Assessment Report

Structural Geology/Soil Sampling/Magnetic Survey

on the CHAM & MEL Mineral Claim Blocks

of the Kelly Property

for Meltan Mining Ltd.

Nelson Mining Division

NTS 82F/4W and 82F/3E

Latitude 49° 05′ N   Longitude 117° 31′ W

Zone 11 (NAD 83): UTM Coordinates 5442000 N   11467000 W

The "Cham & Mel" mineral claims are owned by Melvin DeBriske
Report Prepared and Submitted by Melvin DeBriske, P. Geo.
January 10, 2007

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RESEARCH

1. Introduction

Not long after installing a large picture window at the front of my house, the panorama view allowed me to observe a distinct volcanic appearance to the third mountain range east of Trail, BC. Curiosity prompted me to triangulate the position as Mt. Kelly, formerly Beaver Mountain situated immediately east of the village of Fruitvale, BC. I next inquired of a lapidary friend if I could look at his satellite mosaic spanning 40 km of southern BC. On doing so I was surprised to see a distinct oval shaped volcanic core sitting at the center of Mt. Kelly. I immediately commenced staking ground. Staking turned out to be a three month long process as I digested GSBC and GSC (Geological Services of BC & Canada) geological information, assessment reports, geological papers on ore depositional models, magmatic melts, mechanics of transport and practical methodology to be used for the discovery of a bonanza gold deposit.

Earlier work by J.F Walker, V. J Okulitch W. H. Mathews, R. Mulligan and H.W. Little was greatly expanded upon by an annual mapping pilgrimage during which Trygve Höy and Cathryn (Dunne) Andrew haphazardly mapped the Elise Volcanics eastwards at 1:20,000 scale during the late 1980's and early 1990's. Those mappings and descriptions included Mt. Kelly and most of the Elise Volcanics between Rossland to the west and Ymir to the east. Mt. Kelly is situated near the center of that mapping. That mapping determined Mt. Kelly was part of a stratovolcano of the same age as the Rossland volcanics that adjoin to the west. Trygve Höy postulated that a number of vocanic centers populated the region, but none other than Mt. Kelly have been located or proven to exist.

Mt. Kelly is by no means a small volcano, its core measures almost 2 km by 3 km and the cone is equally impressive with two lookouts on the top of its rim. It is easily the dominant structure in the area. It has close parallels with Mount St. Helens which exploded in nearby Washington State in 1981. In fact they are a near exact replica of each other in outline with the only change being a collapsed south wall at Mt. Kelly and a collapsed north wall at Mount St. Helens.

2 Treatise on the Plunge of the Volcanic Core

H. W. Little appears to be the first to recognize a syncline at the core of the volcano. Later mapping by Höy and Dunne shifted this structure to the north wall which makes good sense if one allows that it represents the curvature of the cone beneath a recumberant core. If one allows that the syncline indeed follows down the volcanic core it must also indicate the plunge angle and direction of the core. In like manner, surface orientation and measurements of the volcanoes elliptical shaped core support a strike and plunge angle to the south-southwest. A third piece of evidence in support of a southerly plunging core is indicated by overturned bedding found in a surviving remnant of collapsed south rim. It indicates the southern part of the cone is wrapped over a reclining, or southward plunging core in the form of an anticline as would be expected.

Mathematical calculations to determine **plunge angle**:
Volcanic core topographic measure: Inverse Sine (2 km ÷ 3 km) - 10° slope = 33°.
Major and minor axes of the ellipse in Satellite photos give an angle of 43° - 10° = 33°.
The Inverse Sine of the (minor ÷ major axis) in Air photos yields 43° - 10° slope = 33°
On 20,000 scale map 1990-8, the elongated cone unit lJe1 measures 3.7 km by 7 km.
The plunge from the lJel layer is Inv. Sine (3.7 km ÷ 7 km) - 2° slope correction = 30 °
The foregoing calculated values are in close agreement with the bedding angles of the north cone (Open File 1990-8), which near the syncline axis range from 22° to 28°.
While not definitive, folds often plunge along, i.e. are conformable with bedding.

Visual confirmation of the geology and structure as shown on 1:20,000 scale mapping by the GSBC was carried out in numerous localities. No attempt was made to add to the previous mapping by Trygve Höy and Cathryn (Dunne) Andrew on Open File maps 1990-8 and 1990-9. Of special concern in that exercise was the confirmation that the geological strike of the volcanic piles bedding follows parallel to the hypothesized plunge of the volcanic core 4 km south of the volcanic cone. A cross section of geological bedding wrapping the core would be expected to parallel the core and exhibit rapid lateral changes as one progressed outward on either side of the plunging core. In fact lateral changes were found to occur much more rapidly than GSBC surface mapping by Höy and Andrew indicates. GSBC mapping also shows a fault striking south-southwest along this same 4 km distance. The fault follows along the southeast edge of the plunging core.

In further support of a south-southwest plunging core H.W. Little of the G.S.C. was mystified at the great thickness of volcanics under the adjoining Blizzard Mountain. Blizzard Mountain lies on strike with the plunging core and abuts the south-southwest flank of Mt. Kelly. The great thickness of volcanic pile can be accounted for if one considers it to represent a lower part of the volcanic build up of Mt. Kelly. The Blizzard Mountain fault block is thought to have rotated to a similar 30° angle of repose as Mt. Kelly during Eocene crustal extension and so exposes the thick volcanic pile in profile.

H.W. Little also mapped a swarm of tertiary volcanic necks from which flowed the Marron Lavas on Blizzard Mountain (Little 1982). Those vents swarm atop and about the projected plunge of the 200 million year old Jurassic Age volcanic core and likely represent reactivation along the original Jurassic vent. A bottomless slough on the Boilard (formerly Folvic) ranch on the northeast side of Blizzard Mountain and close to the speculated axis of the plunging core may be a dormant volcanic fumarole. Where the plunging core is projected to intercept the Columbia River and be lost to major faulting, the river is briefly displaced southward. The River immediately recovers downstream to enter a very deep pool of water much favored by the local fishermen. This feature is indicative of an obdurate obstruction, such as a more finely crystalline volcanic, or core material causing a damming effect to fast flowing waters as well as, a minor fault movement that could be associated with the plunging core. Such a fault would likely be an extension of the same fault mapped outward for the first 4 km from the Mt. Kelly volcano by Höy and Andrew. This segment of the Columbia River valley and Blizzard Mountain was not mapped detail by the GSBC. However if one looks back along the plunge line while standing on the river bank it is easy to see this structure forms a topographical lineament to the north-northeast which should follow the strike of the projected plunge back to the Mt. Kelly volcano.

3 Geological Relationship with the Rossland Mines

To the east at nearby Rossland, BC are the Rossland Mines. They were very rich bonanza grade gold-copper mines responsible for the formation of the Cominco Smelter at Trail, BC as well as, the formation of the Toronto Stock Exchange. Likewise to the north of Mt. Kelly and in shallow sediments, as little as 30 meters above the Elise volcanics are two other high grade gold mines, the Arlington and the Keystone. At the time of its formation Mt. Kelly was probably 10 km east of Rossland and less than 8 km south of the Arlington and Keystone Mines. The volcano appeared in early Jurassic Time in a very broken part of the earths crust; at the end point of a number of south directed faults that make up the extensive Slocan Fault System where it terminates against the short east-west Trail Creek fault and the Pend d'Orielle River thrust fault. Subsequent fault movement has shifted and rotated the volcano to lie in a recumbent manner where is situated today, a further 25 km east of the Rossland Mines.

If Mt. Kelly is responsible for the volcanics found at Rossland, BC and Keystone Mountain, Then it is probable that volcanic core of Mt. Kelly would act as the primary conduit for the transport of ore forming minerals. If that is true then it would be logical that other mines of equal or even greater bonanza gold grade potential would be located nearer the core of the volcano. It is felt that the land surface above the recumbent core offers 15 km of prime surface exploration potential in which to conduct a search for similar and possibly much larger gold deposits. The multitude of tertiary vents mapped by H. W. Little that swarm the core on Blizzard Mountain are Tertiary in Age. The Comstock type bonanza gold deposits found in Nevada are also Tertiary in Age. Thus the vents of Marron Lava offer an exciting and exceptional opportunity for locating a similar deposit in Canada. If such a deposit were to exist and be comparable in size to the Comstock, it would be largest and richest gold deposit in the Canadian Cordilleron.

4 Exploration Model and Methodology

The model presently being pursued is a low sulfidation epithermal deposit as described in, "A Canadian Cordilleran Model for Epithermal Gold-Silver deposits" (Panteleyev, 1986). The transport mechanism for metals is expected to be supercritical magmatic fluids typically dominated by water and other low density molecules or volatiles such as Cl, other Halides H_2S, SO_2, CO_2, CH_4, N-compounds and B. This type of system gives elevated values in Au, Ag, Zn, Pb, Cu and As, Sb, Ba, F, Mn; locally Te, Se, and Hg. Rock or geochemical analysis and interpretation should be cognizant of this fact. Microthermometry of fluid inclusions; which includes (H_2O-NaCl, Pure CH_4, or mixed CH_4-H_2O), offers a practical means to determine the opportune depth to drill for the 220° C - 280° C "boiling zone" of original gold deposition. Satellite imagery is another useful tool to complement the more traditional ground geochemistry and geophysics. (Much of the foregoing is derived from numerous papers downloaded from the Internet).

I INTRODUCTION

1. Location and Access

The Kelly Property consists of 1, 280 contiguous mineral tenures contained in 41 "MEL", claim blocks and 17 "CHAM", claim blocks. The property is immediately East of the Trail Creek Mining Division and lies totally within the Nelson Mining Division. Topographically it is located between the confluence of the Pend-d'Oreille River and the Colombia River. The two rivers merge at the USA - Canada border port of Waneta, BC.

The property is bisected by the Beaver Creek Valley. It is a well populated corridor that contains the villages of Montrose and Fruitvale. Outside this corridor the area covered by the mining property is sparsely populated.

Access to the property is provided by highway 3B to Trail B.C. thence south to Spokane Washington. Highway 3B joins with the southern TransCanada highway along the northern boundary of the property. Numerous well-maintained logging roads follow major drainages and valleys to give easy access to most parts of the property.

2. Topography and Physiography

The property covers the southern extent of the Bonnington Range and most of the Salmo Forest area in the Selkirk Mountains. Drainage from the mountain ridges flows to the Pend-d'Oreille River (elev. 500 m), Beaver Creek (elev. 600 m), or Bear Creek (elev. 700 m). Topography for the most part is moderate with the mountain slopes extensively covered by coniferous forest. Above 1600 meters the volcanic cone on Mount Kelly can exhibit stepped cliffs with thick alder or willow growth in open patches of forest.

3. Previous Work

Throughout the "CHAM" (Renamed MN 43 – MN 58), claim blocks are many small prospects worked on in the early 1900's. One such prospect is a 6 m deep shaft situated 2 ½kilometers north of the Waneta Mall and the Columbia River Valley, (GPS 11454952 E, 5438759 N). One kilometer north of the Canadian Tire Store is a water filled tunnel, (GPS 11454676 E, 5437838 N, NAD 84). Bernard McMahon of Montrose, B. C. at one time had an interest in same. The tunnel was reputed to have produced some good values, (presumably gold), but was cut off by a fault. I believe there may be a second tunnel 1 km to 1 ½ km northeast of the one recorded here. In 1987 Orequest Consultants carried out a program of prospecting, silt, and soil sampling north of the Waneta Mall on Highway 3B unto Champion Lakes. This work was followed up the following year by Noranda Exploration Company (Assessment Report 18,872). In that report Noranda personnel undertook a wide-ranging program of prospecting, geological mapping and a patchwork of soil sampling surveys. North of Fruitvale, BC on a smaller grid called the, "Canada Day Red" showing, Noranda personnel also collected roughly 20 linear kilometers for each of magnetics and IP data.

Figure 1. Location map as a portion of the Trail, BC map sheet 82F/SW

We now shift our attention southward to the area of the "MEL" and recently staked "TAN" claim blocks situated between Beaver Creek and the Pend-d'Oreille River (Figure 2). On the ridge between the headwaters of Archibald and Tillicum Creeks, Lou Stark and his predecessors did work on some very narrow gold veins (Figures 1, 5). Allen Maitland, Ed and Otto Lindstrom and predecessors spent decade's placer mining for gold along the lower reaches of Tillicum Creek. Tillicum Creek was originally called Fifteen Mile Creek, as it crossed the Dewdney Trail about 15 miles east of Fort Shepherd and the Columbia River ford. The Lindstrom's advanced their working sufficiently far enough upstream on Tillicum Creek to convince me that the Pend-d'Oreille River drainage was not the source for this gold. On the north side of the Columbia River there are other hardrock workings along the Burlington Northern Railroad, e.g. opposite Fort Shepherd and also after the rail line turns northeast to enter the Beaver Creek Valley. Another tunnel is also reputed to exist opposite Fort Shepherd and well above the paved highway to the Seven Mile Dam on Pend-d'Oreille River. There are also reputed to be two addits on Blizzard Mountain. H. W. Little on the 1965, "Salmo" Geological Map 11451A places an addit symbol within a an elliptical section of volcanic core that now lies five km southeast from it's volcanic source on Mount Kelly.

The first assessment report for the Mt. Kelly area begins with report number 5,028. It was recorded under my father's name for the Bluestar-Ironside group of five claims. That claim group is restricted to the Carboniferous, but it is near the contact with the Elise volcanics. There exist many other small prospect pits throughout the Carboniferous Formation along the north side of the Pend-d'Oreille River.

A brief flurry of activity in the Elise volcanics surrounding Mount Kelly resulted from the publishing of Paper 79-26 by H. W. Little in 1982. The following selection of assessment reports describes those activities:

Circa 1985	Billiton,	Assessment Report	13,047
	Falconbridge	Assessment Report	14,083
	Noranda	Assessment Report	14,372
	Noranda	Assessment Report	14,374

Each of the above major mining companies established small grids either on the core, the upper cone or the lower cone of Mt. Kelly. All have conducted but one or two seasons work. All did grid mapping of the geology or soil or rock sampling. Billiton also did some bulldozer trenching. Noranda conducted on-the-ground magnetic surveys. Each of the foregoing companies found enhanced zinc values.

1989 & 1990	Corona Corporation	Assessment Report	18,990 & 20,193

The first report contains 1:20,000 scale maps of airborne geophysics that offer full coverage of the property and beyond. Those maps complement 1:20,000 scale geological mapping of the same area by the GSBC, (Open File 1990-8 & Open File 1990-9). Also contained in the first Corona report is a wide-ranging silt sampling program of the tributary creeks between Beaver Creek and the Pend-d'Oreille River.

In the second report the stream sediment sampling of the previous year was followed up by soil sampling near the highest gold values. The main emphasis in Corona's second assessment report was to establish a soils grid. The grid was placed just outside the eastern boundary of the Kelly Property. The soils grid was emplaced to test the southern extension of the Katie porphyry gold-copper deposit which is on the eastern apron – basin of Mt. Kelly

1991 Noranda Assessment Report 21,704

This is but one report amongst many on the Katie porphyry copper deposit that lies 7 km East of Mt. Kelly. The Katie assessment reports comment on extensive programs of ground geophysics, soil sampling and diamond drilling of the Elise mafic to intermediate volcanic rocks, that have in turn been intruded by numerous subvolcanic gabbro to monzanitic dikes and sills. The Katie property is presently held by Doublestar Resources Ltd.

4. Owner - Operator

All of the 1,280 mineral claims, (cells) comprising the Kelly Property are contained in 41 "MEL" and 17 "CHAM" claim blocks, (tenures). All of those cells and tenures are contiguous and are owned by Melvin DeBriske, P.Geo. of 625 Dickens St, Trai,l BC V1R 2B5. Melvin DeBriske has personally conducted all geochemical sampling for 2006. Mr. DeBriske and Theodore Nelson obtained the ground magnetometer readings as gamma, (nanotesla) values.. Other than cursory regional prospecting on the CHAM grouping; all of the assessment work for 2006 was conducted on ground contained within the following list of tenures being applied for retention via this assessment report.

Tenure #	Claim Name	No. of Cells	Good to Date
521926	MEL1	21	2007/nov/17
521927	MEL2	21	2007/nov/17
521928	MEL3	18	2007/nov/17
522357	MEL4	21	2007/nov/17
522358	MEL5	25	2007/nov/17
522359	MEL6	22	2007/nov/17
522360	MEL7	5	2007/nov/17
522386	MEL8	22	2007/nov/18
522387	MEL9	19	2007/nov/18
522398	MEL9	11	2007/nov/18
522849	MEL10	20	2007/nov/28
523278	MEL 11	25	2007/Dec/01
523282	MEL 12	25	2007/Dec/01

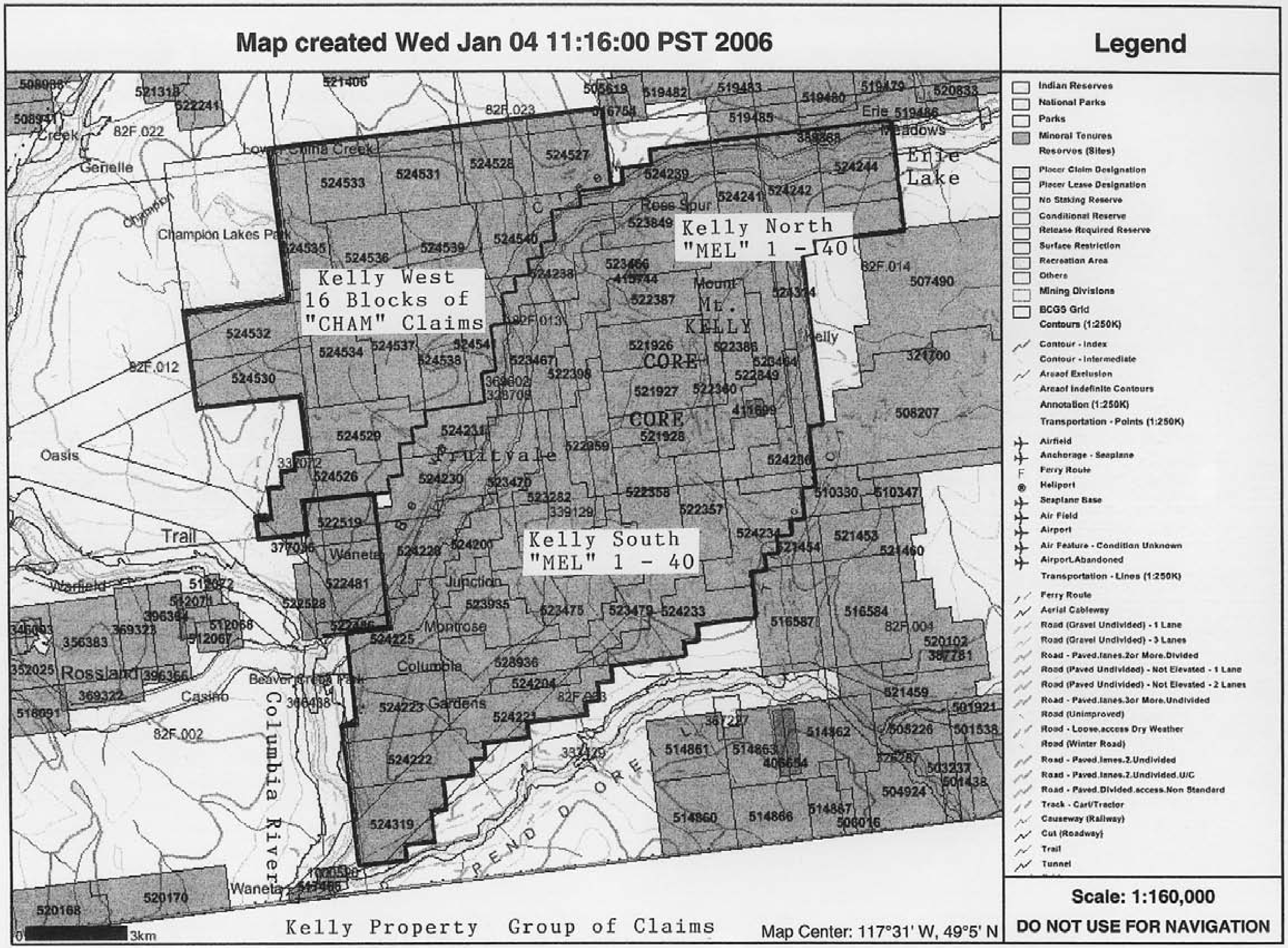


Figure 2. Location and boundaries of MEL & CHAM mineral claim blocks

523464	MEL 13	25	2007/Dec/05
523466	MEL 14	24	2007/Dec/05
523467	MEL 15	25	2007/Dec/05
523470	MEL 16	25	2007/Dec/05
523475	MEL 17	25	2007/Dec/05
523479	MEL 18	20	2007/Dec/05
523849	MEL 19	16	2007/Dec/13
523935	MEL 20	25	2007/Dec/15
523936	MEL 21	25	2007/Dec/15
524204	MEL 23	6	2007/Dec/21
524233	MEL 31	11	2007/Dec/22
524234	MEL 32	25	2007/Dec/22
524236	MEL 33	20	2007/Dec/22
534239	MEL 35	11	2007/Dec/22
524241	MEL 36	25	2007/Dec/22
524242	MEL 37	25	2007/Dec/22
524244	MEL 38	25	2007/Dec/22

5. Economic Potential

The Rossland Group contains a variety of typical deposits common to volcanic arcs these include alkalic porphyry copper-gold deposits, copper, gold and polymetallic veins, gold and copper skarns. The gold-copper veins of the Rossland Camp and silver-lead-zinc veins of the Nelson and Ymir camps have been major past produces of precious and base metals. Gold-silver-lead-zinc veins in the Hall Formation syncline east of Erie Creek were historically high grade gold producers. The possibility of finding a volcanogenic massive sulfide deposit on Mt. Kelly has support, as witnessed by expressions of a VMS deposit in the Elise volcanics south of Nelson at the Silver 1, and Silver Hawk deposits; as well the Hungryman and Silver Lynx properties in the underlying Ymir Group. Molybdenite within the Kelly Property can be found as disseminations in the granite intrusion near the mouth of Archibald Creek. Molybdenite was also produced from a series of small open pits on Red Mountain at Rossland.

The "MEL" claim grouping encloses the Mt. Kelly Volcano of early Jurassic Age. The claim grouping also covers a multitude of Tertiary intrusions on Blizzard Mountain which H. W. Little of the GSC described as, "volcanic necks that were feeders to the Marron Flows" (Little, 1982). The zinc soils anomaly in the northeast quadrant of Mt. Kelly and magnetic centers situated high up on the outer northern flank of the cone offer the possibility for finding volcanogenic massive sulfide deposits. The core of Mt. Kelly is believed to plunge to the southwest at an angle of 30°. Epithermal mineral deposits could be explored for along the surface trajectory of the plunging volcanic core. Seven km southwest of Mt. Kelly the plunging core would pass under Nine Mile Creek and may be buried deep under the rising terrain forming Blizzard Mountain. Other discrete magnetics centers along the plunge line of Mt. Kelly through Blizzard Mountain offer the prospect for finding mineralized breccia pipes, massive sulfide deposits and vein deposits.

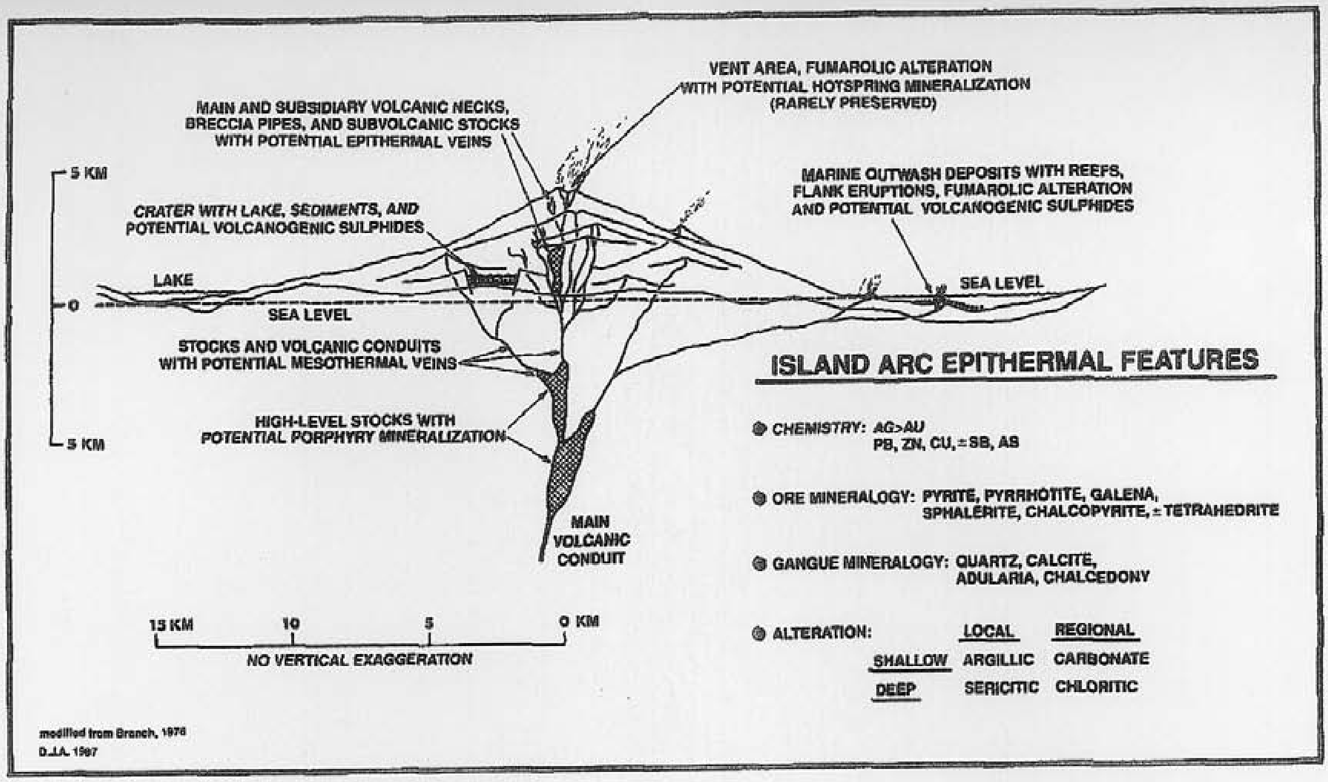


Figure 1-27-6. Distribution of ore deposits within a stratovolcano (modified from Branch, 1976).

