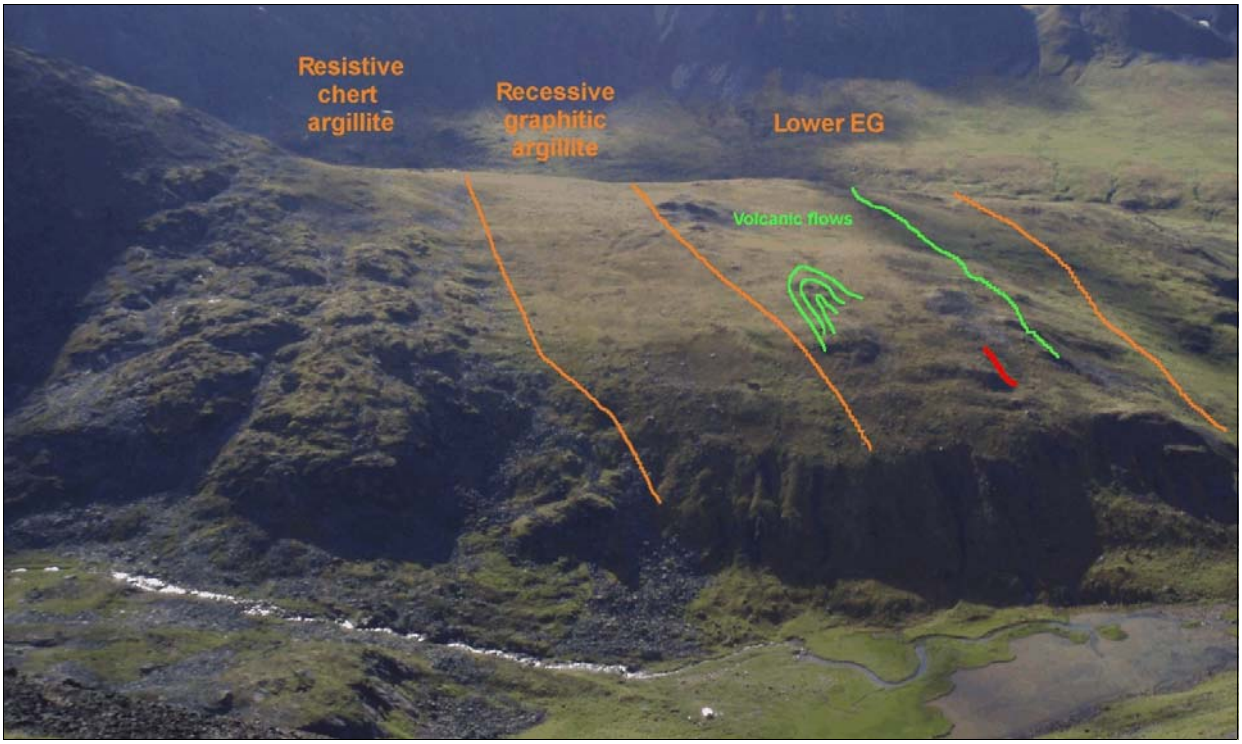

Figure 8. View of **EG** unit from the NW showing the approximate location of the different members. The interpreted exhalite horizon associated with the Main Showing is indicated in red.

The interpreted exhalite layer occurs at the top of the lower volcanic flow, within this flow where it bifurcates or contains interbedded argillite and above this flow within the lower **EG**. The exhalite within the argillite hosts the main showing.

The exhalite associated with the lower volcanic sequence consists of mottled medium to light grey, very fine crystalline quartz and chert, weathering rusty brown and orange brown. The rock is locally characterized by conchoidal fracture and irregular laminations from 1 to 3 cm apart. These rocks contain up to 20% pyrite and pyrrhotite in either disseminated fine euhedral crystals to 0.2 mm or in coarse blebs. The exhalite within the argillite is different insofar as it is thicker (up to 3.4 m) and appears to be zoned from the base (SW side) to the top (NE side).

Unit **EG** is in intrusive contact with granodiorite of the Itsi Pluton (**GR**). This rock unit occurs on the northern boundary of the property and as dykes within the **EG** unit. North

of the property, the granodiorite is mottled brown and white weathering light brown, massive, medium crystalline and contains anhedral to euhedral plagioclase, quartz and biotite. Iron staining is common near the intrusive contact with the resistant argillite but there is no extensive hornfels within the metasedimentary rocks. Dykes of fine crystalline granodiorite are found near the Main Showing and in the northeast corner of the property. These are typically dark grey weathering tan to buff brown, massive, very fine crystalline and contain from trace to 1 or 2% pyrite.

The youngest rock unit (**CG**) is a poorly indurated conglomerate from 1 to 3 m thick found at an elevation of about 1560 to 1580 m in the area of the main showing and at lower elevations on Chemical Creek. This unit, best preserved along the upper portion of Chemical Creek, is brown weathering, light to medium grey, massive to poorly bedded and poorly sorted. Clasts of granodiorite and argillite from silt to cobble size occur within a matrix of graphitic argillite. Dips within this unit are gentle and slope in the same direction as the modern drainages. This unit is interpreted to be a sub-glacial conglomerate created from underlying overburden during glaciation.

Figure 9. Unit **CG** on the upper SE side of Chemical Creek. Note the flat dip and the position of the unit above the modern creek valley (right side of photo).

8.2 Structure

Geological structure on the ZNK Property is characterized by dominantly ESE strike, variable dip to the north and south and by slightly west plunging very tight to isoclinal folding at all scales. Within the argillites, bedding is obscured by foliation but is locally clearly indicated by interbedded coarse units or by different compositional layers. The contacts between the volcanic flows and the surrounding metasediments are irregular but not to the extent that this obscures a determination of overall dip.

The orientation of bedding within the argillite units (both **EG** and **RRG**) is shown in Figure 10 below. Bedding on the whole is oriented 128^0 60^0 SW and is folded about WSW plunging axes oriented at 302^0 7^0. Jointing within the granodiorite and the mean orientation of the dykes near the main showing essentially follow A-C joints within the folded strata.

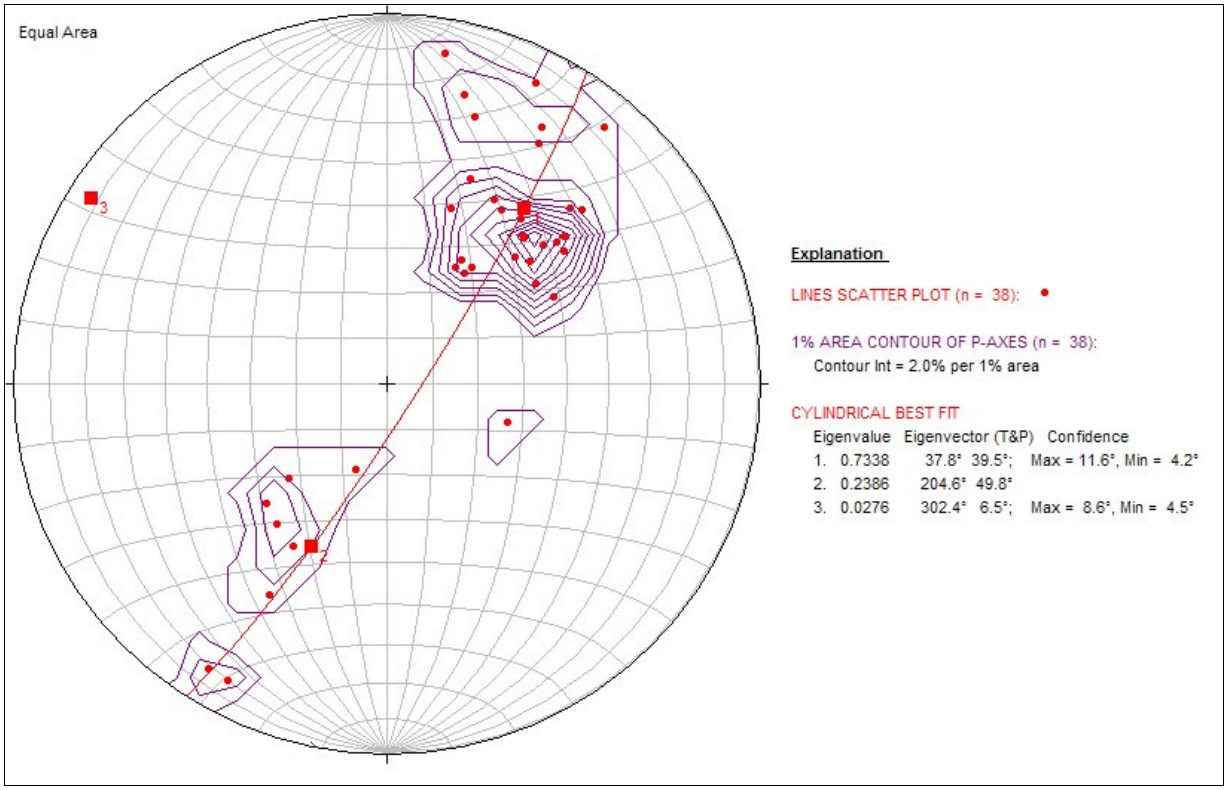

Figure 10. Stereogram of poles to bedding for all stations recorded during the 2007 mapping program.

9.0 ECONOMIC MINERALIZATION

Rock sample analyses are compiled in Appendix F and displayed in Figures 11 and 12. The interesting sample collected in 2006 was found at the western end of a stratabound zone of steeply dipping, conformable, 1 to 2 m wide quartz and limonite with disseminated pyrite, pyrrhotite, lesser sporadic sphalerite and traces of chalcopyrite. This Main Zone is indicated in Figure 5. This zone occurs in a package of black argillites above a series of three stacked volcanic flows in the SW limb of an anticline. The mineralized rock appears to be an exhalite in that it is conformable, stratabound, zoned from base to top (pyrrhotite prevalent at base / sphalerite at top), and occurs in a suitable setting given the surrounding sedimentary-volcanic stratigraphy. The Main Zone is exposed in bedrock and pits over a distance of 40 m and strikes 122^0, generally parallel with the strike of surrounding stratigraphy, nearby fold axes and inferred faults. Best assays from the Main Zone returned analyses of up to 12930 ppm Zn (1.29%) (Sample ZNK-128) and up to 307 ppm (307 g/t) Ag from Sample ZNK-24.

The exhalite associated with the lower volcanic member is also mineralized with the best assay being 6366 ppm Zn from sample ZNK-11 on the eastern end of the horizon. Copper is also slightly elevated along this horizon with rock samples returning values of 100 to 200 ppm Cu along both the lower and upper volcanic members. Also noted on the property was a zone of strong calcium and lesser barium precipitation from seeps bordering Chemical Creek. The amount of material entering the stream is striking, coating all the rock surfaces and the stream bottom with a white precipitate (Figure 13.)

Figure 13. Calcium / barite seep entering Chemical Creek near Station 40.

10.0 GEOCHEMICAL SURVEYS

This section describes the results of geochemical surveys performed on the property to date. A total of 71 soil samples and 4 stream samples were collected on the property during 2007.

10.1 Procedures

Mineralization identified to date on the ZNK Property consists of Pb-Zn sedimentary exhalative (SEDEX) which is directly indicated by anomalous responses in Pb, Zn, Ba, and Ag. Widespread barite caps many of these deposits. It is also possible that Au-W-Sn mineralization associated with the intrusion of the Tombstone age Itsi granodiorite may be present. This would be associated with elevated and correlative Bi and As in addition to the principal elements.

Geochemical data processing consisted of the following procedures, described in Grunsky (2007), and applied to the elements described above:

1. Analyses below the detection limit and censored values above the upper limit of detection were assigned values equal to half of the detection limit.

2. The mean, median and standard deviation were calculated for each element.

3. Key elements were plotted in bubble plots with bin thresholds based on the following statistical limits:

   Mean - 1 x Standard deviation
   Mean
   Mean + 1 x Standard deviation
   Mean + 2 x Standard deviation
   Mean + 3 x Standard deviation
   Mean + 4 x Standard deviation

4. Scatter plots were prepared to examine the covariance between elements.

10.2 Univariate analysis

Appendix G contains the results of univariate statistical analysis of the investigated elements, described by element. The table below summarizes these results:

Element	**Zn**	**Pb**	**Ag**	**Ba**	**As**	**Bi**
Units	ppm	ppm	ppm	ppm	ppm	ppm
Average	197.4	29.1	2.01	1895	45.1	0.90
Median	129.5	20.4	1.05	1275	36.5	0.45
Standard deviation	228.6	32.8	3.00	2480	55.2	2.96

10.2 Covariance analysis

Figure 14 is a compendium of soil geochemistry scatter plots of the principal elements versus zinc and arsenic. In a SEDEX environment, a correlation between zinc and the principal pathfinder elements is expected. There is also the possibility that mineralization may be partially related to the intrusion of the nearby Itsi granodiorite in which case a skarn or intrusive-hosted gold geochemical signature might be expected.

In general there is a dominant quasi-linear correlation between silver, barium and arsenic relative to zinc, suggesting that the observed mineralization has a SEDEX signature. There is no correlation between arsenic and bismuth. This suggests that no intrusive-hosted gold signature is apparent in the soil results. Silver mineralization thus seems to be related primarily to the lead-zinc mineralization.

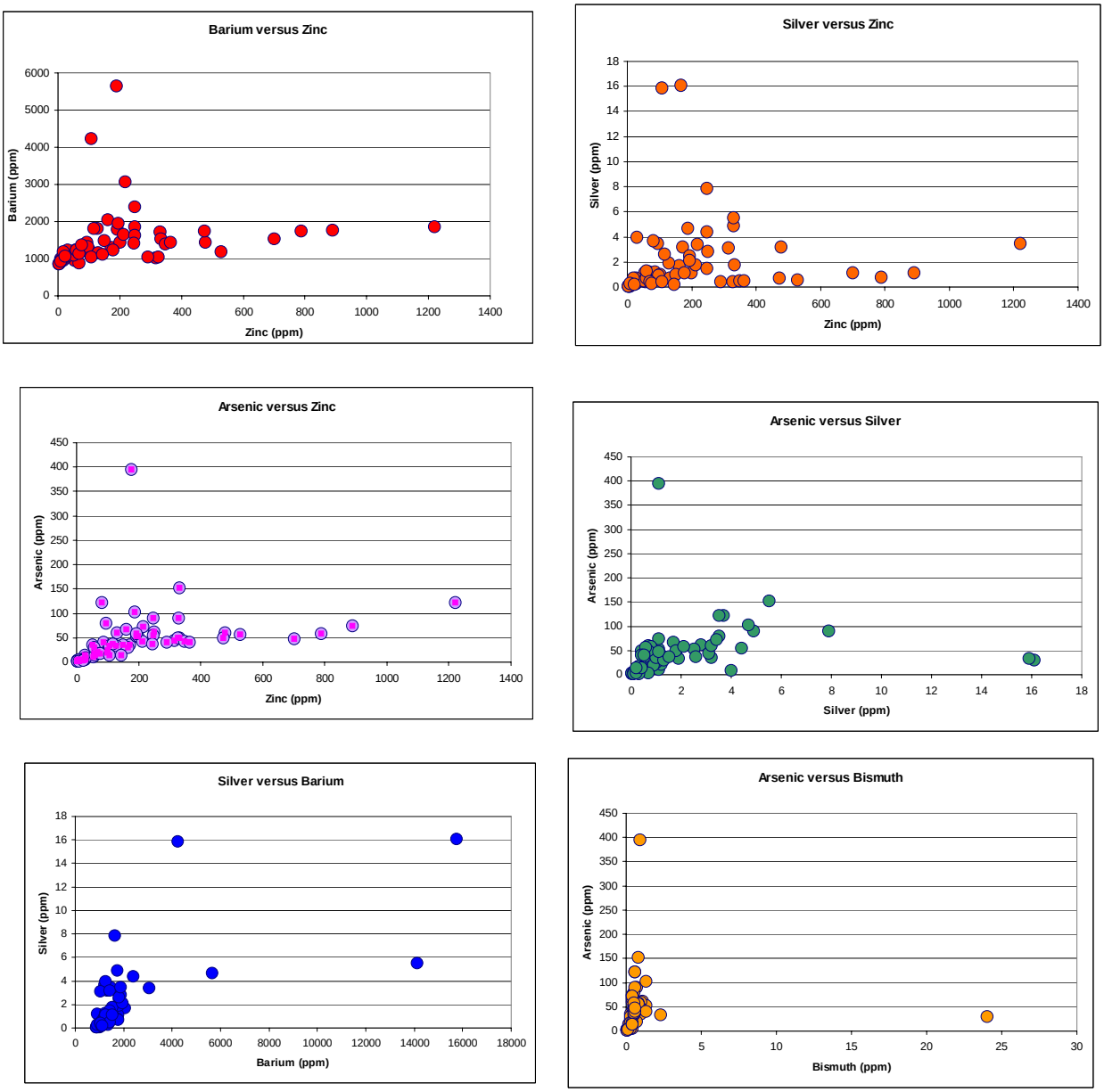

Figure 14. Scatter plots of principal elements versus zinc (SEDEX signature) and bismuth versus arsenic (proxy IHG signature).

10.4 Results

Figures 15 through 18 illustrate the results of the soil geochemical survey for zinc, lead, barium and silver. The data is plotted in coloured bubble plots with thresholds set as described in section 10.1, underlain with the mapped geology. Anomalous responses are associated with the Main Zone but there is no large scale pattern present in any element suggesting that this horizon is part of a larger system.

11.0 CONCLUSIONS

The results of prospecting, geological mapping and geochemical surveys conducted to date on the ZNK Property support the following conclusions:

a. The most significant mineralization found to date is anomalous to sub-economic zinc, silver and lead associated with quartz and limonite in a 40 m long, steeply dipping, conformable zone of mineralization interpreted to be a small exhalite horizon (Main Zone).

b. Zinc and silver mineralization of lower tenor is associated with a volcanic-exhalite horizon lying stratigraphically beneath the Main Zone.

12.0 RECOMMENDATIONS

The following recommendations are based on the conclusions of this report:

a. Samples with anomalous silver should be analyzed for gold. Should there be anomalous gold present in the samples, the property may merit future work.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Mike Power M.Sc. P.Geo.
Geophysicist

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Grunsky, E.C. (2007). The interpretation of regional geochemical survey data. In: Proceedings of Exploration '07: Fifth Decennial International Conference on Mineral Exploration. p139-182.

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APPENDIX A. CERTIFICATE

I, Michael Allan Power, M.Sc. P.Geo., P.Geoph., with business and residence addresses in Whitehorse, Yukon Territory do hereby certify that:

1. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (registration number 21131) and a professional geophysicist registered by the Northwest Territories Association of Professional Engineers, Geologists and Geophysicists (licensee L942).

2. I am a graduate of the University of Alberta with a B.Sc. (Honours) degree in Geology obtained in 1986 and a M.Sc. in Geophysics obtained in 1988.

3. I have been actively involved in mineral exploration the Northern Cordillera since 1988.

4. I have an indirect interest, in Eagle Plains Resources Ltd., but hold no interest in the mineral property described in this report.

Dated this 5th day of December, 2007 in Whitehorse, Yukon.

Respectfully Submitted,

Michael A. Power M.Sc. P. Geoph.

APPENDIX B. SURVEY LOG

SURVEY LOG
BEI-7546-YT ZNK Claims

CREW:	Crew chief	Mike Power	05 Aug 07 - 14 Aug 07
	Tech	Eric Morrow	06 Aug 07 - 14 Aug 07

		Geology		Total	Geochemical survey		Total	Work	
Date	Grid		Stations	(line-km)	Lines	Stations	Samples	Hours	Remarks
5-Aug	n/a							5	MP left Whitehorse @ 2030 hrs after 1.5 hrs preparation and drove to Ross River; spent the night in the truck
6-Aug	n/a							10	MP met Brian Helmsley for breakfast and flew out after picking up groceries (left Ross at ~1000 hrs). Met Jessica Norris and EM at the point where they had stashed the trucks. Two loads out of Mac Camp; three loads to get everything into ZNK (Final load about 1300 hrs). JN moved truck to Mac River bridge area and returned to Whitehorse. MP and EM set up camp. Wx: Showers, then rain in PM.
7-Aug	Showing		2				22	10	MP & EM left camp @ 0900 hrs after final sorting, safety meeting, etc. MP prospected and mapped; EM put in a soil grid over the showing. Returned at 1800 hrs. Wx: Rain in AM; clearing and partly cloudy in PM.
8-Aug	Showing		25				44	10	Began work at 0800 hrs; finished at 1800 hrs. EM soil sampled the grid to finish. MP tagged the centre claim line and mapped / prospected towards Itsi and then along the east ridge. Wx: Frost in AM, mostly cloudy, cool with light west wind.

