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**ASSESSMENT REPORT
GEOLOGICAL AND GEOCHEMICAL PROGRAM
AND
DIGITIZATION OF GEOTECHNICAL DATABASE
TILlicUM GOLD PROPERTY**

**ARROW LAKES AREA, SLOCAN MINING DIVISION
BRITISH COLUMBIA**

FOR

**OWNER: 1330275 ONTARIO LIMITED
(a wholly-owned subsidiary of Mustang Minerals Corporation)**

**NTS: 82F/13E&W, 82K/4E&W
49 57.5' - 50 01.3' North
117 41.0' - 117 47.5' West**

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April 22, 2002

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**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

26,847

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1. INTRODUCTION

1.1 INTRODUCTORY STATEMENT AND TERMS OF REFERENCE

This report, commissioned by the management of **Mustang Minerals Corporation** ("Mustang"), documents the results of 2001 assessment work undertaken on the Tillicum gold property on behalf of 1330275 Ontario Limited, a wholly-owned subsidiary of Mustang Minerals Corporation.

Work completed between early July and early October included an exhaustive re-examination of the extensive geotechnical information derived from exploratory and development work on the Tillicum property between 1980 and 1996. Much of the available data was digitized to facilitate further understanding of the structural and geological relationships within and between the known gold-bearing zones. The various mineralized lenses have been examined in relationship to their regional structural setting and three dimensional modelling of two of the lenses was undertaken to gain a better understanding of their detailed structural setting.

Field work undertaken in 2001 included the collection of a number of stream sediment, soil and rock samples from selected areas of the property as part of an orientation survey to establish a reference base for future, more extensive surveys. Samples collected were analyzed for a number of elements including indicator or pathfinder elements. Most of the earlier work involved analyses for gold only, although some of the later, deposit specific work included analyses for silver, copper and lead.

Field work also included a survey of the access road to the property and determination of precise locations of several features in the area of the principal workings. An inspection of camps and equipment on site was undertaken and geological examinations of several of the known mineralized zones in the central and southeastern property area were completed.

Previous exploration work and limited mining operations were mainly site specific. Geotechnical studies did not evaluate the mineralized areas in a regional context and provided only limited information regarding their structural relationships relative to their geological settings.

The purpose of the field orientation surveys and the geotechnical data analyses was to assess the potential of the known mineralized zones, as well as the broader property potential.

1.2 LOCATION AND ACCESS

The Tillicum gold property is comprised of a large block of mineral claims situated 60 km northwest of Nelson in southeastern British Columbia (Figure 1). The claim block, roughly centred on Tillicum Mountain covers an area of 3,900 hectares between Caribou and Snow Creeks. It is located between eight and 15 km east of the small community of Burton on the east shore of Lower Arrow Lake (Figure 2).

Access to the property is by way of logging and mining roads extending up the south side of Caribou Creek to a former exploration camp site near the headwaters of Londonderry Creek (Figures 3 and 5). Four-wheel drive vehicles are required to negotiate the steep access road to the principal Tillicum workings near the summit of Tillicum Mountain. Total road distance from Burton is approximately 17 km.

Burton, on provincial highway 6, offers limited services; Nakusp, a larger community some 35 km north, offers most supplies and services required for exploration work.