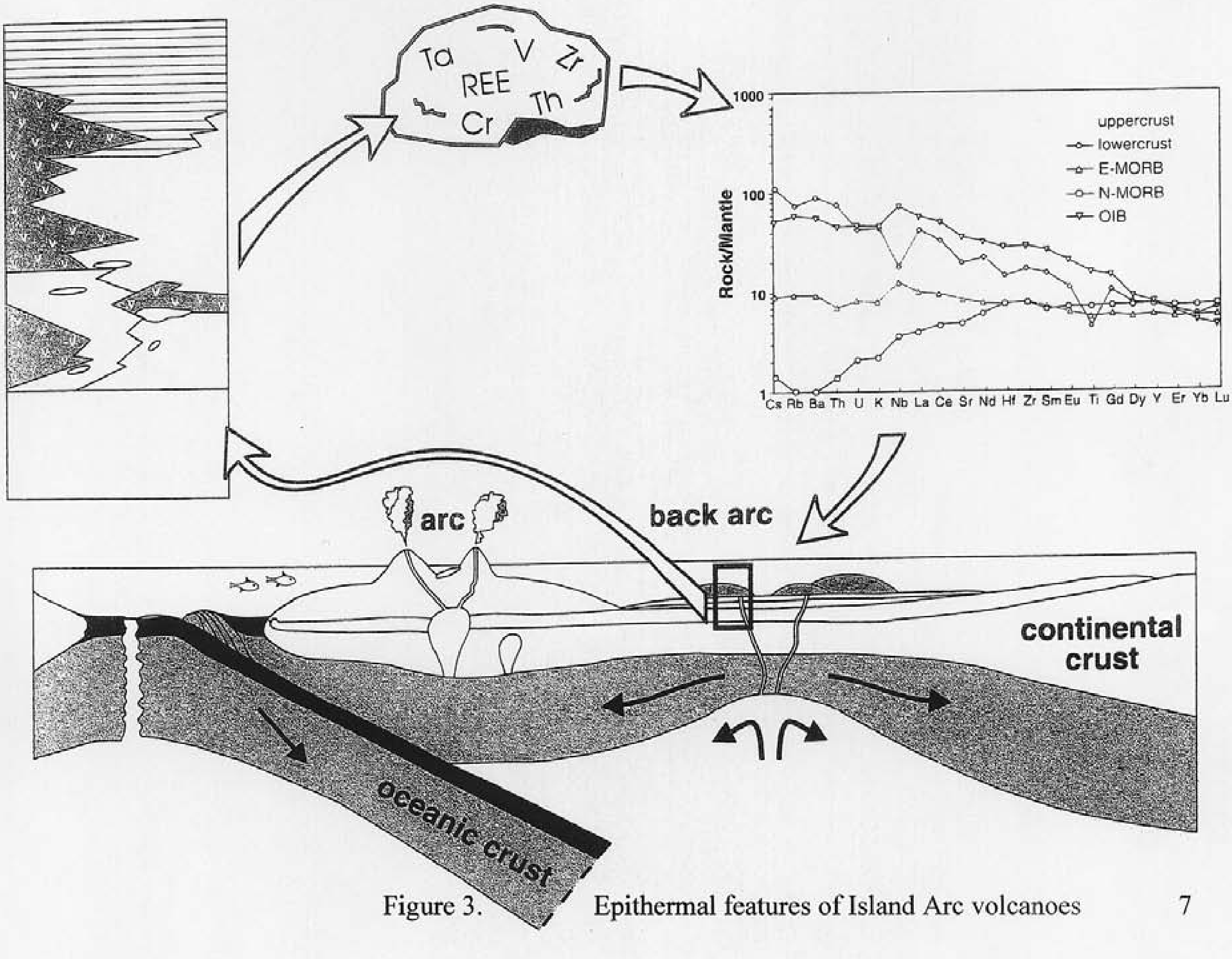


Figure 3. Epithermal features of Island Arc volcanoes

The "CHAM" claim grouping covers Elise Volcanics in contact with the Trail Pluton and Bonnington Pluton. As such it offers the potential for finding gold skarn mineralization. This claim grouping covers ground that could be on strike of the fabled "Rossland Break" a structural trend containing the Rossland gold mines. To a large extent the Break is controlled by volcanic contact with a number of adjoining plutons.

II SUMMERY OF WORK

1. Previous Work

The geology of most of the property and all of Mt. Kelly has been mapped at a scale of 1:20,000 by the GSBC. The results of this work are presented as two large maps available to the public (Open File 1990-8 & 1990-9). Those Open File Maps also overlap the 1:10,000 geology mapping by Noranda on the Rossland Bear Property north of Beaver Creek. Maps for the Rossland Bear project also contain groupings of soil geochemistry elements as: As, Ag, Au and Cu, Pb, Zn on a patchwork of grids. Little of interest resulted from the geochemical survey except for a few enhanced gold values taken from the cross-section of the volcanic pile exposed on the north bank of the Columbia River. It is well to note that no soil samples have been taken along the contact of the Elise volcanics and the Bonnington Pluton, i.e. along the northern boundary of the "CHAM" claims.

Circa 1985 Noranda emplaced seven small grids at 1:2,500 scale on Mt. Kelly for the acquisition of geology, soil sampling and/or magnetometer surveys. Only one of those grids (Grid 8J), yielded a soil sample anomaly assaying 3300 ppm in zinc. The anomalous value occurred in argillaceous sediments on the western edge of a 2 km wide roundel of core broken off from the center of Mt. Kelly. The broken off stubby cylinder of volcanic core slid in a marine environment to where it now rests – 5 km to the southeast in the headwaters of Tillicum Creek. In that same year Falconbridge collected over 50 rock samples for lithogeochemical analysis. The samples were collected from exposures along a network of logging roads covering part of the north flank of the cone. No anomalous values and no mineralized haloes were located by the Falconbridge work.

Circa 1984 Billiton constructed a 1:5,000 scale triangular shaped grid, measuring 2 km by 2 ½ km covering part of the core and part of the cone in the northeast quadrant of Mt. Kelly. A total of 355 soil samples were collected from that grid. Anomalous values in zinc were recorded by Billiton inside the north rim of the volcanic cone. Billiton's zinc soil sample 'hot spot' measures 500 meters in length and spans the core-cone contact (Figure 4). Elevated zinc values in that region assay between 1,000 ppm and 5,000 ppm. Billiton had six trenches bulldozed within the anomalous area. Twenty three soil and 30 rock samples were collected from those trenches. Many of the trench sample values were elevated and some were anomalous being above 1000 ppb. Billiton personnel mapped and sampled those trenches. Vertical profiles of mineral deposition in the sediments are contained in the Assessment Report 13,047 for each of the six trenches.

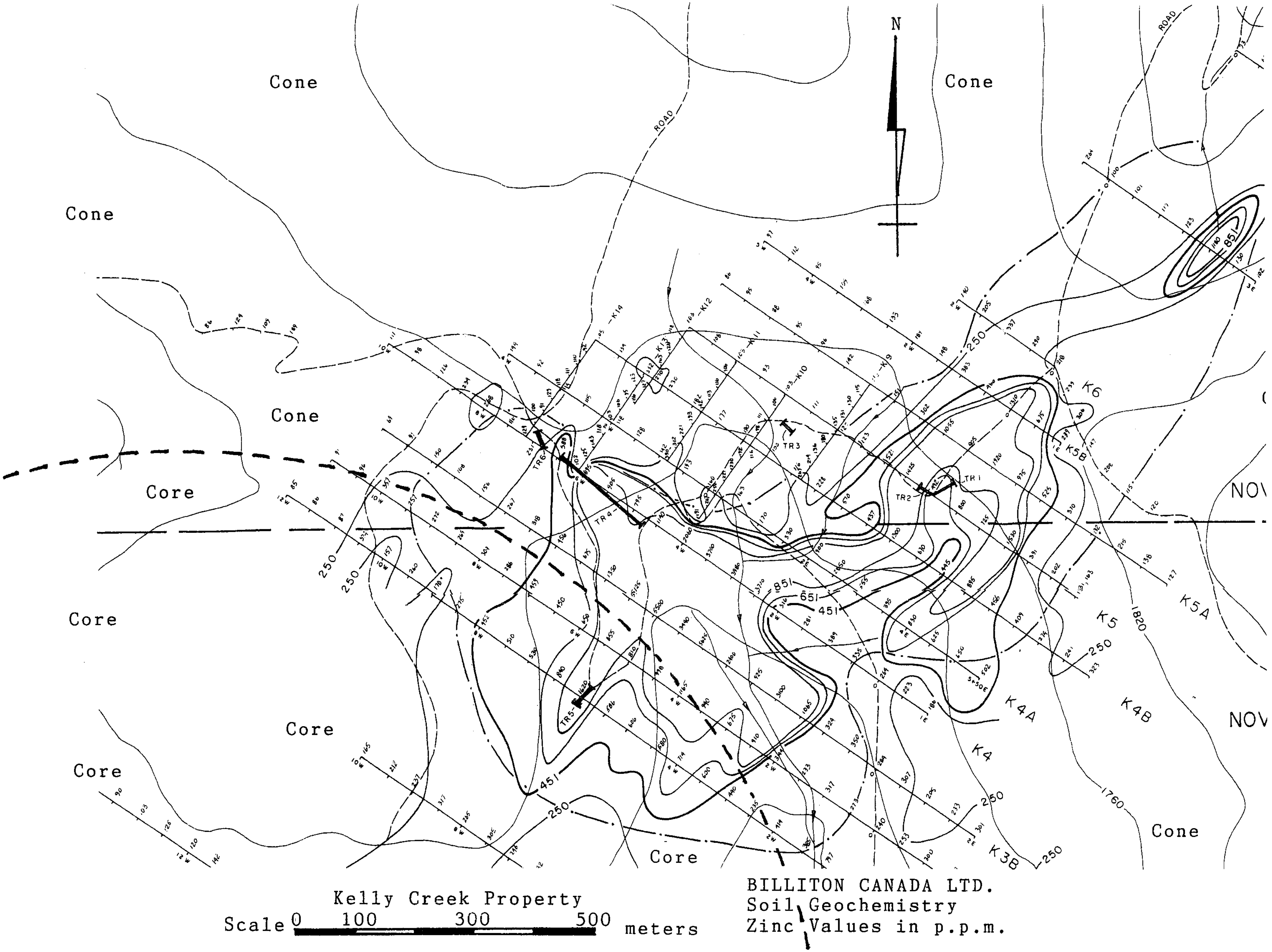


Figure 4. Contour map of zinc soil anomaly on Mt. Kelly

Circa 1988 International Corona conducted an extensive airborne geophysical survey. It yielded HEM, EM-16 and Magnetic data plotted at the same 20,000 scale as the Open File geology maps by the GSBC. The surveys both confirm and better place the magnetometer anomalies in the Beaver Creek Valley, as well as high on the north face and southwest of the Mt. Kelly volcano. The areas regional magnetic anomalies were first recorded on airborne map 8479G "Salmo" map sheet, published by the GSC in 1970.

On the ground International Corona undertook an extensive sampling of all the streams draining Mt. Kelly. The "non-magnetic heavies" concentrate from the sediments were analyzed for; Au,Ag,As,Cu,Zn & Ni. The results of that study were anomalous along the eastern boundary of the Kelly Property and eastward to the limits of the sampling near the Salmo River. Of particular interest on Mt. Kelly itself are the high nickel values along the western branch of Archibald Creek and a wide spaced grouping of three anomalous gold values from three different creeks bracketing the south end of the western volcanic cone.

2. <u>Geology</u>

Numerous locations within the property were visited on a prospecting basis to better understand the various rock classifications applied to the volcanic pile by the GSBC. One section of a new logging road called the, "Sunshine Road" was mapped to confirm the southwest extent of the southwest oriented geology as previously mapped by the GSBC. Geological mapping of the Western side of Mt. Kelly indicates that part of the volcanic cone has shifted northward along with a wedge of the core (Figure 5). If true, the wedge of core presently occupies much of the ground between Falls and Query Creeks. Matched to the intact eastern part, the cone forms a horseshoe about the core that is open to the southwest. The south-west part of the cone has collapsed. A remnant of the southern part of the cone contains overturned bedding. Rubble from the collapsed section of cone partially obscures the adjacent southwest oriented geological strata. Following the structural trend southwest of Nine Mile Creek, the Elise volcanics were invaded by numerous bodies of Tertiary lavas to form a polka dot pattern of volcanic necks that were feeders to the Marron flows. Beyond Blizzard Mountain that block of the Elise volcanics is fault terminated at the Columbia River.

Northwest of Beaver Creek, H. W. Little described the volcanics as homoclinal, facing steeply to the northeast. North of Beaver Creek the property includes the entire eastern boundary of the Trail Pluton and much of the southern boundary of the Bonnington Pluton in contact with the Elise formation. The contact with the Trail Pluton has close parallels with the environment found at Rossland for the deposition of high grade gold mineralization. The western area of contact, the exposed cross section of the volcanic pile on the north side of the Columbia River valley and the Canada Day Red Zone in the center of the Elise volcanics were the locus of attention for Noranda Exploration in 1990. Historically it was north valley wall that was best exposed and that most excited the major exploration and mining activity in the past.

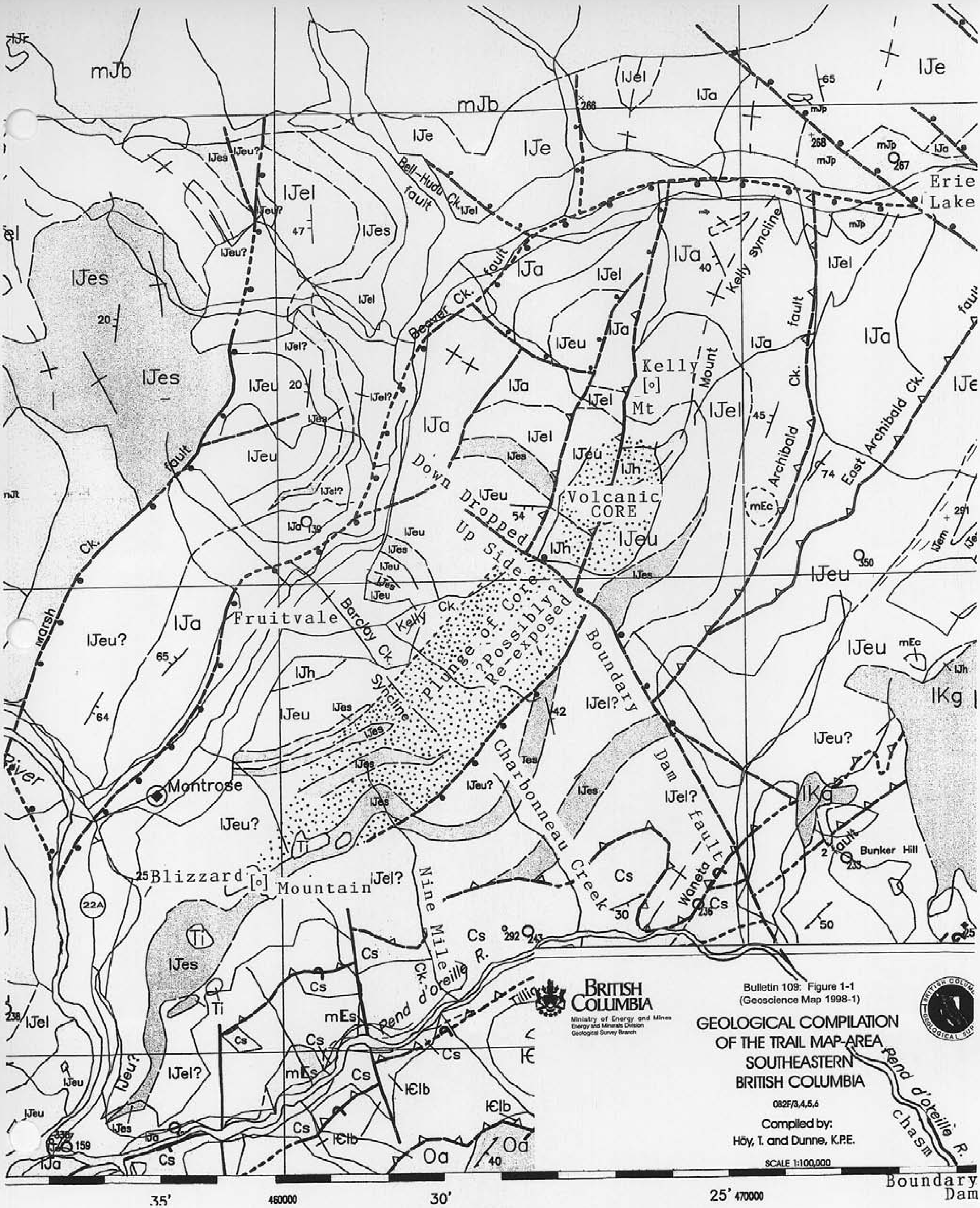


Figure 5. Geological Compilation of Trail Map-Area

3. Geochemical Survey

In 1984 Billiton constructed a grid covering the northeast corner of the volcanic core and parts of the adjacent volcanic cone. On that grid Billiton personnel collected 355 B-horizon soil samples. The sample spacing was every 50 m along 10 km of grid lines with variable separations but normally 100 m apart. In 2006 the soils and grid work of Billiton was expanded upon by adding a contour grid following about the circumference of the elliptically shaped volcanic core. From the contour grid 343 soil samples were collected at 50 m intervals. Refer to (Figures 9, 10, 11) for the plotting of base and precious metal values and Appendix II for the complete 28 element data set of assay results.

Northwest of Beaver Creek only two soil samples were collected during cursory regional prospecting (100, 101). Three rock samples were also collected (Appendix I). Rock sample 6455B was taken from at highly siliceous conformable meter wide member of the volcanic pile. It was collected near where an anomalous gold value of 285 ppm was previously recorded for sample number 8854954 (Assessment Report 18,872). Samples 6456B and 6457B assayed dump material from a 6 m deep shaft located in the hangingwall of the Champion Lakes fault at (GPS 11454952 E, 54385759 N).

4. Geophysical Survey

Late in 1988 Aerodat conducted a combined helicopter-borne magnetometer, electromagnetic and VLF survey over the entire Kelly Property and beyond for International Corona. That same year the north-west part of the same airborne survey was reflowen by Aerodat northwest of Beaver Creek for Noranda Exploration. Northeast of Beaver Creek, Noranda personnel also conducted 21.1 line km of magnetometer readings and 19.1 line km of I.P. survey on the Canada Day Red Zone. On Mt. Kelly, Noranda established two small grids.Grid 8P was established on the western cone and grid 8J was constructed 3 km southeast of the volcanoes core. Each grid each covered HEM electromagnetic conductors located by an unpublished airborne survey. Noranda personnel conducted ground based magnetic surveys on (Grid 8P & 8J).

In 2006 near the center of Mt. Kelly 2.1 km of grid line was established over an area of the bland magnetics that cover an area of proposed diamond drilling for 2007. On that grid magnetometer readings were taken 25 m apart on five cross lines. The primary reason for establishing that grid was to more accurately determine the contact between the core and the cone of the volcano. The secondary reason for establishing the grid was to determine if a magnetic signature might be tracking the geochemical lineament across the cone. The magnetometer readings are plotted on (Figure 6).

III DETAILED TECHNICAL DATA

1. Geological

i) Purpose

On that part of the property northwest of Beaver Creek, follow-up prospecting of some low-level anomalies indicated by a soil sampling program circa 1990, (Rossland Bear Project). A few old workings were encountered, a few rock samples were taken and two soil samples were collected. Soil sample number 100 returned a zinc value of 543 ppm. No mineralization of consequence was found in rock samples (6455B – 6457B).

On Mt. Kelly the presence of argillite covering the core of the volcano in the northeast quadrant is deemed not to be extensive or overly thick. It should be possible to sample the volcanic core underlying the zinc bearing argillite cover by short-hole diamond drilling. Because the surface argillite cover masks the underlying contact between the core and the cone, a magnetometer survey was undertaken to establish the contact more accurately. Geological prospecting confirmed an offshoot of the argillite cover follows the axis of the dominant synclinal fold to the ridge top of the volcanic cone in the northeast. Geological prospecting also confirmed the southwest lineation of the volcanic strata as evidenced along a new logging road crosscutting the strata near where the GSBC indicates it to start - about six kilometers southwest of the center of the cone.

ii) Regional Geology

The Rossland Group is comprised of intermediate to mafic volcanic rocks and associated course to find clastic rocks of Lower Jurassic age. It forms part of the southern Omineca Crystalline Belt an uplifted zone of variably metamorphosed and deformed Proterozoic to Tertiary rocks along the boundary between accreted terrains and ancestral North America. The Omineca Crystalline Belt comprises an imbricated succession of thrust sheets that were transported eastward in Mesozoic time. This event was accompanied by widespread mafic volcanism which included the Elise volcanics and granite bodies such as the Nelson, Trail, Rainy Day Plutons etc.

iii) Local Structure

The structure in the Salmo area is dominated by a complex pattern of rectilinear faults, superimposed on an earlier trust and fold terrain. Four phases of deformation are identified: intense shearing and development of the penetrative foliation, north-trending folds associated with east-directed thrust faults, normal faulting, (probably of Bajocian age) prior to intrusion of Nelson batholithic rocks and finally eastward migration of surface cover as fault slippage due to further mantle relaxation during the Eocene.

The more recent structures are post-intrusive, northeast-trending normal faults. The most prominent of these is the Champion Lake fault. It is the southern extension of the Slocan fault along which east-side-down normal displacement forms the western boundary of the Elise volcanics north of the Columbia River. The Marsh Creek fault is a splay of the Champion Lake fault that fans the Elise volcanics further east. Numerous eastward displacements are similarly transferred to a complex of attendant northeast-trending array of normal faults. All those faults with the exception of the Violin Lake fault terminate along the east-west orientation of the Trail Creek fault. The Columbia River turns eastward at the City of Trail following the strike of the Trail Creek fault to where it intercepts the Waneta Thrust Fault near the American-Canadian border.

The strength of the Violin Lake fault is such that it crosses the Trail Creek fault. It also terminates the Waneta Thrust Fault west of the Columbia River. A westside splay from the Violin Lake fault called the Tiger Creek-Milk Creek fault forms the eastern boundary of the Elise volcanics in the Rossland area. The multitude of north to north-east trending, east dipping normal faults occurring north of the flexure in the Columbia River expose gneissic core rocks inundated by post Elise, Bonnington, Trail and Nelson Plutonic rocks.

The Beaver Creek fault a northeast-trending, southeast-dipping normal fault follows the Beaver Creek valley from the Columbia River to Erie Lake near the town of Salmo (Figure 5). As with the other normal faults, it again shifts Mount Kelly eastward as well as southward. It curves around the western and northern edge of the cone formed by the Mount Kelly volcano. The fault juxtaposes Elise Formation in its hanging wall against folded Archibald Formation to the southeast.