9-Aug	n/a		22				12	10	Left camp at 0750; returned at 1830 hrs. Tagged east line, prospecting, geochem sampling working together until 1715 when EM left for camp to get dinner going. Wx: Partly cloudy, winds from the west.
10-Aug	n/a		16			0		10	Left camp @ 0815 hrs. Climbed to ridge and tagged / prospected along the westernmost claim line, finishing about noon. Went back to the main showing area and prospected, mapped and sampled until 1830 hrs. Wx: Frost in AM, clear then clouding over during the day.
11-Aug	n/a		14					10	Left camp @ 0815 hrs; returned at 1815 hrs. EM prospected and sampled along the trend of the exhalite (14 samples); MP mapped and sampled along the volcanic trend (3 samples). Wx: cloudy, cool with strong north wind.
12-Aug	n/a		6					10	Left camp at 0930hrs; returned at 1830 hrs. EM prospected around the north fold and MP prospected west of the creek and then mapped around the north fold. Samples: 18 rock for the day. Wx: frost in AM; clear, light winds.
13-Aug-07	n/a		10					10	Left camp at 0745hrs; returned at 1330 hrs. Finished data entry, worked on maps; packed samples, prep to leave.
								14	Tore down camp for 0900hrs. Chopper showed up at 1030hrs because of wx: TNTA (Phil) from Mile 222 Camp (Pete Risby). Completed demobe and repacking of truck by 1300 hrs and made

14-Aug-07									Ross River by 1630 hrs. Returned to Whitehorse by 2100 hrs.

APPENDIX C. STATEMENT OF COSTS

Statement of Expenditures

Preparation, mobe & demobe		
Camp & equipment preparation	$400.00	
Geologist - mobe	$500.00	
Crew - demobe: 1 day @ $1090	$1,090.00	
Project management: 4.5 hrs @ $90	$405.00	
Total - preparation, mobe / demobe	$2,395.00	$2,395.00
Operations		
Mapping & prospecting: 9.0 days @ $1140	$10,260.00	
Total - Operations	$10,260.00	$10,260.00
Expenses		
Fuel	$107.50	
Groceries	$597.05	
Helicopter	$3,992.57	
Total - Expenses	$4,697.12	$4,697.12
Report		
Assays	$3,245.00	
Report preparation	$4,000.00	
Total - Report	$7,245.00	$7,245.00
Total expenditures		$24,597.12

I certify that these expenditures are correct to the best of my knowledge.

Mike Power, M.Sc., P.Geo.
Geophysicist

APPENDIX D. GEOLOGICAL MAPPING & PROSPECTING OBSERVATIONS

Station	UTME	UTMN	Bedding	Samples	Notes	Date
1	432276	6974042			At ITSI-RS-12 location (best sample)	7-Aug-07
2	432360	6974052		ZNK-01	Contact between small pod (fold?) of dyke(10 mN) and black argillite. Rusty-brown, locally light green grey weathering, black finely laminated argillite; moderately bedded (10 cm), finely laminated. Hand sample #1 Dyke:: lt-med gry, massive to thick bedded (20cm), deformed fine xl plag, poss qtz, some bronze amphib & ?py?; Ref Spl # 2	7-Aug-07
3	432347	6974485	143-50-SW		Argillite: light-dark grey, wx black and brown red; med bdd (2 4cm); vfgr argillite, irregular, conchoidal fracture, loc 2-5mm qtz veins parallel to bedding; abun hem stn along fractures	8-Aug-07
4	432392	6974545	133-45-SW		Argillite: as above	8-Aug-07
5	432425	6974571			Grano: mottled brown and white wx lt brn w/red hem stn along fractures. Massive, mxl (1-2mm), qtz (10-15%), biot (10%), plag (80%) - all subhed. Stn on contact. Fe stn in grano greatest near contact; ditto in argillites	8-Aug-07
6	432507	6974553			Grano: as above with less to absent Fe stn	8-Aug-07
7	432685	6974468			Contact between Grano & Arg: Grano very rusty; no extensive hornfels in arg (Ref Spl #3)	8-Aug-07
8	432557	6974374	140-52-S 125-44-S		Argillite: blk w/occ 1-3 cm thick mgy bands wx lt brn (lim), dk brn and blk; med bdd (5-10 cm), irregular fract; vfgr, occ <1mm wh qtz/calc veins oblique to bdg.	8-Aug-07
9	432533	6974343			Fold axis: 281-10; isoclinal fold in argillite	8-Aug-07
10	432519	6974306	139-42-S		Argillite: as above - still rusty	8-Aug-07
11	432506	6974225	135-58-S		Argillite: dk gy to blk wx rusty brn to bk; beds 5-10 cm apart but rock wx's in large blocks; vfxl, irr fracture, alternate light & dark bands in wx o/c with thin 20-30 cm long / 2-4 cm thick light bands; lt bands are slightly coarser gr, giving a banded texture. Ref Spl #4	8-Aug-07
12	432592	6974173	146-40-S		Argillite: as above - thinner bedded	8-Aug-07
13	432370	6974048		ZNK-02	Amphibolite: mgy w/sl bronze tinge wx orange-brn, loc dusty lt gy (sulph bloom?), & blk to dk brn; lam 1-4 cm apart, gen massive in o/c; fxl, fol hbl(?), irridescent sheen on fol w/ hem; ZZB on fol planes. Ref Spl #5	8-Aug-07
14	432426	6974030	119-55-N		Contact between underlying blk sh (S) and rusty shale / amphib (N); dip dir reversed.	8-Aug-07

15	432461	6973988			On Fold Axis (approx) def by 0.5 m thick rusty amphib	8-Aug-07
16	432427	6974016			On Fold Axis (approx); rusty amphib 2-5 m, then 2m then 0.5 m sep by blk arg	8-Aug-07
17	432638	6973904	140-50-S		Argillite: dk gy wx brn (hem) or blk, thin lam (1-2 cm), irr fract / slatey cleavage;	8-Aug-07
18	432587	6973937	135-40-S		Argillite: as above but very graph / no hem stn; weak rodding at 160-10	8-Aug-07
19	432365	6974069			Dyke:	8-Aug-07
20	432295	6974034			Dyke: at N end of 5 m long x 2 m wide o/c trending 257	8-Aug-07
21	432206	6974016			Argillite:	8-Aug-07
22	432287	6973932			Dyke: lt gy wx tan-white, massive, vfxl, euh biot, mostly plag, 10% qtx, hbl ± py; apparent contact 88-22-S but not from trend	8-Aug-07
23	432303	6973961			Dyke: N end of dyke @ Stn	8-Aug-07
24	432341	6973989			Dyke: 7 m x 7m area of rubble & N-striking o/c	8-Aug-07
25	432392	6974040			Dyke: 2 m wide rubble	8-Aug-07
26	432311	6973964			Volcanics: pillows, rusty, 3 m thick exposed section capping small rise; no exhalite at top; dips to NE (photo)	8-Aug-07
27	432024	6973236	18-28-W		Argillite: blk wx rusty brn to blk	8-Aug-07
28	432273	6974109	138-47-W	ZNK-03	Argillite: blk wx rusty, block in scale of 2 to 6 cm, black, dusty, graphitic, vfxl; loc lim veinlets 2-4cm. ZZB	9-Aug-07
29	432852	6974016	121-32-SW 123-47-SW	ZNK-04	Argillite: Blk-dk gy, wx orange-brn & purple-brn, blky w/ irregular fracture, vfxl w/5% py or po (sl mag) about 0.2 mm in size; ZZB on fractures; 7 m wide exposure	9-Aug-07
30	432976	6973962	132-45-SW		Argillite: blk wx mgy occ orange-brn, med bdded 4-8 cm, laminated appearance; chevron fold (photo)	9-Aug-07
31	433070	6973936		ZNK-05	Dyke: lt gy wx tan, blocky, vfxl w/plag phenos (lathes) to 4 mm, 10% anhed hbl, poss tr py; o/c covers 6 m x 6 m area. Also: Bull Qtz vein: wh massive qtz w/ <15 diss silvery sulphides (aspy?) and py; hem stn.	9-Aug-07
32	433180	6973944		ZNK-06	Argillite: dk gy wx distinctive shiny brn-bronze w/ irridescent sheen & red-brn stn. Vfxl, irregular fracture, ZZB on fractures and in diss (locally). **Ref Spl #6**	9-Aug-07
33	433306	6973978			Argillite: aa	9-Aug-07
34	433355	6973933	126-32-SW		Argillite: dk gy wx blk, loc orange-brn, mod lam on a scale 5-10 cm; 2 m thick bd	9-Aug-07
35	433333	6973901			Dyke: 15 m wide striking 165 for 50 m from this point	9-Aug-07

36	433169	6973742	138-60-SW		Argillite: dk gy and lt gy banded wx same; banding 1-3 cm wide, fxl (0.2-0.5mm) in lt gy bands; dk gy bands are vfxl arg, bedding planes 4-10 cm thick	9-Aug-07
37	433128	6973695	152-42-SW		Argillite: as above but thin lam / no banding	9-Aug-07
38	433155	6973448	129-48-SW		Argillite: blk wx dk gy-brn; 10-50 cm lam; irregular fracture; rusty lim along frac	9-Aug-07
39	432797	6973265			Conglomerate: brn wx lt-m gy, massive - poorly bdded, psrt, clast from slt to cobble in graph arg mtx; includes clasts of granite & argillite; flat lying (glacial?); see photos; Ref Spl #7	9-Aug-07
40	432733	6973262	108-65-SW		Argillite: lam 2-8 cm, mgy, vfxl, lim on fractures	9-Aug-07
41	432669	6973226	105-70-SW		Contact between resistive argillite (N) and graphitic argillite (S)	9-Aug-07
42	432531	6973209			Fold axis in thin lam arg: ~50	9-Aug-07
43	432439	6973520			Argillite: dk gy wx rust-mgy, blocky, no ZZB	9-Aug-07
44	432461	6973643	118-80-N!		Argillite: blk wx lt gy, banded 2-6 mm, lim band 10 cm thk; synclinal fold axis 304, ZZB response	9-Aug-07
45	432546	6973645	121-70-SW		Argillite: dk gy wx lt gy & rusty; vfxl, cleavage / bedding 1-3 cm apart; lim stn along fractures	9-Aug-07
46	432622	6973694			Argillite: dk gy wx rust, block & poorly bedded; dk gy groundmass w/ qtz (?) grains to 0.5 mm; no ZZB	9-Aug-07
47	432571	6973731			Start of volcanic unit o/c. Volcanics: mgy wx rusty brn & orange-brn; massive in flows up to 0.5 mm; sl fol defined by fractures; groundmass is hbl w/occ plag to 0.2mm; py content from 0 at SE to 10% at NW end of o/c	9-Aug-07
48	432553	6973739		ZNK-08	Exhalite: mottled mgy w/white specks wx rusty-orange-brn; specks are either plag or qtz - some rounded / some euh - 0.2 to 4mm; irregular conchoidal frac (like chert). Contains 15% py-po as diss blebs 0.2-2mm; **Ref Spl #8**	9-Aug-07
49	432537	6973755		ZNK-09	Volcanic: mgy wx rusty brn & orange-brn; massive in flows up to 0.5 mm; sl fol defined by fractures; groundmass is hbl w/occ plag to 0.2mm; 10% py **Ref Spl #9**	9-Aug-07
50	432524	6973763			End of volcanic unit o/c; unit is about 8 m wide and central volcanic is up to 2 m thick; exhal above and below	9-Aug-07

51	432028	6974958	122-66-SW		Contact between Grano & Arg: Arg is mgy wx blk, vfxl w/ qtz veinlets 1-6 mm wide, gen parallel to bedding, 10-30 cm apart; resistant unit	10-Aug-07
52	431958	6974932			Contact w/ recessive lim / hem rusty wx argillite	10-Aug-07
53	431936	6974922		ZNK-10	Argillite: Sample from small qtz rich resistive band in otherwise recessive argillite; lt gy wx orange & rusty brown, resistive, poorly lam or bedded; vfxl qtz w/sparse 1-2 mm thick veinlets of py following fractures; rare diss py. **Sample ZNK-10**	10-Aug-07
54	431922	6974920			Contact with resistive argillite	10-Aug-07
55	431864	6974933	130-80-SW		Argillite: dk gy wx blk; vfxl, qtz veining	10-Aug-07
56	431809	6974913			Dyke: 3 m wide (also post location)	10-Aug-07
57	431532	6974436	112-50-SW		Dyke: 156-60-W / 10 m wide in Argillite: dk gy-blk wx dusty lt gy, loc mottled white; vfxl, conchoidal & irregular fracture; well bedded 4-10 cm	10-Aug-07
58	431375	6974173	116-80-SW		Argillite: blk wx dusty lt gy; irregular fracture; bedding 2-6 cm apart; vfxl, sl graphitic; nonetheless resistant	10-Aug-07
59	432151	6974024	110-42-SW		Argillite: blk wx orange-purple brown and dk gy mottled; blocky because of strong jointing perpendicular to bedding; vfxl; hem along fract	10-Aug-07
60	432163	6974046	120-48-S		Argillite: as above	10-Aug-07
61	432194	6974034	125-30-SW		Greywacke: med - dk gy mottled w/white specks; 10-30 cm bedding; very resistive; blocky; sub-rounded wh (qtz or plag?) clasts to 3 mm; small to large (>1 cm) subang clasts of argillite; sl lam; irregular tops; **Ref Spl #10** Stn is at the NE end of a 20 m band of this rock exposed in hill side.	10-Aug-07
62	432349	6973934	125-30-SW		Greywacke: dk gy mottled white wx bl; resistive; wx to slabs about 30 cm; includes sbang, some rimmed, arg clasts to 1 cm; smaller subrnd white clasts 0.5-3 mm (elongate); no alignment	10-Aug-07
63	432404	6973898	120-30-SW		Greywacke: top of bed	10-Aug-07

64	432410	6973847	146-40-N	ZNK-11 ZNK-12	Volcanics: Dk gy wx orange & purple-brown to black; massive, occ in rounded masses (?pillows) to 60 cm, irr fracture, some lam w/hem, 5-10 cm apart; irridescent brown tinge on fractures; blk ground mass (?hbl?) py from 0.2 to 1 mm along fractures & as dissem (3-5%). **Spl ZNK-11** Unit is 3 m thick as exposed and grades up into Exhalite: mgy wx orange-red brn, irr fracture, massive qtz w/ 1% diss py.**Spl ZNK-12**	10-Aug-07
65	432365	6973877	110-20-N	ZNK-13	Volcanics: as above, exposed over 6 m **Spl ZNK-13** same as ZNK-12 w/5% diss py	10-Aug-07
66	432336	6973893		ZNK-14 ZNK-15	Volcanic unit: mixed volcanics and rusty seds with exhalite at top. **Spl ZNK-14:** m gy wx dk brn-orange brn; irregular fracture; found in rounded masses to 50 cm; dense blk groundmass; 10% diss py to 1 mm (also **Ref Spl #11**) At top: **Spl ZNK-15:** Exhalite from top of section; mgy qtz rich rock with ~20% coarse and blebby py (also **Ref Spl #12**)	10-Aug-07
67	432308	6973828	136-30-NE		Volcanics: 4 m exposed with stn @ top (NE); m grn-gy wx orange-brn; massive; res, irregular fract; tends to wx into rounded masses (pillows?) to 40 cm; vfxl amphib Above this unit greywacke (no large clasts) and minor exhalite	11-Aug-07
68	432382	6973955	135-38-NE	ZNK-16	Greywacke: w/ ang argillite clasts to 10 cm; exhalite float above this: **Spl ZNK-16:** Exhalite: mgy wx brn-orange or brn; irr lam 5 mm apart coated w/ hem & lim; vfxl qtz & ~10% diss py 0.2mm or less	11-Aug-07
69	432165	6974006	120-42-NE		Greywacke: mass as per Stn 61 w/shaley beds 30-50cm apart.	11-Aug-07
70	432277	6973983			**Ref Spl #13** Slatey argillite: dk gy wx blk w/dk brn stain (hem) vfxl, wx into slatey fragments 10 cm x 5 cm x 1 cm; this unit appears to overlie massive greywacke	11-Aug-07
71	432543	6973773	128-40-NE		Greywacke: aa but no large clasts and darker in colour	11-Aug-07
72	432602	6973706			Volcanics: 1 m thick exposure with abun rusty argillite admixed	11-Aug-07
73	432661	6973669			**Ref Spl #14** Tuff: lt gy wx rusty brn; bedded with lam 8-10 cm apare; very resist; vfxl; rock is shot w/ irregular lam	11-Aug-07

74	432436	6973818		ZNK-17	Volcanics in rubble: **Spl ZNK-17:** Exhalite: mgy wx orange-brn; irr lam 1-3 cm apart; vfxl qtz w/5% diss py < 0.2 mm	11-Aug-07
75	432273	6973905			Argillite: dk gy wx lt gy & sl rusty; res; thin lam 2-4 mm apart; wx blocky (rodding)	11-Aug-07
76	432248	6973723			Argillite: blk wx lt brn-red brn; lam 5 mm - 2 cm apart; wx blocky; rodding	11-Aug-07
77	432258	6973676	122-80-NE		Argillite: aa except lt gy bands	11-Aug-07
78	432310	6973611	100-80-SW		Argillite: dk gy wx brn-gy; irr slatey cleavage 1-3 cm apart	11-Aug-07
79	432321	6973933			Volcanics: mgy wx orange-brn & dk brn, mass, sl fol; irr 5-10 mm lam; aph dk gnd mass;This unit separated from lower (4 m thick) bed by 8 m of blk argillite; appears to be a separate unit 2 m thick	11-Aug-07
80	432200	6974210			Graph argillite: blk wx same, thin bedded (2-4 cm); irr fract; crumbly; loc rusty; **Ref Spl #15**	11-Aug-07
81	432100	6974398		ZNK-18	Argillite: mgy wx lt gy; resist; irr lam 5-10 cm apart; vfxl, thin py veinlets along fol w/hem; may be in-place. **Spl ZNK-18**	12-Aug-07
82	431727	6974215			Argillite: large block - possibly in place; m gy wx dk gy and brn on fract; vfxl; flat lam 1-2 cm apart; resist;	12-Aug-07
83	431680	6974442		ZNK-19	Exhalite float: lt gy wx orang-brn to dk brn; irr, blocky and angular cobbles; vfxl qtz w <1% py as small blebs **Spl ZNK-19**	12-Aug-07
84	431681	6974454		ZNK-20	Exhalite float: as above with thin lam of silvery minerals oxid to lim. **Spl ZNK-20**	12-Aug-07
85	431697	6974451		ZNK-21	**Spl ZNK-21** Greywacke float: mgy wx orange and dk brn into blocky cobbles; rnd qtz grains to 2 mm; shiny black-red mnl wx to lim	12-Aug-07
86	431704	6974455		ZNK-22	**Spl ZNK-22** Greywacke float: as above; more brn-red mnl	12-Aug-07
87	431691	6974465			Volcanics: rounded 12-20 cm pillows, lt gy wx rusty brn; res; vfxl; no sulph	12-Aug-07
88	431679	6974489		ZNK-23	**Spl ZNK-23** Exhalite float: lt gy wx orange-brn to dk brn; irr; blocky and ang cobbles; brassy irridescent sheen on fract;	12-Aug-07
89	432410	6974264			SW corner of 50 m x 50 m blox of resis argillite; to SW graphitic arg (covered).	12-Aug-07
90	432277	6974037			SW end of trench section	13-Aug-07

91	432286	6974046			NE end of trench section	13-Aug-07
92	432380	6974086			Volcanics: North fold (photo); 0.5 m thick section of tuff and seds; volcanics also present on strike; this is the upper member	13-Aug-07
93	432370	6974076			Volcanics - Middle member: At truncation of dyke at top of middle member; 2.0 m thick approx	13-Aug-07
103	432444	6974018			Upper member - volcanics:	13-Aug-07
104	432450	6974012			Upper member - volcanics:	13-Aug-07
105	432460	6973991			Upper member - volcanics:	13-Aug-07
106	432464	6973971			Upper member - volcanics:	13-Aug-07
107	432423	6974031			Middle member - Volcanics	13-Aug-07
108	432428	6974024			Middle member - Volcanics	13-Aug-07
109	432437	6974010			Middle member - Volcanics	13-Aug-07
110	432444	6974003			Middle member - Volcanics	13-Aug-07
111	432457	6973988			Middle member - Volcanics	13-Aug-07
112	432459	6973972			Middle member - Volcanics	13-Aug-07
113	432425	6974021			Lower member - Volcanics	13-Aug-07
114	432435	6974005			Lower member - Volcanics	13-Aug-07
115	432441	6973988			Lower member - Volcanics	13-Aug-07
116	432413	6973996			Lower member - Volcanics	13-Aug-07
117	432360	6974069			Lower member - Volcanics	13-Aug-07
118	432366	6974062			Lower member - Volcanics	13-Aug-07
119	432379	6974042			Lower member - Volcanics	13-Aug-07
Camp	432276	6974358				