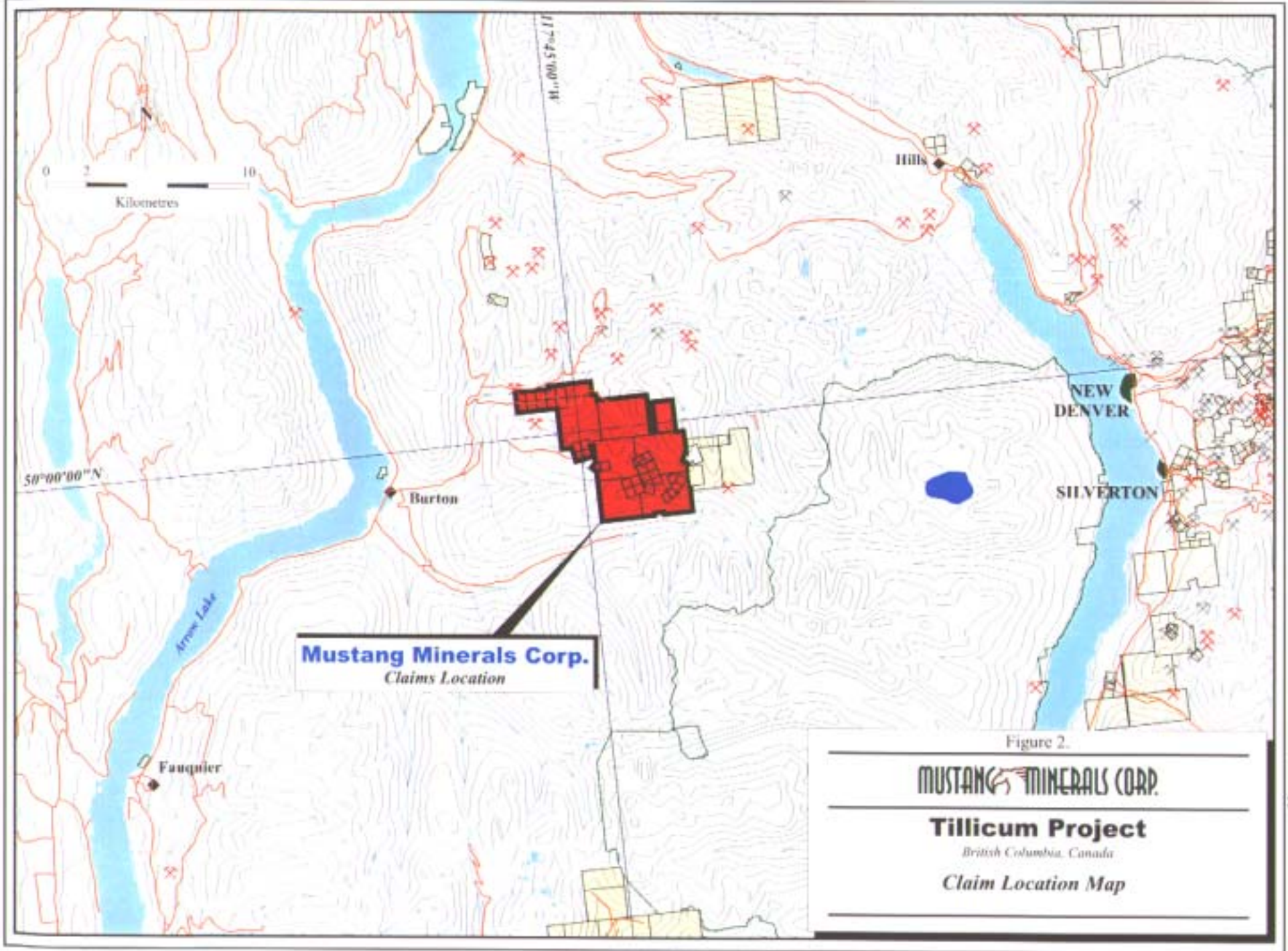
Figure 1.

MUSTANG MINERALS CORP.

Tillicum Project

British Columbia, Canada

Property Location Map



1.3 MINERAL PROPERTY

The Tillicum property consists of 28 two-post mineral claims, 9 four-post mineral claims, one Mining Lease and five full and fractional Crown granted mineral claims. The recorded mineral claims and Mining Lease consist of 159 mineral claim units. All of the recorded claims and Crown granted claims are contiguous and many of the two-post mineral claims (and Crown granted claims) are included within the larger TIL #1 to #4 four-post claims.

Locations of the various mineral claims, which are the subject of this report, are shown on Figure 3 and shown on Table 1.

1.4 PREVIOUS WORK

Records of previous work in the area of Tillicum Mountain are summarized from various information sources including B.C. Minister of Mines Annual Reports, assessment reports, internal company documents including a report by Handfield and Glanville (2000) and trade publications. Mr. George Addie, P.Eng., who followed the progress of exploration and development work in the 1980s and was directly involved with 1996 work on the property, also provided much useful information.