Mount Kelly is geologically mapped to incorporate petrographic rock type descriptions into a time evolutionary display as sequential successions of volcanic outpourings. The GSBC work in this regard by Hoy and Andrew show Mount Kelly to be a stratovolcano that exhibits a prominent, large upright to overturned south plunging syncline that both follows and defines the plunge of the volcanic core at its center. Archibald rocks in the hinge zone are gently to tightly folded and locally thickened. The more competent Elise Formation rocks affected by the syncline are concentrically folded about the axis and Hall Formation in the core of the syncline is strongly cleaved. The fault block containing Mount Kelly lying between the Columbia River and the Beaver Creek Valley was tilted during Eocene extension. Such tilting would explain the thickened volcanic pile and the exposure of a multitude of feeders to the Marron Lavas that emanated along the plunge axis of the volcanic core under Blizzard Mountain.

iv) Property Geology

Northwest of Beaver Creek and Mt. Kelly, the Rossland Group of volcanic rocks are in direct contact with the Bonnington Pluton, direct or fault contact with the Trail Pluton and fault contact with the much older Castlegar Gneiss. The lower member of the Rossland Group is the Archibald Formation. It is composed of interbedded siltstones, sandstones and argillites. The middle member is dominantly a homoclinal succession consisting of flow breccias and clastic breccias that form the Elise volcanics. The upper member, the Hall Formation is almost absent except for minor exposures on Beaver Creek. It is a relatively undeformed clastic rock that conformably stilted in the low lying sections on the paleosurface subsequent to effusive volcanism.

By retracting normal fault slippage resulting from the Slocan fault and its attendant faults it is conceivable to imagine Mt. Kelly as having initially formed much nearer the present day city of Trail, BC. In that position Mt. Kelly would have formed much nearer a weak point in mantle rifting as indicated by significant east-west and north-south fault movement sufficient to turn the Columbia River at right angles and terminate the Slocan fault. On the most recent regional Geoscience Map 1998-1, such a retraction would lineup the succession of the Elise volcanics to form a near continuous and smooth arc from the American border to the city of Nelson 60 km to the North. Shifted to that position it is easier to visualize that the Mt. Kelly volcanics were originally in contact with the Rossland Group at Rossland, BC and that Mt. Kelly was responsible for the formation of the Rossland Group.

Based on the foregoing reconstruction model one would expect the Rossland Break, a break along which the richest of the Rossland mines formed, to cross the Champion Lakes fault onto the eastern body of Elise volcanics midway between the Columbia River and the Champion Lakes Park. The igneous-volcanic contact in the vicinity of the Champion Lakes and Marsh Creek faults is similar to the setting at the Rossland mining camp. The igneous-volcanic contact with the Bonnington Pluton along the northern edge of the property appears not to have produced the heat necessary to convert relic limestone clasts into feldspar components. Nevertheless that body would be expected to produce greenschist grade metamorphism along the contact and so allow for the possible formation of gold scarn deposits.

The sequence of volcanics on both sides of Beaver Creek is similar. The structural shape of the two sections although similar in a regional sense striking north-northeast are a mismatch on the local scale due to the building of a volcanic cone and north down tilting of the Mt. Kelly-Blizzard Mountain fault block. Retraction of tilting would have originally placed the formation of Mt. Kelly closer to the Columbia River zone of structural weakness and in the process partially for wholly buried Blizzard Mountain. Block rotation east to west, as well as north to south could explain Little's quandary in understanding the cause of the vertical to overturned beds and fantastic thickness of the volcanics he observed on Blizzard Mountain (Little 1982).

On Mount Kelly the Southwest plunging syncline observed by Hoy, Andrew, Little and before them Mulligan, Matthews and Okulitch is now known to occupy the center of a volcano. It is believed by this writer to follow along the underside of the plunging volcanic core and as such represent the axis of a somewhat recumbent volcanic cone. Epiclastic argillite fills the bottom of the syncline all the way up the side of the cone and onto the very top of the ridge itself. If the argillite fill is in fact Hall Formation it would imply the volcano lay even more horizontally recumbent in the Toarcian i.e. on the middle-lower Jurassic boundary. The core of Mt. Kelly is elliptical in shape. The surviving unfaulted, north and eastern parts of the volcanic cone define one half of a larger elliptical structure formed from a succession of volcanic outpourings surrounding the core. The long axes of both ellipses parallel the axis of the syncline and define the strike of the plunge as northeast-southwest. The ratio of the major to minor axes complement the -30° plunge angle of the syncline axis and so defines the plunge angle of the volcanic core to also be -30° to the southwest.

A northwest-southeast oriented fault cuts across the structural orientation of the volcanic succession southwest of the volcano. It is called the Boundary Damn fault (Figure 5). The fault projects into the southeast bend of the Pend-d'Orielle River at Limpid Creek after which it forms an impressive gorge in which the Americans have constructed the equally impressive "Boundary Hydroelectric Dam". The formation or activation of this fault is believed to have contributed to the collapse of the southern part of the volcanic cone. Southwest of the Boundary Dam fault, the plunging core is uplifted and is expected to outcrop on surface. Sadly any such exposure is buried under the rubble of the collapsed southern section of the volcanic cone. Southwest of the fault the plunging core is expected to follow the prevalent structural lineation to pass under Blizzard Mountain and enter the Columbia River somewhere between Fort Sheppard and the Trail airport. Initially the plunging core is accompanied by a fault paralleling it on the southeast side as far as Nine Mile Creek. Nine Mile Creek follows a visually obvious topographical break parallel to the Boundary Dam fault. Mapping of the surface geology does not indicate a significant lateral shift across the Nine Mile Creek break. However dip-slip movement on the Nine Mile structural break would be expected to once again uplift the volcanic core passing under Blizzard Mountain to be close to surface.

The upper sections of the plunging core offer an opportunity to explore for near surface epigenetic mineral deposits that initially would have formed along the volcanic conduit below the depth of 5 km (Figure 3). A number of magnetic anomalies occur along the southeast side of the plunging core that may be indicative of buried mineral deposits. Nine mile Creek is situated half way between Mt. Kelly and Blizzard Mountain. As mentioned earlier southwest of Nine Mile Creek and under Blizzard Mountain, the volcanic core may not be buried to deep to offer hope of finding an epigenetic deposit associated with it. A bottomless slough on the Boilard Ranch, (formerly Folvik Ranch) 1 km southwest of Nine Mile Creek is indicative of an ancient volcanic vent. Also numerous Tertiary outpourings of Marron Lavas are exposed on surface along the path of the plunging core as it passes under Blizzard Mountain. Such events not only suggest that the core was an active conduit for the passage of mineralized solutions during the subsequent 100 million years after active volcanism ceased in the Jurassic period. But there is a very real possibility that epigenetic ore bodies preformed near surface along the pathways later followed by the subsequent outpouring of lava during Tertiary Time. As such the surface trace of the plunging core may offer a continuous length of prospective surface from Mt. Kelly to the Columbia River.

2. Geochemical Survey

i) Prelude

In 1984 Billiton constructed a geochemical grid on Mt. Kelly from which they collected 355 soil samples. The Billiton grid covered much of the northeast quadrant of the volcanic crater formed by the high walls of the volcanic cone surrounding the lower central core. Much of the grid area was underlain by surface cover of argillite. Only those soil samples taken from the argillite member expressed anomalous zinc values (Figure 4). The zinc anomaly spanned the core-cone contact and follows a north-northeast extension of the argillites that inhabit the paleobottom of the "Mt. Kelly Syncline" up the side of the cone.

ii) Purpose

It was our intention to confirm the zinc anomaly by collecting a number of check samples from the known anomalous area and to further expand upon the soil sampling program begun by Billiton twenty two years earlier by sampling the remainder of the volcanic core-cone contact. Using the steep drop-off as scoured by the two northern branches of Kelly Creek as a guide, the volcanic core-cone contact was soil sampled in a simple manner by following along each side of the encircling creeks. One contour traverse of the cone and two contour traverses of the core were completed using this method.

iii) Techniques

In 2006 a total of 343 soil samples were collected at 50 meter intervals along flagged contour-traverse lines following the elliptical outline of the volcanic core (Figures 9,10 & 11 in Pocket). For control purposes GPS co-ordinates were often obtained at each third sample location. The majority of samples were collected from the B soils horizon. Whenever roadside cut banks were encountered C horizon soil samples were taken. Samples were collected using a Geotul, (a prospector hammer-maddock). Sample collection depths were normally 30 cm for B horizon and 100 cm for C horizon. The sample dirt was placed in open ended "soil sample" Kraft envelopes for drying and shipping. The depth of the sample and sample characteristics are recorded in Appendix III. The -80 mesh size fraction of each sample was assayed for 28 elements by ICP analysis utilizing Aqua-Regia Digestion at EcoTech Laboratories in Kamloops, BC. Gold was not analyzed for because of cost constraints.

Quality control of field sampling was maintained by substituting a common background sample for every 20th sample i.e. for those numbers ending in 10, 30, 50, 70, 90, 110, 130 etc. Samples numbered 118N to124N and 200N to 204N overlap the area of anomalous zinc values recorded by Billiton. Quality control at the assay laboratory was maintained by analyzing a standard till sample after every the 50th analysis and by the repeat analysis of every 19th sample.

iv) Discussion of Results

Values obtained in 2006 from the extension of lines 100N and 200N into the previously defined area of zinc bearing argillite, confirmed the values recorded by Billiton in 1984. The insertion of two short lines 300N and 400N, between lines K6 and K7 located at the northern limit of the former Billiton soils grid, confirmed the previously located single point zinc anomaly of 1180 ppm recorded on line K7. Whereas the main body of the zinc anomaly lies inside the cone; line 400N and line K7 are on the outside of the cone. Such would imply a zinc filled structure passes through the cone, or the volcano was at some time recumbent to the extent that zinc bearing argillite poured out over the lip of the cones rim. Within the anomalous area of zinc, both copper and silver are elevated above background in a spotty fashion.

Soil samples taken from a separate argillite block situated in the southwest corner of the volcanic crater produced only a few above background and one moderate 703 ppm zinc value assay. Nearby and upslope, soil sample 271N taken from the cut bank of the main logging-access road assayed high in Ba, Sr, Ni and above background in Co, La, Cr, P, V,&Y. Everywhere within the core there is a low order correlation between Vanadium and Copper.

In that area of the property northwest of Beaver Creek cursory prospecting revealed a few old workings; a few rock samples were taken and two soil samples were collected. Soil sample number 100 gave a modest response of 543 ppm in zinc values. No mineralization of consequence was found in rock sample numbers (6455B – 6457B). Directly south of Fruitvale two rock samples were collected on the main Kelly Creek – Nine Mile Creek logging road. E 150301 sampled a weak staining of malachite outcropping on the roads only switchback. South of the same road, 3710E-6 sampled related malachite on the height of the land between Kelly Creek and 9 Mile Creek (Appendix I).

3. Geophysical

i) Prelude

A first class helicopter born survey conducted by Aerodat for Corona Corporation in 1988 indicates three magnetic anomalies high up on the north face and three or more magnetic anomalies above the trace of the plunging core southwest of Mt. Kelly. The area of initial interest underlying the zinc rich geochemical anomaly in the north-east quadrant of the volcanic crater expresses a remarkably bland aeromagnetic signature. By contrast both argillite bodies overlying the volcanic core in the north-east and south-west quadrants express broad HEM responses indicative of graphite without magnetite being present in the argillite.

ii) Purpose

As an aid to proposed diamond-core drilling in the zinc anomalous area on Mt. Kelly, a magnetometer survey was introduced to better establish the surface trace of the underlying volcanic core-cone contact. The core-cone contact is expected to be the primary conduit for the transport of mineralized solutions. The intention of the proposed program is to drill the contact area and nearby a suspected mineralized shear passing outward through the volcanic cone.

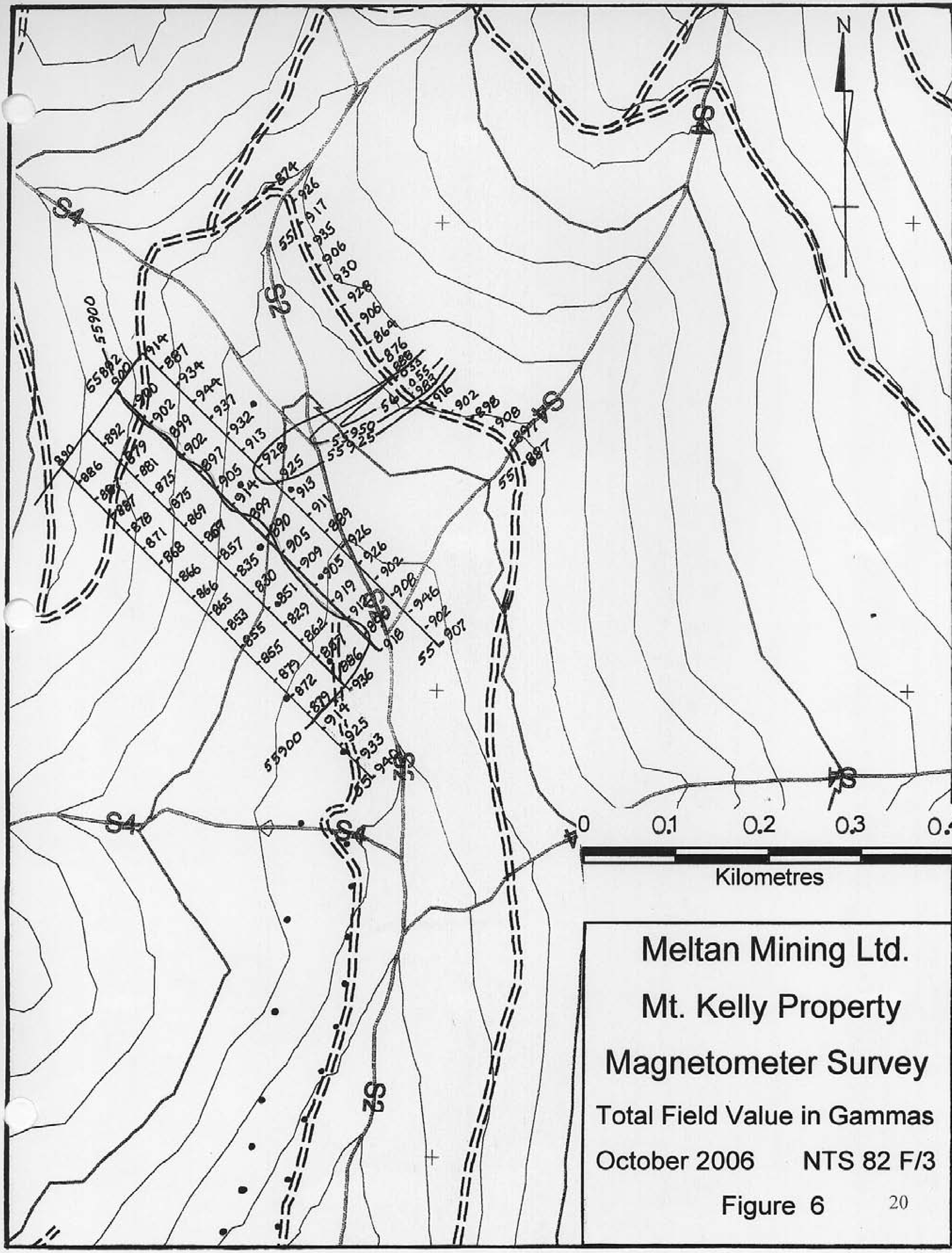
To better establish the location of the shear for drilling purposes, magnetic data was collected from a single traverse line 200 meters northeast of the contact zone. The intent was to note any prominent magnetic signature that might indicate a mineralized vein striking through the cone that could be the cause for the formation of a finger like projection of the zinc rich soils anomaly following a synclinal structure to the northeast.

iii) Technique

A very small uncut grid using plastic flagging was ribboned every 25 m along four lines spaced 50 meters apart overlying the core-cone contact area. A single line utilizing a section of logging road 200 meters to the east acted as a fifth cross line. It was designed to cross that part of the zinc soil anomaly following the argillite infilling along the prominent northeast trending Mt. Kelly synclinal fold. The magnetometer grid overlaid a portion of the much larger, but longer existent Billiton soil sampling grid. The cross lines of the magnetometer grid were oriented at an azimuth of 135° (Figure 6). Readings were recorded every 25 m along the grid lines using a hand-held staff mounted Geometric manufactured Proton-Precession Magnetometer. It measured total field intensity to 1 gamma accuracy. The magnetic data was not corrected for daily diurnal variations. The raw data from this survey is plotted on Figure 6.

iv) Discussion of Results

Referring to the results plotted on Figure 6, a 10 gamma to 50 gamma shift along the 56900 gamma contour line is easily discernible. The 56900 gamma contour follows parallel and at right angles to the magnetometer grid lines. The 56900 gamma contour line defined by the magnetics is interpreted to more exactly define the core-cone contact locally than the nearby creek bottom. Two hundred meters east and well out into the cone a very sharp high amplitude peak of 150 gammas is observed on line 200E (Figure 7). It is indicative of a steep southeast dipping mineralized shear very near where one would also expect to find the underlying axis of the Mt. Kelly syncline to pass.



Meltan Mining Ltd.

Mt. Kelly Property

Magnetometer Survey

Total Field Value in Gammas

October 2006 NTS 82 F/3

Figure 6

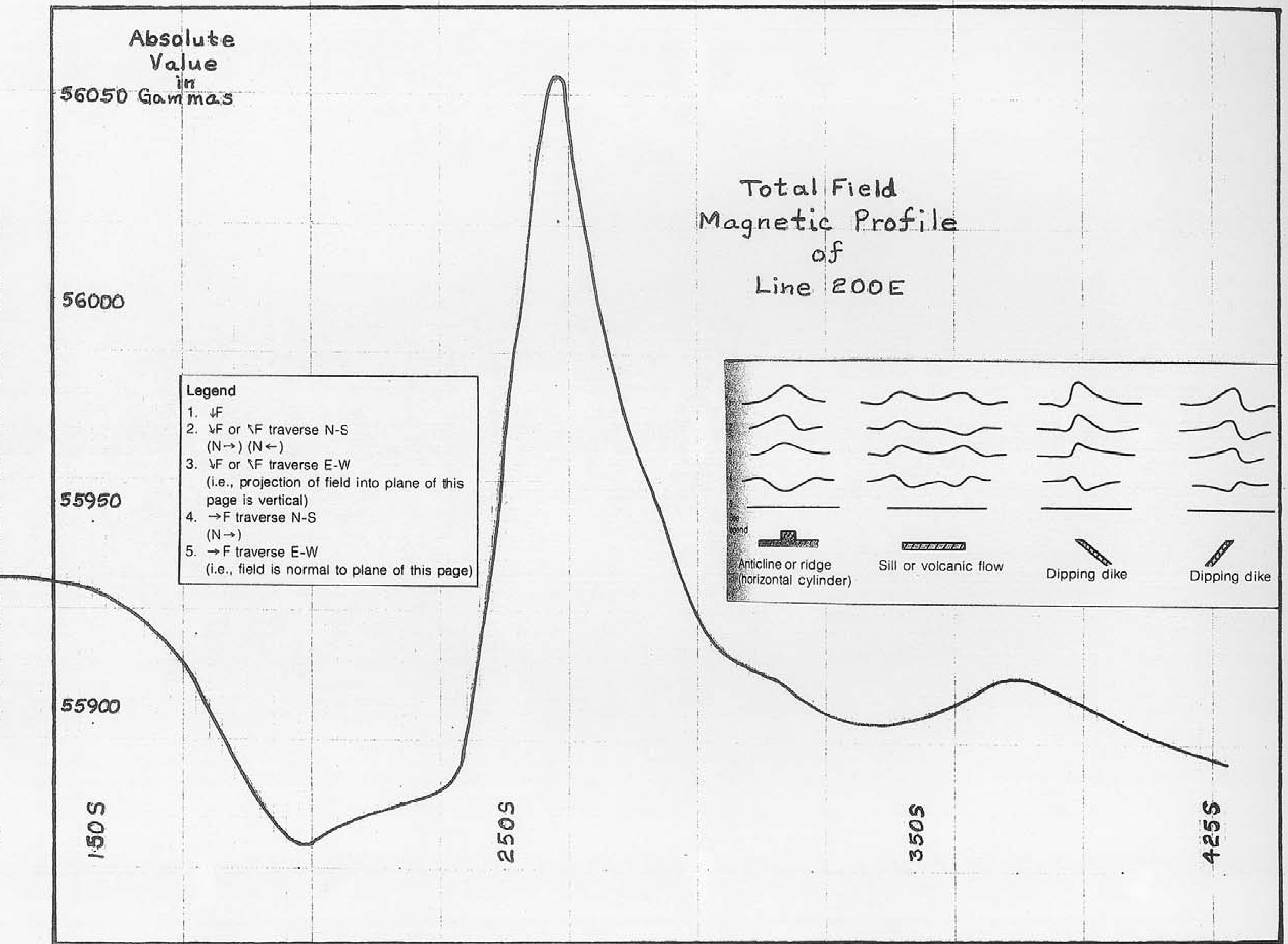


Figure 7. Magnetic Profile of Single Line on Volcanic Cone

IV. CONCLUSIONS AND RECOMMENDATIONS

The homoclinal succession of volcanics between Champion Lakes and Beaver Creek is thought to be the fault separated eastern continuation of the homoclinal succession of volcanics at Rossland, B.C. "The Rossland Break", a structural trend defined by the extremely rich Rossland gold mines can be expected to reappear somewhere within that fault separated, eastern block of volcanics.

Noranda personnel conducted a widely spaced soil geochemical program across much of the western igneous contact with the Elise volcanics south of the Champion Lakes. Only two anomalous values in gold resulted from that survey. The southernmost value of 40 ppm, obtained from sample number 8857619, was accompanied by anomalous copper, lead, and zinc. It is suggestive of an older mine working sample. A single two-post claim which is not part of the Kelly property overlies that location. The higher grade sample of 285 ppm was located on the contact three kilometers north of the Columbia River at sample location number 8854954. A day spent prospecting the scanty outcrops near where that sample was taken did not locate the source for that gold value.

The area northwest of Beaver Creek was flowen separately by Aerodat for both Corona and Noranda in the same year, 1988. The Champion Lakes area and the Mt. Kelly area to the south, was geologically mapped the following year by the GSBC. No exploration work has occurred since that time. Also soil sampling east from the Champion Lakes along the southern boundary of the Bonnington Pluton has yet to take place. The author of the Noranda Report recommends follow-up exploration on three anomalous zones on the" Canada Day Red Zone" showing situated near the middle of the Elise volcanics located in the headwaters of Griff Creek.

Southwest of Beaver Creek, Mt. Kelly is mapped as a stratovolcano by the geological survey branch of the provincial government (GSBC). The core of the volcano has since been recognized as a perfect elliptical structure measuring slightly less than two kilometers in width by three kilometers in length. The shape of the core, the surviving unfaulted eastern section of the cone and the dip angle of the syncline following down the volcanic core define a large tilted fault block that contains the core of the volcano plunging at -30° to the southwest.

Exploration along the surface trace of the plunge line of the volcanic core to the southwest offers the potential for finding epigenetic ore bodies formed by fluids rising along the volcanic core (Figure 3). Geochemical sampling of the argillite common to both the northeast volcanic crater-basin and the trough of the intercepting synclinal fold give assay values anomalous in zinc (Figure 4). The anomaly may represent a massive volcanogenic zinc deposit and/or and mineral filled shear following the synclinal axis through the cone. Only low order spotty values in silver and copper accompany the zinc in the anomalous northeast area of the volcanic crater. Copper values also indicate a second lineament following the axis of the syncline and 150 m southeast of the dominant zinc-copper trend (Figure 5, of Billiton Assessment Report 13,047). The volcanic core and cone underlying the anomalous soil cover are to be tested by diamond drilling in 2007.

Extending on the work began by Billiton the remainder of the heart of the volcano was soil sampled along the elliptical core-cone contact in 2006. That work did not result in finding any other anomalous area atop the core. However two short grid lines interspersed between a 300 m separation of the former Billiton grid situated on the outer side of the volcanic cone gave geochemical results in support of a mineralized shear passing through the cone. On those two short additional lines the 384 ppm, 352 ppm zinc values on line 300N and the 288 ppm, 1038 ppm zinc on line 400N support the 1180 ppm zinc value previously located by Billiton on line K7. Low order copper values on the two lines added in 2006 support the zinc values in defining a mineralized shear following the prominent synclinal axis across the cone (Figure 11). A high copper value of 137 ppm at the end of line 400 N supports the observation of a low order copper lineament parallel to the zinc lineament as originally plotted by Billiton.

In the northeast quadrant of the volcanic core a very small magnetometer ground survey defined the core-cone contact and nearby a southeast dipping structure crossing the lower part of the adjoining cone. The southeast dipping structure is believed to represent a northeast striking mineralized shear that may pass completely through the volcanic cone (Figure 7). Ground magnetics located the contact and the shear to underlay some of the highest zinc and copper values obtained from the overlying surface soil anomaly.

An airborne geophysical survey prepared for Corona Corporation in 1988 displayed a number of magnetic highs following along the southwest surface trace of the plunging volcanic core. The airborne survey also confirms three magnetic anomalies high on the north flank of the Mt. Kelly volcano. No broad or strong helicopter borne HEM response accompanies those bulls-eye shaped magnetic anomalies. Conversely the broad HEM responses over the two areas of argillite that cover parts of the volcanic core do not show a magnetic response. Any one of those magnetic highs could be an indicator of buried massive volcanogenic sulfides and all warrant further exploration. The numerous broad HEM responses combined with numerous large magnetic responses in the Beaver Creek Valley bottom overlie granitic bodies; as such they are more likely to indicate mineralized porphyry or the magnetite component of the igneous rock formed by processes other than volcanic.