APPENDIX E. GEOCHEMICAL SURVEY - SAMPLE NOTES

Sample	Line	Station	UTME	UTMN	Date	Description
L850E-900N	850	900	432102	6974092	7-Aug-07	Brown soil
L850E-925N	850	925	432121	6974108	7-Aug-07	Brown silty soil
L850E-950N	850	950	432141	6974124	7-Aug-07	Black soil; some organics
L850E-975N						
L850E-1000N						
L900E-900N	900	900	432134	6974054	7-Aug-07	Brown silty soil, some organics
L900E-925N	900	925	432153	6974069	7-Aug-07	NS
L900E-950N	900	950	432172	6974085	7-Aug-07	Black soil; some organics, some brown
L900E-975N	900	975	432192	6974101	7-Aug-07	Black soil; some organics
L900E-1000N	900	1000	432211	6974117	7-Aug-07	Black soil; some organics
L900E-1025N	900	1025	432231	6974133	7-Aug-07	Black organic soil
L900E-1050N	900	1050	432250	6974148	7-Aug-07	Black organic soil
L900E-1075N	900	1075	432269	6974164	7-Aug-07	Black organic soil
L900E-1100N	900	1100	432289	6974180	7-Aug-07	Black organic soil
L950E-900N	950	900	432165	6974015	7-Aug-07	NS
L950E-925N	950	925	432185	6974031	7-Aug-07	Rubble & sand
L950E-950N	950	950	432204	6974046	7-Aug-07	Black organic soil
L950E-975N	950	975	432223	6974062	7-Aug-07	Black soil; some organics
L950E-975N	950	975	432223	6974062	7-Aug-07	Black organic soil w/ brown
L950E-1000N	950	1000	432243	6974078	7-Aug-07	Black organic soil
L950E-1025N	950	1025	432262	6974094	7-Aug-07	Medium brown, silty soil
L960E-1050N	950	1050	432282	6974110	7-Aug-07	Medium brown, silty soil
L950E-1075N	950	1075	432301	6974125	7-Aug-07	Medium-dark brown soil w/organics
L950E-1100N	950	1100	432320	6974141	7-Aug-07	Medium-dark brown soil w/organics
L1000E-900N	1000	900	432197	6973976	8-Aug-07	Black soil w/organics
L1000E-925N	1000	925	432216	6973992	8-Aug-07	Black soil w/organics
L1000E-950N	1000	950	432236	6974008	8-Aug-07	Black soil w/organics
L1000E-975N	1000	975	432255	6974023	8-Aug-07	Black-brn soil; some organics
L1000E-1000N	1000	1000	432274	6974039	8-Aug-07	Black soil
L1000E-1025N	1000	1025	432294	6974055	8-Aug-07	Medium brown to black; some organics
L1000E-1050N	1000	1050	432313	6974071	8-Aug-07	Black soil w/organics
L1000E-1075N	1000	1075	432332	6974087	8-Aug-07	Black soil w/organics
L1000E-1100N	1000	1100	432352	6974103	8-Aug-07	Black soil w/organics
L1050E-900N	1050	900	432228	6973937	8-Aug-07	Dark brown to black soil w/some organics
L1050E-925N	1050	925	432248	6973953	8-Aug-07	Dark brown to black soil w/some organics
L1050E-950N	1050	950	432267	6973969	8-Aug-07	Dark grey, small sandy pebbles

L1050E-975N	1050	975	432287	6973985	8-Aug-07	Dark brown some organics
L1050E-1025N	1050	1025	432325	6974016	8-Aug-07	Dark brown to black soil w/some organics
L1050E-1050N	1050	1050	432345	6974032	8-Aug-07	Sandy soil from rock fall
L1050E-1075N	1050	1075	432364	6974048	8-Aug-07	Black soil w/organics
L1050E-1100N	1050	1100	432383	6974064	8-Aug-07	Black soil
L1100E-900N	1100	900	432260	6973899	8-Aug-07	Light-med brown soil w/ some organics
L1100E-925N	1100	925	432279	6973914	8-Aug-07	Dark brown to black soil w/some organics
L1100E-950N	1100	950	432299	6973930	8-Aug-07	Dark brown to black soil w/some organics
L1100E-975N	1100	975	432318	6973946	8-Aug-07	Dark brown to black soil w/some organics
L1100E-1000N	1100	1000	432338	6973962	8-Aug-07	Black soil; heavy organics
L1100E-1025N	1100	1025	432357	6973978	8-Aug-07	Med-dark brown soil
L1100E-1050N	1100	1050	432376	6973993	8-Aug-07	Black soil; heavy organics
L1100E-1075N	1100	1075	432396	6974009	8-Aug-07	Black soil; heavy organics
L1100E-1100N	1100	1100	432415	6974025	8-Aug-07	Black soil; heavy organics
L1150E-900N	1150	900	432292	6973860	8-Aug-07	Black soil w/organics
L1150E-925N	1150	925	432311	6973876	8-Aug-07	Black soil w/organics
L1150E-950N	1150	950	432330	6973891	8-Aug-07	Medium to dark brown soil w/organics
L1150E-975N	1150	975	432350	6973907	8-Aug-07	Black soil w/organics
L1150E-1000N	1150	1000	432369	6973923	8-Aug-07	Dark brown to black soil w/some organics
L1150E-1025N	1150	1025	432389	6973939	8-Aug-07	Dark brown to black soil w/some organics
L1150E-1050N	1150	1050	432408	6973955	8-Aug-07	Black soil w/organics
L1150E-1075N	1150	1075	432427	6973970	8-Aug-07	Black soil w/organics
L1150E-1100N	1150	1100	432447	6973986	8-Aug-07	Black soil w/organics
L1200E-900N	1200	900	432323	6973821	8-Aug-07	NS
L1200E-925N	1200	925	432343	6973837	8-Aug-07	Black soil w/organics
L1200E-950N	1200	950	432362	6973853	8-Aug-07	Black soil w/organics
L1200E-975N	1200	975	432381	6973869	8-Aug-07	Black-grey soil w/organics
L1200E-1000N	1200	1000	432401	6973884	8-Aug-07	Black soil w/organics
L1200E-1025N	1200	1025	432420	6973900	8-Aug-07	Black soil w/organics
L1200E-1050N	1200	1050	432440	6973916	8-Aug-07	Black soil w/organics
L1200E-1075N	1200	1075	432459	6973932	8-Aug-07	Black soil w/organics
L1200E-1100N	1200	1100	432478	6973948	8-Aug-07	Black soil w/organics

APPENDIX F. ROCK SAMPLE ANALYSES

Samples	Station	UTME	UTMN	Description
ZNK-01	2	432360	6974052	Argillite: dark grey weathering red-brown, locally light brown and purple to dark grey w/ vitreous brown lustre on fractures; medium bedded (1-2 cm) with hematite stain along fractures & bedding; very fine crystalline, black ground mass, 4-6% fine xl pyrite. Zinc Zap blue (ZZB): along fractures & bedding
ZNK-02	13	432370	6974048	Amphibolite: mgy w/sl bronze tinge wx orange-brn, loc dusty lt gy (sulph bloom?), & blk to dk brn; lam 1-4 cm apart, gen massive in o/c; fxl, fol hbl(?), irridescent sheen on fol w/ hem; ZZB on fol planes. **Ref Spl #5**
ZNK-03	28	432273	6974109	Argillite: blk wx rusty, block in scale of 2 to 6 cm, black, dusty, graphitic, vfxl; loc lim veinlets 2-4cm. ZZB
ZNK-04	29	432852	6974016	Argillite: Blk-dk gy, wx orange-brn & purple-brn, blky w/ irregular fracture, vfxl w/5% py or po (sl mag) about 0.2 mm in size; ZZB on fractures; 7 m wide exposure
ZNK-05	31	433070	6973936	Bull Qtz vein: wh massive qtz w/ <15 diss silvery sulphides (aspy?) and py; hem stn.
ZNK-06	32	433180	6973944	Argillite: dk gy wx distinctive shiny brn-bronze w/ irridescent sheen & red-brn stn. Vfxl, irregular fracture, ZZB on fractures and in diss (locally). **Ref Spl #6**
ZNK-08	48	432553	6973739	Exhalite: mottled mgy w/white specks wx rusty-orange-brn; specks are either plag or qtz - some rounded / some euh - 0.2 to 4mm; irregular conchoidal frac (like chert). Contains 15% py-po as diss blebs 0.2-2mm; **Ref Spl #8**
ZNK-09	49	432537	6973755	Volcanic: mgy wx rusty brn & orange-brn; massive in flows up to 0.5 mm; sl fol defined by fractures; groundmass is hbl w/occ plag to 0.2mm; 10% py **Ref Spl #9**
ZNK-10	53	431936	6974922	Argillite: Sample from small qtz rich resistive band in otherwise recessive argillite; lt gy wx orange & rusty brown, resistive, poorly lam or bedded; vfxl qtz w/sparse 1-2 mm thick veinlets of py following fractures; rare diss py.
ZNK-11	64	432410	6973847	Volcanics: Dk gy wx orange & purple-brown to black; massive, occ in rounded masses (?pillows) to 60 cm, irr fracture, some lam w/hem, 5-10 cm apart; irridescent brown tinge on fractures; blk ground mass (?hbl?) py from 0.2 to 1 mm along fractures & as dissem (3-5%).
ZNK-12	64	432410	6973847	Exhalite: mgy wx orange-red brn, irr fracture, massive qtz w/ 1% diss py.
ZNK-13	65	432365	6973877	Volcanics: same at ZNK-12 but with 5% py
ZNK-14	66	432336	6973893	Volcanics: m gy wx dk brn-orange brn; irregular fracture; found in rounded masses to 50 cm; dense blk groundmass; 10% diss py to 1 mm (also Ref Spl #11)
ZNK-15	66	432336	6973893	Exhalite from top of section; mgy qtz rich rock with ~20% coarse and blebby py (also Ref Spl #12)
ZNK-16	68	432382	6973955	Exhalite: mgy wx brn-orange or brn; irr lam 5 mm apart coated w/ hem & lim; vfxl qtz & ~10% diss py 0.2mm or less
ZNK-17	74	432436	6973818	Exhalite: mgy wx orange-brn; irr lam 1-3 cm apart; vfxl qtz w/5% diss py < 0.2 mm
ZNK-18	81	432100	6974398	Argillite: mgy wx lt gy; resist; irr lam 5-10 cm apart; vfxl, thin py veinlets along fol w/hem; may be in-place.

ZNK-19	83	431680	6974442	Exhalite float: lt gy wx orang-brn to dk brn; irr, blocky and angular cobbles; vfxl qtz w <1% py as small blebs
ZNK-20	84	431681	6974454	Exhalite float: as above with thin lam of silvery minerals oxid to lim.
ZNK-21	85	431697	6974451	Greywacke float: mgy wx orange and dk brn into blocky cobbles; rnd qtz grains to 2 mm; shiny black-red mnl wx to lim **Ref Spl #16**
ZNK-22	86	431704	6974455	Greywacke float: as above; more brn-red mnl
ZNK-23	88	431679	6974489	Exhalite float: lt gy wx orange-brn to dk brn; irr; blocky and ang cobbles; brassy irridescent sheen on fract;
ZNK-24	90	432279	6974039	Exhalite: banded qtz and limonite wx blk-brn-rusty; sphalerite in dark limonite; sample from upper part of main showing
ZNK-100	1	432276	6974042	Trench sample: 0-30 cm;
ZNK-101	1	432276	6974042	Trench sample: 30-70 cm;
ZNK-102	1	432276	6974042	Trench sample: 70-120 cm
ZNK-103	1	432276	6974042	Chip sample: 120-200 cm
ZNK-104	501	432268	6974043	Exhalite: m-lt gy, vfxl, orange brn wx dk brn; resiny lustre on wx sfc; blocky frac; 5% py
ZNK-105	502	432275	6974042	Exhalite: mgy wx rusty brown w/ resiny & irridescent lustre; block; fxl; angular xl of qtz in gy mtx; some mafic blebs; lim altn on fracs; 2-3% py, some as coarse blebs to 1 mm
ZNK-106	503	432271	6974037	Exhalite: mjy wx yellow-white-orange brown; irridescent lustre; 5% py
ZNK-107	504	432281	6974031	Exhalite: mgy wx wh0rusty/dk brn also lim; blocky, rubbly fract; vfxl;approx 10% sulph poss aspy
ZNK-108	505	432294	6974013	Exhalite: m-dk gy wx orange-brn to pink brown some white coating on fracts; blocky wx; 5% sulphides <0.5 mm
ZNK-109	506	432298	6974013	Exhalite: lt-m gy, gy mtx with small irr white xls < 0.5 mm; wx dk red-brn with resiny lustre and slight irridescence; block, irr fracture; 5-10% light yellow sulphides
ZNK-110	507	432293	6974013	Argillite: dk gy-blk wx dark red to red-brn; argill in parallel lam; some gold sulph on fract surfaces; platy irr fract; red vitreous crystals on fractures
ZNK-111	508	432302	6974007	Exhalite: m gy, fxl; with lent darker gy zones; wx yellow-orange-red and dk brn; locky; irreg, semi-conchoidal fract; 25 diss py <0.5 mm
ZNK-112	509	432326	6974013	Exhalite: lt-m gy mtx in white ang xls; platy fractures; wx dk gy-brn; mnr sulph
ZNK-113	510	432304	6973999	Exhalite: m-dk gy wx rusty bronw; block, irreg fract; 1% sulph along fracture planes, tarnished to irr purple;
ZNK-114	511	432388	6973955	Argillite: dk gy wx lt gy; vfxl; minor sulph
ZNK-115	512	432316	6973989	Volcanics: m-dk gy, vfxl; lam w/ blocky ang fract; wx lt brn, dk brn and yellow on fract; some fracts irridescent; <1% sulph vis as tiny specks
ZNK-116	513	432316	6973989	Volcanics: dk gy wx resiny and irridescent on fract; otherwise dk brn to orange; 5% sulph as small blebs
ZNK-117	514	432312	6973995	Volcanics: m gy wx rusty red to dk brn, resiny on fracts; massive; block fract; 5% sulph vis as small blebs
ZNK-118	515	432312	6973996	Volcanics: m-dk gy wxresiny reddish brn, yellow; blocky, irridescent fracts; 5-10% py vis as small blebs and diss
ZNK-119	516	432314	6973999	Exhalite: m gy wx yellow to red brn w/ resiny tarnish on fractures; block ~2% sulph as small blebs

ZNK-120	517	432312	6974005	Exhalite: lt-m gy wx dk brn, yellow and reddish; resiny and irridescent on fractures; >5% py as blebs
ZNK-121	518	432258	6974057	Exhalite: m gy wx pink - brn; conchoidal fract; qtz xtls to 2 mm; 5% diss silvery sulph
ZNK-122	519	432293	6974056	Exhalite: aa with about 1% sulph
ZNK-123	520	432352	6974074	Volcanics: dk gy wx rusty brn to dk brn; irridescent fract; blocky; lam (platey) 5% diss sulph as large blebs
ZNK-124	521	432359	6974054	Exhalite: mgy wx rusty brn to dk brn; irridescent tarnish on some fract;blocky 5% sulph is small diss blebs
ZNK-125	522	432362	6974053	Volcanics: m-dk gy, wx dk reddish brn in pillows; blocky fract; <1% sulph vis
ZNK-126	523	432301	6974095	Volcanics: mgy wx dk rusty brn; pillow, block fract;vfxl w/qtz in small specks (amygd?) 2-3% py
ZNK-127	524	432303	6974024	Exhalite: lt gy wx yel to dk red, resiny nearly vitreous lustre on fract; irr block fract w/ good cleavage; 3-5% sulph; trench sample
ZNK-128	525	432304	6974025	Exhalite: lt gy wx yellow-bronze to dk rusty red-brn on fractures; sometimes resiny; vfxl qtz, 1-3% diss sulph