The history of mining-related activities in the Burton area dates back to the turn of the last century when a number of placer gold operations were underway along Caribou Creek. Several precious metals lode deposits throughout the general area were also investigated between 1896 and 1930 (Addie, 1997). One of these, referred to as the Tillicum group and thought to be in the vicinity of Tillicum Mountain, was explored by limited underground drifting between 1917 and 1921. Some 3.6 tonnes of material stockpiled (and shipped?) in 1921 reportedly had values of \$40 per ton gold and \$100 per ton silver (Minister of Mines Annual Report 1921, p.174). At 1921 metal prices, this material would have contained grades of 66 g Au/t and 5442 g Ag/t.

**TABLE 1
RECORDED MINERAL CLAIMS**

Claim Name	Units	Record Number	Date of Record
Mining Lease	2	320414	January 23, 1996
Golden Hope	1	255530	August 8, 1978
Black Bear	1	255531	August 8, 1978
Little Joe, Molly Fr.	1	255532	August 8, 1978
Molly	1	255533	August 8, 1978
Sandy Too #1	1	255654	August 25, 1979
Sandy Too #2	1	255655	August 25, 1979
Sandy Too #3	1	255656	August 25, 1979
Near #1	1	255657	August 25, 1979
Near #2	1	255658	August 25, 1979
Near #3	1	255659	August 25, 1979
Near #4	1	255660	August 25, 1979
Near #5	1	255661	August 25, 1979
Near #6	1	255662	August 25, 1979
Near #7	1	255663	August 25, 1979
Til #1	20	255765	September 25, 1980
Til #2	20	255766	September 25, 1980
Til #3	16	255767	September 25, 1980
Til #4	16	255768	September 26, 1980
Age #1	1	255769	September 26, 1980
Age #2	1	255770	September 26, 1980
Age #3	1	255771	September 26, 1980
Age #4	1	255772	September 26, 1980
Juanita	20	255793	October 22, 1980
Esto #1	6	255978	July 29, 1983
Derry #8 Fraction	1	256296	February 11, 1987
Mill #1	10	256475	May 6, 1988
Halifax	20	348167	July 18, 1996
Goldtill 1	1	389845	September 18, 2001
Goldtill 2	1	389846	September 18, 2001
Goldtill 3	1	389847	September 19, 2001
Goldtill 4	1	389848	September 19, 2001
Goldtill 5	1	389849	September 19, 2001
Goldtill 6	1	389850	September 19, 2001
Goldtill 7	1	389851	September 19, 2001
Goldtill 8	1	389852	September 19, 2001
Goldtill 9	1	389853	September 19, 2001
Goldtill 10	1	389854	September 19, 2001

Crown granted Mineral Claims:

<u>Claim Name</u>	<u>Lot Number</u>
GRAY WOLF	2204
RED FOX	2205
BLACK FOX	2206
GRAY WOLF Fraction	2209
BLACK BEAR Fraction	2582

Local prospectors Arnold and Elaine Gustafson explored the Tillicum Mountain area in the late 1970s. The initial target was scheelite mineralization in calc-silicate rocks on the ridge west of Grey Wolf Mountain, specifically in the area of the Golden Hope reverted Crown granted mineral claim (Figure 3). Four mineral claims (NEAR #1 - #4) were staked to cover the headwaters of Goatcanyon Creek and the southern slopes of Tillicum Mountain. The property was examined by P.J. Santos on behalf of Cominco Ltd. in 1979 (Assessment Report 7909) who reported values of between 0.02% and 0.77% WO₃. Santos also made reference to the presence of scheelite in an old, 75 m long adit on the Near #1 claim situated on the south side of Tillicum Mountain; this may have been part of the original Tillicum group referred to previously.

Further prospecting by the Gustafsons on the north slope of Tillicum Mountain in 1980 resulted in the discovery of high-grade gold values in what was later referred to as the "Money Pit", part of the Heino-Money zone. An additional eight mineral claims were staked and an option agreement was entered into with Esperanza Explorations Ltd and joint venture partner Welcome North Mines Ltd. in September of 1980. The existing claims and adjacent ground was over-staked as the TIL 1-4 four-post claims (72 units) by the joint venture.