Past work done by mining companies including Billiton, Falconbridge and Noranda did not find any significant hydrothermal alteration or mineral in situ on Mt. Kelly. However a regional silt and heavy metal concentrate of stream sediments was undertaken by Corona Corporation in 1988 (Figures 1 to 5 of Assessment Report 18,990). The stream sediments sampling indicate the presence of gold on the outer side of the western cone and the presence of gold with arsenic, copper and nickel on the outer side of the eastern cone.

Statement of Costs

Hours of fieldwork for Melvin DeBriske, P.Geo.

Time Period	Hours of Work	
July 16 – July 31	18	(8,2,8 hrs)
Aug 1 – Aug 29	16	(1,4,5,6 hrs)
Sep 4 – Sep 30	105½	(2,10½,1,10,10,10,11,3,12,5,11,11,1,8 hrs)
Oct 1 – Oct 15	74½	(8½,9,2,2,8,8,2,3,2,8,10,9,1,2, hrs)
Total hours	214	

Hours of report writing for Melvin DeBriske, P.Geo.

Time Period	Hours of Work	
Oct 9 – Oct 31	21	(1,1,1½,2,2¼,1¾,3½,2,4,2 hrs)
Nov 1 – Nov 22	45¾	(1¾,2,1½,1½,1¾,5¼,4,4,1¾,4,1,2,4, 2¾,4½,3½,1 hrs)
Dec 8 – Dec 30	70¼	(2½,½,2,2½,6,3,1½,4,5,3,6,2½,3½,5¾, 5¼,1½,3½,3¾,2½,6 hrs)
Jan 1 – Jan 10	71	(5,8,5,7,6,8,9,7,8,8 hrs)
May 30 – Jun 25	34	(2,2,6,6,4,5,6,3 hrs) add Research & Revision
Total hours	242	

Total days (456/8 hrs) = **57 days** **$28,500.00** (at $500.00 per diem)

Days of fieldwork for prospector-assistant David Turner
July 16 1 day $200

Days of office work for research-assistant Arnold By, PhD
July 31 1 day $200

Days of technical work providing base maps Theodore Nelson
August 1 ½ day $100

Days of field assistance for magnetometer survey Theodore Nelson
September 24 1 day $200

Total days 3½ $700

Wages

Note: Research of geological literature was ongoing pre, during and after staking of mineral claims (Oct 20, 2005 – Apr 16, 2006). No attempt was made during that phase to record the hours spent accumulating and digesting the information. The $15,000 figure is a conservative time value placed on those efforts.

Geologist	Fieldwork & Report Writing	$28,500.00
Geologist	Research geological controls of volcano	$15,000.00
Assistants	Fieldwork and technical	$ 700.00
Total Wage Cost:		**$44,200.00**

Assays of Rock	$ 84.56
Assays of Soil Samples	$ 3402.29
Magnetometer rental 7 Days (Sep 19-25)	$ 308.40
Chain saw usage 29 days (Apr 16-26, Jun 7-18, Jul 16, Sep 3-30, Oct1-13)	$ 340.00
Vehicle usage on Mining Property Days: 8 Car + 21 Jeep (Apr 16-26, Jun 7-18, Jul 16, Sep 3-30, Oct1-13)	$ 1290.00
Vehicle usage in City 10 Days, Car (27 Apr, 2006 – 10 Jan, 2007)	$ 500.00
Equipment purchased	$ 292.27
Equipment preowned (consumed and worn)	$ 150.00
Reproductions of large size maps	$ 247.76
Office supplies	$ 150.00
Postage	$ 22.52
Telephone	$ 9.92
Reproductions of Mineral Records	$ 9.70
~~Reclamation Bond~~	~~$ 1000.00~~
Total Costs for Rental, Usage and Purchase of Goods	**$ 6,807.42**
Total Costs for all Wages, Goods and Services	**$51,007.42**

Written and Submitted by:

Melvin DeBriske, P.Geo.

January 10, 2007

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CERTIFICATE OF QUALIFIED PERSON

I, Melvin DeBriske, P.Geo. do hereby certify that:

1. I am President of GeoCanada Geological Consulting Ltd., of 625 Dickens Street, Trail, BC V1R 2B5, Telephone: (250) 368-8065

2. I graduated with a degree in Physics from the University of British Columbia in 1970.

3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia.

4. Initially I worked as a Geophysicist for 5 years then as a Geologist for 25 years since my graduation from university.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I am responsible for the preparation of all sections of the Assessment Report titled: *"Assessment Report for Structural Geology/Soil Sampling/Magnetic Survey on the CHAM & MEL Mineral Claim Blocks of the Kelly Property".*

7. I have made numerous visits to the Kelly Property between the dates of: Dec 20, 2005– Oct 13, 2006.

8. Except for cursory prospecting beginning in 1953. I have not had prior involvement with the property that is the subject of the Assessment Report. I have undertaken much prospecting and prospect-mining outside the southeast corner of the Kelly Property during the 1950s, 1960s and 1970s.

9. I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not reflected in the Assessment Report, the omission to disclose which makes the Report misleading.

10. At the time of writing this report I maintain a 45% ownership in the formed, but yet to be incorporated Meltan Mining Ltd. Should Meltan Mining Ltd. not be incorporated I will retain a 90% ownership in the "Kelly Property".

Dated this 10th day of January, 2007

M. DeBriske

PROFESSIONAL PROVINCE OF M.J.R. DE BRISKE BRITISH COLUMBIA GEOSCIENTIST

Melvin DeBriske, P.Geo.

can test ltd.

To:

Silver Key Mining Corp.

625 Dickens

Trail, B.C. V1R 2B5

Att'n: Mr. Melvin DeBrishe

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6 • TELEPHONE 254-7278

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSIS CERTIFICATE

Telex 04-54210

File No. 3710E-6

Date Oct. 27/81

Appendix I
Rock Sample Assay Data

We hereby Certify that the following are the results of semi quantitative spectrographic analysis made on ore samples submitted.

		1	2	3	4	5
Aluminum	Al	6.				
Antimony	Sb	ND				
Arsenic	As	TRACE				
Barium	Ba	0.1				
Beryllium	Be	ND				
Bismuth	Bi	ND				
Boron	B	ND				
Cadmium	Cd	ND				
Calcium	Ca	2.				
Chromium	Cr	0.05				
Cobalt	Co	0.01				
Copper	Cu	*	0.65			
Gallium	Ga	ND				
Gold	Au	TRACE	TRACE			
Iron	Fe	2.				
Lead	Pb	0.01				
Magnesium	Mg	2.				
Manganese	Mn	0.1				
Molybdenum	Mo	TRACE				
Niobium	Nb	ND				
Nickel	Ni	0.1				
Potassium	K	2.				
Silicon	Si	MATRIX				
Silver	Ag	TRACE	0.54			
Sodium	Na	2.				
Strontium	Sr	0.05				
Tantalum	Ta	ND				
Thorium	Th	ND				
Tin	Sn	ND				
Titanium	Ti	0.6				
Tungsten	W	ND				
Uranium	U	ND				
Vanadium	V	0.003				
Zinc	Zn	0.1				

Sample Identification

Sample 1: 1 ore

Sample 2:

Sample 3:

Sample 4:

Sample 5:

Percentages of the various elements expressed in these analyses may be considered accurate to within plus or minus 35 to 50% of the amount present.

Semi-quantitative spectrographic analytical results for gold and silver are normally not of a sufficient degree of precision to enable calculation of the true value of ores. Therefore, should exact values be required, it is recommended that these elements be assayed by the conventional Fire Assay Method. Quantitative and Fire Assays may be carried out on the retained pulp samples.

Silicon, aluminum, magnesium, calcium and iron are normal components of complex silicates.

MATRIX – Major constituent
MAJOR – Above normal spectrographic range
TRACE – Detected but minor amounts
N.D. – Not detected
* – Suggest assay (above 0.3%

All results expressed as Percent

Note: Pulps retained one week.

CAN TEST LTD.

Spectroscopist

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

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

ICP CERTIFICATE OF ANALYSIS AK 2006-1675

Meltan Mining Ltd.
625 Dickens Street
Trail, BC

Attention: Melvin DeBriske

No. of samples received: 1
Sample Type: Rock
Project: Kelly
Submitted by: M. DeBriske

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E150301	0.3	2.14	55	330	<5	1.08	2	45	158	184	6.77	20	1.84	696	<1	0.04	192	2630	36	<5	<20	76	0.10	<10	108	<10	13	73

QC DATA:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																													
1	E150301	0.3	2.18	45	335	<5	1.11	2	41	144	177	6.75	20	1.90	712	1	0.04	168	2610	38	5	<20	77	0.10	<10	111	<10	13	76
Standard:																													
Pb106		>30	0.54	275	85	<5	1.61	36	4	40	6273	1.67	<10	0.22	568	32	0.01	7	280	5290	55	<20	134	<0.01	<10	14	<10	1	8443

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Jutta Jealouse
B.C. Certified Assayer

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Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
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ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2006-373

Melvin DeBriske
625 Dickens St.
Trail, BC
V1R 2B5

17-May-06

No. of samples received: 3
Sample type: Rock

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	6455B	<0.03	<0.001
2	6456B	0.07	0.002
3	6457B	0.10	0.003

QC DATA:

		Au (g/t)	Au (oz/t)
Repeat:			
1	6455B	<0.03	<0.001
Resplit:			
1	6455B	<0.03	<0.001
Standard:			
Ox140		1.84	0.054

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/ga
XLS/06

Appendix II

Geochemical Assay Data

17-May-0

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

ICP CERTIFICATE OF ANALYSIS AK 2006-374

Melvin DeBriske
625 Dickens Street
Trail, BC
V1R 2B5

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

No. of samples received: 2
Sample Type: Soil
Submitted by: M. DeBriske

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	100	0.2	2.88	55	228	5	0.52	9	13	30	37	3.71	20	0.31	2283	<1	0.02	27	2060	134	<5	<20	28	0.18	<10	67	<10	34	570
2	101	0.2	2.74	10	110	5	0.70	<1	16	38	29	3.83	20	0.41	911	<1	0.02	27	950	38	<5	<20	30	0.18	<10	78	<10	32	62
QC DATA:																													
Repeat:																													
1	100	0.2	2.86	50	220	<5	0.51	8	14	33	35	3.78	20	0.32	2162	<1	0.02	27	2020	122	<5	<20	28	0.19	<10	69	<10	31	543
Standard:																													
GEO'06		1.6	1.70	60	132	<5	1.71	<1	20	57	86	3.95	<10	0.83	894	<1	0.03	32	660	54	<5	<20	55	0.11	<10	72	<10	11	74

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/ga
df/322b
XLS/06

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9-No

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

ICP CERTIFICATE OF ANALYSIS AK 2006-1676

Meltan Mining Ltd.
625 Dickens Street
Trail, BC

Attention: Melvin DeBriske

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

No. of samples received: 242
Sample Type: Soil
Project: Kelly
Submitted by: M. DeBriske

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	1N	0.2	3.37	40	95	<5	0.15	2	16	29	39	3.70	<10	0.74	698	<1	0.02	23	1260	36	<5	<20	12	0.10	<10	62	<10	6	101
2	2N	0.2	2.64	35	125	<5	0.23	2	17	30	43	3.94	<10	0.71	1208	<1	0.02	19	2410	38	<5	<20	15	0.08	<10	65	<10	5	123
3	3N	0.3	3.30	35	80	<5	0.15	2	16	32	42	3.83	<10	0.91	376	<1	0.02	25	920	32	<5	<20	12	0.11	<10	62	<10	5	104
4	4N	0.2	2.40	30	105	<5	0.24	2	17	40	46	4.45	<10	1.17	755	<1	0.02	24	1550	28	<5	<20	19	0.07	<10	72	<10	5	112
5	5N	<0.2	3.59	40	130	<5	0.14	2	17	30	40	3.58	<10	0.66	932	<1	0.03	22	2170	32	<5	<20	13	0.10	<10	61	<10	7	108
6	6N	<0.2	2.76	35	140	<5	0.34	2	18	35	69	4.30	<10	0.74	775	<1	0.03	21	1770	30	<5	<20	24	0.10	<10	80	<10	4	99
7	7N	0.2	3.23	45	105	<5	0.24	3	35	32	116	5.42	<10	0.69	1221	2	0.03	31	2840	34	<5	<20	16	0.11	<10	109	<10	7	231
8	8N	<0.2	2.56	30	70	<5	0.20	2	17	39	58	4.65	<10	1.35	525	<1	0.02	27	880	28	<5	<20	11	0.08	<10	79	<10	6	93
9	9N	<0.2	2.98	40	95	<5	0.25	2	20	38	46	4.37	<10	1.11	594	<1	0.02	26	1600	30	<5	<20	18	0.09	<10	72	<10	5	115
10	10N	<0.2	2.18	30	160	<5	0.45	2	19	41	50	4.17	10	1.05	475	<1	0.03	28	990	26	<5	<20	39	0.12	<10	81	<10	10	85
11	11N	0.2	3.40	35	140	<5	0.32	2	19	31	77	3.88	10	0.72	688	<1	0.02	24	1490	32	<5	<20	23	0.11	<10	73	<10	9	106
12	12N	0.3	3.16	40	205	<5	0.38	2	16	23	41	3.27	<10	0.43	1019	<1	0.02	18	2940	36	<5	<20	29	0.10	<10	57	<10	4	162
13	13N	0.2	3.32	35	250	<5	0.26	2	14	23	31	3.18	<10	0.55	916	<1	0.03	20	1780	32	<5	<20	21	0.11	<10	55	<10	6	117
14	14N	0.7	3.27	35	170	<5	0.22	2	18	25	46	3.51	<10	0.57	1084	<1	0.03	20	1780	36	<5	<20	23	0.13	<10	61	<10	5	121
15	15N	<0.2	2.87	40	350	<5	0.35	2	19	31	66	3.71	10	0.74	2305	<1	0.02	23	3230	36	<5	<20	33	0.11	<10	65	<10	5	145
16	16N	<0.2	2.67	30	235	<5	0.39	2	17	33	50	3.70	<10	0.79	1210	<1	0.03	22	2010	62	<5	<20	36	0.11	<10	69	<10	5	116
17	17N	<0.2	2.91	35	245	<5	0.24	2	18	30	50	3.72	<10	0.69	1205	<1	0.02	21	2150	36	<5	<20	26	0.12	<10	69	<10	5	107
18	18N	<0.2	2.87	35	160	<5	0.30	2	20	34	60	4.37	10	0.91	922	<1	0.02	23	2200	34	<5	<20	29	0.11	<10	80	<10	7	104
19	19N	0.2	2.42	25	105	<5	0.22	2	23	31	107	3.91	10	0.76	408	<1	0.02	22	900	30	<5	<20	21	0.10	<10	74	<10	9	161
20	20N	0.4	3.57	40	145	<5	0.18	2	19	26	104	3.54	20	0.62	689	<1	0.03	22	1990	34	<5	<20	19	0.14	<10	64	<10	17	103
21	21N	0.3	2.83	35	180	<5	0.27	2	17	30	66	3.89	<10	0.72	785	<1	0.02	24	1550	32	<5	<20	23	0.12	<10	73	<10	8	117
22	22N	<0.2	2.02	30	120	<5	0.44	2	17	32	53	4.20	<10	0.92	533	<1	0.02	19	1270	24	<5	<20	32	0.11	<10	84	<10	6	76
23	23N	<0.2	3.25	35	145	<5	0.23	2	17	28	58	3.77	10	0.74	455	<1	0.03	23	1340	32	<5	<20	19	0.13	<10	71	<10	11	96
24	24N	<0.2	3.33	35	235	<5	0.34	4	17	23	41	3.70	10	0.57	924	<1	0.03	27	1970	34	<5	<20	37	0.14	<10	60	<10	11	180
25	25N	<0.2	3.37	35	290	<5	0.34	2	20	31	51	4.18	20	0.79	1071	<1	0.03	28	2720	44	<5	<20	45	0.13	<10	70	<10	8	136
26	26N	<0.2	3.74	40	375	<5	0.51	2	28	33	86	5.29	20	1.53	504	<1	0.05	34	1550	32	<5	<20	79	0.19	<10	106	<10	10	95
27	27N	<0.2	2.59	30	110	<5	0.40	2	24	46	92	5.32	10	1.11	775	<1	0.03	27	630	28	<5	<20	38	0.17	<10	124	<10	12	111
28	28N	<0.2	2.48	30	140	<5	0.31	2	22	40	74	4.76	10	1.16	532	<1	0.02	29	810	28	<5	<20	30	0.14	<10	101	<10	7	114
29	29N	<0.2	2.20	25	145	<5	0.32	2	20	68	58	4.21	<10	1.31	471	<1	0.02	46	620	28	<5	<20	27	0.14	<10	86	<10	7	111
30	30N	<0.2	2.18	30	165	<5	0.46	2	17	39	49	4.20	10	1.04	474	<1	0.03	28	960	28	<5	<20	39	0.12	<10	81	<10	10	83

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	31N	<0.2	2.71	30	290	<5	0.28	4	22	44	68	4.90	20	1.37	626	<1	0.03	48	1050	30	<5	<20	35	0.14	<10	85	<10	11	217
32	32N	0.2	2.61	40	210	<5	0.20	4	20	44	77	4.96	10	0.98	477	6	0.02	66	1150	34	<5	<20	27	0.11	<10	82	<10	9	313
33	33N	<0.2	3.83	45	205	<5	0.29	3	16	29	46	3.62	10	0.60	525	2	0.03	35	2160	34	<5	<20	30	0.15	<10	61	<10	10	173
34	34N	<0.2	2.86	35	200	<5	0.28	3	23	37	76	4.90	<10	1.00	539	1	0.03	26	1350	34	<5	<20	25	0.15	<10	99	<10	7	176
35	35N	1.1	3.95	50	175	<5	0.65	3	22	67	111	4.46	20	0.72	720	<1	0.04	38	730	44	<5	<20	54	0.15	<10	82	<10	22	108
36	36N	2.1	3.02	35	270	<5	0.41	5	15	27	33	3.07	<10	0.45	963	<1	0.03	36	2890	32	<5	<20	46	0.11	<10	51	<10	5	284
37	37N	1.1	2.91	45	375	<5	0.35	4	22	63	104	5.24	20	1.05	559	3	0.04	60	2470	40	<5	<20	47	0.13	<10	89	<10	6	376
38	38N	0.3	2.79	35	390	<5	0.21	3	19	49	32	3.92	<10	0.76	564	2	0.03	49	3140	38	<5	<20	29	0.14	<10	61	<10	4	261
39	39N	0.2	3.33	40	215	<5	0.22	3	18	36	53	3.98	10	0.76	546	1	0.03	35	2810	32	<5	<20	22	0.12	<10	70	<10	9	200
40	40N	<0.2	2.16	30	210	<5	0.32	3	18	41	53	4.24	10	0.94	453	1	0.02	33	850	26	<5	<20	30	0.12	<10	86	<10	7	166
41	41N	<0.2	3.04	35	335	<5	0.31	3	22	40	57	4.21	10	0.76	963	<1	0.03	40	3020	36	<5	<20	33	0.14	<10	67	<10	7	250
42	42N	0.2	3.70	45	290	<5	0.26	2	25	46	69	4.66	20	1.06	615	<1	0.03	51	1730	36	<5	<20	32	0.19	<10	70	<10	11	210
43	43N	0.2	4.12	50	180	<5	0.24	3	19	28	60	4.08	20	0.64	395	<1	0.04	39	1460	42	<5	<20	30	0.17	<10	60	<10	15	222
44	44N	0.6	3.56	60	255	<5	0.14	6	23	34	81	4.99	20	0.64	732	3	0.03	67	1880	42	<5	<20	21	0.14	<10	66	<10	16	703
45	45N	0.2	2.91	45	300	<5	0.38	4	24	80	78	6.45	20	1.47	581	3	0.04	89	1770	38	<5	<20	79	0.15	<10	91	<10	11	276
46	46N	<0.2	2.57	35	155	<5	0.40	3	25	108	58	4.49	10	1.55	414	<1	0.03	61	500	34	<5	<20	59	0.16	<10	89	<10	10	194
47	47N	0.2	2.52	50	120	<5	0.11	3	19	55	96	6.94	<10	1.03	541	3	0.03	53	1340	40	5	<20	24	0.09	<10	85	<10	10	232
48	48N	0.3	3.36	45	210	<5	0.20	4	19	38	57	4.36	10	0.73	502	2	0.03	51	1820	36	<5	<20	28	0.12	<10	60	<10	13	363
49	49N	0.2	4.02	55	235	<5	0.16	3	17	38	44	3.75	10	0.62	606	<1	0.03	38	4640	38	<5	<20	25	0.14	<10	54	<10	9	198
50	50N	<0.2	2.31	30	165	<5	0.47	2	18	42	51	4.29	10	1.04	486	<1	0.03	29	1000	28	<5	<20	41	0.13	<10	84	<10	10	88
51	51N	<0.2	3.96	45	320	<5	0.55	3	41	276	86	5.36	<10	3.11	805	<1	0.03	192	2180	52	<5	<20	57	0.30	<10	118	<10	4	232
52	52N	0.2	3.14	40	345	<5	0.27	2	28	129	66	4.69	<10	1.77	512	2	0.03	119	1820	38	<5	<20	31	0.15	<10	83	<10	4	195
53	53N	<0.2	3.23	40	175	<5	0.29	3	21	42	54	4.16	<10	0.87	490	<1	0.03	43	1660	46	<5	<20	26	0.13	<10	75	<10	8	236
54	54N	<0.2	2.76	40	225	<5	0.35	3	19	42	40	4.09	<10	0.82	909	<1	0.03	32	2270	56	<5	<20	35	0.12	<10	74	<10	4	168
55	55N	<0.2	3.87	45	240	<5	0.30	3	20	71	41	3.93	<10	0.90	772	<1	0.03	56	3100	36	<5	<20	28	0.17	<10	66	<10	8	204
56	56N	0.2	2.72	35	145	<5	0.35	2	20	51	60	4.51	10	0.84	497	1	0.03	40	1290	34	<5	<20	38	0.11	<10	84	<10	12	206
57	57N	0.2	3.08	40	180	<5	0.34	3	19	49	58	4.56	<10	0.87	733	1	0.03	41	1170	42	<5	<20	35	0.11	<10	78	<10	6	244
58	58N	<0.2	3.74	45	160	<5	0.18	3	17	27	28	3.47	<10	0.48	913	<1	0.03	24	2070	46	<5	<20	15	0.13	<10	56	<10	6	228
59	59N	0.2	3.35	40	210	<5	0.25	2	18	28	51	3.52	<10	0.54	1249	<1	0.02	22	2460	68	<5	<20	24	0.12	<10	61	<10	6	171
60	60N	<0.2	3.47	40	185	<5	0.16	2	18	36	39	4.12	<10	0.64	626	<1	0.02	25	1850	38	<5	<20	14	0.14	<10	77	<10	5	153
61	61N	0.3	3.13	40	150	<5	0.20	2	17	36	36	4.05	10	0.68	539	1	0.03	32	950	46	<5	<20	28	0.12	<10	71	<10	9	194
62	62N	<0.2	3.81	40	170	<5	0.46	2	16	30	28	3.63	10	0.48	974	<1	0.03	24	2230	34	<5	<20	40	0.13	<10	59	<10	9	220
63	63N	0.3	4.38	50	145	<5	0.35	2	15	30	37	3.59	20	0.53	543	<1	0.03	28	1730	44	<5	<20	34	0.15	<10	60	<10	15	135
64	64N	0.3	2.92	40	165	<5	0.86	3	20	41	66	4.22	20	0.77	1241	<1	0.03	33	950	68	<5	<20	69	0.12	<10	79	<10	14	140
65	65N	0.4	3.11	35	195	<5	0.64	2	15	37	49	3.66	10	0.52	471	<1	0.04	28	630	36	<5	<20	65	0.15	<10	58	<10	11	88
66	66N	<0.2	3.64	40	175	<5	0.19	2	16	27	29	3.41	<10	0.42	512	<1	0.03	22	1870	40	<5	<20	22	0.15	<10	56	<10	6	166
67	67N	<0.2	3.47	40	210	<5	0.21	2	18	33	32	3.79	<10	0.61	682	<1	0.03	26	2850	40	<5	<20	22	0.13	<10	65	<10	5	199
68	68N	<0.2	3.41	35	170	<5	0.22	2	27	70	47	4.35	<10	1.71	685	<1	0.02	119	1350	34	<5	<20	21	0.18	<10	78	<10	8	163
69	69N	<0.2	4.17	45	225	<5	0.15	2	16	29	39	3.54	<10	0.49	924	<1	0.03	24	2690	34	<5	<20	21	0.14	<10	63	<10	7	168
70	70N	<0.2	2.30	30	160	<5	0.49	2	18	42	49	4.24	10	1.03	473	<1	0.03	29	990	26	<5	<20	41	0.13	<10	82	<10	10	83