APPENDIX G. GEOCHEMICAL SURVEY ANALYSES

Line	Station	X	Y	Sample	Ag_ppm	Al_pct	As_ppm	Bi_ppm	Ca_pct	Cd_ppm	Co_ppm	Cr_ppm	Cu_ppm	Fe_pct	Ga_ppm	Hg_ppb	K_pct	La_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Ni_ppm
850	900	432102	6974092	L850E 900N	0.05	0.22	3.3	0.1	0.02	0.05	0.5	2.6	4.9	0.34	2.7	15	0.01	2.2	0.01	11	1.2	0.04	2
850	925	432121	6974108	L850E 925N	0.05	0.41	2	0.05	0.07	0.05	0.7	1.7	5.4	0.32	2.3	5	0.01	2.2	0.02	15	0.3	0.04	0.9
850	950	432141	6974124	L850E 950N	0.4	0.55	18	0.4	0.03	0.2	1.7	18.4	16.4	1.37	5.3	34	0.04	8	0.1	112	6.9	0.03	8.4
850	975	432160	6974140	L850E 975N	1.1	1.09	11	0.4	0.07	0.5	1.2	10.3	38.6	0.96	3.6	39	0.03	7.4	0.08	43	6.4	0.03	9
850	1000	432180	6974156	L850E 1000N	1.2	0.76	21	0.4	0.07	0.3	2	22.5	27.6	1.61	5.7	69	0.06	9.8	0.1	55	11.1	0.02	11.3
900	900	432134	6974054	L900E 900N	0.05	0.51	3	0.05	0.05	0.05	1.1	1.9	6.4	0.33	2.8	11	0.01	2.1	0.01	65	0.4	0.04	1.2
900	950	432172	6974085	L900E 950N	0.7	0.37	5	0.2	0.01	0.05	0.6	6.6	10.7	0.78	2.4	12	0.02	2.7	0.02	29	3.6	0.03	3.5
900	975	432192	6974101	L900E 975N	3.2	3	35	1	0.07	0.5	15.6	27.3	100.3	3.19	5.7	99	0.07	12.1	0.22	833	14.7	0.02	26
900	1000	432211	6974117	L900E 1000N	1.2	0.78	41	0.4	0.05	0.1	1.8	26.6	26.5	2.05	5.1	53	0.05	8	0.11	149	14	0.03	11.4
900	1025	432231	6974133	L900E 1025N	4.9	1.71	90	0.7	0.17	0.5	3.2	81.8	121.8	5.61	9.1	115	0.08	12	0.42	231	46.3	0.02	37.1
900	1050	432250	6974148	L900E 1050N	3.5	1.01	79	0.5	0.09	0.3	1.6	49.2	47.8	3.09	5.4	171	0.05	10.8	0.14	86	44	0.02	15.4
900	1075	432269	6974164	L900E 1075N	3.7	0.59	122	0.6	0.04	0.2	0.9	35.3	39.2	2.67	4.3	110	0.05	7.9	0.07	48	39.5	0.02	12.9
900	1100	432289	6974180	L900E 1100N	0.3	0.43	14	0.2	0.06	0.05	0.6	6.7	12.4	0.77	2.4	20	0.02	3.5	0.03	63	6.2	0.05	3.5
950	925	432185	6974031	L950E 925N	5.5	3.93	153	0.8	0.04	0.9	21	35.4	216.7	17.55	12.1	227	0.17	10.7	0.39	398	18.2	0.02	66.4
950	950	432204	6974046	L950E 950N	2.8	1.78	62	1.1	0.16	0.5	1.8	40.3	58.8	3.18	6	159	0.1	13.7	0.19	74	21.6	0.02	28.9
950	975	432223	6974062	L950E 975N	0.3	0.6	5	0.4	0.02	0.1	0.7	8.1	15.7	0.59	3.8	14	0.02	6.5	0.03	33	3	0.03	4.1
950	1000	432243	6974078	L950E 1000N	2.5	1.16	54	1.3	0.07	0.5	2.4	38.1	94.8	5.05	8.5	95	0.1	18.4	0.22	194	23.8	0.02	24.5
950	1025	432262	6974094	L950E 1025N	4	1.09	9	0.2	0.04	0.3	1.1	19.8	63.2	1.14	4	64	0.02	8.6	0.1	32	6.6	0.03	7
950	1050	432282	6974110	L950E 1050N	0.3	0.58	6	0.1	0.04	0.2	0.6	4.4	13.5	0.43	2.5	11	0.02	4.9	0.02	15	1.4	0.03	3.2
950	1075	432301	6974125	L950E 1075N	0.2	0.39	3	0.1	0.02	0.05	0.8	4.5	9.3	0.43	2.6	22	0.02	4.1	0.01	36	2.6	0.03	2.5
950	1100	432320	6974141	L950E 1100N	0.5	0.67	36	0.3	0.09	0.1	1.1	24.1	18.4	1.39	3.6	30	0.04	5.2	0.08	115	7.9	0.03	7.3
1000	900	432197	6973976	L1000E 900N	0.1	0.87	4	0.1	0.04	0.05	0.8	2	12.8	0.43	3.6	5	0.01	3.8	0.01	23	0.8	0.05	2.1
1000	925	432216	6973992	L1000E 925N	1	0.53	24	0.3	0.03	0.1	1.3	15	22.8	1.66	3.7	31	0.04	5.6	0.07	74	8.2	0.03	11.9
1000	950	432236	6974008	L1000E 950N	0.7	0.74	15	0.2	0.04	0.1	2.5	21.7	21.3	2.18	5.5	38	0.04	6.2	0.14	298	5.6	0.04	9.9
1000	975	432255	6974023	L1000E 975N	0.7	1.07	60	0.4	0.08	0.2	4.7	20.8	34.9	2.19	5.4	43	0.04	10.7	0.14	338	11	0.03	18.8
1000	1000	432274	6974039	L1000E 1000N	16.1	1.6	30	24	0.08	0.3	2.9	76.8	105.4	9.92	13.1	95	0.19	5	0.51	325	21.8	0.03	16.4
1000	1025	432294	6974055	L1000E 1025N	0.1	0.56	5	0.3	0.04	0.1	0.5	3	8.9	0.35	2.4	10	0.02	2.8	0.02	16	0.9	0.04	2.3
1000	1050	432313	6974071	L1000E 1050N	3.1	2.94	45	0.6	0.23	2	13.6	32.7	112.2	2.63	4.8	245	0.07	16.9	0.21	507	19.1	0.02	51.1
1000	1075	432332	6974087	L1000E 1075N	0.9	1.02	20	0.7	0.03	0.4	3	23.9	50.9	1.84	6.8	71	0.05	13.6	0.09	121	13.3	0.02	15
1000	1100	432352	6974103	L1000E 1100N	1.7	0.6	67	0.4	0.27	0.8	1.2	30.3	28.4	1.58	3.2	125	0.06	11.4	0.06	80	15.1	0.02	16.7
1050	900	432228	6973937	L1050E 900N	1	1.19	36	0.4	0.06	0.3	3.8	36	40.4	3.37	8	53	0.06	11	0.21	254	17.6	0.02	21.3
1050	925	432248	6973953	L1050E 925N	1.3	1.1	30	0.3	0.05	0.1	2	43.5	32.2	4.7	6.9	53	0.04	8	0.3	108	8.6	0.03	10.8
1050	950	432267	6973969	L1050E 950N	4.7	3.36	102	1.3	0.1	0.3	5.2	241.3	87.1	10.47	22.2	86	0.44	8.9	1.58	337	21.7	0.03	35.5
1050	975	432287	6973985	L1050E 975N	1.1	1.13	54	0.8	0.07	0.3	3.5	38	42.5	3.85	9.6	67	0.06	12.7	0.21	130	19.9	0.02	24.6
1050	1025	432325	6974016	L1050E 1025N	0.4	0.62	17	0.3	0.04	0.2	1.1	13.6	19.9	1.37	4	29	0.03	6.4	0.07	51	7.2	0.03	9.6
1050	1050	432345	6974032	L1050E 1050N	15.9	1.37	34	2.3	0.04	0.3	1.7	166.3	86.9	21.92	16.4	121	0.18	4.4	0.91	109	13.7	0.02	13.9
1050	1075	432364	6974048	L1050E 1075N	3.2	1.8	60	1	0.18	1.9	5.2	57.1	74.6	4.01	7.3	101	0.05	11.7	0.49	192	20.5	0.02	45.1
1050	1100	432383	6974064	L1050E 1100N	1.1	1.08	75	0.4	0.59	6.2	4.9	31.1	75	2.18	4.4	60	0.06	22.6	0.22	541	15.4	0.02	126.7
1100	900	432260	6973899	L1100E 900N	0.7	0.55	3	0.05	0.12	0.05	1	11	13.7	1.15	2.8	10	0.02	3.3	0.1	43	1.7	0.03	3
1100	925	432279	6973914	L1100E 925N	1.8	1.27	43	0.5	0.12	0.3	4	39.9	47.3	3.86	7.9	82	0.08	12.1	0.21	188	26.1	0.02	28.7
1100	950	432299	6973930	L1100E 950N	1.9	1.1	33	0.5	0.04	0.2	2.4	34.8	45.6	3.72	7.7	90	0.08	12.2	0.22	69	18.9	0.02	19.8
1100	975	432318	6973946	L1100E 975N	4.4	1.07	55	0.6	0.11	0.4	1.7	45.1	58.9	4.08	6.2	176	0.12	12.2	0.2	99	35.7	0.03	30.6
1100	1000	432338	6973962	L1100E 1000N	7.9	1.26	91	0.6	0.08	0.4	2.4	48.4	47.6	5.1	9.3	355	0.08	12.8	0.19	83	29.4	0.02	31.8
1100	1025	432357	6973978	L1100E 1025N	0.1	0.51	2	0.05	0.04	0.05	0.5	1.7	7.1	0.27	2.3	19	0.01	2.4	0.01	10	0.3	0.04	1.2
1100	1050	432376	6973993	L1100E 1050N	1.8	1.26	50	0.9	0.3	0.6	3.3	36.7	57.9	3.85	6.1	95	0.08	13.1	0.22	178	25.2	0.02	41.1
1100	1075	432396	6974009	L1100E 1075N	0.4	1.21	49	0.8	0.17	0.9	4	52.8	48.9	3.62	8.2	30	0.06	15	0.41	178	18.8	0.02	46.8
1100	1100	432415	6974025	L1100E 1100N	0.8	1.01	59	0.8	0.07	2.3	12.3	30.8	69.4	2.83	5.9	29	0.07	13.5	0.21	1275	27.7	0.02	65.7
1150	900	432292	6973860	L1150E 900N	0.3	0.57	2	0.05	0.03	0.05	0.7	1.9	8.7	0.4	2.7	5	0.01	2.4	0.02	22	0.7	0.04	1.4
1150	925	432311	6973876	L1150E 925N	3.4	0.67	73	0.4	0.02	0.4	2	31.8	51.5	7.96	9.8	139	0.22	9.2	0.07	88	37.9	0.04	22.4
1150	950	432330	6973891	L1150E 950N	0.2	0.46	3	0.1	0.02	0.1	0.9	4.9	12.8	0.65	3.1	31	0.02	4.5	0.02	18	4	0.03	3.5
1150	975	432350	6973907	L1150E 975N	0.3	0.61	17	0.4	0.02	0.1	2.5	19	27.2	1.89	7.1	24	0.04	12	0.06	71	11.2	0.02	11.6
1150	1000	432369	6973923	L1150E 1000N	0.7	2.43	49	0.6	0.35	0.6	4.8	56.4	72.8	4.15	7	108	0.06	15.9	0.38	197	32.8	0.02	61.8
1150	1025	432389	6973939	L1150E 1025N	0.5	1.23	43	0.7	0.2	0.5	3.8	51.9	59.2	3.55	8.9	74	0.06	12.1	0.27	122	28.4	0.02	46.4
1150	1050	432408	6973955	L1150E 1050N	0.6	1.5	56	0.8	0.44	0.9	3.3	67.5	66.6	4.08	8.4	104	0.06	14.7	0.26	171	32.4	0.02	57.7
1150	1075	432427	6973970	L1150E 1075N	1.5	0.93	37	0.6	0.08	0.5	3.2	33	40	2.67	7.4	50	0.06	13.8	0.12	135	18.1	0.02	29.2
1150	1100	432447	6973986	L1150E 1100N	0.4	1.18	41	1.3	0.31	0.7	2.4	31.8	52.7	2.24	6.4	53	0.04	12.7	0.16	113	20.1	0.02	34.9
1200	925	432343	6973837	L1200E 925N	2.1	2.02	58	0.5	0.07	0.8	3.8	55.4	73	5.82	9	117	0.19	20.8	0.53	280	23.9	0.02	26.9
1200	950	432362	6973853	L1200E 950N	2.6	1.04	37	0.5	0.06	0.2	1.8	47.5	46.5	4.86	8.6	156	0.07	13.8	0.25	86	19.6	0.02	18.1
1200	975	432381	6973869	L1200E 975N	1.1	1.61	395	0.9	0.06	0.4	3.4	46.2	42	4.09	11.8	83	0.05	12.2	0.18	212	14.8	0.02	24.7
1200	1000	432401	6973884	L1200E 1000N	3.5	2.94	123	0.6	0.23	3.3	24.4	126.9	180.9	9.33	14.2	348	0.43	21.6	1.26	1168	80	0.03	189
1200	1025	432420	6973900	L1200E 1025N	0.5	0.96	41	0.6	0.24	0.5	3.1	45.9	59.7	3.76	7.8	71	0.06	12.2	0.18	115	31.8	0.02	49.7
1200	1050	432440	6973916	L1200E 1050N	0.4	1.02	15	0.4	0.08	0.3	2.5	25.8	29	2.1	6.4	44	0.03	8.7	0.13	72	10.7	0.02	18.3
1200	1075	432459	6973932	L1200E 1075N	0.2	0.93	15	0.4	0.06	0.3	2.3	20.8	29.8	1.86	7.2	30	0.04	10.1	0.14	63	12.8	0.02	20
1200	1100	432478	6973948	L1200E 1100N	1.1	1.54	47	0.6	0.37	1.7	5.7	42.5	175.7	2.73	5.9	103	0.05	15.7	0.23	205	26.5	0.02	143.1

	Ag_ppm	Al_pct	As_ppm	Bi_ppm	Ca_pct	Cd_ppm	Co_ppm	Cr_ppm	Cu_ppm	Fe_pct	Ga_ppm	Hg_ppb	K_pct	La_ppm	Mg_pct	Mn_ppm	Mo_ppm	Na_pct	Ni_ppm
Element	Ag	Al	As	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
Units	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Average	2.01	1.16	45.11	0.90	0.11	0.56	3.45	36.39	50.45	3.41	6.49	78.66	0.07	9.87	0.21	178.16	17.03	0.03	27.28
Median	1.05	1.03	36.50	0.45	0.07	0.30	2.35	31.45	42.25	2.65	5.95	62.00	0.05	10.70	0.14	108.50	14.95	0.02	18.20
Standard deviation	3.00	0.76	55.20	2.96	0.11	0.93	4.49	38.41	42.65	3.75	3.67	72.79	0.08	5.00	0.27	238.09	14.15	0.01	33.46

P_ppm	Pb_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Ba_ppm
332	3.9	0.03	0.3	0.4	0.25	3	0.25	0.1	0.005	0.05	0.4	10	0.1	0.8	9	1002
429	1.9	0.03	0.05	0.4	0.25	5	0.25	0.1	0.01	0.05	0.2	11	0.05	0.8	4	859
848	16.8	0.06	1.3	0.6	2.4	7	0.25	0.1	0.005	0.2	1.8	71	0.2	2.2	56	1243
1408	16.7	0.09	2	0.5	3.4	6	0.25	0.1	0.005	0.1	2	39	0.2	11.5	54	961
1907	18.2	0.14	2.4	0.5	4.7	8	0.25	0.1	0.005	0.2	3.2	90	0.4	4.4	67	890
331	3.2	0.03	0.1	0.4	0.25	4	0.25	0.1	0.01	0.05	0.3	7	0.1	0.8	4	856
601	10.7	0.03	1.8	0.4	1.7	3	0.25	0.1	0.005	0.1	0.7	23	0.1	1.4	26	1130
2670	46.5	0.17	4.6	2.1	11.4	12	0.25	0.7	0.01	0.6	7	89	0.3	28.2	171	1306
1720	17.8	0.09	2.1	0.6	5.4	10	0.25	0.1	0.005	0.3	2.7	124	0.1	3.2	86	1356
3471	70.8	0.14	8.4	2.8	33.3	21	0.25	0.6	0.005	0.7	10.7	307	0.3	9	330	1718
3297	21.8	0.09	5.9	0.8	15.2	7	0.25	0.2	0.005	0.4	4.2	206	0.2	5.4	94	1446
3030	20.9	0.15	5	0.5	9.7	7	0.25	0.1	0.005	0.5	4.1	214	0.2	4.9	81	1217
900	6.1	0.03	1.8	0	1.3	4	0.25	0.1	0.005	0.05	1	56	0.1	1.3	26	1013
2488	66	0.73	19.6	7.1	53.9	91	0.6	7.6	0.005	1.1	3	97	0.8	6.4	331	14106
3274	28.6	0.17	7.6	2.8	11.3	20	0.25	1.7	0.01	0.3	4.6	167	0.6	7.4	249	1869
627	12.8	0.03	0.8	0.5	0.9	5	0.25	0.1	0.005	0.1	0.9	30	0.2	3.7	28	1176
2191	98.6	0.19	18.6	1.8	19.6	20	0.25	0.7	0.01	0.5	4.8	176	0.4	6.8	193	1798
1413	8.1	0.08	1.4	0.6	5.2	5	0.25	0.1	0.005	0.1	3.9	30	0.1	7.4	30	1241
661	4.9	0.03	0.3	0.4	0.8	4	0.25	0.1	0.005	0.1	0.7	15	0.1	2.2	16	954
590	7	0.03	0.5	0.3	0.8	4	0.25	0.1	0.005	0.1	0.8	19	0.6	1.2	14	969
1815	9.4	0.05	1.3	0.5	3	6	0.25	0.1	0.005	0.1	2.3	118	0.1	3.1	51	1091
374	2.9	0.03	0.1	0.5	0.25	5	0.25	0.2	0.01	0.1	0.4	9	0.1	1.4	6	889
1081	13.4	0.1	5.3	0.6	4.2	8	0.25	0.1	0.005	0.2	1.4	63	0.1	1.9	101	1230
1040	13.7	0.08	3.7	1	2.9	6	0.25	0.2	0.005	0.2	1.3	51	0.1	2.6	59	1221
1471	17	0.08	2.6	1.3	4.4	11	0.25	0.4	0.005	0.3	3.3	87	0.5	5.6	131	1153
1904	191.4	0.4	5	5.5	37.9	11	2.2	2.5	0.06	0.8	2.9	129	1.5	6.8	167	15738
466	3.8	0.03	0.2	0.5	0.25	4	0.25	0.1	0.005	0.05	0.4	8	0.1	1.1	8	951
3142	29.4	0.13	3.6	2.7	11	17	0.25	1	0.01	0.4	10.9	115	0.4	22.8	315	1034
1551	24.5	0.09	1.7	0.7	5.1	10	0.25	0.2	0.005	0.3	3.7	82	0.2	5.9	97	1319
2989	20.4	0.09	1.6	0.6	8.2	29	0.25	0.1	0.005	0.3	5.6	142	0.2	8.8	160	2055
1739	28.9	0.1	4.3	1.6	7.2	14	0.25	0.6	0.01	0.4	2.7	146	0.3	4.1	150	1491
1463	22.2	0.08	3	2.4	5.8	8	0.25	0.9	0.02	0.3	1.7	78	0.2	4.6	58	1236
3407	87.8	0.43	10.5	12.9	30.3	33	0.6	2.8	0.06	2.2	3	213	0.5	7	188	5655
1841	155.2	0.11	4.1	1.6	7.5	13	0.25	0.5	0.005	0.5	3	183	0.3	4.9	199	1441
967	13.7	0.05	1.9	0.6	3.4	7	0.25	0.1	0.005	0.1	1.7	70	0.1	2.2	69	1142
3482	19.3	1.14	3	10.9	142.8	12	1.3	2	0.1	0.9	2.3	142	0.7	3.3	107	4226
2822	20.4	0.1	2.4	2.6	17.3	16	0.25	0.8	0.01	0.6	5.3	192	0.3	8.2	478	1438
3601	18.8	0.06	1.2	2	5.6	39	0.25	0.7	0.005	0.3	8.2	163	0.2	28.4	890	1759
798	4.4	0.03	1.2	1.1	2.1	8	0.25	0.2	0.01	0.1	0.4	18	0.1	1.7	18	1186
2385	34.5	0.14	6.1	1.5	8.7	18	0.25	0.4	0.01	0.5	3.9	173	0.3	6	213	1640
2178	30.1	0.18	4.1	1.1	9.7	17	0.25	0.3	0.005	0.7	3.5	130	0.2	5.4	128	1806
3439	35.1	0.27	9	1.2	16.4	23	0.25	0.3	0.005	0.7	5.3	211	0.3	5.6	247	2403
2592	35.7	0.18	8.3	2	12.6	14	0.25	1.4	0.01	0.5	4.4	243	0.3	6	248	1623
385	2.6	0.03	0.1	0.4	0.25	4	0.25	0.1	0.005	0.05	0.3	6	0.05	1.1	4	870
3618	22.4	0.12	3.7	1.8	16.5	17	0.25	0.9	0.005	0.4	4.7	184	1	7.9	332	1529
2166	23.3	0.06	2.8	1.9	10.9	15	0.25	0.6	0.005	0.6	4.5	311	0.1	6.9	326	1054
1343	19.7	0.09	1.5	2.1	12.5	15	0.25	1	0.005	0.4	4.7	199	0.2	5.1	788	1737
413	2.3	0.03	0.1	0.5	0.25	3	0.25	0.1	0.01	0.05	0.4	13	0.05	1.6	9	919
2865	42.1	0.52	12.4	1.5	26.6	26	0.25	0.8	0.01	0.8	2.5	234	0.4	4.2	216	3069
521	8	0.05	1.5	0.5	1.2	5	0.25	0.1	0.005	0.1	0.6	24	0.3	1.6	22	1071
662	26.5	0.07	2.4	1.1	3.9	9	0.25	0.5	0.01	0.4	1.4	105	0.1	3.1	75	1363
3489	38.9	0.06	8.1	2.7	12	24	0.25	1.6	0.01	0.5	5.2	239	0.3	9.8	473	1754
2634	26.6	0.07	2.2	1.1	10.5	13	0.25	0.3	0.005	0.5	5.5	281	0.1	7	348	1390
6690	25.4	0.06	3.5	1.1	12.3	20	0.25	0.3	0.005	0.5	7.9	303	0.2	10.7	528	1191
1762	23.3	0.09	1.3	1.2	7.2	14	0.25	0.3	0.005	0.4	3	178	0.1	5.6	246	1426
3002	16.6	0.05	1.3	1.3	7.5	17	0.25	0.4	0.005	0.3	4.1	180	0.8	7.5	290	1057
2180	31.2	0.22	5.2	4.7	17.6	19	0.25	1.6	0.03	1.1	3.7	226	0.4	23.7	194	1947
2314	43.7	0.19	5.5	1.9	12.8	17	0.25	0.7	0.01	0.7	3.7	141	0.3	10.4	116	1814
1639	63.4	0.11	4.4	1.5	6.5	9	0.25	0.6	0.01	0.4	3.8	208	0.2	5.1	177	1240
3948	51.8	0.43	13.4	5.2	32.1	110	0.5	3.9	0.06	2.2	10.5	207	0.4	12.6	1220	1860
2952	27.3	0.07	3.6	1.3	10.5	15	0.25	0.4	0.005	0.4	5.2	288	0.2	7.5	363	1438
2249	16.8	0.06	1	1	4.3	12	0.25	0.3	0.005	0.3	2.4	102	0.2	3.8	107	1043
1201	17.2	0.05	1.4	0.9	4.2	8	0.25	0.4	0.005	0.2	2.6	112	0.2	3.4	144	1111
3220	18.5	0.05	2.4	2	11.6	17	0.25	0.7	0.005	0.5	9.7	225	0.3	14	701	1543

P_ppm	Pb_ppm	S_pct	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Te_ppm	Th_ppm	Ti_pct	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Ba_ppm
P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Ba
ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1999.81	29.08	0.14	3.85	1.79	11.71	15.06	0.31	0.69	0.01	0.42	3.45	129.89	0.28	6.39	197.44	1894.73
1872.50	20.40	0.09	2.40	1.10	7.20	11.50	0.25	0.30	0.01	0.35	3.00	126.50	0.20	5.25	129.50	1274.50
1224.54	32.82	0.18	4.06	2.26	19.53	17.33	0.28	1.14	0.02	0.41	2.63	88.01	0.25	5.94	228.58	2480.31