Exploratory work in 1981 included geochemical and geophysical surveys and trenching. A bulk sample of 58 tonnes shipped from the Money Pit averaged 78.8 g Au/t and 56.2 g Ag/t.

Welcome North withdrew from the joint venture in March of 1982. **La Teko Resources Ltd.** ("La Teko"), acquired an option on June 23, 1982, to purchase a 50.4% share interest in Esperanza Explorations prior to December 31, 1984 for \$5,125,000. Additional staking expanded the property to some 237 units. Exploration activity in 1982 included 1,128 m of diamond drilling in 16 holes on the Heino-Money zone, 8 holes on the East Ridge zone and 1 hole on the Jenny zone. In 1983, a 60.9-metre crosscut adit was driven on the East Ridge zone and additional geochemical surveys and trenching were

completed. Diamond drilling, consisting of 18 holes, was undertaken on the Heino-Money zone and assisted in identifying 36,287 tonnes at an average grade of 20.5 g Au/t and a total "inferred potential" of 90,720 tonnes (George Cross News Letter, February 28, 1984). Total drilling completed in 1983 amounted to 2,319 m in 38 holes.

In 1984, a 60-metre adit was driven into the upper part of the Heino-Money zone, and a 227 tonne bulk sample was shipped to the Dankoe mill at Keremeos in 1985. Some 168 tonnes of this material was milled; average recovered gold grade was 287.8 g/t. An additional 5 holes were drilled on the East Ridge zone bringing the total holes completed on this zone to 25.

La Teko had provided exploration financing in the amount of \$2.28 million by the end of 1985 and had theoretically earned a 39.6% interest in Esperanza Explorations Ltd. La Teko, however, was unable to provide further financing and the 1982 option agreement with Esperanza expired at the end of 1985.

Drilling and underground exploration on the Heino-Money zone between 1981 and 1988 identified a reserve potential of 45,355 tonnes grading 34.28 g Au/t. Included within this potential reserve was a mining reserve estimated at 12,000 tonnes with a diluted grade of 35.35 g Au/t using a 13.71 g Au/t cutoff grade.

Exploratory underground drifting, cross-cutting and raising (410 m) and surface and underground drilling on the East Ridge zone between 1982 and 1989 resulted in the preparation of several reserve (resource) estimates which are detailed later in this report. A number of other zones within the large property area were identified and explored by trenching and drilling between 1982 and 1989. These include the Grizzly, Jennie, Silver Queen, and Arnie Flats zones.

Columbia Gold Mines Ltd., the successor company to Esperanza Explorations Ltd., entered into an agreement with Bethlehem Resources Corporation and Goldnev Resources Inc. in May of 1993 for the purpose of mining the Heino-Money zone. A total of 6,800 tonnes were mined from four levels, and 5,503 tonnes were shipped to Bethlehem's Goldstream mill, north of Revelstoke, for milling. Recovered grades were 18.62 g Au/t and 29.81 g Ag/t.

In summary, the extensive exploration and development work undertaken in the central and southern parts of the Tillicum property between 1981 and 1993 included a variety of surface geological, geochemical and geophysical surveys, 33,143 m of surface and underground diamond drilling in 389 holes and 1,928 m of underground development on the Heino-Money and East Ridge zones. Total expenditures through 1993 are estimated to be in the order of \$11.2 million (Glanville, 1994).

More than 80% of the diamond drilling and all of the underground development was undertaken on the Heino-Money and East Ridge zones. The distribution of this work is shown on Table 2.

TABLE 2
DISTRIBUTION OF WORK

Mineral Zone	Year(s)	Drilling (surface)		Drilling (underground)		Underground Development
		Holes	m	Holes	m	
Heino-Money	1981-87	100	7,060	9	177	955 m - 4 levels
	1988			92	3,079	442 m
	1993			8	284	121 m
East Ridge	1981-84	26	1,586			60 m - 2118 X-C
	1988	75	13,149	14	610	350 m - 2062 Dr
	1989	10	1,446			

The remainder of the diamond drilling was apparently directed to other known zones on the property. Available records indicate that 12 holes were completed on the Silver Queen zone in 1984 (total metres of drilling unknown), and the Grizzly and Arnie Flats zones were tested by 4 holes (615 m) and 5 hole (292 m) respectively. At least 3 holes were drilled on the Jennie zone between 1982 and 1987.