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	71N	8.5	2.73	30	160	<5	0.24	2	18	37	32	3.98	<10	0.73	668	<1	0.02	26	1610	32	<5	<20	22	0.12	<10	75	<10	6	145
72	72N	0.6	3.77	45	230	<5	0.13	3	12	19	33	2.65	<10	0.29	939	<1	0.03	19	3560	32	<5	<20	19	0.14	<10	45	<10	10	178
73	73N	0.2	2.84	40	150	<5	0.26	3	21	55	72	4.61	10	1.12	467	2	0.02	61	1570	32	<5	<20	24	0.12	<10	100	<10	9	188
74	74N-A	0.4	3.79	45	150	<5	0.12	3	16	27	41	3.31	<10	0.42	945	1	0.02	23	4510	34	<5	<20	12	0.13	<10	63	<10	6	206
75	74N-B	0.4	3.64	45	140	<5	0.15	3	17	29	44	3.55	<10	0.56	683	1	0.02	26	2520	38	<5	<20	17	0.13	<10	70	<10	6	212
76	75N-A	0.2	1.66	30	85	<5	0.25	2	16	34	61	4.21	10	0.80	410	1	0.02	23	820	22	<5	<20	30	0.09	<10	84	<10	10	90
77	75N-B N/S																												
78	76N-A	0.3	3.43	35	235	<5	0.23	3	15	26	38	3.71	<10	0.51	718	<1	0.03	22	3870	34	<5	<20	24	0.11	<10	67	<10	4	280
79	76N-B	0.3	3.22	40	130	<5	0.11	2	13	21	24	3.00	<10	0.32	632	<1	0.02	14	4190	48	<5	<20	13	0.12	<10	53	<10	3	186
80	77N	0.4	2.65	35	190	<5	0.21	3	17	45	60	4.13	<10	0.78	742	2	0.02	36	2440	32	<5	<20	22	0.10	<10	89	<10	5	233
81	78N	0.2	2.90	35	160	<5	0.29	3	26	63	78	5.39	<10	0.79	632	2	0.03	41	1380	30	<5	<20	25	0.14	<10	125	<10	9	180
82	79N	0.3	3.12	35	210	<5	0.29	3	21	38	48	4.55	<10	0.62	1169	<1	0.02	26	1740	32	<5	<20	22	0.15	<10	103	<10	6	171
83	80N	<0.2	2.27	30	150	<5	0.33	3	20	45	61	4.58	<10	0.83	593	1	0.02	31	1360	26	<5	<20	27	0.11	<10	103	<10	6	177
84	81N	0.2	2.58	30	120	<5	0.28	2	18	39	55	4.30	<10	0.83	519	<1	0.02	27	1110	26	<5	<20	27	0.12	<10	96	<10	6	154
85	82N	0.4	3.24	40	140	<5	0.21	3	17	39	48	3.81	<10	0.66	522	2	0.02	32	1500	34	<5	<20	20	0.15	<10	83	<10	7	216
86	83N	0.2	2.18	30	115	<5	0.36	2	18	43	56	4.16	<10	0.85	519	1	0.02	29	1270	26	<5	<20	32	0.11	<10	95	<10	6	153
87	84N	0.4	2.75	30	155	<5	0.34	3	21	59	51	4.62	<10	0.87	579	1	0.03	42	1570	28	<5	<20	32	0.11	<10	105	<10	5	256
88	85N	0.4	3.20	35	230	<5	0.20	4	18	66	40	3.33	<10	0.70	780	<1	0.03	54	3420	30	<5	<20	22	0.14	<10	58	<10	7	287
89	86N	0.5	2.62	35	130	<5	0.32	3	21	56	59	4.77	<10	0.85	547	2	0.02	36	930	36	<5	<20	28	0.13	<10	127	<10	6	166
90	87N	0.3	2.42	25	145	<5	0.26	3	19	47	57	4.37	<10	0.81	511	1	0.02	34	1330	26	<5	<20	21	0.12	<10	104	<10	5	170
91	88N	0.2	1.80	25	145	<5	0.26	4	19	51	64	4.21	<10	0.68	504	4	0.02	37	1010	20	<5	<20	27	0.12	<10	107	<10	8	202
92	89N	0.2	2.93	40	160	<5	0.22	3	21	39	67	4.66	<10	0.79	437	3	0.02	30	1240	32	<5	<20	23	0.13	<10	108	<10	5	188
93	90N	0.2	2.24	30	160	<5	0.45	2	18	40	50	4.27	10	1.05	481	<1	0.03	28	970	28	<5	<20	38	0.11	<10	82	<10	10	84
94	91N	0.2	3.96	45	140	<5	0.20	3	16	34	63	3.86	<10	0.60	460	<1	0.03	27	2000	34	<5	<20	20	0.15	<10	78	<10	10	171
95	92N	<0.2	2.55	30	155	<5	0.20	3	15	30	47	3.96	<10	0.75	588	<1	0.02	26	1740	26	<5	<20	25	0.11	<10	88	<10	4	209
96	93N	<0.2	2.37	35	145	<5	0.23	2	17	40	71	5.04	<10	1.15	444	1	0.02	24	600	28	<5	<20	25	0.12	<10	115	<10	6	122
97	94N	0.3	3.08	35	215	<5	0.17	3	14	20	26	2.92	<10	0.36	1062	<1	0.02	16	2390	44	<5	<20	21	0.12	<10	56	<10	3	169
98	95N	0.4	2.60	35	120	<5	0.35	2	20	44	86	5.16	<10	1.32	500	<1	0.03	33	1020	28	<5	<20	43	0.13	<10	112	<10	9	120
99	96N	<0.2	3.05	35	185	<5	0.17	2	16	31	55	4.11	<10	0.73	492	<1	0.02	21	2140	30	<5	<20	22	0.11	<10	81	<10	6	128
100	97N	<0.2	2.62	35	180	<5	0.22	2	20	44	74	4.79	<10	0.97	486	1	0.02	31	1040	30	<5	<20	23	0.13	<10	109	<10	8	143
101	98N	0.2	3.24	40	185	<5	0.16	2	16	34	46	3.82	<10	0.66	603	<1	0.02	25	1960	32	<5	<20	19	0.14	<10	79	<10	8	167
102	99N	<0.2	2.78	35	185	<5	0.24	2	23	57	80	5.28	10	1.16	711	1	0.02	37	960	32	<5	<20	33	0.16	<10	125	<10	10	145
103	100N	<0.2	3.02	30	245	<5	0.25	2	16	48	52	3.76	<10	0.88	348	<1	0.03	32	890	28	<5	<20	30	0.14	<10	85	<10	8	111
104	101N	<0.2	2.85	35	180	<5	0.27	2	19	42	67	4.67	<10	1.00	651	<1	0.02	30	1300	32	<5	<20	31	0.12	<10	106	<10	7	149
105	102N	0.2	3.42	40	180	<5	0.22	3	20	44	68	4.42	10	0.83	471	<1	0.03	33	1380	34	<5	<20	22	0.14	<10	99	<10	11	208
106	103N	<0.2	3.53	40	150	<5	0.15	2	13	22	28	2.79	<10	0.33	666	<1	0.02	16	2650	34	<5	<20	16	0.12	<10	54	<10	4	133
107	104N	0.2	3.52	40	155	<5	0.19	3	18	41	61	4.31	<10	0.81	438	1	0.03	30	1400	32	<5	<20	22	0.14	<10	96	<10	7	170
108	105N	0.3	3.67	40	145	<5	0.32	3	18	39	56	4.15	<10	0.70	524	<1	0.02	29	1820	34	<5	<20	29	0.13	<10	90	<10	8	165
109	106N	0.3	3.25	35	190	<5	0.58	3	21	59	77	4.95	10	1.02	780	<1	0.03	39	910	32	<5	<20	45	0.14	<10	119	<10	19	160
110	107N	0.3	3.10	35	165	<5	0.22	3	18	50	49	4.22	<10	0.75	735	<1	0.02	30	2080	30	<5	<20	19	0.13	<10	96	<10	5	170

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
111	108N	<0.2	2.63	35	180	<5	0.53	3	23	67	71	4.97	<10	1.15	778	1	0.03	40	1100	28	<5	<20	40	0.14	<10	125	<10	11	154
112	109N	0.2	2.50	30	145	<5	0.53	3	21	55	63	4.48	<10	0.96	743	1	0.03	35	990	28	<5	<20	34	0.12	<10	106	<10	13	185
113	110N	<0.2	2.27	30	170	<5	0.47	2	18	40	49	4.19	10	1.05	488	<1	0.03	27	970	28	<5	<20	40	0.13	<10	84	<10	10	83
114	111N	<0.2	2.81	30	160	<5	0.27	3	17	35	45	3.85	<10	0.68	1134	<1	0.02	24	1600	52	<5	<20	21	0.12	<10	94	<10	5	166
115	112N	<0.2	3.21	35	130	<5	0.19	3	19	39	59	4.28	<10	0.77	543	1	0.02	29	1220	28	<5	<20	16	0.16	<10	99	<10	10	146
116	113N	0.2	2.70	35	155	<5	0.37	3	19	50	81	4.94	<10	1.09	533	1	0.02	32	1270	28	<5	<20	25	0.14	<10	121	<10	8	148
117	114N	0.2	3.19	40	155	<5	0.19	3	22	49	68	4.89	<10	0.92	649	2	0.02	36	1330	30	<5	<20	18	0.16	<10	117	<10	12	193
118	115N	0.3	4.23	45	115	<5	0.12	2	13	21	33	2.68	<10	0.29	543	<1	0.03	16	1380	32	<5	<20	11	0.12	<10	54	<10	7	104
119	116N	0.9	4.50	50	125	<5	0.41	4	16	40	57	3.91	10	0.60	561	<1	0.03	32	1700	38	<5	<20	26	0.14	<10	80	<10	18	199
120	0S	<0.2	2.75	35	150	<5	0.20	2	17	30	36	3.82	<10	0.70	1272	<1	0.02	20	2390	32	<5	<20	20	0.07	<10	59	<10	5	134
121	1S	0.2	2.81	35	110	<5	0.38	2	17	37	45	4.12	<10	0.97	572	<1	0.02	28	1680	30	<5	<20	27	0.08	<10	67	<10	6	111
122	2S	<0.2	2.53	35	115	<5	0.19	2	18	39	55	4.46	<10	1.11	651	<1	0.02	24	720	28	<5	<20	24	0.09	<10	72	<10	6	87
123	3S	0.2	3.48	40	170	<5	0.24	2	18	29	42	3.95	<10	0.76	958	<1	0.02	23	2550	32	<5	<20	20	0.11	<10	65	<10	7	110
124	4S	<0.2	3.62	45	245	<5	0.19	2	21	36	66	4.98	<10	1.09	768	<1	0.02	27	1690	36	<5	<20	14	0.10	<10	79	<10	6	123
125	5S	0.3	3.61	45	160	<5	0.14	2	22	39	69	4.73	<10	1.02	707	<1	0.03	29	1620	38	<5	<20	12	0.12	<10	77	<10	9	121
126	6S	<0.2	2.61	40	125	<5	0.16	2	19	40	60	4.87	<10	1.17	597	<1	0.02	24	860	30	<5	<20	18	0.08	<10	83	<10	5	100
127	7S	<0.2	2.90	40	155	<5	0.19	2	19	38	60	4.55	<10	0.97	543	<1	0.02	26	1350	30	<5	<20	19	0.11	<10	77	<10	9	103
128	8S	<0.2	3.04	35	125	<5	0.26	2	19	37	54	4.32	<10	1.02	781	<1	0.02	29	1950	32	<5	<20	25	0.10	<10	74	<10	5	124
129	9S	0.2	2.49	30	100	<5	0.20	2	20	39	51	4.42	<10	1.03	721	<1	0.02	26	1040	28	<5	<20	18	0.09	<10	77	<10	5	106
130	10S	<0.2	2.28	30	160	<5	0.44	2	18	41	51	4.19	10	1.05	472	<1	0.03	28	940	26	<5	<20	41	0.12	<10	83	<10	10	84
131	11S	<0.2	3.20	35	130	<5	0.23	2	18	25	37	4.08	<10	0.78	738	<1	0.03	21	2190	36	<5	<20	21	0.12	<10	65	<10	5	130
132	12S	<0.2	2.60	30	175	<5	0.36	2	22	36	71	4.60	10	1.03	1050	<1	0.03	23	2100	30	<5	<20	33	0.09	<10	85	<10	7	117
133	13S	0.2	2.15	30	120	<5	0.43	2	24	33	71	4.28	10	0.96	1067	<1	0.03	19	1730	28	<5	<20	35	0.08	<10	82	<10	7	96
134	14S	0.2	2.43	30	155	<5	0.45	2	24	36	79	4.40	10	1.01	902	<1	0.03	25	1610	38	<5	<20	36	0.10	<10	89	<10	8	104
135	15S	0.2	2.36	30	120	<5	0.43	2	24	36	86	4.75	<10	1.06	695	<1	0.03	25	1620	28	<5	<20	30	0.10	<10	98	<10	7	95
136	16S	<0.2	2.37	30	115	<5	0.49	2	23	35	99	4.77	10	1.12	719	<1	0.03	27	1450	28	<5	<20	41	0.10	<10	98	<10	10	93
137	17S	<0.2	3.38	35	160	<5	0.32	2	19	29	66	3.94	<10	0.75	595	<1	0.03	24	1820	32	<5	<20	28	0.15	<10	85	<10	7	109
138	18S	<0.2	3.67	40	235	<5	0.24	2	19	28	62	3.97	<10	0.66	786	<1	0.03	23	3380	36	<5	<20	23	0.14	<10	75	<10	8	136
139	19S	<0.2	2.84	35	270	<5	0.38	2	25	43	59	4.73	10	1.01	865	<1	0.03	31	1820	30	<5	<20	43	0.13	<10	92	<10	6	125
140	20S	<0.2	3.26	35	365	<5	0.35	2	19	28	50	3.71	10	0.63	1061	<1	0.03	25	3420	32	<5	<20	37	0.13	<10	64	<10	7	159
141	21S	<0.2	2.64	30	135	<5	0.41	2	21	35	79	4.71	<10	1.06	555	<1	0.03	22	1050	28	<5	<20	33	0.12	<10	102	<10	6	87
142	22S	0.2	3.15	35	485	<5	0.39	4	23	35	56	4.32	<10	0.79	2462	<1	0.03	24	2640	90	5	<20	46	0.12	<10	78	<10	6	191
143	23S	0.3	3.98	40	270	<5	0.38	2	23	31	78	4.45	10	0.81	928	<1	0.03	26	4880	34	<5	<20	33	0.13	<10	82	<10	7	150
144	24S	0.4	3.43	35	215	<5	0.35	2	20	23	57	3.64	<10	0.61	915	<1	0.03	17	4760	32	<5	<20	33	0.11	<10	65	<10	6	122
145	25S	0.2	2.73	35	75	<5	0.54	2	26	36	117	5.14	10	1.19	740	<1	0.03	23	1200	32	<5	<20	30	0.13	<10	121	<10	9	91
146	26S	0.2	2.53	35	100	<5	0.59	2	24	35	102	4.88	10	1.05	828	<1	0.03	24	1330	36	5	<20	37	0.13	<10	111	<10	13	97
147	27S	0.6	4.68	50	75	<5	0.42	1	9	8	21	1.91	10	0.16	324	<1	0.04	16	3790	36	<5	<20	35	0.16	<10	23	<10	12	70
148	28S	<0.2	2.40	30	100	<5	0.26	2	21	24	49	4.45	<10	0.71	671	<1	0.02	24	860	30	<5	<20	22	0.13	<10	71	<10	7	149
149	29S	0.2	2.84	35	80	<5	0.39	2	17	26	80	5.01	<10	1.08	602	<1	0.03	20	680	32	<5	<20	49	0.17	<10	103	<10	14	123
150	30S	0.2	2.35	30	155	<5	0.46	2	17	40	51	4.19	10	1.07	470	<1	0.03	27	1000	26	5	<20	40	0.12	<10	80	<10	9	76

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
151	31S	0.3	2.78	45	135	<5	0.63	3	30	35	94	5.35	10	1.12	1017	2	0.03	29	1340	44	5	<20	49	0.12	<10	95	<10	11	127
152	32S	0.3	2.44	30	130	<5	0.32	2	17	25	48	3.71	<10	0.69	534	<1	0.03	18	1910	28	<5	<20	25	0.11	<10	70	<10	4	137
153	33S	0.3	3.15	35	140	<5	0.36	2	19	22	66	3.99	<10	0.78	467	<1	0.03	17	2660	32	<5	<20	18	0.12	<10	75	<10	5	134
154	34S	0.5	4.08	45	175	<5	0.35	3	14	16	25	2.87	<10	0.31	625	<1	0.03	16	4380	36	<5	<20	29	0.13	<10	44	<10	4	264
155	35S	0.3	2.65	35	175	<5	0.22	2	17	36	54	4.35	10	0.87	362	1	0.03	36	660	32	<5	<20	25	0.13	<10	70	<10	9	181
156	36S	0.4	3.94	45	190	<5	0.16	2	13	17	20	2.62	<10	0.32	665	<1	0.03	22	3250	34	<5	<20	18	0.12	<10	39	<10	4	139
157	37S	0.4	4.40	45	175	<5	0.19	1	15	24	36	3.27	<10	0.56	403	<1	0.03	25	1810	36	<5	<20	21	0.15	<10	56	<10	5	99
158	38S	0.4	3.31	40	210	<5	0.23	2	17	30	41	3.66	<10	0.73	397	<1	0.03	27	1470	34	<5	<20	22	0.15	<10	66	<10	6	139
159	39S	0.2	1.94	10	95	<5	0.28	1	17	29	38	3.58	<10	0.85	392	<1	0.01	21	650	26	<5	<20	15	0.12	<10	88	<10	9	113
160	40S	0.3	2.99	10	145	10	0.20	1	15	21	32	3.00	<10	0.55	478	<1	0.02	19	1650	38	<5	<20	13	0.12	<10	66	<10	13	126
161	41S	0.2	2.03	10	85	<5	0.36	<1	20	30	59	4.19	<10	1.08	530	<1	0.01	21	780	22	<5	<20	20	0.11	<10	108	<10	7	87
162	42S	<0.2	2.21	10	95	<5	0.37	1	21	28	83	4.43	<10	1.22	552	<1	0.01	20	1020	26	<5	<20	23	0.14	<10	116	<10	11	82
163	43S	<0.2	2.41	30	100	<5	0.40	2	18	30	62	4.39	<10	1.01	518	<1	0.03	21	840	26	<5	<20	32	0.12	<10	92	<10	7	90
164	44S	0.2	2.50	35	110	<5	0.34	2	19	33	64	4.33	<10	0.94	494	<1	0.03	28	1400	30	<5	<20	24	0.10	<10	82	<10	7	129
165	45S	<0.2	2.22	30	125	<5	0.57	2	20	51	53	3.99	10	1.17	549	<1	0.03	39	1310	24	<5	<20	47	0.14	<10	84	<10	8	81
166	46S	0.2	2.54	35	170	<5	0.26	2	24	37	59	4.13	10	0.85	628	<1	0.02	32	1170	32	<5	<20	23	0.13	<10	80	<10	9	179
167	47S	0.3	2.42	30	140	<5	0.39	2	19	34	59	4.10	<10	0.93	539	<1	0.03	26	1220	28	<5	<20	31	0.14	<10	84	<10	8	110
168	48S	<0.2	2.02	25	105	<5	0.40	2	17	34	55	4.36	<10	0.99	472	<1	0.02	22	1000	24	<5	<20	28	0.10	<10	97	<10	7	93
169	49S	0.2	2.69	35	150	<5	0.47	2	21	37	67	4.31	10	1.00	711	<1	0.03	28	1520	30	<5	<20	34	0.13	<10	91	<10	10	115
170	50S	0.2	2.44	30	165	<5	0.53	2	18	40	52	4.06	10	1.08	477	<1	0.03	28	970	28	<5	<20	40	0.13	<10	83	<10	10	79
171	51S	0.3	3.20	35	270	<5	0.22	2	17	28	39	3.47	<10	0.57	818	<1	0.03	21	3660	34	<5	<20	21	0.12	<10	60	<10	5	163
172	52S	0.5	3.29	35	145	<5	0.36	3	14	25	24	2.91	<10	0.41	1302	<1	0.03	16	3480	38	<5	<20	31	0.12	<10	49	<10	4	233
173	53S	<0.2	2.43	30	155	<5	0.20	2	17	37	28	3.24	<10	0.69	684	<1	0.02	21	2140	40	<5	<20	19	0.11	<10	65	<10	3	153
174	54S	0.3	3.55	35	155	<5	0.17	1	15	26	23	2.79	<10	0.44	464	<1	0.03	20	2430	30	<5	<20	18	0.14	<10	51	<10	10	120
175	55S	0.5	3.71	40	135	<5	0.31	1	17	39	34	2.98	10	0.56	819	<1	0.03	25	1690	40	<5	<20	27	0.15	<10	66	<10	15	103
176	56S	0.2	2.40	30	165	<5	0.26	2	19	43	38	3.69	<10	0.92	443	<1	0.02	29	1080	28	<5	<20	20	0.12	<10	77	<10	8	97
177	57S	0.3	2.16	35	110	<5	0.65	1	18	77	28	3.60	10	1.02	631	<1	0.03	30	930	24	<5	<20	56	0.13	<10	95	<10	15	59
178	58S	0.3	2.06	25	115	<5	0.35	2	17	35	41	3.71	<10	0.96	471	<1	0.02	23	1350	24	<5	<20	23	0.10	<10	79	<10	7	89
179	59S	0.2	1.99	30	140	<5	0.40	2	15	42	48	3.62	10	0.99	399	<1	0.03	27	1410	22	<5	<20	30	0.11	<10	77	<10	8	70
180	60S	0.2	2.09	30	180	<5	0.42	2	18	56	46	3.68	10	1.14	413	<1	0.03	34	1330	26	<5	<20	32	0.13	<10	85	<10	7	67
181	61S	0.2	2.15	30	185	<5	0.42	2	18	56	47	3.67	10	1.15	414	<1	0.03	34	1330	24	<5	<20	32	0.14	<10	85	<10	7	68
182	62S	0.5	3.33	40	150	<5	0.22	2	16	33	32	3.22	<10	0.52	400	<1	0.03	26	1630	32	<5	<20	19	0.14	<10	64	<10	8	119
183	63S	<0.2	2.04	30	150	<5	0.57	2	18	48	65	4.12	10	1.01	522	1	0.03	38	1340	22	<5	<20	42	0.11	<10	95	<10	10	135
184	64S	0.4	4.15	45	110	<5	0.80	2	15	24	44	3.11	20	0.48	800	<1	0.04	23	1160	34	<5	<20	59	0.15	<10	45	<10	16	133
185	65S	0.5	3.94	45	95	<5	0.72	2	15	34	45	3.82	20	0.50	1095	<1	0.04	20	810	38	<5	<20	57	0.14	<10	55	<10	20	69
186	66S	0.2	2.22	35	110	<5	0.37	3	19	43	81	4.68	<10	1.03	574	2	0.02	34	1340	26	<5	<20	28	0.11	<10	103	<10	9	152
187	67S	0.3	3.01	35	145	<5	0.12	2	15	19	30	2.92	<10	0.36	1137	<1	0.03	14	3540	32	<5	<20	12	0.14	<10	48	<10	7	155
188	68S	0.2	1.96	30	85	<5	0.51	4	22	46	85	5.01	<10	1.17	607	2	0.03	42	1480	26	5	<20	31	0.11	<10	120	<10	11	197
189	69S	<0.2	2.52	35	165	<5	0.33	3	22	37	102	6.14	<10	1.30	817	<1	0.03	22	1600	30	<5	<20	34	0.07	<10	118	<10	12	105
190	70S	0.2	2.27	35	120	<5	0.39	3	21	38	114	6.72	10	1.36	633	<1	0.03	21	1280	28	5	<20	39	0.05	<10	113	<10	23	88