APPENDIX H. ASSAY CERTIFICATES

Sample	Assay	UTME	UTMN	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	As_ppm	Ba_ppm	Cd_ppm	Co_ppm	Ni_ppm	Fe_pct	Mo_ppm	Cr_ppm	Bi_ppm	Sb_ppm	V_ppm	Sn_ppm	W_ppm
ZNK01	R0754820	432360	6974052	111	5	28	8.8	4	69	0.5	41	144	7.7	1	200	3	3	175	1	2
ZNK02	R0754821	432370	6974048	107	2	49	8.1	4	53	0.5	46	175	7.98	1	175	3	3	88	1	2
ZNK03	R0754822	432273	6974109	39	10	202	1.8	59	227	0.5	0.5	14	2.75	68	53	3	3	115	1	1
ZNK04	R0754823	432852	6974016	90	2	18	6.6	3	212	0.5	14	76	3.64	1	42	3	3	27	1	1
ZNK05	R0754824	433070	6973936	51	2	132	0.6	4	111	1	1	15	0.6	1	73	3	3	53	1	1
ZNK06	R0754825	433180	6973944	208	9	330	4.7	6	108	9	8	161	1.46	28	65	3	3	421	1	1
ZNK08	R0754826	432553	6973739	8	11	39	0.5	76	132	0.5	3	12	2.26	2	56	3	7	42	1	1
ZNK09	R0754827	432537	6973755	57	19	15	0.2	18	108	0.5	51	208	7.42	1	194	3	6	75	2	1
ZNK10	R0754828	431936	6974922	56	8	92	0.2	4	72	1	4	30	3.27	1	16	3	3	15	1	1
ZNK11	R0754829	432410	6973847	117	16	6366	3.8	6	76	64	41	197	12.4	1	109	3	3	70	1	1
ZNK12	R0754830	432410	6973847	16	2	86	0.2	6	263	0.5	3	25	1.25	2	78	3	3	16	1	1
ZNK13	R0754831	432365	6973877	123	16	13	2.9	5	64	0.5	52	237	8.67	1	272	3	3	123	1	1
ZNK14	R0754832	432336	6973893	188	25	11	6.8	4	57	0.5	61	209	12.64	1	109	3	8	69	2	1
ZNK15	R0754833	432336	6973893	15	8	20	2.6	149	50	0.5	25	62	4.12	2	145	3	13	63	1	1
ZNK16	R0754834	432382	6973955	6	21	156	5.6	168	59	4	39	130	8.3	1	263	3	3	122	4	1
ZNK17	R0754835	432436	6973818	20	2	34	0.9	48	113	0.5	40	133	3.21	1	310	3	3	142	1	1
ZNK18	R0754836	432100	6974398	103	2	40	1.7	9	150	0.5	3	81	1.2	18	137	3	3	293	1	1
ZNK19	R0754837	431680	6974442	36	2	39	0.2	107	1090	1	5	31	0.81	1	109	3	3	87	1	1
ZNK20	R0754838	431681	6974454	49	2	96	0.5	28	799	7	0.5	8	0.89	2	81	3	3	57	1	1
ZNK21	R0754839	431697	6974451	50	2	550	0.6	23	181	1	6	43	2.3	1	68	3	3	31	3	1
ZNK22	R0754840	431704	6974455	18	4	125	0.2	6	189	0.5	6	14	2.82	1	48	3	3	32	3	1
ZNK23	R0754841	431679	6974489	143	2	672	2.9	5	682	25	1	8	5.32	2	65	3	3	39	2	1
ZNK24	R0754842	432279	6974039	113	6207	4406	307	461	6339	41	13	77	5.16	3	40	524	28	51	21	1
ZNK100	R0754843	432276	6974042	47	80	83	10.2	8	262	0.5	0.5	16	3.78	14	209	5	3	342	3	1
ZNK101	R0754844	432276	6974042	95	858	970	73.6	9	2.5	6	6	34	6.81	8	79	116	10	101	16	2
ZNK102	R0754845	432276	6974042	90	154	913	24.8	28	155	2	0.5	13	26.7	6	56	99	3	127	20	77
ZNK103	R0754846	432276	6974042	96	23	1891	4.8	12	128	12	2	29	8.99	2	147	3	3	96	5	1
ZNK104	R0754847	432268	6974043	188	18	4445	5.2	4	66	118	4	48	5.19	1	97	3	3	154	15	5
ZNK105	R0754848	432275	6974042	132	16	1437	2.9	66	168	21	12	133	2.97	8	115	3	3	144	11	1
ZNK106	R0754849	432271	6974037	78	9	326	2	10	83	1	6	74	2.73	2	88	3	3	52	1	1
ZNK107	R0754850	432281	6974031	222	800	1423	148.5	7	294	16	0.5	7	8.67	8	103	169	19	177	22	1
ZNK108	R0754851	432294	6974013	149	2	167	2.7	2	2.5	0.5	15	158	4.82	14	70	3	3	98	2	1
ZNK109	R0754852	432298	6974013	142	49	6738	4.7	92	66	90	4	29	7.08	5	84	3	3	142	6	1
ZNK110	R0754853	432293	6974013	58	2	227	3	12	2.5	0.5	2	29	2.32	9	129	3	3	235	1	1
ZNK111	R0754854	432302	6974007	82	12	67	2	34	62	0.5	12	76	6.27	2	104	3	3	151	1	1
ZNK112	R0754855	432326	6974013	49	9	41	1.7	39	69	0.5	3	46	3.34	5	104	3	9	83	1	1
ZNK113	R0754856	432304	6973999	105	14	63	1.9	12	96	0.5	44	107	9.71	1	198	3	3	92	3	1
ZNK114	R0754857	432388	6973955	43	2	90	1	4	372	0.5	0.5	32	1.42	14	221	3	3	422	1	1
ZNK115	R0754859	432316	6973989	76	6	7	1	17	85	0.5	3	57	2.33	6	55	3	3	73	1	1
ZNK116	R0754860	432316	6973989	96	14	72	1.4	31	65	0.5	6	40	2.47	2	119	3	5	135	2	1
ZNK117	R0754861	432312	6973995	58	6	464	1.7	13	89	2	6	60	2.19	3	78	3	3	44	2	1
ZNK118	R0754862	432312	6973996	88	9	145	3.6	10	139	2	5	31	3.09	1	91	3	3	65	5	1
ZNK119	R0754863	432314	6973999	123	7	37	0.2	17	52	0.5	6	34	5.99	1	98	3	6	90	2	1
ZNK120	R0754864	432312	6974005	77	12	242	4.7	41	94	0.5	2	63	11.73	1	64	3	3	131	3	1
ZNK121	R0754865	432258	6974057	10	10	409	0.2	7	78	0.5	10	69	3.07	1	70	3	3	42	1	1
ZNK122	R0754866	432293	6974056	11	2	142	3.9	28	69	0.5	10	10	3.59	1	139	3	3	60	1	1
ZNK123	R0754867	432352	6974074	151	5	53	5.9	4	79	0.5	35	127	7.12	1	307	3	3	188	1	1
ZNK124	R0754868	432359	6974054	187	2	84	7.9	5	58	6	41	158	3.7	1	139	3	3	69	2	1
ZNK125	R0754869	432362	6974053	106	2	20	7.7	6	70	0.5	38	135	6.9	1	101	3	3	54	1	1
ZNK126	R0754870	432301	6974095	142	7	429	4.8	7	82	4	39	128	8.39	1	89	3	3	86	1	1
ZNK127	R0754871	432303	6974024	52	2	22	1.6	20	94	0.5	4	40	3.43	5	87	3	3	190	2	1
ZNK128	R0754872	432304	6974025	405	2	12930	11.4	6	109	152	5	62	10.98	16	101	3	3	164	33	88
				Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	As_ppm	Ba_ppm	Cd_ppm	Co_ppm	Ni_ppm	Fe_pct	Mo_ppm	Cr_ppm	Bi_ppm	Sb_ppm	V_ppm	Sn_ppm	W_ppm
			Avg	93.88	163.71	912.62	13.70	33.73	272.99	11.55	15.12	75.67	5.42	5.40	116.35	20.27	4.56	115.63	4.19	4.27
			Median	89.00	8.00	110.50	2.90	10.00	91.50	0.50	6.00	58.50	3.74	2.00	99.50	3.00	3.00	89.00	1.00	1.00
			Stdev	70.08	869.38	2259.21	47.17	70.11	879.53	29.93	17.58	62.44	4.38	10.44	67.86	77.39	4.43	90.48	6.73	15.85

Sr_ppm	Y_ppm	La_ppm	Mn_ppm	Mg_pct	Ti_pct	Al_pct	Ca_pct	Na_pct	K_pct	P_ppm	S_pct	Se_ppm
296	3	2	282	2.05	0.18	3.18	4.43	0.28	0.97	542	5.31	79
434	4	2	266	1.79	0.24	3.19	4.82	0.22	0.85	395	5.86	110
4	3	5	30	0.03	0.005	0.33	0.06	0.06	0.06	1022	0.09	8
573	5	6	42	0.04	0.19	3.42	5.93	0.28	0.01	1413	1.65	91
107	3	2	77	0.58	0.03	1.05	0.78	0.07	0.09	251	0.15	7
113	31	6	139	0.27	0.01	1.02	2.94	0.08	0.21	12110	1.29	109
20	2	1	65	0.04	0.02	0.29	0.28	0.04	0.03	503	0.88	10
360	4	3	307	0.91	0.11	2.51	2.93	0.24	0.35	979	4.7	33
63	5	4	968	0.42	0.01	0.66	0.71	0.03	0.03	340	1.88	21
274	5	2	348	1.07	0.12	2.77	3.16	0.2	0.18	823	7.52	50
11	1	3	68	0.15	0.005	0.47	0.08	0.05	0.04	132	0.37	3
335	6	3	318	1.61	0.21	2.68	3.51	0.26	0.43	558	6.16	32
316	5	1	410	1.03	0.12	2.61	2.74	0.17	0.39	821	10.39	54
133	4	2	181	0.64	0.05	1.8	1.27	0.15	0.08	194	3.28	8
334	8	2	2347	3.56	0.29	3.26	3.5	0.07	1.35	258	7.59	6
258	5	8	216	2.3	0.21	2.83	3.6	0.24	0.99	1530	2.67	3
78	1	1	53	0.11	0.01	1.25	0.73	0.09	0.08	70	0.58	42
21	5	3	48	0.12	0.06	0.8	0.42	0.04	0.05	62	0.13	9
21	3	3	32	0.07	0.05	0.53	0.17	0.04	0.04	231	0.13	19
96	10	25	324	0.96	0.08	2.03	1.29	0.27	0.21	471	0.82	10
37	12	28	428	0.87	0.14	1.62	0.66	0.16	0.39	530	0.65	5
43	13	3	332	0.24	0.02	1	0.44	0.06	0.02	901	0.18	57
76	33	9	6016	0.24	0.01	1.81	0.67	0.04	0.05	2121	0.03	131
17	6	6	184	0.08	0.04	0.87	0.02	0.04	0.34	330	0.45	22
73	19	14	1318	0.04	0.03	2.17	0.38	0.04	0.14	1958	0.03	77
12	4	2	478	0.05	0.05	0.18	0.09	0.06	0.04	1343	1.02	252
18	6	3	285	0.07	0.04	0.9	0.1	0.06	0.22	380	0.83	35
6	16	2	231	0.03	0.06	1.82	0.23	0.04	0.08	883	1.49	113
17	17	7	131	0.03	0.06	2.18	0.19	0.04	0.11	746	0.52	63
4	6	1	142	0.05	0.01	0.88	0.03	0.06	0.31	238	1.44	3
29	12	10	243	0.03	0.05	1.25	0.3	0.04	0.08	2305	0.38	182
25	6	8	171	0.15	0.02	3.13	0.02	0.05	0.32	478	0.03	18
10	10	1	180	0.07	0.03	1.33	0.49	0.04	0.05	3021	3.29	94
100	19	7	77	0.08	0.04	1.51	0.35	0.1	0.6	1605	0.03	18
4	4	1	164	0.15	0.01	1.56	0.16	0.09	0.43	1107	5.2	13
8	3	1	59	0.08	0.02	1.59	0.06	0.05	0.41	842	1.53	10
124	11	1	922	0.93	0.19	3.05	3.32	0.14	0.64	1221	3.18	20
52	2	2	32	0.1	0.02	0.94	0.4	0.13	0.09	107	0.12	18
13	1	1	113	0.08	0.005	1.04	0.02	0.08	0.2	88	1.16	3
22	4	1	115	0.13	0.005	1.63	0.24	0.1	0.53	1125	1.42	3
13	6	1	27	0.02	0.01	0.91	0.02	0.04	0.18	200	1.1	8
22	7	2	68	0.06	0.01	1.74	0.19	0.04	0.23	1081	0.94	9
2	1	1	222	0.09	0.01	1.47	0.01	0.04	0.31	420	4.3	7
2	7	1	323	0.09	0.02	1.8	0.02	0.03	0.59	805	2.41	3
109	7	8	348	1.11	0.08	2.22	1.89	0.34	0.36	424	1.68	3
112	6	7	163	1.48	0.1	2.36	2.26	0.43	0.57	350	1.88	33
370	4	2	467	2.79	0.26	3.03	4.13	0.18	1.32	1211	4.74	107
226	3	3	123	0.66	0.2	2.43	2.41	0.21	0.33	657	3.27	152
433	3	3	151	0.88	0.22	3.06	5.28	0.25	0.37	1057	4.96	174
301	4	1	555	1.29	0.08	3.05	4.63	0.14	0.58	867	5.48	33
6	2	1	52	0.03	0.04	1.69	0.12	0.05	0.32	972	1.7	5
1	11	1	844	0.03	0.05	1.09	0.13	0.03	0.05	1302	6.37	280
Sr_ppm	Y_ppm	La_ppm	Mn_ppm	Mg_pct	Ti_pct	Al_pct	Ca_pct	Na_pct	K_pct	P_ppm	S_pct	Se_ppm
117.96	7.27	4.29	413.17	0.57	0.08	1.77	1.40	0.12	0.32	1026.54	2.37	51.06
47.50	5.00	2.00	182.50	0.14	0.05	1.66	0.43	0.07	0.23	775.50	1.47	20.50
145.20	6.70	5.35	882.37	0.79	0.08	0.91	1.70	0.10	0.32	1684.51	2.45	64.34

BOOTLEG EXPL'N/ZNK-X07

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SEP 25 2007

Ref/I.D.:
Smpl Series; SS1-SL300/L850E-L1200E
Report Date: 31 AUG 2007
GDL Job No: V07-0824S

LAB NO	FIELD NUMBER	S_Type	A_Num	Ba(L) ppm
S0704429	SS1		V07-0824S	1062
S0704430	SS2		V07-0824S	372
S0704431	SS3		V07-0824S	332
S0704432	SS4		V07-0824S	427
S0704433	SL0		V07-0824S	983
S0704434	SL50		V07-0824S	1192
S0704435	SL100		V07-0824S	1352
S0704436	SL150		V07-0824S	1760
S0704437	SL200		V07-0824S	978
S0704438	SL250		V07-0824S	1922
S0704439	SL300		V07-0824S	956
S0704440	L850E 900N		V07-0824S	1002
S0704441	L850E 925N		V07-0824S	859
S0704442	L850E 950N		V07-0824S	1243
S0704443	L850E 975N		V07-0824S	961
S0704444	L850E 1000N		V07-0824S	890
S0704445	L900E 900N		V07-0824S	856
S0704446	L900E 950N		V07-0824S	1130
S0704447	L900E 975N		V07-0824S	1306
S0704448	L900E 1000N		V07-0824S	1356
S0704449	L900E 1025N		V07-0824S	1718
S0704450	L900E 1050N		V07-0824S	1446
S0704451	L900E 1075N		V07-0824S	1217
S0704452	L900E 1100N		V07-0824S	1013
S0704453	L950E 925N		V07-0824S	14106
S0704454	L950E 950N		V07-0824S	1869
S0704455	L950E 975N		V07-0824S	1176
S0704456	L950E 1000N		V07-0824S	1798
S0704457	L950E 1025N		V07-0824S	1241
S0704458	L950E 1050N		V07-0824S	954
S0704459	L950E 1075N		V07-0824S	969
S0704460	L950E 1100N		V07-0824S	1091
S0704461	L1000E 900N		V07-0824S	889
S0704462	L1000E 925N		V07-0824S	1230
S0704463	L1000E 950N		V07-0824S	1221

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GDL Job No: V07-0824S

LAB NO	FIELD NUMBER	S_Type	A_Num	Ba(L) ppm
S0704464	L1000E 975N		V07-0824S	1153
S0704465	L1000E 1000N		V07-0824S	15738
S0704466	L1000E 1025N		V07-0824S	951
S0704467	L1000E 1050N		V07-0824S	1034
S0704468	L1000E 1075N		V07-0824S	1319
S0704469	L1000E 1100N		V07-0824S	2055
S0704470	L1050E 900N		V07-0824S	1491
S0704471	L1050E 925N		V07-0824S	1236
S0704472	L1050E 950N		V07-0824S	5655
S0704473	L1050E 975N		V07-0824S	1441
S0704474	L1050E 1025N		V07-0824S	1142
S0704475	L1050E 1050N		V07-0824S	4226
S0704476	L1050E 1075N		V07-0824S	1438
S0704477	L1050E 1100N		V07-0824S	1759
S0704478	L1100E 900N		V07-0824S	1186
S0704479	L1100E 925N		V07-0824S	1640
S0704480	L1100E 950N		V07-0824S	1806
S0704481	L1100E 975N		V07-0824S	2403
S0704482	L1100E 1000N		V07-0824S	1623
S0704483	L1100E 1025N		V07-0824S	870
S0704484	L1100E 1050N		V07-0824S	1529
S0704485	L1100E 1075N		V07-0824S	1054
S0704486	L1100E 1100N		V07-0824S	1737
S0704487	L1150E 900N		V07-0824S	919
S0704488	L1150E 925N		V07-0824S	3069
S0704489	L1150E 950N		V07-0824S	1071
S0704490	L1150E 975N		V07-0824S	1363
S0704491	L1150E 1000N		V07-0824S	1754
S0704492	L1150E 1025N		V07-0824S	1390
S0704493	L1150E 1050N		V07-0824S	1191
S0704494	L1150E 1075N		V07-0824S	1426
S0704495	L1150E 1100N		V07-0824S	1057
S0704496	L1200E 925N		V07-0824S	1947
S0704497	L1200E 950N		V07-0824S	1814
S0704498	L1200E 975N		V07-0824S	1240
S0704499	L1200E 1000N		V07-0824S	1860
S0704500	L1200E 1025N		V07-0824S	1438
S0704501	L1200E 1050N		V07-0824S	1043
S0704502	L1200E 1075N		V07-0824S	1111
S0704503	L1200E 1100N		V07-0824S	1543

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GDL Job No: V07-0824S

LAB NO	FIELD NUMBER	S_Type	A_Num	Ba(L) ppm

I=insufficient sample

If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

Ba(L) X-Ray fluorescence / loose powder

Fred Lo, Chemist-Teck Cominco G.D.L.

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BOOTLEG EXPL'N/ZNK-X07

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Ref/I.D.:
Smpl Series; SS1-SL300 / L850E - L1200E
Report Date: 7 SEPT 2007
GDL Job No: V07-0824S