Following 1993 mining of the Heino-Money zone, the Bethlehem-Goldneve option agreement expired. Columbia Gold Mines Ltd. commissioned a valuation report in 1994 (Glanville, 1994). There are no records of any further work undertaken by the company on the Tillicum property.

It appears that the property was returned to the original vendors who subsequently entered into an agreement with AMT Resources Ltd. In 1996, this company completed a surface and underground geological evaluation, undertook additional rock and soil sampling and geophysical surveys, rehabilitated of access roads and carried out a detailed review of the extensive exploration database (Addie, 1997).

1.5 CURRENT STATUS

The Tillicum gold property was acquired by 1033275 Ontario Limited (a wholly-owned subsidiary of Mustang Minerals Corporation) in 1997. A report on the property was prepared (Handfield and Glanville, 2000) on behalf of Mustang Minerals. The various mineral claims comprising the property were maintained in good standing by cash-in-lieu payments through 2001.

Watts Griffis and McOuat Limited ("WGM"), Consulting Geologists and Engineers, were retained in early 2001 to carry out a compilation of the historic data, and complete modelling of the mineralization in order to assess the exploration potential of the property. Part of this assessment included surveying to accurately locate historic data and completion of geochemical orientation surveys. This report details results of these studies which were initiated in mid-2001.

2. GEOLOGY AND MINERALIZATION

2.1 PHYSICAL SETTING

The Tillicum property is situated in the Valhalla Ranges east of Arrow Lakes. Elevations in the property area range from about 800 m above sea level along Caribou Creek on the northern claims, to more than 2,300 m at the summit of Grey Wolf Mountain on the southeastern part of the property. The topography is generally steep. Steeper slopes are mantled by a thin veneer of overburden. Coniferous forest cover extends to elevations of 2,100 m. Bedrock is best exposed along ridge crests, along major drainages and in recent road cuts.

2.2 REGIONAL GEOLOGICAL SETTING

The Tillicum property is situated within the Quesnel terrane of the Omineca Tectonic Belt. It is underlain in part by Late Paleozoic to Early Mesozoic metasedimentary rocks, which are partially overlain by metavolcanic rocks. These supracrustal rocks are contained in a roof pendant bounded by the Halifax Creek - Goatcanyon Creek granitic stocks of Cretaceous age on the north and west, and by the Tertiary Nemo Creek stock on the south (Figure 4). The metasedimentary and metavolcanic rocks are further intruded by feldspar porphyry stocks and sills of possible early Mesozoic age and by Tertiary lamprophyre dyke swarms.

The supracrustal rocks are considered to be part of the highly deformed, east-trending Nemo Lakes Belt (Parrish, 1981) which is dominated by a clastic and calcareous metasedimentary sequence locally featuring high grades of regional metamorphism. The age of these metasedimentary rocks is uncertain. The consensus of opinion is that they are part of the late Paleozoic Milford Group (Hyndman, 1968), although they may in part be younger, possibly of Triassic or early Jurassic age. The overlying basaltic metavolcanic