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
191	71S	0.2	2.24	30	165	<5	0.51	2	18	40	52	4.14	10	1.06	464	<1	0.03	28	940	26	<5	<20	43	0.13	<10	85	<10	10	82
192	72S	0.2	2.61	35	190	<5	0.59	3	28	48	101	6.14	10	1.46	1102	<1	0.03	28	1570	30	<5	<20	43	0.08	<10	124	<10	19	92
193	73S	0.8	3.93	50	195	<5	0.36	2	20	46	87	4.55	20	0.73	754	<1	0.03	32	1650	40	<5	<20	36	0.14	<10	86	<10	27	116
194	74S	<0.2	2.53	35	155	<5	0.46	2	20	45	97	4.72	<10	1.09	532	<1	0.03	35	1480	26	<5	<20	32	0.10	<10	101	<10	9	130
195	75S	0.2	2.61	35	100	<5	0.34	2	19	40	62	4.41	<10	0.91	429	<1	0.02	27	1320	26	<5	<20	24	0.12	<10	99	<10	8	137
196	76S	0.4	3.82	45	170	<5	0.17	1	16	24	43	3.33	<10	0.46	601	<1	0.03	19	1730	34	<5	<20	17	0.15	<10	63	<10	8	103
197	77S	0.3	2.84	35	140	<5	0.27	2	18	41	50	4.19	<10	0.78	644	<1	0.02	28	1700	30	<5	<20	21	0.13	<10	93	<10	6	169
198	78S	0.2	2.32	35	120	<5	0.36	2	20	48	69	4.72	<10	1.08	510	<1	0.02	33	1400	28	<5	<20	22	0.12	<10	107	<10	9	132
199	79S	0.2	2.18	30	100	<5	0.46	2	28	34	69	5.16	10	1.10	679	<1	0.03	21	1030	24	<5	<20	30	0.28	<10	146	<10	11	83
200	80S	0.2	2.61	40	175	<5	0.42	4	25	59	87	5.37	<10	1.09	511	2	0.03	45	1330	28	5	<20	26	0.15	<10	141	<10	8	234
201	81S	0.3	2.25	35	115	<5	0.42	3	21	54	89	4.89	<10	1.13	445	2	0.03	42	1010	24	<5	<20	37	0.14	<10	123	<10	8	215
202	82S	0.3	2.87	40	155	<5	0.16	2	13	28	38	3.02	<10	0.49	863	1	0.02	22	2790	76	<5	<20	16	0.14	<10	65	<10	4	172
203	83S	0.3	3.57	45	240	<5	0.22	2	21	47	77	4.79	<10	0.93	429	<1	0.03	34	1090	36	<5	<20	35	0.14	<10	101	<10	8	131
204	84S	0.4	2.87	35	215	<5	0.23	2	18	33	56	3.93	<10	0.76	478	<1	0.03	27	1200	30	<5	<20	22	0.13	<10	78	<10	9	126
205	85S	0.2	2.56	35	180	<5	0.27	2	18	36	61	4.38	<10	0.85	409	1	0.02	27	1140	28	<5	<20	26	0.12	<10	91	<10	7	120
206	86S	0.3	3.28	40	155	<5	0.26	2	19	35	47	3.78	<10	0.59	396	<1	0.02	28	900	34	<5	<20	21	0.18	<10	85	<10	10	119
207	87S	0.5	2.93	40	165	<5	0.22	2	19	35	59	3.98	10	0.68	552	<1	0.02	27	1550	32	<5	<20	21	0.14	<10	82	<10	12	154
208	88S	0.5	3.15	45	265	<5	0.48	4	25	67	126	4.66	30	0.68	905	3	0.02	47	1660	34	5	<20	58	0.12	<10	102	<10	32	200
209	89S	0.5	3.21	40	170	<5	0.36	3	20	40	67	4.22	10	0.74	545	1	0.03	32	870	34	<5	<20	33	0.13	<10	85	<10	15	168
210	90S	<0.2	2.25	30	165	<5	0.51	2	18	41	52	4.21	10	1.06	475	<1	0.03	29	990	26	<5	<20	41	0.13	<10	84	<10	10	84
211	91S	0.3	2.25	30	135	<5	0.39	3	20	55	90	4.90	<10	1.14	500	2	0.02	47	1210	26	<5	<20	27	0.13	<10	120	<10	7	263
212	92S	0.3	2.71	35	165	<5	0.38	3	27	52	93	4.86	<10	0.90	718	2	0.03	35	1410	30	<5	<20	64	0.16	<10	128	<10	10	161
213	101S	0.8	3.09	40	180	<5	0.26	3	19	45	50	4.15	<10	0.62	554	1	0.03	32	1450	34	<5	<20	27	0.13	<10	82	<10	7	225
214	102S	0.8	2.85	40	225	<5	0.47	3	21	41	58	4.17	10	0.65	1440	<1	0.02	31	1880	34	<5	<20	39	0.13	<10	82	<10	10	237
215	103S	0.5	2.52	35	200	<5	0.31	3	20	40	40	4.34	<10	0.68	1095	<1	0.02	27	2490	34	<5	<20	25	0.15	<10	89	<10	5	210
216	104S	0.5	2.85	35	170	<5	0.25	3	21	54	35	4.14	<10	0.72	605	1	0.02	43	1230	32	<5	<20	22	0.15	<10	88	<10	4	228
217	105S	0.4	2.23	30	175	<5	0.35	3	19	50	46	4.23	<10	0.76	724	2	0.02	36	680	30	<5	<20	28	0.14	<10	111	<10	5	241
218	106S	0.5	2.48	35	220	<5	0.34	5	20	42	57	4.22	<10	0.80	1341	2	0.02	35	2600	28	<5	<20	24	0.12	<10	103	<10	6	286
219	107S	0.5	2.10	30	120	<5	0.33	3	13	40	44	3.99	<10	0.57	225	1	0.02	23	440	28	<5	<20	32	0.14	<10	116	<10	5	151
220	108S	0.4	2.36	35	105	<5	0.35	3	23	53	78	4.68	<10	1.00	484	2	0.02	36	670	26	5	<20	36	0.15	<10	125	<10	9	168
221	109S	0.5	3.11	40	125	<5	0.23	2	17	34	44	3.68	<10	0.57	535	1	0.02	27	1660	34	<5	<20	16	0.15	<10	86	<10	5	173
222	110S	0.4	2.10	30	165	<5	0.49	2	19	39	49	4.06	10	1.03	449	<1	0.03	28	950	26	<5	<20	42	0.13	<10	82	<10	10	83
223	111S	0.3	2.48	35	225	<5	0.71	2	24	53	68	4.63	10	0.99	693	2	0.03	35	920	28	5	<20	53	0.14	<10	123	<10	16	131
224	112S	0.5	3.64	45	115	<5	0.51	3	17	32	51	3.46	10	0.54	494	<1	0.03	26	1010	34	<5	<20	35	0.15	<10	78	<10	15	145
225	113S	0.3	2.47	35	145	<5	0.35	4	19	47	64	4.52	<10	0.82	477	2	0.02	41	1270	26	<5	<20	24	0.13	<10	110	<10	6	300
226	114S	0.7	2.97	40	205	<5	0.29	3	18	42	47	4.69	<10	0.61	1008	<1	0.02	26	2570	38	5	<20	27	0.13	<10	102	<10	6	222
227	115S	0.6	2.51	35	210	<5	0.62	2	14	27	29	3.50	<10	0.45	702	<1	0.02	16	2940	34	5	<20	37	0.10	<10	71	<10	3	181
228	116S	0.5	3.16	40	145	<5	1.20	2	16	60	53	3.54	<10	0.81	744	<1	0.02	39	880	32	<5	<20	77	0.09	<10	92	<10	12	135
229	117S	0.6	3.04	35	135	<5	0.74	3	19	42	65	3.76	10	0.63	933	<1	0.03	28	880	32	<5	<20	51	0.11	<10	83	<10	15	199
230	118S	0.5	3.10	40	160	<5	0.78	3	26	61	87	5.22	10	1.16	1373	<1	0.03	37	1540	40	<5	<20	50	0.12	<10	128	<10	19	141

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
231	119S	1.0	3.66	50	135	<5	0.72	2	20	52	61	4.69	10	0.79	556	<1	0.03	30	1080	38	<5	<20	52	0.11	<10	115	<10	17	117
232	120S	0.5	2.53	40	165	<5	0.29	2	16	27	36	3.93	<10	0.52	752	<1	0.02	16	1580	38	<5	<20	20	0.10	<10	82	<10	4	115
233	121S	0.5	3.08	35	145	<5	0.21	2	14	31	43	4.00	<10	0.55	416	1	0.02	19	1990	30	<5	<20	17	0.10	<10	86	<10	4	133
234	122S	0.7	2.76	35	170	<5	0.45	3	21	45	57	4.39	10	0.82	906	1	0.02	33	1040	34	<5	<20	36	0.12	<10	102	<10	14	200
235	123S	0.6	3.02	35	155	<5	0.33	3	15	27	46	3.92	<10	0.50	990	<1	0.02	17	1590	32	<5	<20	28	0.10	<10	83	<10	8	168
236	124S	0.7	2.92	45	165	<5	0.18	4	13	28	26	2.84	<10	0.31	579	2	0.02	19	3250	38	<5	<20	14	0.13	<10	56	<10	4	240
237	125S	0.7	2.95	35	140	<5	0.31	3	16	29	35	3.72	<10	0.46	568	<1	0.03	20	1180	36	<5	<20	26	0.16	<10	80	<10	8	193
238	126S	0.4	3.37	40	130	<5	0.22	2	18	31	44	3.88	<10	0.57	728	<1	0.02	22	2440	34	<5	<20	18	0.14	<10	83	<10	4	184
239	127S	0.5	4.00	50	155	<5	0.38	3	19	50	77	4.39	10	0.72	651	<1	0.03	35	1800	36	<5	<20	33	0.15	<10	99	<10	22	189
240	128S	0.3	2.94	35	125	<5	0.23	3	19	37	51	4.42	<10	0.70	946	1	0.02	27	1310	34	<5	<20	20	0.15	<10	105	<10	4	171
241	129S	0.4	3.13	40	140	<5	0.33	2	18	31	42	3.97	<10	0.58	709	<1	0.02	23	980	32	<5	<20	22	0.14	<10	91	<10	6	136
242	130S	0.3	2.22	30	165	<5	0.53	2	18	39	51	4.14	10	1.04	458	<1	0.03	28	960	26	<5	<20	41	0.14	<10	83	<10	10	83

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	1N	<0.2	3.49	40	100	<5	0.16	2	17	29	40	3.80	<10	0.74	734	<1	0.02	23	1270	36	<5	<20	13	0.11	<10	64	<10	6	102
10	10N	<0.2	2.24	30	160	<5	0.46	2	17	42	50	4.22	10	1.07	477	<1	0.03	28	970	26	<5	<20	40	0.12	<10	83	<10	10	84
19	19N	0.2	2.47	30	105	<5	0.24	2	24	32	108	3.99	10	0.77	413	<1	0.02	23	910	28	<5	<20	24	0.11	<10	76	<10	9	161
28	28N	<0.2	2.56	30	140	<5	0.33	2	22	41	75	4.81	10	1.17	537	<1	0.03	29	780	26	<5	<20	33	0.15	<10	104	<10	7	115
36	36N	1.7	3.05	35	270	<5	0.43	5	16	28	34	3.16	<10	0.47	982	<1	0.03	38	2930	32	<5	<20	46	0.12	<10	53	<10	5	294
45	45N	0.2	2.88	45	295	<5	0.37	4	25	79	76	6.53	20	1.43	579	3	0.04	89	1790	38	5	<20	81	0.15	<10	90	<10	11	273
54	54N	0.2	2.72	40	220	<5	0.37	2	19	42	39	4.07	<10	0.82	903	<1	0.02	32	2230	58	<5	<20	33	0.12	<10	75	<10	4	167
63	63N	0.2	4.42	45	150	<5	0.34	2	16	32	37	3.70	10	0.55	534	<1	0.03	28	1710	44	<5	<20	34	0.16	<10	62	<10	15	139
71	71N	0.3	2.77	30	170	<5	0.24	2	18	37	33	4.03	<10	0.73	743	<1	0.02	26	1710	32	<5	<20	23	0.11	<10	76	<10	6	143
80	77N	0.3	2.75	35	200	<5	0.20	3	17	41	62	4.18	<10	0.79	850	2	0.02	36	2590	32	<5	<20	22	0.10	<10	88	<10	5	237
89	86N	0.2	2.52	35	125	<5	0.31	3	22	55	58	4.71	<10	0.84	543	3	0.02	36	940	36	<5	<20	26	0.12	<10	122	<10	6	166
98	95N	<0.2	2.43	35	115	<5	0.32	2	19	46	83	5.21	<10	1.27	491	<1	0.02	31	1030	28	<5	<20	41	0.11	<10	113	<10	9	116
106	103N	<0.2	3.43	40	145	<5	0.16	2	13	24	28	2.83	<10	0.34	671	<1	0.02	16	2580	34	<5	<20	17	0.13	<10	56	<10	4	138
115	112N	0.2	3.41	35	125	<5	0.20	3	18	39	63	4.28	<10	0.78	547	1	0.03	28	1230	28	<5	<20	17	0.16	<10	102	<10	10	147
124	4S	<0.2	3.69	45	255	<5	0.19	2	21	38	68	5.07	<10	1.09	807	<1	0.03	29	1700	38	<5	<20	14	0.10	<10	82	<10	6	125
133	13S	0.2	2.12	25	120	<5	0.46	2	23	33	68	4.26	10	0.95	1047	<1	0.03	19	1690	28	<5	<20	35	0.08	<10	84	<10	7	94
141	21S	0.2	2.74	35	135	<5	0.42	2	22	38	82	4.89	<10	1.07	570	<1	0.03	23	1070	30	<5	<20	36	0.14	<10	101	<10	6	88
150	30S	0.3	2.09	35	165	<5	0.51	2	21	46	42	4.28	10	1.00	510	<1	0.03	31	1090	36	<5	<20	48	0.17	<10	84	<10	10	82
159	39S	0.2	2.27	30	115	<5	0.33	2	17	31	38	3.62	<10	0.78	402	<1	0.02	21	670	24	<5	<20	25	0.15	<10	78	<10	7	114
168	48S	0.2	2.02	25	105	<5	0.45	2	17	33	56	4.31	<10	0.99	466	<1	0.02	22	1000	24	<5	<20	31	0.12	<10	97	<10	7	94
176	56S	0.2	2.65	30	160	<5	0.29	2	19	42	41	3.67	<10	0.94	451	<1	0.03	29	1140	28	<5	<20	21	0.13	<10	78	<10	8	99
185	65S	0.5	3.70	45	95	<5	0.70	2	15	34	42	3.85	10	0.50	1054	<1	0.04	20	830	40	<5	<20	59	0.15	<10	57	<10	20	72
194	74S	<0.2	2.53	35	150	<5	0.49	2	20	44	95	4.68	<10	1.10	536	1	0.03	34	1460	26	<5	<20	33	0.11	<10	102	<10	9	130
203	83S	0.2	3.74	50	240	<5	0.23	2	21	47	80	4.89	<10	0.97	425	<1	0.03	35	1080	36	<5	<20	36	0.15	<10	104	<10	8	131
211	91S	0.3	2.31	30	140	<5	0.44	3	20	60	92	4.86	<10	1.16	508	3	0.03	47	1240	26	<5	<20	30	0.15	<10	123	<10	8	255
220	108S	0.4	2.57	35	105	<5	0.37	3	23	53	85	4.76	<10	1.04	482	2	0.02	35	670	26	5	<20	35	0.16	<10	128	<10	9	170
229	117S	0.6	3.10	35	140	<5	0.76	3	20	42	66	3.81	10	0.65	963	<1	0.03	29	940	34	<5	<20	52	0.12	<10	85	<10	16	207
238	126S	0.3	3.44	40	135	<5	0.23	2	18	31	44	3.87	<10	0.57	744	<1	0.02	22	2410	32	<5	<20	19	0.14	<10	84	<10	4	181

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Standard:																													
Till 3		1.5	1.05	80	45	<5	0.53	<1	12	60	21	1.98	10	0.52	305	<1	0.03	32	440	30	<5	<20	11	0.06	<10	40	<10	9	38
Till 3		1.4	1.10	85	45	<5	0.54	<1	11	61	21	1.98	10	0.53	305	<1	0.03	32	440	28	<5	<20	11	0.06	<10	40	<10	9	36
Till 3		1.3	1.06	80	45	<5	0.50	<1	12	57	21	1.91	10	0.54	302	<1	0.03	31	420	28	<5	<20	11	0.05	<10	39	<10	9	35
Till 3		1.3	1.06	80	45	<5	0.52	<1	12	58	20	1.89	10	0.54	308	<1	0.03	31	430	28	<5	<20	11	0.05	<10	39	<10	9	35
Till 3		1.5	1.08	85	45	<5	0.48	<1	11	59	22	1.93	10	0.53	301	<1	0.03	32	430	30	<5	<20	11	0.06	<10	40	<10	10	36
Till 3		1.4	1.00	80	45	<5	0.49	<1	11	58	21	1.91	10	0.52	309	<1	0.03	31	440	31	<5	<20	12	0.06	<10	40	<10	9	37

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10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 2006-1778

Meltan Mining Ltd.
625 Dickens Street
Trail, BC

Attention: Melvin DeBriske

No. of samples received: 111
Sample Type: Soil
Project: Kelly
Shipment #: 2
Submitted by: M. DeBriske

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	117N	<0.2	2.54	35	160	<5	0.68	3	24	58	72	4.94	10	1.25	713	4	0.03	50	950	30	<5	<20	42	0.17	<10	136	<10	15	258
2	118N	0.2	2.30	40	165	<5	0.44	4	22	64	101	4.73	<10	1.17	584	8	0.03	70	1330	36	10	<20	37	0.13	<10	109	<10	10	434
3	119N	<0.2	2.23	40	205	<5	0.26	5	23	58	112	5.34	<10	1.08	497	11	0.03	73	1290	30	10	<20	44	0.13	<10	114	<10	11	598
4	120N	<0.2	2.47	35	160	<5	0.24	3	17	53	69	4.83	<10	1.03	374	6	0.03	54	1530	30	<5	<20	30	0.12	<10	110	<10	8	412
5	121N	<0.2	2.61	30	100	<5	0.43	4	21	51	51	4.29	<10	0.93	545	2	0.03	47	1180	32	<5	<20	23	0.17	<10	114	<10	12	392
6	122N	0.3	2.63	25	165	<5	0.80	26	23	56	76	4.77	10	1.11	565	4	0.04	102	700	24	<5	<20	58	0.14	<10	126	<10	25	2209
7	123N	0.7	2.46	35	160	<5	0.65	12	19	47	62	4.32	10	1.08	574	9	0.03	106	1010	24	5	<20	49	0.11	<10	114	<10	17	2028
8	124N	<0.2	3.70	35	120	<5	0.29	3	20	44	46	4.17	<10	0.84	584	3	0.02	42	1360	32	<5	<20	19	0.14	<10	108	<10	10	367
9	200N	0.5	2.75	30	170	<5	0.60	16	21	47	74	4.46	<10	1.03	639	9	0.03	197	790	26	5	<20	49	0.12	<10	112	<10	13	2406
10	201N	0.6	3.32	35	215	<5	0.69	29	19	41	68	4.30	10	0.92	488	6	0.03	218	890	28	<5	<20	63	0.12	<10	99	<10	18	3163
11	202N	0.3	2.81	35	150	<5	0.49	5	18	42	69	4.54	10	0.84	521	7	0.03	84	1060	28	<5	<20	44	0.11	<10	95	<10	14	702
12	203N	0.4	3.21	35	180	<5	0.23	4	14	42	50	4.13	10	0.78	343	6	0.03	50	1500	30	<5	<20	28	0.10	<10	92	<10	8	592
13	204N	2.1	4.13	50	280	<5	0.22	36	21	36	106	4.00	10	0.44	910	9	0.03	190	1860	40	5	<20	44	0.10	<10	71	<10	24	2487
14	205N	<0.2	3.47	30	135	<5	0.25	3	20	47	64	4.63	<10	1.01	466	3	0.02	42	1210	30	<5	<20	23	0.14	<10	114	<10	10	253
15	206N	0.2	4.51	40	95	<5	0.38	2	20	50	65	4.28	10	0.92	415	2	0.02	36	1200	36	<5	<20	24	0.15	<10	104	<10	16	180
16	207N	<0.2	3.87	35	115	<5	0.28	2	20	35	50	4.08	<10	0.82	706	2	0.02	29	1210	32	<5	<20	20	0.14	<10	96	<10	8	175
17	208N	<0.2	3.28	30	160	<5	0.32	2	19	33	38	4.02	<10	0.72	1582	1	0.02	23	2020	30	<5	<20	24	0.11	<10	95	<10	5	162
18	209N	<0.2	3.68	35	105	<5	0.36	2	22	39	63	4.40	<10	0.92	629	2	0.03	30	1530	30	<5	<20	23	0.14	<10	111	<10	10	173
19	210N	<0.2	2.92	25	140	<5	0.57	<1	19	37	46	4.31	10	1.22	473	<1	0.04	29	920	26	<5	<20	43	0.15	<10	87	<10	12	83
20	211N	<0.2	3.97	35	120	<5	0.36	2	21	38	58	4.39	<10	0.94	691	1	0.03	28	1210	32	<5	<20	23	0.16	<10	107	<10	9	143
21	212N	1.4	5.24	40	110	<5	0.67	2	17	42	79	4.00	20	0.80	560	<1	0.04	34	1800	40	<5	<20	43	0.16	<10	87	<10	42	121
22	213N	<0.2	4.01	30	105	<5	0.36	2	19	33	52	4.26	10	0.88	766	<1	0.02	25	1330	32	<5	<20	25	0.15	<10	99	<10	13	123
23	214N	<0.2	4.17	35	125	<5	0.27	1	20	36	64	4.35	<10	0.97	448	<1	0.03	28	1190	32	<5	<20	23	0.16	<10	102	<10	12	113
24	215N	<0.2	4.54	35	190	<5	0.56	1	22	50	71	4.77	10	1.07	621	<1	0.03	36	1380	34	<5	<20	33	0.15	<10	116	<10	14	134
25	216N	<0.2	3.92	30	180	<5	0.40	1	20	41	50	4.30	<10	0.91	936	<1	0.03	28	1460	36	<5	<20	28	0.15	<10	98	<10	8	133