LAB NO	FIELD NUMBER	S_Type	A_Num	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
S0704429	SS1		V07-0824S	1	1.93	178	238	1.8	0.44	11.7	23.2	38.9	131.7	2.64	8.2	121	0.15	35.1	0.64	541	7.1	0.04	194.9	977	88.2	0.05	1.9	4.7	3.4	41	<.5	8.6	0.08	0.2	24.1	74	2.8	20.2	1621
S0704430	SS2		V07-0824S	1.2	6.99	125	109	0.1	0.20	5.2	6.6	30.8	105	0.75	2.2	107	0.03	10.7	0.08	545	9.3	0.02	133.4	7910	12.1	0.58	1.8	1.1	8.9	14	<.5	0.3	0.01	0.1	10.1	36	0.7	74.2	695
S0704431	SS3		V07-0824S	0.6	1.43	57	73	0.6	0.11	12.9	7	13.1	45.4	25.70	2.7	55	0.05	7.8	0.21	86	23.4	0.02	109.9	692	22.8	0.76	4.0	1.9	19.8	11	<.5	3.5	0.03	0.2	10.7	33	1.2	28.7	1463
S0704432	SS4		V07-0824S	0.9	7.4	206	98	0.7	0.16	3.7	9.8	22.7	100	4.05	4.3	126	0.10	14.2	0.27	298	28.7	0.03	64.5	761	34.5	1.08	4.1	3.3	14.4	15	<.5	5.3	0.05	0.1	20.1	59	4.3	37.5	635
S0704433	SL0		V07-0824S	0.2	0.65	3	78	0.1	0.08	1.0	1.5	8.8	15.8	0.69	4.9	15	0.01	5.4	0.02	43	3.4	0.03	8.2	539	6.0	<.05	0.8	0.7	1.6	6	<.5	0.2	0.01	0.1	1.0	69	0.2	2.4	57
S0704434	SL50		V07-0824S	0.1	0.28	3	52	0.1	0.01	0.2	0.8	5.4	9.6	0.59	2.5	11	0.02	6.6	0.01	18	3.9	0.03	3.9	359	5.8	<.05	0.7	0.3	1.0	5	<.5	<.2	<.01	0.1	0.7	39	0.1	1.8	27
S0704435	SL100		V07-0824S	0.9	0.8	9	162	0.2	0.17	1.0	1.2	16.6	35.4	0.99	3.6	26	0.03	9.3	0.09	55	10.4	0.03	12.9	1383	18.7	0.07	2.2	0.6	3.6	11	<.5	<.2	<.01	0.2	3.2	71	0.2	4.7	99
S0704436	SL150		V07-0824S	0.6	1.03	33	396	0.4	0.43	7.0	6.4	40.7	50.1	1.82	6.4	27	0.04	9.6	0.24	294	23.7	0.02	60.5	1956	16.2	0.12	3.1	1.3	3.9	23	<.5	0.3	<.01	0.2	3.4	192	0.6	5.8	677
S0704437	SL200		V07-0824S	0.1	0.56	3	101	<0.1	0.13	1.0	0.3	1.5	10.5	0.12	2.8	10	0.01	2.8	0.02	10	1.0	0.04	6	588	3.1	0.06	0.7	0.5	9.3	7	<.5	<.2	0.01	<0.1	0.7	4	<0.1	1.4	36
S0704438	SL250		V07-0824S	3.2	1.25	47	468	0.8	0.28	2.8	1.8	56	41.8	3.83	10.1	155	0.07	13.8	0.18	49	21.7	0.02	35.6	2324	74.6	0.17	4.2	1.6	14.3	23	<.5	0.9	0.01	0.4	5.5	314	0.7	7.5	230
S0704439	SL300		V07-0824S	1.3	1.6	18	79	0.4	0.05	0.4	3.4	30.2	46.8	2.90	8.2	90	0.04	10.8	0.28	78	7.0	0.02	16.2	1322	22.0	0.06	1.1	1.4	3.7	7	<.5	0.3	<.01	0.6	3.4	69	0.2	4.9	70
S0704440	L850E 900N		V07-0824S	<0.1	0.22	3.3	69	0.1	0.02	<0.1	0.5	2.6	4.9	0.34	2.7	15	0.01	2.2	0.01	11	1.2	0.04	2	332	3.9	<.05	0.3	0.4	<.5	3	<.5	<.2	<.01	<0.1	0.4	10	0.1	0.8	9
S0704441	L850E 925N		V07-0824S	<0.1	0.41	2	11	<0.1	0.07	<0.1	0.7	1.7	5.4	0.32	2.3	<10	0.01	2.2	0.02	15	0.3	0.04	0.9	429	1.9	<.05	<0.1	0.4	<.5	5	<.5	<.2	0.01	<0.1	0.2	11	<0.1	0.8	4
S0704442	L850E 950N		V07-0824S	0.4	0.55	18	171	0.4	0.03	0.2	1.7	18.4	16.4	1.37	5.3	34	0.04	8.0	0.10	112	6.9	0.03	8.4	848	16.8	0.06	1.3	0.6	2.4	7	<.5	<.2	<.01	0.2	1.8	71	0.2	2.2	56
S0704443	L850E 975N		V07-0824S	1.1	1.09	11	125	0.4	0.07	0.5	1.2	10.3	38.6	0.96	3.6	39	0.03	7.4	0.08	43	6.4	0.03	9	1408	16.7	0.09	2.0	0.5	3.4	6	<.5	<.2	<.01	0.1	2.0	39	0.2	11.5	54
S0704444	L850E 1000N		V07-0824S	1.2	0.76	21	110	0.4	0.07	0.3	2	22.5	27.6	1.61	5.7	69	0.06	9.8	0.10	55	11.1	0.02	11.3	1907	18.2	0.14	2.4	0.5	4.7	8	<.5	<.2	<.01	0.2	3.2	90	0.4	4.4	67
S0704445	L900E 900N		V07-0824S	<0.1	0.51	3	24	<0.1	0.05	<0.1	1.1	1.9	6.4	0.33	2.8	11	0.01	2.1	0.01	65	0.4	0.04	1.2	331	3.2	<.05	0.1	0.4	<.5	4	<.5	<.2	0.01	<0.1	0.3	7	0.1	0.8	4
S0704446	L900E 950N		V07-0824S	0.7	0.37	5	93	0.2	0.01	<0.1	0.6	6.6	10.7	0.78	2.4	12	0.02	2.7	0.02	29	3.6	0.03	3.5	601	10.7	<.05	1.8	0.4	1.7	3	<.5	<.2	<.01	0.1	0.7	23	0.1	1.4	26
S0704447	L900E 975N		V07-0824S	3.2	3	35	377	1.0	0.07	0.5	15.6	27.3	100.3	3.19	5.7	99	0.07	12.1	0.22	833	14.7	0.02	26	2670	46.5	0.17	4.6	2.1	11.4	12	<.5	0.7	0.01	0.6	7.0	89	0.3	28.2	171
S0704447 rpt		DI	V07-0824S	3.2	2.98	37	371	0.9	0.08	0.5	15.9	27.5	99.5	3.19	5.6	102	0.07	12.2	0.22	856	15.4	0.02	26.6	2836	46.3	0.18	4.7	2.2	11.9	17.2	<.5	0.7	0.01	0.6	6.9	95	0.3	29.1	177
S0704448	L900E 1000N		V07-0824S	1.2	0.78	41	215	0.4	0.05	0.1	1.8	26.6	26.5	2.05	5.1	53	0.05	8.0	0.11	149	14.0	0.03	11.4	1720	17.8	0.09	2.1	0.6	5.4	10	<.5	<.2	<.01	0.3	2.7	124	0.1	3.2	86
S0704449	L900E 1025N		V07-0824S	4.9	1.71	90	305	0.7	0.17	0.5	3.2	81.8	121.8	5.61	9.1	115	0.08	12.0	0.42	231	46.3	0.02	37.1	3471	70.8	0.14	8.4	2.8	33.3	21	<.5	0.6	<.01	0.7	10.7	307	0.3	9	330
S0704450	L900E 1050N		V07-0824S	3.5	1.01	79	153	0.5	0.09	0.3	1.6	49.2	47.8	3.09	5.4	171	0.05	10.8	0.14	86	44.0	0.02	15.4	3297	21.8	0.09	5.9	0.8	15.2	7	<.5	0.2	<.01	0.4	4.2	206	0.2	5.4	94
S0704451	L900E 1075N		V07-0824S	3.7	0.59	122	171	0.6	0.04	0.2	0.9	35.3	39.2	2.67	4.3	110	0.05	7.9	0.07	48	39.5	0.02	12.9	3030	20.9	0.15	5.0	0.5	9.7	7	<.5	<.2	<.01	0.5	4.1	214	0.2	4.9	81
S0704452	L900E 1100N		V07-0824S	0.3	0.43	14	35	0.2	0.06	<0.1	0.6	6.7	12.4	0.77	2.4	20	0.02	3.5	0.03	63	6.2	0.05	3.5	900	6.1	<.05	1.8	0.0	1.3	4	<.5	<.2	<.01	<0.1	1.0	56	0.1	1.3	26
S0704453	L950E 925N		V07-0824S	5.5	3.93	153	573	0.8	0.04	0.9	21	35.4	216.7	17.55	12.1	227	0.17	10.7	0.39	398	18.2	0.02	66.4	2488	66.0	0.73	19.6	7.1	53.9	91	0.6	7.6	<.01	1.1	3.0	97	0.8	6.4	331
S0704454	L950E 950N		V07-0824S	2.8	1.78	62	696	1.1	0.16	0.5	1.8	40.3	58.8	3.18	6.0	159	0.10	13.7	0.19	74	21.6	0.02	28.9	3274	28.6	0.17	7.6	2.8	11.3	20	<.5	1.7	0.01	0.3	4.6	167	0.6	7.4	249
S0704455	L950E 975N		V07-0824S	0.3	0.6	5	88	0.4	0.02	0.1	0.7	8.1	15.7	0.59	3.8	14	0.02	6.5	0.03	33	3.0	0.03	4.1	627	12.8	<.05	0.8	0.5	0.9	5	<.5	<.2	<.01	0.1	0.9	30	0.2	3.7	28
S0704456	L950E 1000N		V07-0824S	2.5	1.16	54	527	1.3	0.07	0.5	2.4	38.1	94.8	5.05	8.5	95	0.10	18.4	0.22	194	23.8	0.02	24.5	2191	98.6	0.19	18.6	1.8	19.6	20	<.5	0.7	0.01	0.5	4.8	176	0.4	6.8	193
S0704457	L950E 1025N		V07-0824S	4	1.09	9	93	0.2	0.04	0.3	1.1	19.8	63.2	1.14	4.0	64	0.02	8.6	0.10	32	6.6	0.03	7	1413	8.1	0.08	1.4	0.6	5.2	5	<.5	<.2	<.01	0.1	3.9	30	0.1	7.4	30
S0704458	L950E 1050N		V07-0824S	0.3	0.58	6	40	0.1	0.04	0.2	0.6	4.4	13.5	0.43	2.5	11	0.02	4.9	0.02	15	1.4	0.03	3.2	661	4.9	<.05	0.3	0.4	0.8	4	<.5	<.2	<.01	0.1	0.7	15	0.1	2.2	16
S0704459	L950E 1075N		V07-0824S	0.2	0.39	3	45	0.1	0.02	<0.1	0.8	4.5	9.3	0.43	2.6	22	0.02	4.1	0.01	36	2.6	0.03	2.5	590	7.0	<.05	0.5	0.3	0.8	4	<.5	<.2	<.01	0.1	0.8	19	0.6	1.2	14
S0704460	L950E 1100N		V07-0824S	0.5	0.67	36	97	0.3	0.09	0.1	1.1	24.1	18.4	1.39	3.6	30	0.04	5.2	0.08	115	7.9	0.03	7.3	1815	9.4	0.05	1.3	0.5	3.0	6	<.5	<.2	<.01	0.1	2.3	118	0.1	3.1	51
S0704461	L1000E 900N		V07-0824S	0.1	0.87	4	36	0.1	0.04	<0.1	0.8	2	12.8	0.43	3.6	<10	0.01	3.8	0.01	23	0.8	0.05	2.1	374	2.9	<.05	0.1	0.5	<.5	5	<.5	0.2	0.01	0.1	0.4	9	0.1	1.4	6
S0704462	L1000E 925N		V07-0824S	1	0.53	24	266	0.3	0.03	0.1	1.3	15	22.8	1.66	3.7	31	0.04	5.6	0.07	74	8.2	0.03	11.9	1081	13.4	0.10	5.3	0.6	4.2	8	<.5	<.2	<.01	0.2	1.4	63	0.1	1.9	101
S0704463	L1000E 950N		V07-0824S	0.7	0.74	15	151	0.2	0.04	0.1	2.5	21.7	21.3	2.18	5.5	38	0.04	6.2	0.14	298	5.6	0.04	9.9	1040	13.7	0.08	3.7	1.0	2.9	6	<.5	0.2	<.01	0.2	1.3	51	0.1	2.6	59
S0704464	L1000E 975N		V07-0824S	0.7	1.07	60	215	0.4	0.08	0.2	4.7	20.8	34.9	2.19	5.4	43	0.04	10.7	0.14	338	11.0	0.03	18.8	1471	17.0	0.08	2.6	1.3	4.4	11	<.5	0.4	<.01	0.3	3.3	87	0.5	5.6	131
S0704465	L1000E 1000N		V07-0824S	16.1	1.6	30	1161	24.0	0.08	0.3	2.9	76.8	105.4	9.92	13.1	95	0.19	5.0	0.51	325	21.8	0.03	16.4	1904	191.4	0.40	5.0	5.5	37.9	11	2.2	2.5	0.06	0.8	2.9	129	1.5	6.8	167

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GDL Job No: V07-0824S

LAB NO	FIELD NUMBER	S_Type	A_Num	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
S0704466	L1000E 1025N		V07-0824S	0.1	0.56	5	79	0.3	0.04	0.1	0.5	3	8.9	0.35	2.4	10	0.02	2.8	0.02	16	0.9	0.04	2.3	466	3.8	<.05	0.2	0.5	<.5	4	<.5	<.2	<.01	<0.1	0.4	8	0.1	1.1	8
S0704467	L1000E 1050N		V07-0824S	3.1	2.94	45	185	0.6	0.23	2.0	13.6	32.7	112.2	2.63	4.8	245	0.07	16.9	0.21	507	19.1	0.02	51.1	3142	29.4	0.13	3.6	2.7	11.0	17	<.5	1.0	0.01	0.4	10.9	115	0.4	22.8	315
S0704468	L1000E 1075N		V07-0824S	0.9	1.02	20	143	0.7	0.03	0.4	3	23.9	50.9	1.84	6.8	71	0.05	13.6	0.09	121	13.3	0.02	15	1551	24.5	0.09	1.7	0.7	5.1	10	<.5	0.2	<.01	0.3	3.7	82	0.2	5.9	97
S0704468 rpt		DI	V07-0824S	0.9	1.03	21	149	0.6	0.03	0.4	3	24.2	49.9	1.87	6.6	65	0.05	13.4	0.09	125	13.4	0.02	15.1	1526	25.0	0.09	1.7	0.9	5.5	16.2	<.5	0.2	<.01	0.3	3.8	85	0.3	5.8	100
S0704469	L1000E 1100N		V07-0824S	1.7	0.6	67	351	0.4	0.27	0.8	1.2	30.3	28.4	1.58	3.2	125	0.06	11.4	0.06	80	15.1	0.02	16.7	2989	20.4	0.09	1.6	0.6	8.2	29	<.5	<.2	<.01	0.3	5.6	142	0.2	8.8	160
S0704470	L1050E 900N		V07-0824S	1	1.19	36	338	0.4	0.06	0.3	3.8	36	40.4	3.37	8.0	53	0.06	11.0	0.21	254	17.6	0.02	21.3	1739	28.9	0.10	4.3	1.6	7.2	14	<.5	0.6	0.01	0.4	2.7	146	0.3	4.1	150
S0704471	L1050E 925N		V07-0824S	1.3	1.1	30	179	0.3	0.05	0.1	2	43.5	32.2	4.70	6.9	53	0.04	8.0	0.30	108	8.6	0.03	10.8	1463	22.2	0.08	3.0	2.4	5.8	8	<.5	0.9	0.02	0.3	1.7	78	0.2	4.6	58
S0704472	L1050E 950N		V07-0824S	4.7	3.36	102	1488	1.3	0.10	0.3	5.2	241.3	87.1	10.47	22.2	86	0.44	8.9	1.58	337	21.7	0.03	35.5	3407	87.8	0.43	10.5	12.9	30.3	33	0.6	2.8	0.06	2.2	3.0	213	0.5	7	188
S0704473	L1050E 975N		V07-0824S	1.1	1.13	54	221	0.8	0.07	0.3	3.5	38	42.5	3.85	9.6	67	0.06	12.7	0.21	130	19.9	0.02	24.6	1841	155.2	0.11	4.1	1.6	7.5	13	<.5	0.5	<.01	0.5	3.0	183	0.3	4.9	199
S0704474	L1050E 1025N		V07-0824S	0.4	0.62	17	146	0.3	0.04	0.2	1.1	13.6	19.9	1.37	4.0	29	0.03	6.4	0.07	51	7.2	0.03	9.6	967	13.7	0.05	1.9	0.6	3.4	7	<.5	<.2	<.01	0.1	1.7	70	0.1	2.2	69
S0704475	L1050E 1050N		V07-0824S	15.9	1.37	34	271	2.3	0.04	0.3	1.7	166.3	86.9	21.92	16.4	121	0.18	4.4	0.91	109	13.7	0.02	13.9	3482	19.3	1.14	3.0	10.9	142.8	12	1.3	2.0	0.10	0.9	2.3	142	0.7	3.3	107
S0704476	L1050E 1075N		V07-0824S	3.2	1.8	60	199	1.0	0.18	1.9	5.2	57.1	74.6	4.01	7.3	101	0.05	11.7	0.49	192	20.5	0.02	45.1	2822	20.4	0.10	2.4	2.6	17.3	16	<.5	0.8	0.01	0.6	5.3	192	0.3	8.2	478
S0704477	L1050E 1100N		V07-0824S	1.1	1.08	75	302	0.4	0.59	6.2	4.9	31.1	75	2.18	4.4	60	0.06	22.6	0.22	541	15.4	0.02	126.7	3601	18.8	0.06	1.2	2.0	5.6	39	<.5	0.7	<.01	0.3	8.2	163	0.2	28.4	890
S0704478	L1100E 900N		V07-0824S	0.7	0.55	3	66	<0.1	0.12	<0.1	1	11	13.7	1.15	2.8	10	0.02	3.3	0.10	43	1.7	0.03	3	798	4.4	<.05	1.2	1.1	2.1	8	<.5	0.2	0.01	0.1	0.4	18	0.1	1.7	18
S0704479	L1100E 925N		V07-0824S	1.8	1.27	43	406	0.5	0.12	0.3	4	39.9	47.3	3.86	7.9	82	0.08	12.1	0.21	188	26.1	0.02	28.7	2385	34.5	0.14	6.1	1.5	8.7	18	<.5	0.4	0.01	0.5	3.9	173	0.3	6	213
S0704480	L1100E 950N		V07-0824S	1.9	1.1	33	761	0.5	0.04	0.2	2.4	34.8	45.6	3.72	7.7	90	0.08	12.2	0.22	69	18.9	0.02	19.8	2178	30.1	0.18	4.1	1.1	9.7	17	<.5	0.3	<.01	0.7	3.5	130	0.2	5.4	128
S0704481	L1100E 975N		V07-0824S	4.4	1.07	55	825	0.6	0.11	0.4	1.7	45.1	58.9	4.08	6.2	176	0.12	12.2	0.20	99	35.7	0.03	30.6	3439	35.1	0.27	9.0	1.2	16.4	23	<.5	0.3	<.01	0.7	5.3	211	0.3	5.6	247
S0704482	L1100E 1000N		V07-0824S	7.9	1.26	91	478	0.6	0.08	0.4	2.4	48.4	47.6	5.10	9.3	355	0.08	12.8	0.19	83	29.4	0.02	31.8	2592	35.7	0.18	8.3	2.0	12.6	14	<.5	1.4	0.01	0.5	4.4	243	0.3	6	248
S0704483	L1100E 1025N		V07-0824S	0.1	0.51	2	37	<0.1	0.04	<0.1	0.5	1.7	7.1	0.27	2.3	19	0.01	2.4	0.01	10	0.3	0.04	1.2	385	2.6	<.05	0.1	0.4	<.5	4	<.5	<.2	<.01	<0.1	0.3	6	<0.1	1.1	4
S0704484	L1100E 1050N		V07-0824S	1.8	1.26	50	325	0.9	0.30	0.6	3.3	36.7	57.9	3.85	6.1	95	0.08	13.1	0.22	178	25.2	0.02	41.1	3618	22.4	0.12	3.7	1.8	16.5	17	<.5	0.9	<.01	0.4	4.7	184	1.0	7.9	332
S0704485	L1100E 1075N		V07-0824S	0.4	1.21	49	130	0.8	0.17	0.9	4	52.8	48.9	3.62	8.2	30	0.06	15.0	0.41	178	18.8	0.02	46.8	2166	23.3	0.06	2.8	1.9	10.9	15	<.5	0.6	<.01	0.6	4.5	311	0.1	6.9	326
S0704486	L1100E 1100N		V07-0824S	0.8	1.01	59	320	0.8	0.07	2.3	12.3	30.8	69.4	2.83	5.9	29	0.07	13.5	0.21	1275	27.7	0.02	65.7	1343	19.7	0.09	1.5	2.1	12.5	15	<.5	1.0	<.01	0.4	4.7	199	0.2	5.1	788
S0704487	L1150E 900N		V07-0824S	0.3	0.57	2	18	<0.1	0.03	<0.1	0.7	1.9	8.7	0.40	2.7	<10	0.01	2.4	0.02	22	0.7	0.04	1.4	413	2.3	<.05	0.1	0.5	<.5	3	<.5	<.2	0.01	<0.1	0.4	13	<0.1	1.6	9
S0704488	L1150E 925N		V07-0824S	3.4	0.67	73	706	0.4	0.02	0.4	2	31.8	51.5	7.96	9.8	139	0.22	9.2	0.07	88	37.9	0.04	22.4	2865	42.1	0.52	12.4	1.5	26.6	26	<.5	0.8	0.01	0.8	2.5	234	0.4	4.2	216
S0704488 rpt		DI	V07-0824S	3.5	0.65	78	852	0.4	0.02	0.4	2	32.7	56	8.38	10.3	133	0.23	9.4	0.07	85	41.7	0.04	24.4	2902	45.3	0.53	13.9	1.7	28.9	37	<.5	1.2	0.01	0.8	2.7	245	0.4	4.4	228
S0704489	L1150E 950N		V07-0824S	0.2	0.46	3	74	0.1	0.02	0.1	0.9	4.9	12.8	0.65	3.1	31	0.02	4.5	0.02	18	4.0	0.03	3.5	521	8.0	0.05	1.5	0.5	1.2	5	<.5	<.2	<.01	0.1	0.6	24	0.3	1.6	22
S0704490	L1150E 975N		V07-0824S	0.3	0.61	17	233	0.4	0.02	0.1	2.5	19	27.2	1.89	7.1	24	0.04	12.0	0.06	71	11.2	0.02	11.6	662	26.5	0.07	2.4	1.1	3.9	9	<.5	0.5	0.01	0.4	1.4	105	0.1	3.1	75
S0704491	L1150E 1000N		V07-0824S	0.7	2.43	49	334	0.6	0.35	0.6	4.8	56.4	72.8	4.15	7.0	108	0.06	15.9	0.38	197	32.8	0.02	61.8	3489	38.9	0.06	8.1	2.7	12.0	24	<.5	1.6	0.01	0.5	5.2	239	0.3	9.8	473
S0704492	L1150E 1025N		V07-0824S	0.5	1.23	43	203	0.7	0.20	0.5	3.8	51.9	59.2	3.55	8.9	74	0.06	12.1	0.27	122	28.4	0.02	46.4	2634	26.6	0.07	2.2	1.1	10.5	13	<.5	0.3	<.01	0.5	5.5	281	0.1	7	348
S0704493	L1150E 1050N		V07-0824S	0.6	1.5	56	208	0.8	0.44	0.9	3.3	67.5	66.6	4.08	8.4	104	0.06	14.7	0.26	171	32.4	0.02	57.7	6690	25.4	0.06	3.5	1.1	12.3	20	<.5	0.3	<.01	0.5	7.9	303	0.2	10.7	528
S0704494	L1150E 1075N		V07-0824S	1.5	0.93	37	250	0.6	0.08	0.5	3.2	33	40	2.67	7.4	50	0.06	13.8	0.12	135	18.1	0.02	29.2	1762	23.3	0.09	1.3	1.2	7.2	14	<.5	0.3	<.01	0.4	3.0	178	0.1	5.6	246
S0704495	L1150E 1100N		V07-0824S	0.4	1.18	41	113	1.3	0.31	0.7	2.4	31.8	52.7	2.24	6.4	53	0.04	12.7	0.16	113	20.1	0.02	34.9	3002	16.6	0.05	1.3	1.3	7.5	17	<.5	0.4	<.01	0.3	4.1	180	0.8	7.5	290
S0704496	L1200E 925N		V07-0824S	2.1	2.02	58	750	0.5	0.07	0.8	3.8	55.4	73	5.82	9.0	117	0.19	20.8	0.53	280	23.9	0.02	26.9	2180	31.2	0.22	5.2	4.7	17.6	19	<.5	1.6	0.03	1.1	3.7	226	0.4	23.7	194
S0704497	L1200E 950N		V07-0824S	2.6	1.04	37	445	0.5	0.06	0.2	1.8	47.5	46.5	4.86	8.6	156	0.07	13.8	0.25	86	19.6	0.02	18.1	2314	43.7	0.19	5.5	1.9	12.8	17	<.5	0.7	0.01	0.7	3.7	141	0.3	10.4	116
S0704498	L1200E 975N		V07-0824S	1.1	1.61	395	231	0.9	0.06	0.4	3.4	46.2	42	4.09	11.8	83	0.05	12.2	0.18	212	14.8	0.02	24.7	1639	63.4	0.11	4.4	1.5	6.5	9	<.5	0.6	0.01	0.4	3.8	208	0.2	5.1	177
S0704499	L1200E 1000N		V07-0824S	3.5	2.94	123	2420	0.6	0.23	3.3	24.4	126.9	180.9	9.33	14.2	348	0.43	21.6	1.26	1168	80.0	0.03	189	3948	51.8	0.43	13.4	5.2	32.1	110	0.5	3.9	0.06	2.2	10.5	207	0.4	12.6	1220
S0704500	L1200E 1025N		V07-0824S	0.5	0.96	41	208	0.6	0.24	0.5	3.1	45.9	59.7	3.76	7.8	71	0.06	12.2	0.18	115	31.8	0.02	49.7	2952	27.3	0.07	3.6	1.3	10.5	15	<.5	0.4	<.01	0.4	5.2	288	0.2	7.5	363
S0704501	L1200E 1050N		V07-0824S	0.4	1.02	15	140	0.4	0.08	0.3	2.5	25.8	29	2.10	6.4	44	0.03	8.7	0.13	72	10.7	0.02	18.3	2249	16.8	0.06	1.0	1.0	4.3	12	<.5	0.3	<.01	0.3	2.4	102	0.2	3.8	107
S0704502	L1200E 1075N		V07-0824S	0.2	0.93	15	94	0.4	0.06	0.3	2.3	20.8	29.8	1.86	7.2	30	0.04	10.1	0.14	63	12.8	0.02	20	1201	17.2	0.05	1.4	0.9	4.2	8	<.5	0.4	<.01	0.2	2.6	112	0.2	3.4	144
S0704503	L1200E 1100N		V07-0824S	1.1	1.54	47	208	0.6	0.37	1.7	5.7	42.5	175.7	2.73	5.9	103	0.05	15.7	0.23	205	26.5	0.02	143.1	3220	18.5	0.05	2.4	2.0	11.6	17	<.5	0.7	<.01	0.5	9.7	225	0.3	14	701
STD: MS-331		S	V07-0824S	<0.1	0.77	19	191	0.5	0.33	0.1	12.1	11.5	16.5	3.37	3.8	26	0.10	21.6	0.29	539	1.3	0.11	7	449	22.9	0.05	0.1	3.2	<.5	50.3	<.5	14.5	<.01	0.2	2.3	68	0.2	6	43