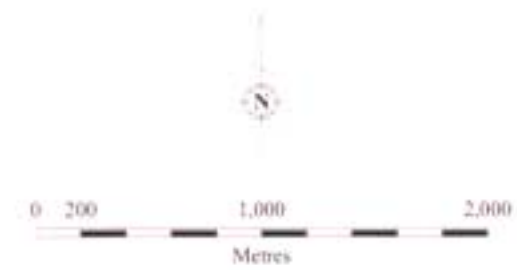
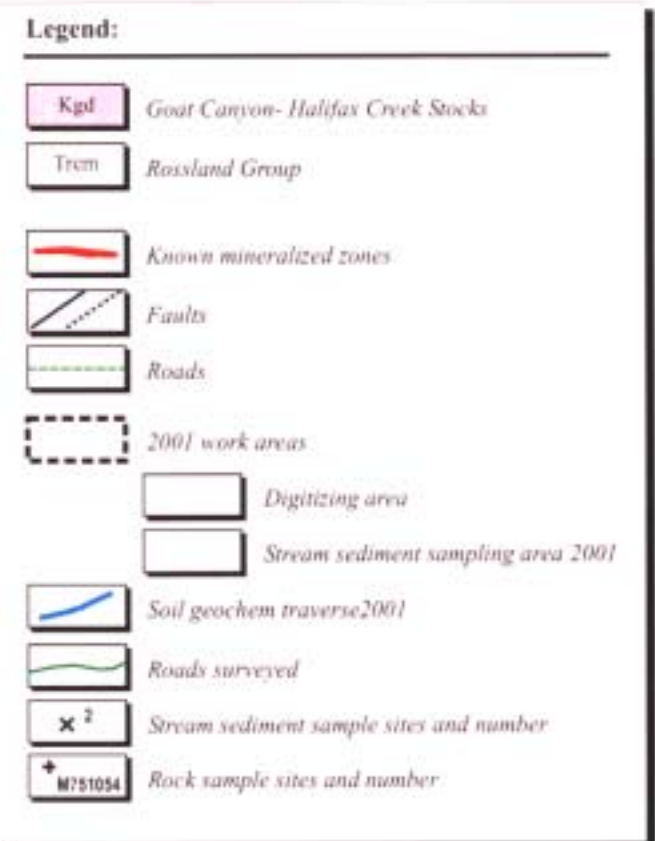
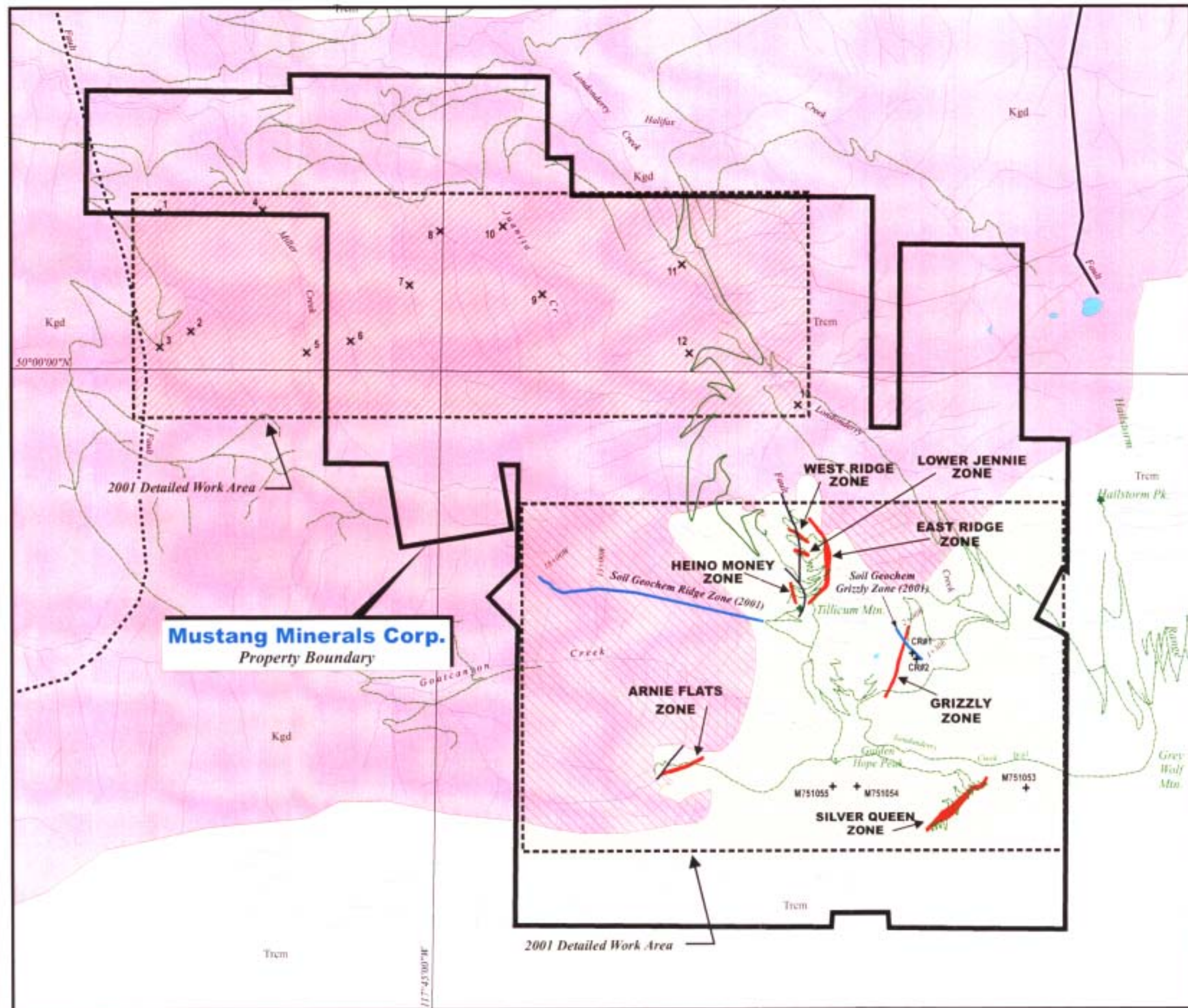