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	217N	<0.2	4.30	35	125	<5	0.37	1	18	31	46	3.87	<10	0.72	555	<1	0.03	24	1510	36	<5	<20	25	0.15	<10	87	<10	10	118
27	218N	0.3	4.39	35	160	<5	0.60	2	22	55	62	4.90	10	1.10	919	1	0.03	35	840	36	<5	<20	45	0.16	<10	124	<10	22	139
28	219N	0.2	4.55	35	145	<5	0.57	2	20	39	41	4.39	<10	0.72	834	<1	0.03	28	1310	40	<5	<20	32	0.16	<10	98	<10	11	208
29	220N	0.5	4.56	35	135	<5	0.83	2	19	60	52	4.31	20	0.81	1231	<1	0.03	30	850	40	<5	<20	44	0.15	<10	105	<10	32	115
30	221N	<0.2	4.49	35	190	<5	0.40	1	18	36	46	4.07	<10	0.75	1344	<1	0.03	26	1700	38	<5	<20	27	0.15	<10	91	<10	13	136
31	222N	<0.2	4.10	35	135	<5	0.36	1	18	35	47	4.20	<10	0.85	566	<1	0.03	24	1370	34	<5	<20	28	0.15	<10	90	<10	8	125
32	223N	<0.2	3.89	35	185	<5	0.36	1	22	40	70	5.24	<10	1.30	747	<1	0.03	27	1060	32	<5	<20	31	0.15	<10	126	<10	6	114
33	224N	0.3	3.79	30	185	<5	0.27	<1	14	28	33	3.20	<10	0.61	711	<1	0.03	20	2400	32	<5	<20	30	0.14	<10	64	<10	6	123
34	225N	<0.2	3.68	35	125	<5	0.30	1	20	40	52	4.46	<10	0.97	611	<1	0.03	25	1660	40	<5	<20	26	0.15	<10	99	<10	7	134
35	226N	<0.2	4.05	35	180	<5	0.40	1	19	36	50	4.35	<10	0.90	791	<1	0.03	24	1910	36	<5	<20	32	0.14	<10	93	<10	7	142
36	227N	<0.2	3.81	35	150	<5	0.28	1	16	25	51	3.58	<10	0.73	464	<1	0.03	19	1250	34	<5	<20	22	0.14	<10	76	<10	8	95
37	228N	<0.2	3.04	30	135	<5	0.35	<1	18	34	75	4.99	<10	1.19	431	<1	0.03	24	830	28	<5	<20	26	0.13	<10	114	<10	9	95
38	229N	<0.2	3.66	35	135	<5	0.27	<1	15	27	50	4.12	<10	0.82	499	<1	0.03	19	1860	32	<5	<20	22	0.13	<10	89	<10	7	110
39	230N	<0.2	2.74	25	145	<5	0.51	<1	18	35	47	4.09	10	1.16	457	<1	0.04	26	910	26	<5	<20	40	0.13	<10	85	<10	12	69
40	231N	<0.2	2.98	30	145	<5	0.37	1	21	37	66	4.70	<10	1.09	536	1	0.03	28	1080	28	<5	<20	24	0.12	<10	110	<10	9	126
41	232N	<0.2	4.30	35	140	<5	0.27	2	20	35	52	3.93	<10	0.73	531	1	0.03	26	1560	38	<5	<20	21	0.15	<10	91	<10	9	145
42	233N	<0.2	4.58	35	110	<5	0.18	2	14	22	29	2.95	<10	0.34	610	<1	0.03	18	2540	38	<5	<20	15	0.15	<10	65	<10	6	129
43	234N	0.2	3.65	35	170	<5	0.21	2	14	16	28	3.03	<10	0.35	826	<1	0.03	16	2660	36	<5	<20	25	0.13	<10	56	<10	5	196
44	235N	<0.2	3.29	30	160	<5	0.31	1	19	38	69	4.82	10	1.12	455	1	0.02	29	1020	30	<5	<20	26	0.13	<10	109	<10	11	146
45	236N	0.3	3.60	30	155	<5	0.38	2	14	20	34	2.94	<10	0.48	1233	<1	0.03	18	2470	52	<5	<20	32	0.12	<10	56	<10	8	129
46	237N	<0.2	3.09	30	140	<5	0.69	1	24	116	68	4.81	10	1.98	527	1	0.04	89	1130	28	<5	<20	56	0.15	<10	102	<10	12	125
47	238N	<0.2	2.72	30	95	<5	0.57	1	20	69	73	5.12	10	1.60	503	1	0.03	48	1040	26	<5	<20	42	0.12	<10	111	<10	14	147
48	239N	<0.2	2.67	30	110	<5	0.50	1	19	52	73	4.88	10	1.26	466	2	0.03	36	1030	24	<5	<20	36	0.12	<10	112	<10	12	159
49	240N	<0.2	2.59	25	110	<5	0.73	<1	21	41	63	4.63	10	1.15	630	2	0.03	26	860	24	<5	<20	41	0.14	<10	113	<10	16	86
50	241N	<0.2	2.75	25	125	<5	0.93	2	26	49	85	5.24	10	1.09	998	2	0.04	35	1330	26	<5	<20	51	0.13	<10	130	<10	18	121
51	242N	<0.2	3.68	35	140	<5	0.38	1	20	49	67	4.99	10	1.11	556	1	0.02	30	1360	32	<5	<20	25	0.14	<10	110	<10	11	116
52	243N	<0.2	3.62	35	130	<5	0.41	<1	22	42	71	5.00	10	1.19	625	<1	0.02	27	1150	34	<5	<20	35	0.14	<10	111	<10	15	99
53	244N	<0.2	2.86	30	90	<5	0.58	<1	20	40	74	5.12	10	1.18	627	<1	0.03	24	1340	26	<5	<20	39	0.12	<10	120	<10	13	83
54	245N	<0.2	2.86	30	90	<5	0.57	<1	20	39	73	4.99	10	1.17	618	<1	0.02	24	1320	26	<5	<20	38	0.11	<10	116	<10	13	78
55	246N	<0.2	3.20	30	95	<5	0.61	<1	23	43	61	5.12	20	1.19	819	<1	0.03	27	1160	30	<5	<20	42	0.13	<10	112	<10	19	94
56	247N	<0.2	3.22	30	175	<5	0.56	<1	22	43	56	4.76	20	1.36	641	<1	0.03	29	1090	30	<5	<20	52	0.14	<10	109	<10	17	80
57	248N	<0.2	2.31	25	135	<5	0.61	<1	19	38	49	4.21	20	1.01	613	<1	0.03	28	1200	24	<5	<20	51	0.13	<10	90	<10	13	68
58	249N	<0.2	2.44	25	115	<5	0.43	2	21	38	52	4.58	10	1.00	650	1	0.03	26	1110	26	<5	<20	30	0.12	<10	97	<10	12	155
59	250N	<0.2	2.68	25	145	<5	0.63	<1	18	38	46	4.31	10	1.21	479	<1	0.04	27	940	26	<5	<20	40	0.13	<10	85	<10	12	68
60	251N	<0.2	2.04	25	75	<5	0.33	<1	17	37	49	4.24	10	1.07	456	1	0.03	31	620	22	<5	<20	25	0.12	<10	89	<10	10	95
61	252N	<0.2	2.47	30	115	<5	0.41	<1	19	31	72	4.51	10	1.15	579	1	0.02	29	1220	26	<5	<20	26	0.10	<10	91	<10	11	97
62	253N	<0.2	2.31	25	115	<5	0.46	<1	19	35	65	4.79	10	1.02	562	1	0.03	21	990	22	<5	<20	32	0.12	<10	102	<10	16	75
63	254N	<0.2	2.12	30	80	<5	0.43	<1	18	27	88	5.39	10	1.02	844	1	0.02	20	1190	22	<5	<20	33	0.08	<10	87	<10	16	79
64	255N	<0.2	1.45	20	70	<5	0.39	<1	9	15	59	3.14	<10	0.72	415	<1	0.02	12	1100	14	<5	<20	24	<0.01	<10	44	<10	14	50
65	256N	<0.2	2.50	25	130	<5	0.95	<1	19	40	40	4.36	20	1.14	669	<1	0.04	23	1310	24	<5	<20	62	0.11	<10	95	<10	14	66

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
66	257N	<0.2	2.33	25	110	<5	0.69	<1	18	33	57	4.28	10	1.07	516	<1	0.03	23	890	22	<5	<20	45	0.11	<10	82	<10	13	75
67	258N	<0.2	2.81	30	115	<5	0.43	<1	23	36	60	4.70	10	1.18	700	<1	0.03	27	970	30	<5	<20	36	0.13	<10	88	<10	12	99
68	259N	<0.2	2.42	20	125	<5	0.26	1	21	31	99	7.02	10	1.06	1361	1	0.03	24	1310	26	<5	<20	24	0.05	<10	87	<10	25	87
69	260N	<0.2	2.54	30	150	<5	0.58	2	21	54	67	5.00	20	1.21	579	3	0.03	41	1520	30	<5	<20	56	0.10	<10	80	<10	13	148
70	261N	<0.2	2.52	30	120	<5	0.53	1	21	52	67	4.71	20	1.27	503	2	0.03	40	1260	26	<5	<20	46	0.10	<10	79	<10	13	124
71	262N	<0.2	3.75	30	160	<5	1.54	<1	35	145	66	4.83	20	3.21	596	<1	0.03	97	2860	34	<5	<20	90	0.25	<10	109	<10	10	96
72	263N	<0.2	3.04	35	145	<5	0.39	1	28	61	88	6.77	20	1.45	1412	4	0.03	45	1310	34	<5	<20	40	0.11	<10	84	<10	26	171
73	264N	<0.2	2.82	30	115	<5	0.28	1	23	33	70	5.64	10	1.15	836	<1	0.03	31	1140	36	<5	<20	25	0.11	<10	72	<10	18	138
74	265N	<0.2	2.60	25	100	<5	0.60	<1	23	44	55	4.68	20	1.25	669	<1	0.04	31	1160	28	<5	<20	44	0.14	<10	98	<10	13	96
75	266N	<0.2	3.21	30	105	<5	0.36	<1	22	35	70	4.21	10	1.14	518	<1	0.03	32	1010	34	<5	<20	30	0.13	<10	81	<10	11	92
76	267N	0.3	2.84	45	155	<5	0.32	2	30	39	84	5.50	20	1.10	853	2	0.03	41	1020	38	<5	<20	37	0.11	<10	67	<10	17	199
77	268N	<0.2	5.71	45	550	<5	1.27	1	34	39	73	6.17	40	1.98	712	<1	0.06	70	2240	42	<5	<20	155	0.14	<10	86	<10	28	157
78	269N	0.3	3.45	45	705	<5	0.40	2	25	74	71	6.33	30	1.60	766	7	0.03	82	1470	40	<5	<20	62	0.14	<10	73	<10	17	226
79	270N	<0.2	2.71	25	150	<5	0.63	<1	19	39	47	4.35	10	1.20	461	<1	0.04	27	940	26	<5	<20	42	0.13	<10	86	<10	12	72
80	271N	<0.2	3.75	25	1965	<5	1.97	<1	34	106	40	5.43	140	4.31	628	<1	0.05	260	4920	42	<5	<20	564	0.22	<10	105	<10	27	174
81	272N	0.2	3.13	40	165	<5	0.25	1	19	38	90	5.81	10	1.11	429	5	0.03	43	1150	36	<5	<20	48	0.12	<10	87	<10	11	177
82	273N	<0.2	3.60	35	225	<5	0.47	2	26	49	85	5.01	20	1.29	561	2	0.03	65	1600	38	<5	<20	46	0.15	<10	80	<10	13	282
83	274N	<0.2	2.57	25	125	<5	0.31	1	18	28	58	4.40	10	0.95	555	2	0.02	29	1070	26	<5	<20	22	0.10	<10	88	<10	10	147
84	275N	<0.2	3.27	30	210	<5	0.42	1	21	31	52	4.38	<10	0.91	994	<1	0.03	25	2020	36	<5	<20	32	0.13	<10	80	<10	8	152
85	276N	<0.2	3.63	35	210	<5	0.34	2	20	29	41	4.20	10	0.79	793	2	0.03	34	2980	36	<5	<20	28	0.13	<10	69	<10	9	174
86	277N	<0.2	3.54	30	180	<5	0.34	2	21	28	53	4.13	10	0.85	556	<1	0.03	31	1500	34	<5	<20	27	0.15	<10	69	<10	13	161
87	278N	<0.2	3.81	35	245	<5	0.58	2	26	45	63	5.04	20	1.20	1249	<1	0.03	36	2680	46	<5	<20	46	0.13	<10	88	<10	9	169
88	300N	<0.2	3.87	35	85	<5	0.28	<1	18	36	51	3.70	<10	0.84	791	<1	0.02	30	1180	38	<5	<20	18	0.13	<10	83	<10	10	75
89	301N	<0.2	4.09	30	95	<5	0.21	<1	18	35	45	3.55	10	0.76	750	<1	0.02	32	1240	38	<5	<20	17	0.14	<10	81	<10	11	70
90	302N	<0.2	4.08	35	75	<5	0.23	<1	17	47	43	3.82	<10	0.88	372	<1	0.02	34	1620	34	<5	<20	12	0.15	<10	94	<10	7	71
91	303N	<0.2	3.54	30	65	<5	0.10	1	11	30	22	3.73	<10	0.46	362	<1	0.02	15	1580	36	<5	<20	8	0.15	<10	78	<10	3	139
92	304N	<0.2	1.88	20	105	<5	0.31	<1	17	33	35	3.44	10	0.76	380	<1	0.02	33	1160	20	<5	<20	12	0.13	<10	86	<10	10	147
93	305N	0.3	3.01	40	90	<5	0.06	2	17	38	101	6.88	<10	0.75	682	3	0.03	36	2620	30	<5	<20	8	0.06	<10	63	<10	8	384
94	306N	0.8	3.69	45	135	<5	0.08	3	25	30	74	4.99	10	0.95	1068	5	0.02	46	1360	36	<5	<20	9	0.09	<10	71	<10	15	532
95	307N	<0.2	3.50	35	135	<5	0.25	1	19	33	54	5.37	10	1.48	1055	3	0.03	29	1380	32	<5	<20	19	0.07	<10	86	<10	14	164
96	308N	<0.2	3.29	30	85	<5	0.20	1	13	33	44	4.50	<10	0.95	748	1	0.02	16	2210	34	<5	<20	11	0.14	<10	92	<10	5	94
97	309N	<0.2	2.78	35	65	<5	0.71	<1	18	61	41	3.89	<10	0.87	1176	<1	0.03	35	620	30	<5	<20	26	0.14	<10	98	<10	11	87
98	310N	<0.2	2.64	25	145	<5	0.58	<1	19	38	47	4.27	10	1.17	446	<1	0.03	26	930	26	<5	<20	40	0.13	<10	82	<10	13	71
99	311N	0.6	3.46	30	80	<5	0.10	<1	9	13	20	2.32	<10	0.16	1696	<1	0.02	7	1990	34	<5	<20	7	0.10	<10	39	<10	5	48
100	400N	<0.2	3.80	30	80	<5	0.18	<1	21	58	59	4.00	10	1.09	393	<1	0.02	40	1390	34	<5	<20	13	0.17	<10	102	<10	13	69
101	401N	0.3	3.07	30	70	<5	0.53	<1	16	45	26	3.59	20	0.61	564	<1	0.03	19	960	32	<5	<20	23	0.15	<10	90	<10	14	74
102	402N	<0.2	2.78	25	95	<5	0.46	<1	17	64	40	3.85	10	0.85	382	<1	0.02	24	1070	28	<5	<20	26	0.13	<10	101	<10	11	65
103	403N	<0.2	2.44	25	115	<5	0.41	4	19	36	47	4.11	10	0.90	575	<1	0.02	76	820	24	<5	<20	24	0.14	<10	98	<10	10	1038
104	404N	<0.2	2.99	30	155	<5	0.59	3	23	52	59	5.01	10	1.27	743	1	0.03	41	920	28	<5	<20	45	0.13	<10	110	<10	14	288
105	405N	0.2	4.04	35	75	<5	0.50	1	17	36	52	4.07	10	0.76	498	<1	0.02	24	820	34	<5	<20	28	0.11	<10	86	<10	16	77

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
106	406N	<0.2	4.03	35	140	<5	0.69	1	27	63	100	6.05	<10	1.71	876	<1	0.03	44	1110	36	<5	<20	35	0.14	<10	143	<10	13	97
107	407N	0.2	2.35	20	55	<5	0.52	<1	18	36	75	4.07	20	0.84	720	<1	0.03	27	770	26	<5	<20	23	0.11	<10	100	<10	17	69
108	408N	<0.2	3.54	30	80	<5	0.20	<1	16	37	51	3.89	10	0.83	371	<1	0.02	24	1260	34	<5	<20	13	0.15	<10	93	<10	9	88
109	409N	<0.2	3.27	30	95	<5	0.35	<1	18	52	47	4.28	10	0.99	485	<1	0.03	33	1000	32	<5	<20	19	0.14	<10	101	<10	11	81
110	410N	<0.2	2.71	25	150	<5	0.61	<1	18	40	48	4.28	20	1.17	453	<1	0.03	27	920	26	<5	<20	44	0.14	<10	85	<10	13	69
111	411N	<0.2	4.94	40	330	<5	0.44	<1	40	99	137	5.35	<10	1.60	1354	<1	0.03	85	1430	40	<5	<20	72	0.17	<10	145	<10	12	89

QC DATA:

Repeat:

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	117N	<0.2	2.96	30	150	<5	0.60	3	22	57	69	4.87	10	1.26	662	3	0.03	47	900	26	<5	<20	37	0.13	<10	125	<10	15	245
10	201N	0.6	3.24	35	200	<5	0.69	29	19	42	68	4.40	10	0.95	483	6	0.03	215	880	28	<5	<20	60	0.12	<10	99	<10	17	3138
19	210N	<0.2	2.81	25	145	<5	0.54	<1	19	37	46	4.34	10	1.23	477	<1	0.03	26	910	26	<5	<20	41	0.14	<10	86	<10	12	69
28	219N	0.3	4.64	35	150	<5	0.49	2	20	40	43	4.35	<10	0.71	867	<1	0.03	29	1340	40	<5	<20	30	0.15	<10	100	<10	11	211
36	227N	<0.2	3.79	35	150	<5	0.29	1	15	23	50	3.52	<10	0.69	472	<1	0.03	18	1320	34	<5	<20	24	0.14	<10	73	<10	8	95
45	236N	0.2	3.32	30	150	<5	0.35	1	19	11	26	2.93	10	0.49	1242	<1	0.03	20	2210	50	<5	<20	38	0.12	<10	154	<10	10	132
54	245N	<0.2	2.79	25	85	<5	0.56	<1	20	39	72	4.97	10	1.14	597	<1	0.02	24	1320	26	<5	<20	39	0.12	<10	115	<10	13	79
63	254N	<0.2	2.15	25	80	<5	0.39	<1	18	29	88	5.30	10	1.02	823	1	0.02	20	1260	22	<5	<20	34	0.09	<10	86	<10	17	80
71	262N	<0.2	3.82	30	170	<5	1.44	1	35	147	69	5.01	20	3.25	607	<1	0.03	99	2870	36	<5	<20	91	0.25	<10	111	<10	11	101
80	271N	<0.2	3.94	25	1960	<5	2.11	<1	34	107	41	5.53	150	4.33	653	<1	0.05	266	5110	44	<5	<20	587	0.20	<10	106	<10	27	179
89	301N	<0.2	3.98	30	90	<5	0.20	<1	17	35	44	3.45	10	0.73	727	<1	0.02	28	1200	36	<5	<20	15	0.14	<10	80	<10	11	68
98	310N	<0.2	2.71	25	155	<5	0.60	<1	18	36	47	4.31	10	1.19	443	<1	0.03	26	910	26	<5	<20	42	0.14	<10	85	<10	13	68
106	406N	<0.2	4.06	40	145	<5	0.78	1	28	64	102	6.12	<10	1.72	895	<1	0.03	46	1150	38	<5	<20	36	0.15	<10	146	<10	13	101

Standard:

	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Till 3	1.5	1.25	80	45	<5	0.56	<1	12	59	21	2.09	10	0.59	313	<1	0.03	32	450	28	<5	<20	12	0.07	<10	38	<10	10	35
Till 3	1.5	1.11	80	40	<5	0.59	<1	11	58	20	2.06	10	0.57	292	<1	0.03	30	450	28	<5	<20	13	0.06	<10	37	<10	9	36
Till 3	1.4	1.15	80	40	<5	0.57	<1	12	60	20	2.02	10	0.59	287	<1	0.03	30	430	28	<5	<20	12	0.06	<10	37	<10	10	36
Till 3	1.5	1.18	80	40	<5	0.57	<1	12	60	21	2.02	10	0.59	301	<1	0.03	31	440	28	<5	<20	12	0.07	<10	38	<10	9	37

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B.C. Certified Assayer

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APPENDIX III

Sample No.	Easting	Northing	Horizon	Depth cm	Soil Characteristics
1N	11466344	5442870			UTM using (NAD 84)
1N	6344E	2870N	B	30	medium brown loam
2N			B	20	medium brown loam
3N	6313E	2781N	B+C	40	medium brown loam
4N			B+C	40	medium brown till
5N	6291E	2697N	B	40	medium brown loam
6N			B	30	medium brown loam
7N			B	30	medium brown loam
8N	6185E	2570N	C	30	medium brown till
9N			C	30	light brown till
Till					Check Sample
11N	6164E	2498N	B	30	light brown loam
12N			B	30	red-brown loam
13N	6085E	2412N	B	30	light-medium brown loam
14N			B	30	light-medium brown loam
15N			B	30	medium brown loam
16N			B	30	light brown loam
17N			B	30	light brown loam
18N	5981E	2209N	B	30	light brown loam
19N	5956E	2159N	B+C	40	light brown loam
20N			B+C	40	light brown loam
21N	5902E	2107N	B+C	40	light brown loam
22N			C	40	light brown loam
23N	5832E	2012N	B	40	cement powder + pebbles
24N			B	40	light brown loam
25N	5835E	1905N	B	30	light brown loam
26N			B	40	light brown loam
27N			B	40	light brown loam
28N	5880E	1770N	B	40	light brown loam
29N			B	40	light brown loam
Till					Check Sample
31N	5891E	1666N	B	40	light-red brown loam
32N	5938E	1662N	B	30	light brown loam
33N	5992E	1632N	B	30	light brown loam
34N	6035E	1603N	B	40	light brown loam
35N	6068E	1572N	B	40	medium brown loam
36N	6088E	1546N	B	40	light red-brown loam
37N	6064E	1500N	B	30	light brown sandy loam
38N			B	30	light brown sandy loam
39N	5994E	1439N	B	30	light brown sandy loam

40N			B+C	40	light brown sandy loam
41N	5980E	1336N	B	40	light brown sandy loam
42N			B	40	light brown sandy loam
43N	5989E	1257N	B	30	medium brown loam
44N			B	30	light brown loam
45N	5965E	1142N	B+C	40	light brown sandy loam
46N			B+C	40	cement color sandy loam
47N	6013E	1065N	B+C	40	cement color sandy loam
48N			B+C	40	light brown loam
49N	6039E	0954N	B	40	light brown loam
Till					Check Sample
51N	6071E	0949N	B+C	30	light brown loam
52N			B+C	40	light brown loam
53N			B	30	light brown loam
54N			B	30	light brown loam
55N	6108E	0770N	B	30	light brown loam
56N			B	30	light brown loam
57N	6215E	0685N	B	30	medium brown loam
58N			B	30	medium brown loam
59N	6284E	0638N	B	30	dark brown loam
60N			B	30	light brown loam
61N	6336E	0549N	B	30	light brown loam
62N			B	30	light brown loam
63N	6405E	0483N	B	30	light brown loam
64N	6440E	0461N	B	30	medium brown dirt
65N	6486E	0444N	B	30	light brown loam
66N			B	30	light brown loam
67N	6581E	0430N	B	30	light brown loam
68N			B	30	medium brown loam
69N	6700E	0420N	B	30	medium brown loam
Till					Check Sample
71N	6700E	0420N	B	30	light brown loam
72N	6756E	0410N	B	30	light brown loam
73N			B	30	light brown loam
74N	6836E	0380N	C	60	light brown loam
75aN	6902E	0364N	B+C	30	light brown loam-till
76aN	7005E	0405N	B	30	light brown loam
76bN			B	20	light brown loam
77N	7087E	0453N	B	25	light brown loam
78N			B+C	30	light brown till
79N	7166E	0500N	B	30	red-brown loam
80N	7196E	0533N	B	30	light brown loam
81N			B	30	light brown loam-soil
82N	7288E	0600N	B	30	light brown loam-soil
83N			B+C	30	light brown loam-till
84N	7350E	0680N	C	30	light brown loam-till

85N	7362E	0740N	B	30	light brown loam
86N	7374E	0774N	B+C	30	light brown soil
87N			B+C	50	light brown soil
88N	7396E	0847N	B+C	30	light brown loam-till
89N			B+C	30	light brown loam-till
Till					Check Sample
91N			B+C	25	light brown loam-till
92N	7485E	0956N	B	30	light brown loam
93N	7478E	1000N	B	30	light brown loam
94N			B	30	light brown loam
95N			C	60	sandy
96N	7537E	1142N	B+C	30	light brown loam-chips
97N			B	30	light brown loam
98N			B	30	light brown loam
99N	7634E	1266N	B+C	30	light brown loam-clay
100N			B+C	30	ight brown loam
101N			B+C	30	light brown loam
102N	7707E	1406N	B+C	30	light brown loam
103N			B	30	medium brown loam
104N			B	30	light brown loam
105N	7738E	1546N	B	30	light brown loam-pebbles
106N			B+C	30	medium brown pebble-till
107N			B	30	light brown loam
108N			C	30	light brown till
109N	7794E	1737N	C	30	light brown till
Till					Check Sample
111N			B+C	30	light brown loam-pebbles
112N			B+C	30	medium brown loam-pebbles
113N			B+C	30	light brown loam-till
114N	7847E	1927N	B	30	medium brown loam
115N			B	30	medium brown loam
116N	7867E	2043N	B	30	dark, rusty-brown loam
117N			B+C	60	medium brown soil
118N			B+C	60	yellow brown soil
119N	7896E	2331N	C	60	yellow brown sandy loam
120N			C	100	yellow brown sandy loam
121N			C	30	yellow brown loam
122N	7883E	2628N	C	40	medium brown pebble till
123N			C	40	medium brown till
124N	7788E	2807N	B	40	red yellow brown loam
200N	7787E	2729N	B	40	yellow brown loam
201N			B	40	medium brown loam
202N	7832E	2539N	B	40	yellow brown loam
203N			B	40	red-yellow brown loam