I=insufficient sample

Teck Cominco Ltd.
Global Discovery Labs 1486 East Pender Street Vancouver, B.C. Canada V5L 1V8 Phone: (604) 685-3032 Fax: (604) 844-2686

GDL Job No: V07-0824S

LAB NO	FIELD NUMBER	S_Type	A_Num	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm

If requested analyses are not shown, results are to follow

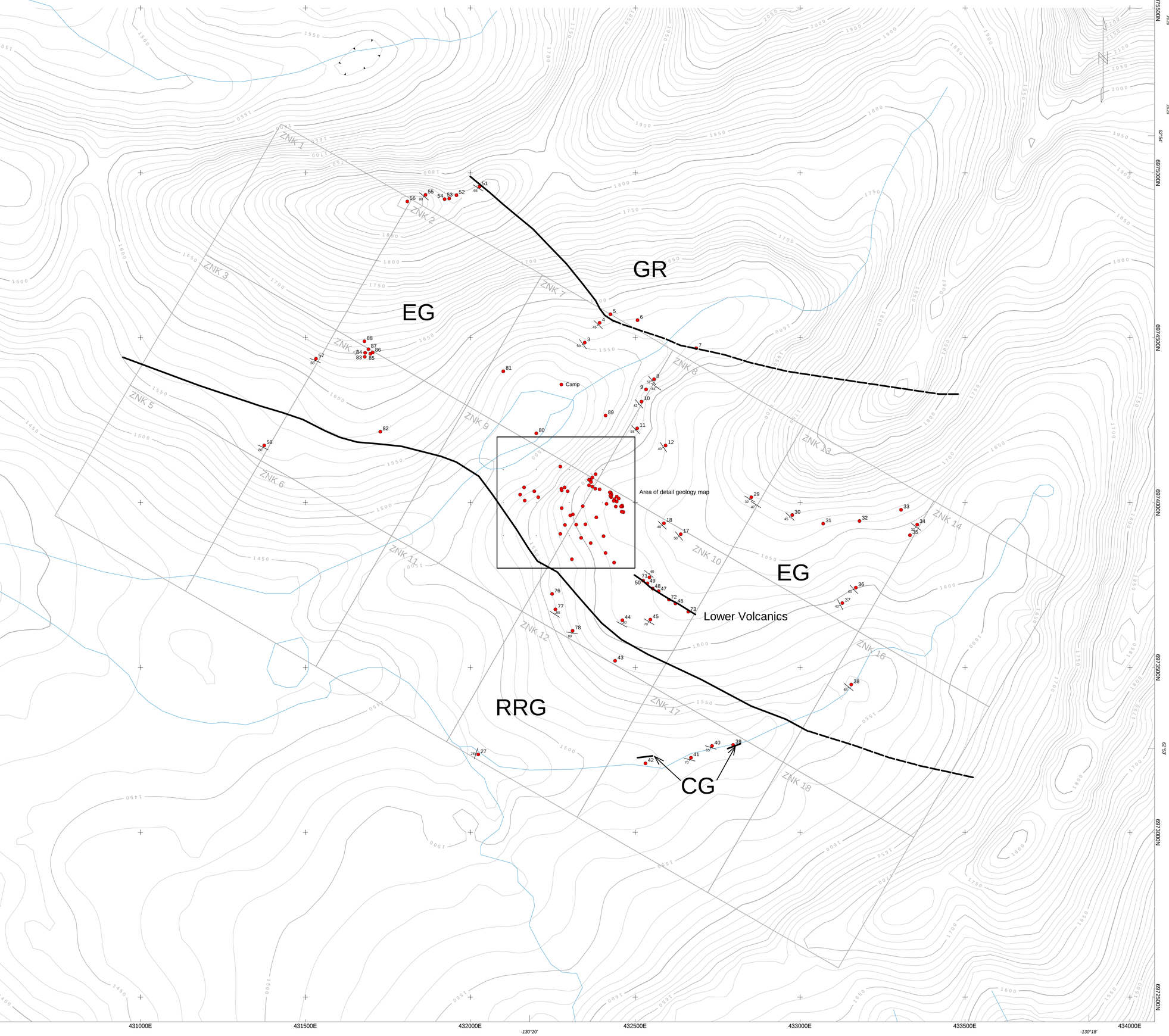
ANALYTICAL METHODS

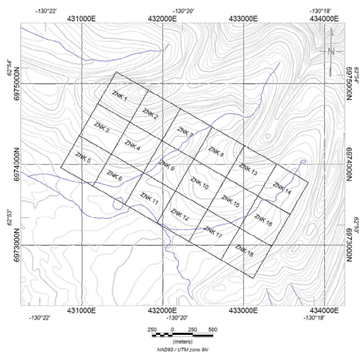
ICPMS PACKAGE : 0.5 gram sample digested in hot reverse aqua regia (soil,silt) or hot Aqua Regia(rocks).

Alice Kwan.

Alice Kwan, Chemist-Teck Cominco G.D.L.

Teck Cominco Ltd.
Global Discovery Labs 1486 East Pender Street Vancouver, B.C. Canada V5L 1V8 Phone: (604) 685-3032 Fax: (604) 844-2686





Legend

CG	Tertiary conglomerate
EG	Earn Group
GR	Granodiorite
RRG	Rouge River Group
— —	Contact, assumed
——	Contact, defined
●	Geology station
Dip	Bedding

Scale 1:5000

100 0 100 200 300
(meters)
NAD83 / UTM zone 9N

BOOTLEG EXPLORATION INC.

ZNK PROPERTY
Figure 4. Geology Base Map

NTS: 105 J/16
Datum: NAD83
Job: Pending

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 26 Nov 07

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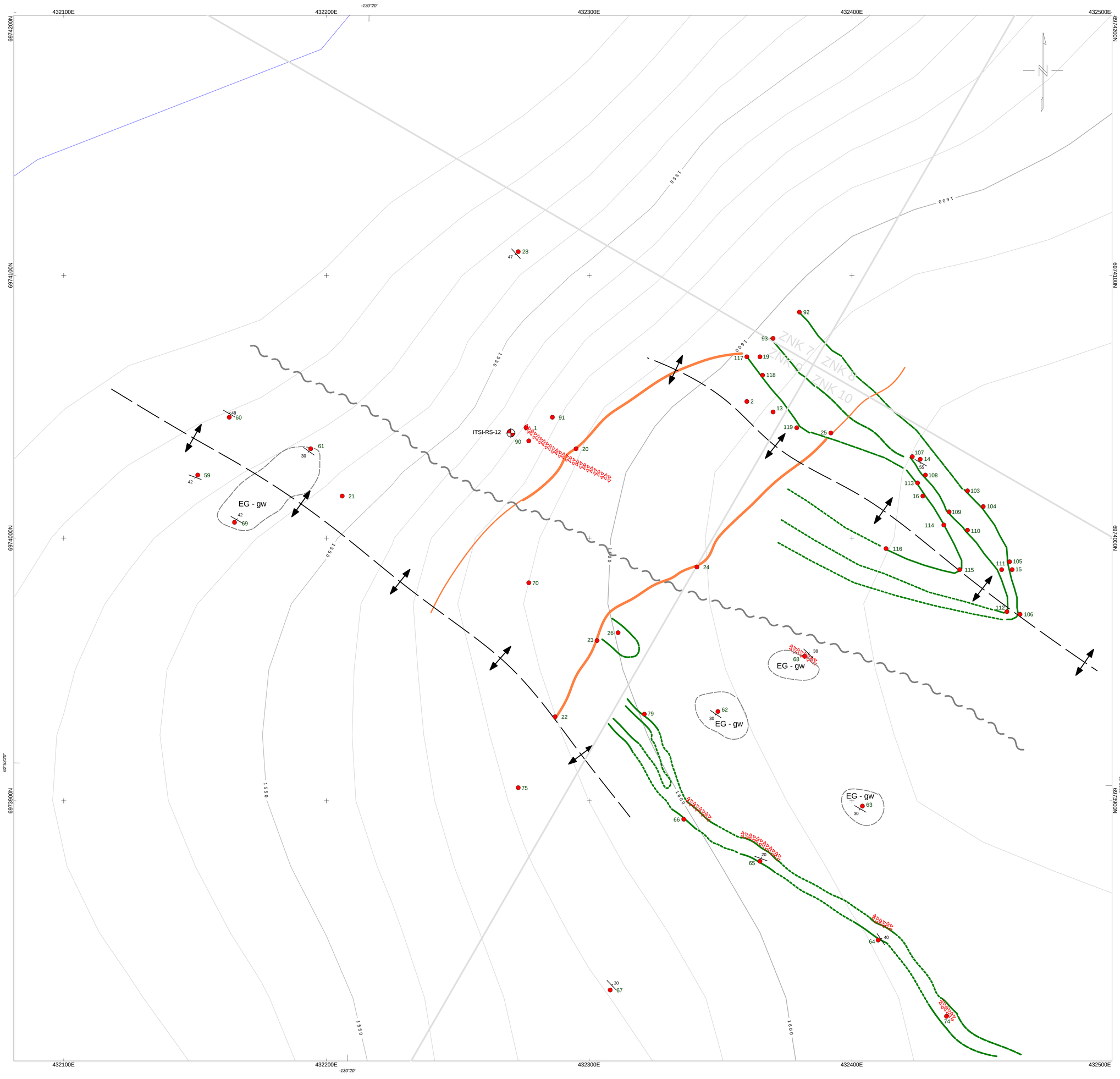

LEGEND

- Dyke
- Exhalite
- Volcanic flow
- Greywacke (outcrop area)
- Geology Station
- Dip — Bedding

Scale 1:600

10 0 10 20 30 40
meters
NAD83 / UTM zone 9N

BOOTLEG EXPLORATION INC.

ZNK PROPERTY
Figure 5. Detail Geology Near Showing

NTS: 105 J/16 — Mining District: Watson Lake
Datum: NAD83 — Projection: UTM Zone 9N
Job: BEI-7546-YT — Date: 26 Nov 07

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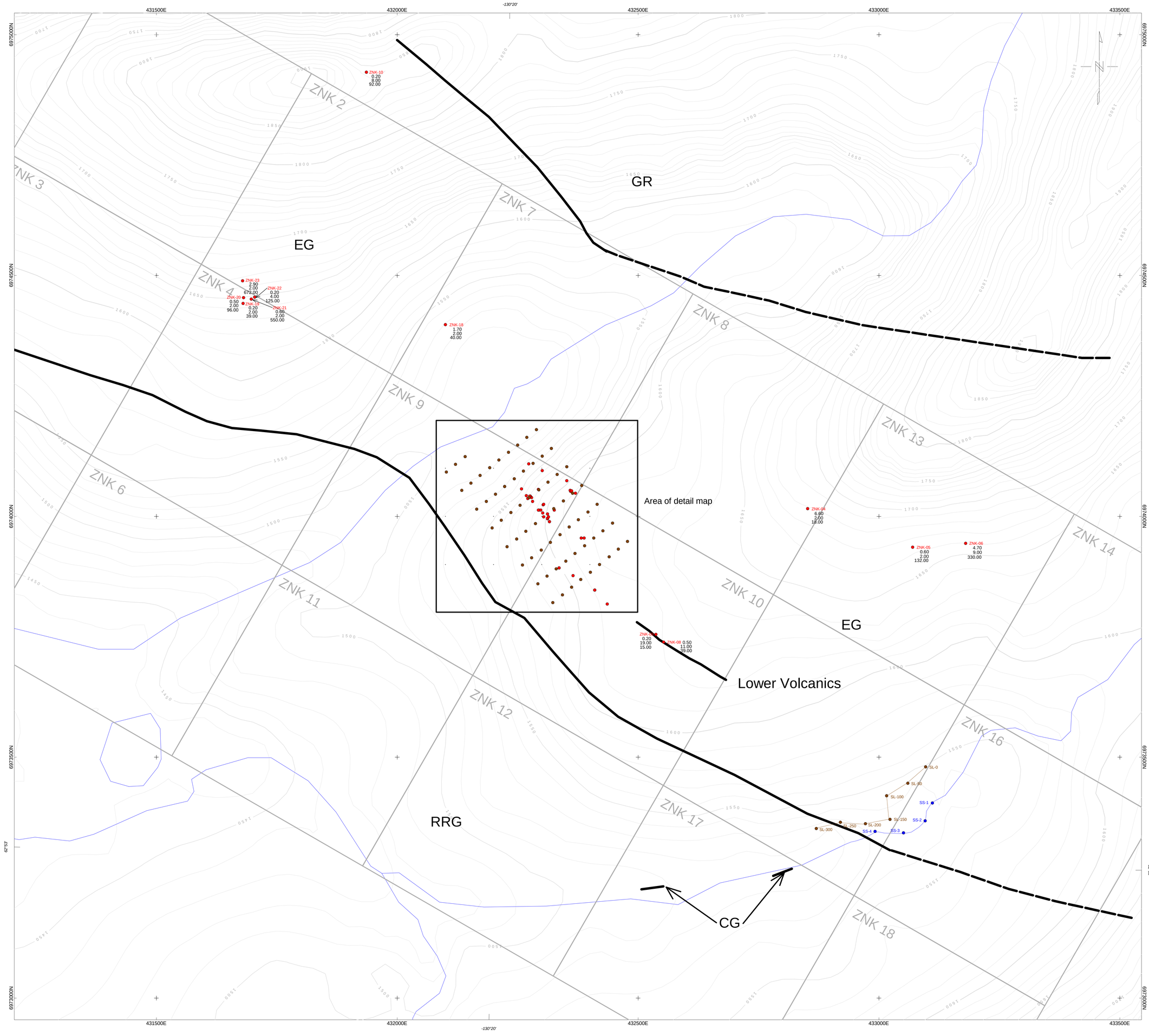
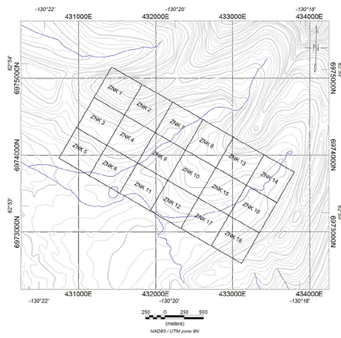




Legend

CG	Tertiary conglomerate
EG	Earn Group
GR	Granodiorite
RRG	Rouge River Group
	Contact, assumed
	Contact, defined
Sample # Ag ppm Pb ppm Zn ppm	Rock sample
Sample #	Stream sample
Sample #	Soil sample

See detail map for samples near showing

Scale 1:3000

50 0 50 100 150 200

metres

NAD83 / UTM zone 9N

BOOTLEG EXPLORATION INC.

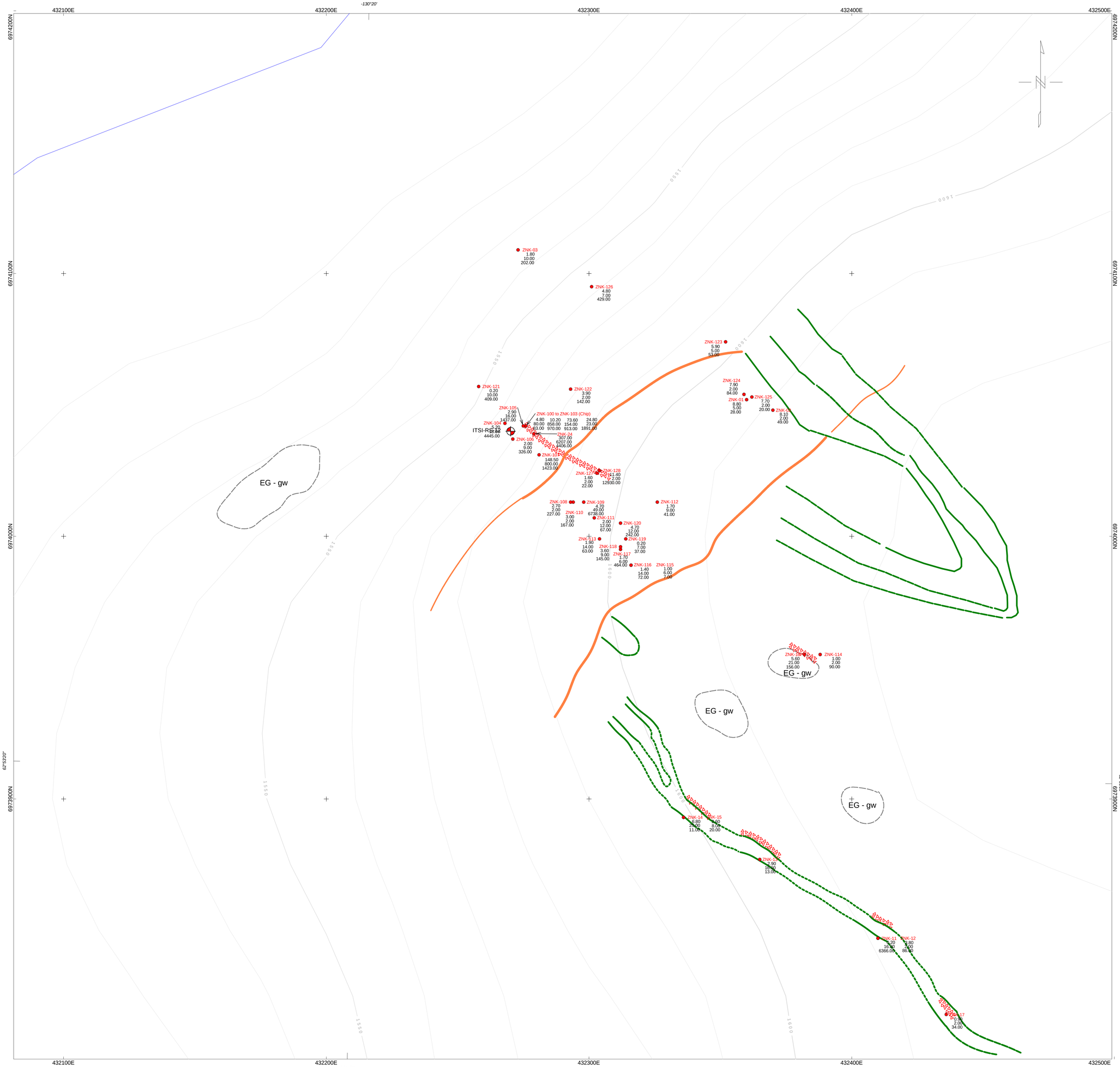
ZNK PROPERTY

Figure 11. Rock & Recce Sample Location Map

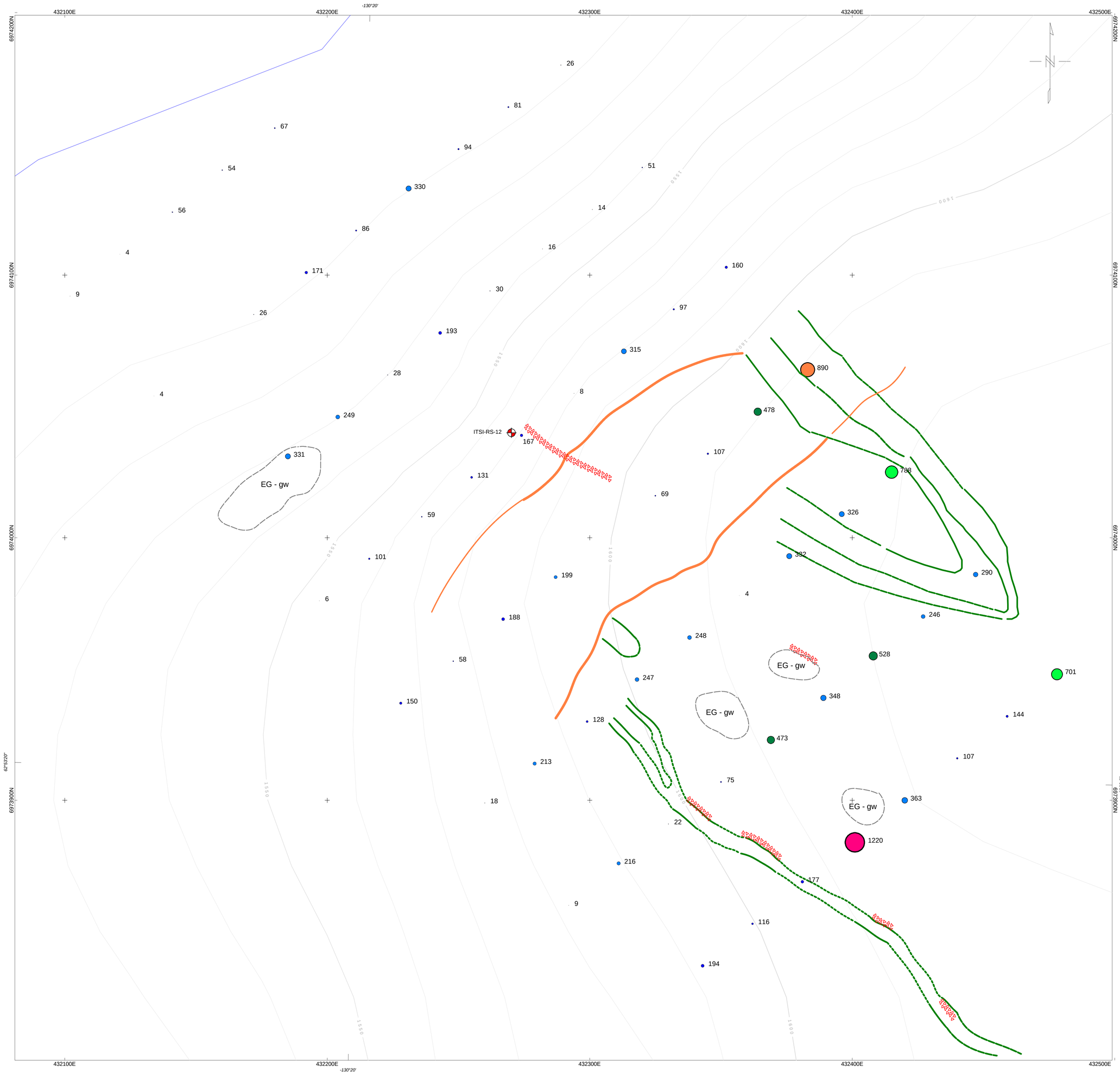
NTS: 105 J/16
Datum: NAD83
Job: BEI-7546-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 28 Nov 07

AURORA GEOSCIENCES LTD.



BOOTLEG EXPLORATION INC.	
ZNK PROPERTY **Figure 12. Detail Area Rock Sample Location Map**	
NTS: 105 J/16 Datum: NAD83 Job: BEI-7546-YT	Mining District: Watson Lake Projection: UTM Zone 9N Date: 28 Nov 07
AURORA GEOSCIENCES LTD.	



Zinc (ppm)

	>	1340	
1111	-	1340	
883	-	1111	
654	-	883	
426	-	654	
197	-	426	
5	-	197	
	<	5	

LEGEND

- Dyke
- Exhalite
- Volcanic flow
- EG - gw — Greywacke (outcrop area)

Scale 1:600

10 0 10 20 30 40
metres
NAD83 / UTM zone 9N

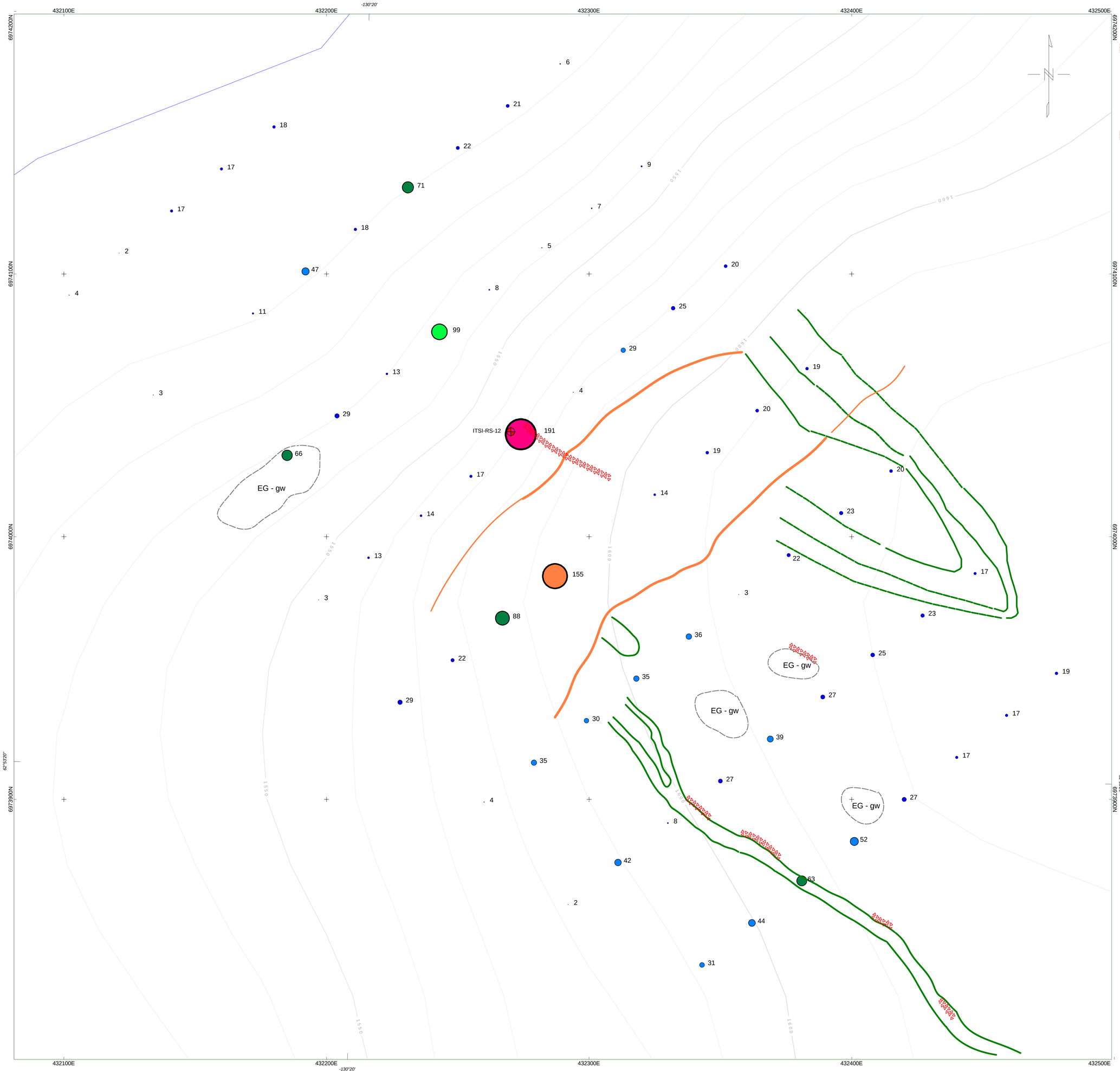
BOOTLEG EXPLORATION INC.

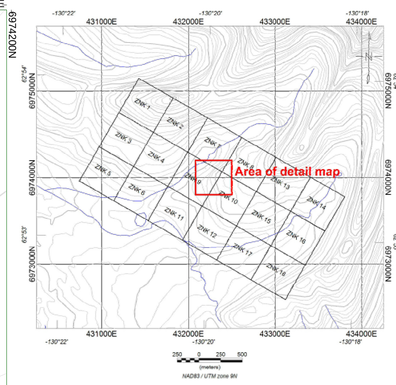
ZNK PROPERTY
Figure 15. Zinc Soil Geochemical Response

NTS: 105 J/16
Datum: NAD 83
Job: BEI-7546-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 28 Nov 07

AURORA GEOSCIENCES LTD.





Lead (ppm)

	>	193	
160	-	193	
128	-	160	
95	-	128	
62	-	95	
29	-	62	
5	-	29	
	<	5	

LEGEND

- Dyke
- Exhalite
- Volcanic flow
- EG - gw — Greywacke (outcrop area)

Scale 1:600

10 0 10 20 30 40

metres

NAD83 / UTM zone 9N

BOOTLEG EXPLORATION INC.

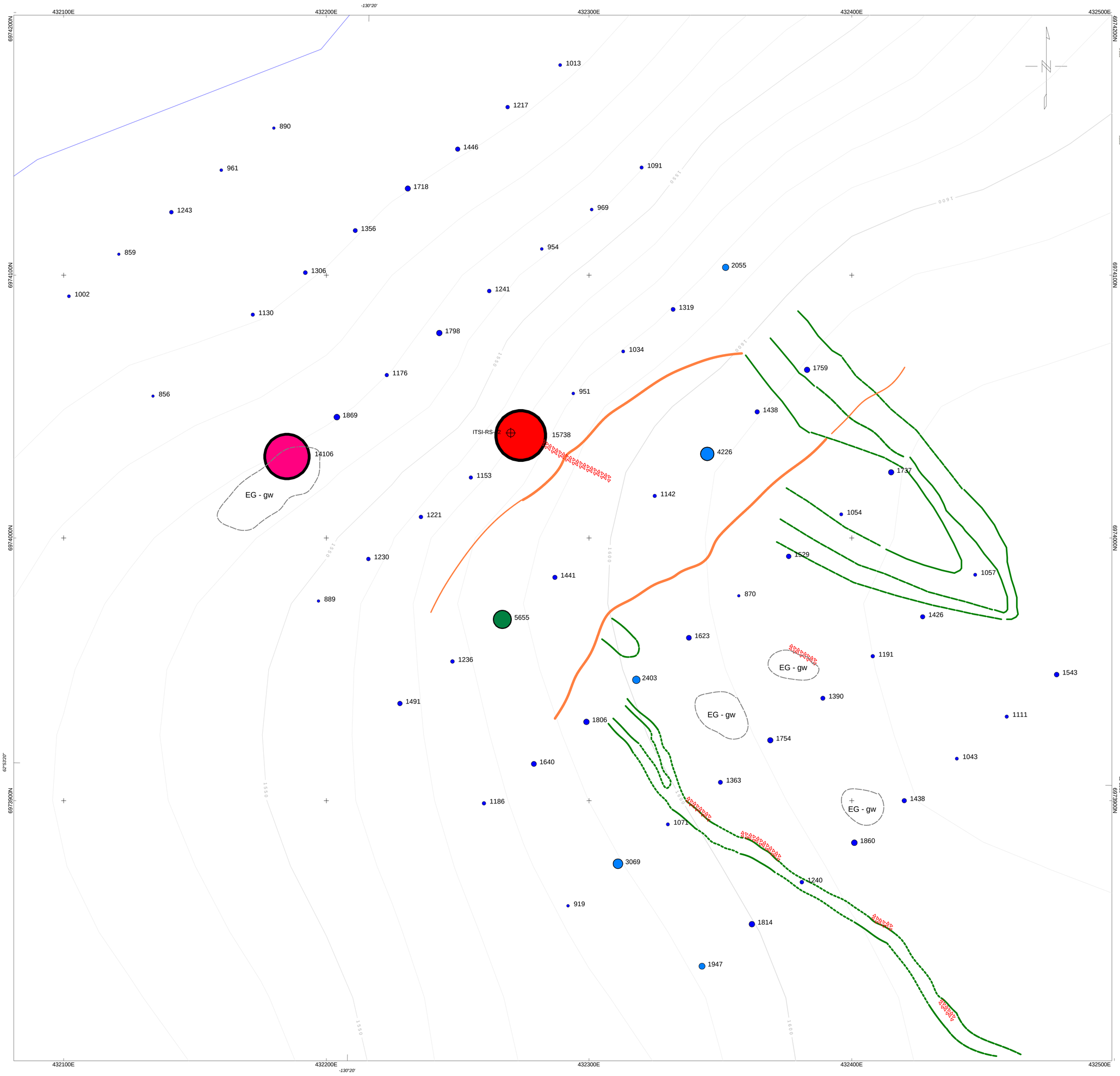
ZNK PROPERTY

Figure 16. Lead Soil Ggeochemical Response

NTS: 105 J/16
Datum: NAD 83
Job: BEI-7546-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 28 Nov 07

AURORA GEOSCIENCES LTD.



Barium (ppm)

	>		14300
11820	-		14300
9335	-		11820
6855	-		9335
4375	-		6855
1894	-		4375
5	-		1894
	<		5

LEGEND

- Dyke
- Exhalite
- Volcanic flow
- EG - gw — Greywacke (outcrop area)

Scale 1:600

10 0 10 20 30 40
metres
NAD83 / UTM zone 9N

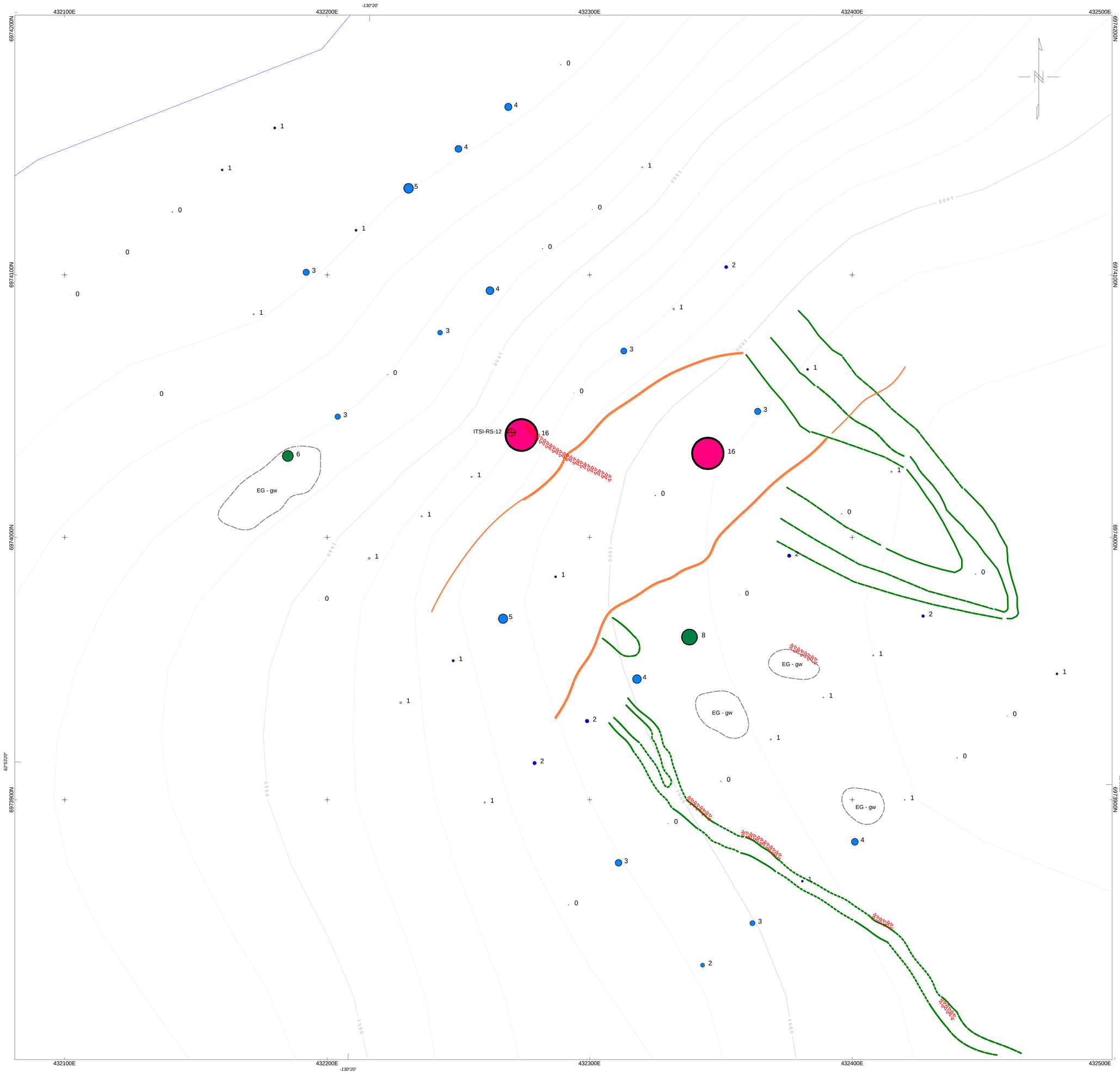
BOOTLEG EXPLORATION INC.

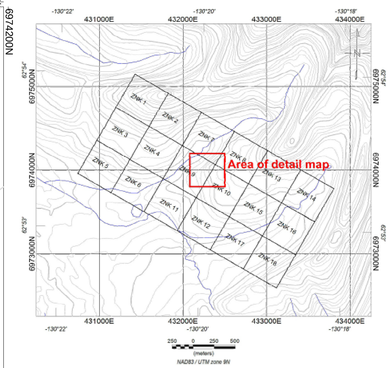
ZNK PROPERTY
Figure 17. Barium Soil Geochemical Response

NTS: 105 J/16
Datum: NAD83
Job: BEI-7546-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 28 Nov 07

AURORA GEOSCIENCES LTD.





Silver (ppm)

	>	17	
14	-	17	
11	-	14	
8	-	11	
5	-	8	
2	-	5	
1	-	2	
	<	1	

LEGEND

- Dyke
- Exhalite
- Volcanic flow
- EG - gw — Greywacke (outcrop area)

Scale 1:600

10 0 10 20 30 40

metres

NAD83 / UTM zone 9N

BOOTLEG EXPLORATION INC.

ZNK PROPERTY
Figure 18. Silver Soil Geochemical Response

NTS: 105J/16
Datum: NAD83
Job: BEI-7546-YT

Mining District: Watson Lake
Projection: UTM Zone 9N
Date: 28 Nov 07

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