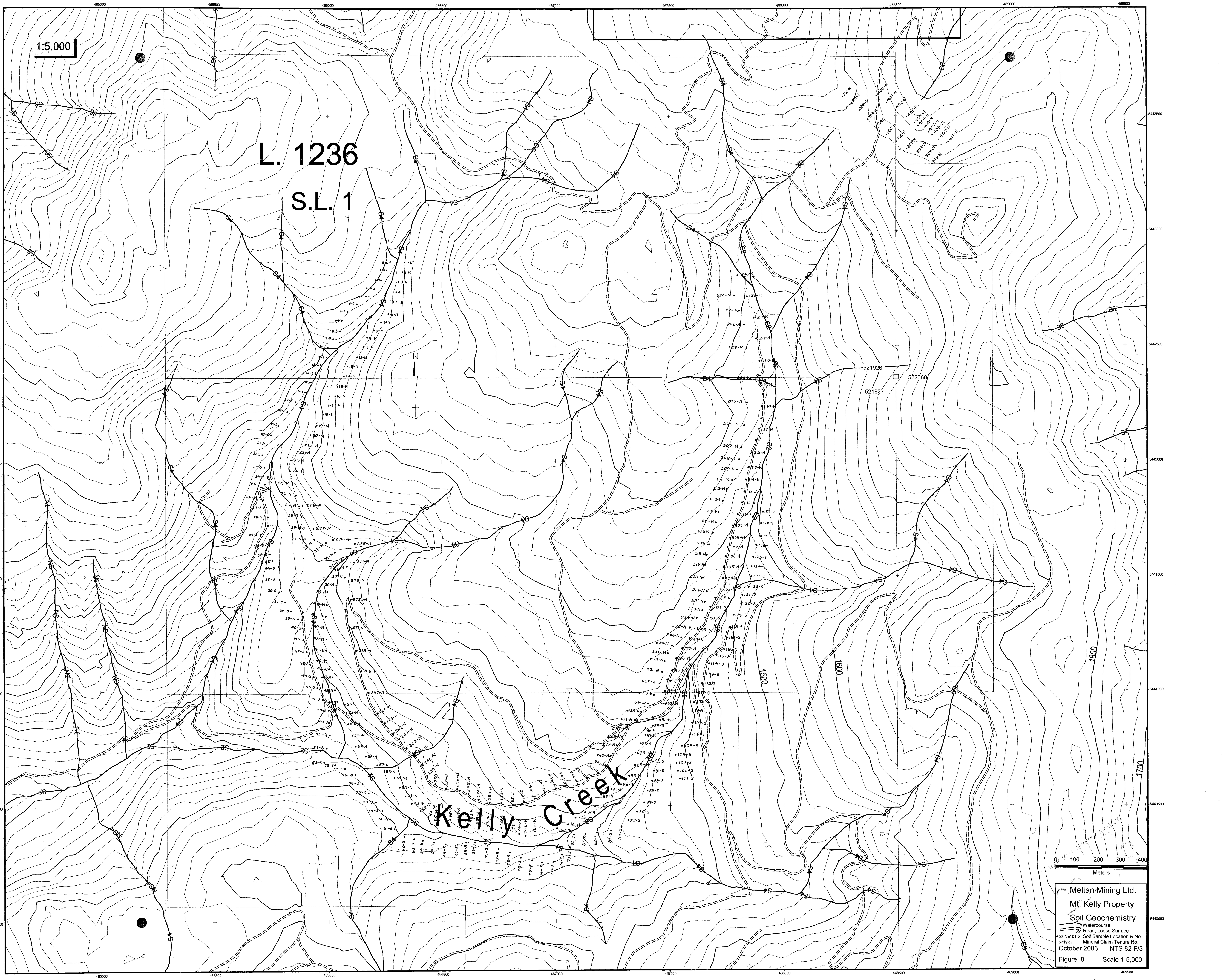
204N	7860E	2352N	B	40	medium brown loam
205N			B	80	yellow brown loam
206N			B	80	yellow brown loam
207N	7821E	2056N	B	50	medium brown loam
208N			B+C	30	light brown sandy loam
209N	7798E	1966N	B	40	reddish brown loam
Till					Check Sample
211N			B	60	light brown loam
212N	7755E	1878N	B	40	medium brown loam
213N			B	30	reddish brown loam
214N	7720E	1779N	B	80	light brown loam
215N			B	30	medium brown loam
216N			B+C	60	light brown loam
217N	7674E	1640N	B+C	40	light brown loam
218N			C	40	light brown sand-gravel
219N	7656E	1533N	B	30	medium brown loam
220N	7650E	1487N	B	40	medium brown loam
221N	7663E	1433N	B	30	light brown loam
222N			B	30	light brown loam
223N	7631E	1342N	C	30	light brown sand + gravel
224N	7620E	1312N	B	30	light brown loam
225N			B	30	light brown loam
226N	7562E	1236N	B	30	light brown loam
227N	7511E	1189N	B	30	light brown loam
228N			C	80	light brown sand-gravel
229N	7484E	1125N	B	40	light brown loam
Till					Check Sample
231N			B+C	40	light brown sand-pebbles
232N	7458E	1031N	B	30	medium brown loam
233N			B	30	medium brown loam
234N			B	30	medium brown loam
235N	7380E	0887N	C	50	light brown sand + pebbles
236N			B+C	100	medium brown loam
237N			C	100	light brown sandy gravel
238N	7295E	0809N	C	100	light brown sandy gravel
239N			C	100	medium brown sandy gravel
240N			C	100	medium brown sandy gravel
241N			C	50	light brown sandy gravel
242N	7188E	0636N	B	50	cemented rusty brown sand-pebbles
243N			B	100	yellow brown sandy loam
244N			B	100	yellow brown sandy loam
245N	7045E	0590N	C	100	light brown sandy loam
246N			C	100	medium brown sand + pebbles
247N			C	100	yellow brown sand + pebbles
248N	6595E	0515N	C	100	light brown sand + pebbles
249N			C	100	light brown sand + pebbles

Till					Check Sample
251N			C	100	light brown sand + pebbles
252N			C	100	light brown sand + pebbles
253N	6710E	0510N	C	100	yellow brown powdery sand
254N			C	100	rusty sandstone
255N			C	100	light brown sand
256N	6565E	0591N	C	100	light + rusty consolidated sand
257N			C	100	light brown sand
258N			C	100	light brown sand
259N	6433E	0645N	C	100	rusty brown sand
260N			C	100	grey + medium brown sand-gravel
261N			C	100	grey sandy gravel
262N	6330E	0754N	C	100	grey + oxidized sandstone
263N			C	100	yellow brown sand
264N			C	100	yellow brown sand
265N			C	100	yellow brown clay-sand
266N	6205E	0895N	C	100	yellow brown clay-sand
267N	6171E	0995N	C	100	yellow brown sand
268N	6143E	1089N	C	100	medium brown sandstone
269N			C	200	yellow brown sandstone
Till					Check Sample
271N	6081E	1283N	C	100	yellow brown sandstone
272N	6084E	1415N	C	40	yellow brown sand
273N			C	100	yellow brown sand
274N	6119E	1568N	C	100	yellow brown sand
275N	6118E	1645N	B	80	medium brown loam
276N			B	80	medium brown loam
277N	5939E	1712N	C	80	yellow brown loam
278N	5885E	1819N	C	30	brown sandy loam
300N	8269E	3584N	B	40	medium brown loam
301N	8309E	3564N	B	40	light brown loam
302N	8343E	3523N	B	30	red brown loam
303N			B	20	red brown loam
304N	8421E	3457N	C	100	light brown sand
305N			B	40	red brown loam
306N	8496E	3433N	B	40	red brown loam
307N	8550E	3364N	B	40	red brown loam
308N			B	100	medium brown loam
309N	8628E	1316N	A+B	20	dark brown loam
Till					Check Sample
311N	8659E	3289N	B	40	dull brown loam
400N	8419E	3586N	C	100	yellow brown loam
401N	8460E	3560N	B	40	yellow brown loam
402N			B	40	yellow brown sandy loam

403N	8546E	3496N	B	40	yellow brown loam
404N			B	40	dark brown loam
405N	8596E	3459N	B	40	dark brown loam
406N			B	40	red brown loam
407N	8644E	3430N	A+B	40	dark brown loam
408N			B	30	yellow brown loam
409N	8688E	3400N	B	30	red + yellow brown loam
Till					Check Sample
411N	8733E	3387N	B	40	red + yellow brown pebble-sand-loam
0S	6250E	2890N	B	20	dark brown loam
1S			B	40	light brown loam
2S			B+C	60	cement colored loam
3S			B	60	light brown loam
4S	6172E	2722N	B	30	light brown loam
5S			B	60	light brown loam
6S	6109E	2665N	B+C	60	light brown loam-till
7S			B+C	60	light brown loam-till
8S	6063E	2567N	B	30	light brown loam-till
9S	6036E	2535N	B	30	light brown loam
Till					Check Sample
11S	6000E	2495N	B	30	light brown loam
12S	5973E	2458N	B	20	light brown sandy loam
13S			B+C	30	gray loam-soil
14S			B+C	30	gray brown loam-soil
15S	5913E	2342N	C	100	light brown till
16S			C	40	yellow gray washed till
17S	5820E	2232N	B	30	red brown loam
18S	5796E	2224N	B	30	medium brown loam
19S	5782E	2158N	B	30	medium brown sandy loam
20S			B	30	medium brown loam
21S	5721E	2097N	C	40	pale colored sand
22S	5710E	2056N	B	30	red brown loam
23S	5730E	1992N	B	30	red brown loam
24S	5731E	1963N	B	30	red brown loam
25S			B+C	30	light brown sandy gravel
26S	5709E	1852N	C	100	cement colored gravelly till
27S	5729E	1768N	C	30	pale yellow loam
28S			B+C	40	light brown sandy loam
29S			B+C	40	light brown sandy loam
Till					Check Sample
31S			B+C	30	light brown clay loam
32S			B	30	light brown loam
33S	5776E	1574N	B	30	light brown loam
34S	5773E	1548N	B	30	medium brown loam
35S	5790E	1498N	B	40	light brown loan

36S	5782E	1425N	B	40	medium brown loam
37S	5790E	1388N	B	30	light brown loam
38S	5835E	1356N	B	30	light brown loam
39S	5871E	1325N	B	40	light brown loam
40S	5893E	1286N	B	40	light brown loam
41S			B+C	40	gray brown sandy loam
42S			B+C	40	gray brown powdery sand
43S	5924E	1124N	B+C	40	gray brown sand
44S			B+C	40	light brown sandy loam
45S	5967E	0993N	B+C	40	gray brown sandy loam
46S			B	40	medium brown loam
47S	5992E	0839N	B+C	40	light brown sandy loam
48S			C	40	gray brown fine sand
49S	6023E	0823N	B+C	10	medium brown soil
Till					Check Sample
51S	5986E	0758N	B	30	medium brown loam
52S	5966E	0710N	B	30	medium brown loam
53S	6008E	0700N	B	40	dark brown loam
54S			B	40	dark brown loam
55S	6078E	0624N	B	100	medium brown loam
56S			B+C	100	yellow brown sandy loam
57S	6153E	0555N	C	100	yellow gray sand
58S			C	100	yellow brown sand
59S	6228E	0501N	B+C	100	yellow brown sandy loam
60S			B+C	100	yellow brown sandy loam
61S	6292E	0410N	B	100	red brown loam
62S	6332E	0377N	B+C	80	medium brown sandy loam
63S			B	80	red brown loam
64S	6411E	0332N	B	60	red brown loam
65S	6466E	0333N	B	200	medium brown sandy loam
66S	6518E	0331N	B	80	medium brown sandy loam
67S			C	100	gray washed sandy till
68S			B	80	light brown loam
69S	6666E	0356N	C	100	light brown sandy loam
Till					Check Sample
71S			C	100	light brown sand
72S	6765E	0315N	A+C	100	light brown sandy loam
73S			B	100	medium brown loam
74S	6847E	0277N	B+C	80	medium brown sandy loam
75S	6891E	0281N	B+C	80	medium brown sandy loam
76S	6941E	0260N	B	80	medium brown loam
77S	6994E	0286N	B	80	medium brown loam
78S	7026E	0293N	C	80	light yellow fine sand
79S			C	100	light yellow washed sand
80S	7090E	0345N	C	80	light yellow washed sand
81S	7129E	0359N	C	100	light yellow washed sand

82S	7180E	0385N	B	30	light yellow loam
83S	7241E	0395N	B	30	light yellow loam
84S			B	30	light brown loam
85S	7321E	0438N	B	60	light yellow loam
86S			B	40	yellowish brown loam
87S	7386E	0575N	B	40	yellowish brown loam
88S			B	40	medium brown loam
89S	7409E	0618N	B	40	medium brown loam
Till					Check Sample
91S	7431E	0652N	C	60	greenish yellow washed sand
92S	7425E	0694N	B+C	40	medium brown sandy loam
N/S					Sampling Line Offset
101S	7545E	0617N	B	30	red brown loam
102S	7528E	0628N	B	30	red brown loam
103S			B	30	red brown loam
104S	7525E	0721N	B	30	red brown loam
105S			B	30	red brown loam
106S	7578E	0803N	B+C	30	medium brown sandy loam
107S			A+B	30	medium brown loam + humus
108S	7575E	0901N	C	100	light brown sandy till
109S			C	30	light brown sandy till
Till					Check Sample
111S	Road	Bank	B+C	20	light brown sandy loam
112S	Road	Bank	B	20	light brown loam
113S			B	20	light brown loam
114S	Road	Bank	B	20	light brown loam
115S	Road	Bank	B	60	medium brown loam
116S	Road	Bank	B	60	dark brown loam
117S	Road	Bank	B	60	dark brown loam
118S	Road	Bank	B	60	medium brown loam
119S	7786E	1327N	B	60	medium brown loam
120S	7820E	1380N	B	60	medium brown loam
121S	7823E	1420N	B+C	30	medium brown loam + grit
122S			A+C	30	medium brown loam + grit
123S	7861E	1500N	B	20	dark brown loam
124S			B	20	medium brown loam
125S	7876E	1583N	B	40	medium brown loam
126S			B	20	medium brown loam
127S	7896E	1676N	B	40	medium brown loam
128S			B	40	medium brown loam
129S	7917E	1784N	B	40	medium brown loam



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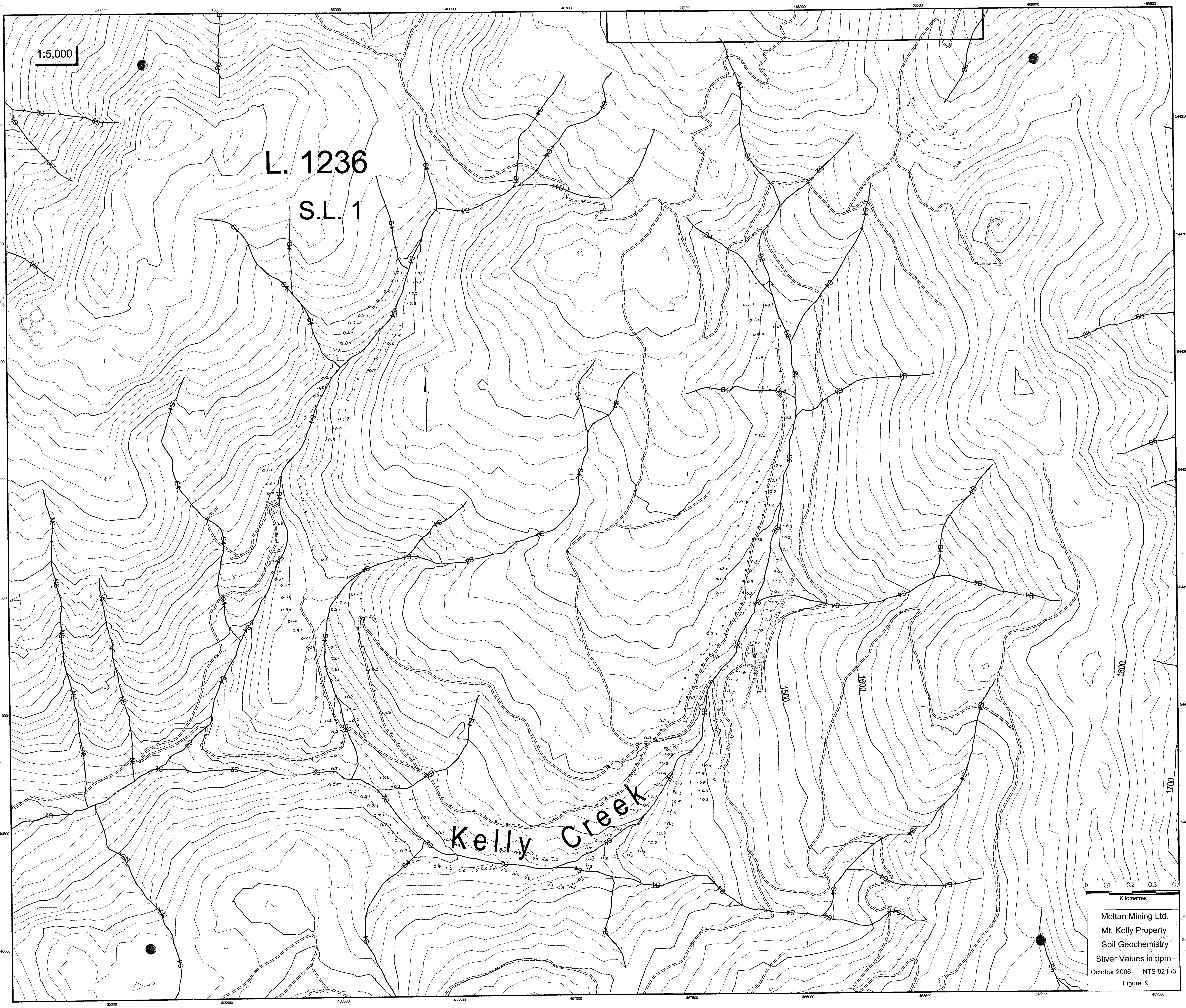
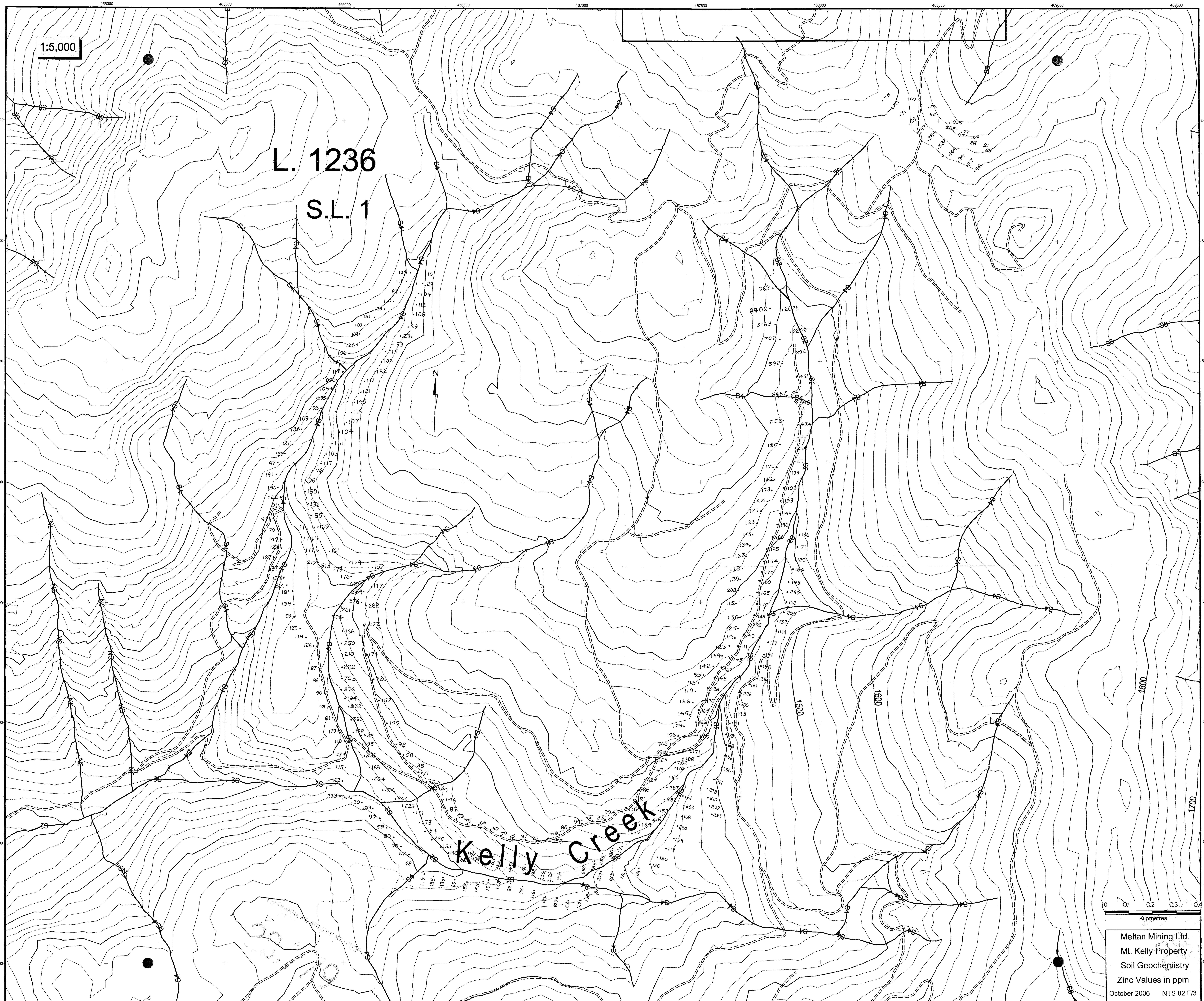
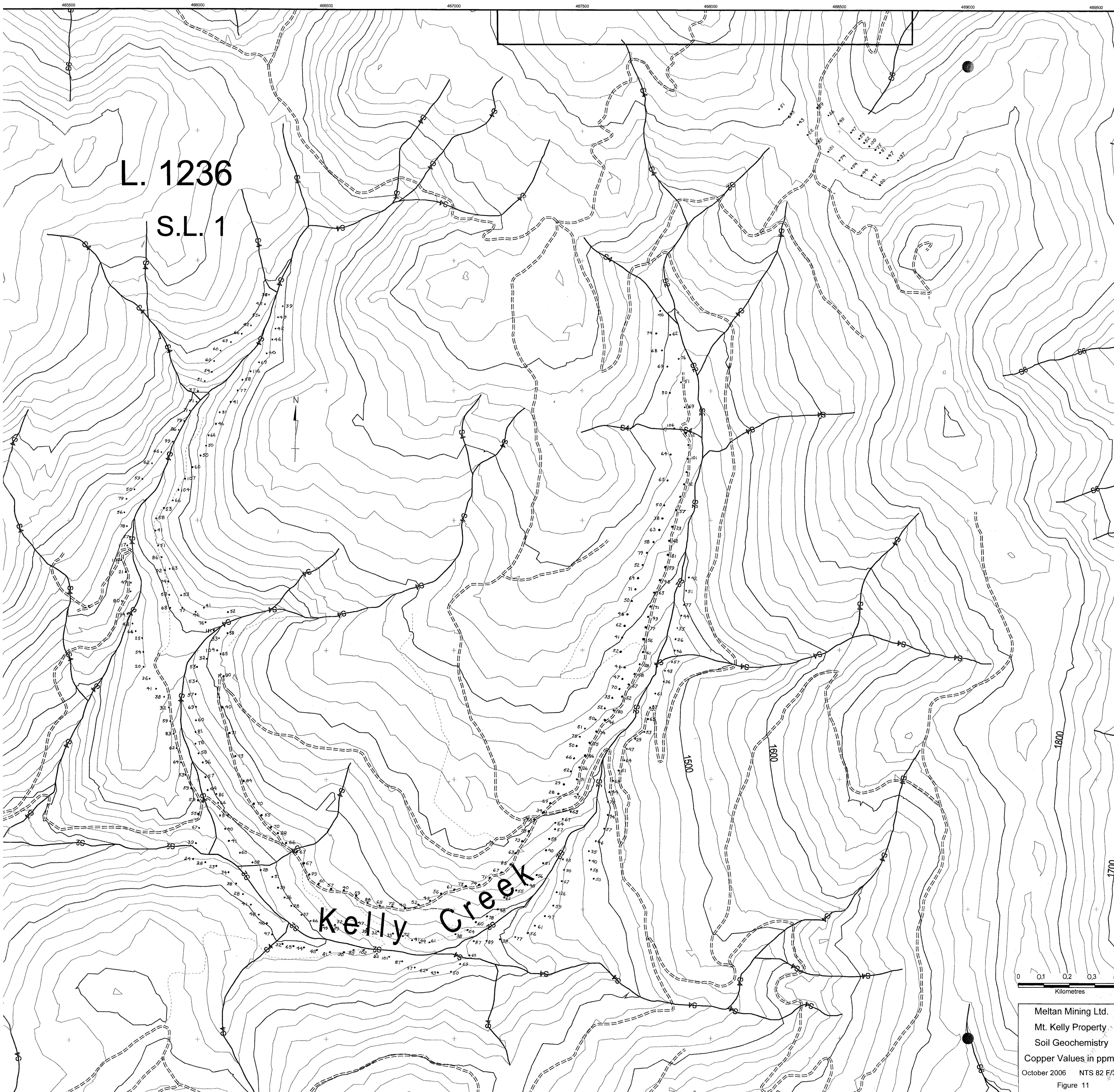
L. 1236
S.L. 1
Kelly Creek
521926
521927
522360
1500
1600
1700
1800
0 100 200 300 400
Meters
Meltan Mining Ltd.
Mt. Kelly Property
Soil Geochemistry
Watercourse
Road, Loose Surface
52-N●101-S Soil Sample Location & No.
521926 Mineral Claim Tenure No.
October 2006 NTS 82 F/3
Figure 8 Scale 1:5,000



Meltan Mining Ltd.
Mt. Kelly Property
Soil Geochemistry
Silver Values in ppm
October 2006 NTS 82 F/3
Figure 9



1:5,000
L. 1236
S.L. 1
Kelly Creek
N
1500
1600
1700
1800
0 0.1 0.2 0.3 0.4
Kilometres
Meltan Mining Ltd.
Mt. Kelly Property
Soil Geochemistry
Zinc Values in ppm
October 2006 NTS 82 F/3
Figure 10


L. 1236
S.L. 1
Kelly Creek
1500
1600
1700
1800
0 0.1 0.2 0.3 0.4
Kilometres
Meltan Mining Ltd.
Mt. Kelly Property
Soil Geochemistry
Copper Values in ppm
October 2006 NTS 82 F/3
Figure 11