Figure 4.

MUSTANG MINERALS CORP.

Tillicum Project Pg. 16

British Columbia, Canada

Property 2001 Work Areas

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rocks in the Tillicum Mountain area are potassium-rich (shoshonitic) and are thought to be products of arc volcanism (Ray and Spence, 1987). Based on chemical compositions, these metavolcanic rocks have been correlated with similar volcanic rocks of the Elise Formation of the Lower Jurassic Rosslund Group.

In addition to early Jurassic regional metamorphism, the metasedimentary and metavolcanic rocks have been subjected to at least two phases of contact metamorphism related to the intrusion of early Jurassic feldspar porphyries and later, Cretaceous granitic rocks.

Property Geology and Mineralization

The oldest rocks exposed on the Tillicum property consist of a predominantly metasedimentary sequence which underlies the central and southeastern property area. These rocks are comprised of deformed and metamorphosed siltstones, calcareous siltstones, quartzites, greywackes and impure carbonate and marble units. Thought to be part of the late Paleozoic Milford Group, these metasediments are partly overlain in the central part of the property by massive, metamorphosed basalt and andesite flows and fragmental rocks, which in turn are overlain by volcanoclastic rocks consisting of epiclastics, tuffaceous siltstones, lapilli tuffs and siltstones. These two volcanic units are thought to represent the lower and upper Elise Formation which forms the basal part of the early Jurassic Rosslund Group (Ettlinger and Ray, 1989; Devlin and Roberts, 1989).

The metasedimentary and overlying metavolcanic sequences are intruded by feldspar porphyry dykes and sills which pre-date the Halifax Creek - Goatcanyon Creek granitic stocks (Figure 4). These intrusions, which may be of early Jurassic age and possibly comagmatic with the metavolcanic rocks, are of quartz diorite - quartz monzodiorite composition. Individual sills and dykes are up to 60 m in thickness. In the vicinity of Tillicum Mountain, they occur in two north-northeast-trending belts, which are 900 m wide and extend along a strike a distance of 2 km (Devlin and Tupper, 1988).

The Cretaceous Goatcanyon and Halifax Creek stocks (Figure 4) intrude all of the Jurassic (and older) layered and intrusive rocks. They consist mainly of medium-grained quartz monzonites and granodiorites. These intrusions postdate the regional metamorphism affecting the older rocks. Contact metamorphic effects are evident along their margins.

The youngest rocks in the area are narrow (3 m) lamprophyre dykes of probable Tertiary age which parallel the dominant north-northeast structural trend. These dykes occur in swarms which are particularly evident within the two principal mineralized zones, Heino-Money and East Ridge.

The structure is locally complex with numerous, moderately to steeply-dipping, northerly-trending normal and reverse faults. Some of the larger fault structures have major displacements, notably the arcuate, west-dipping "Aussie Fault" which divides the central property into two structural domains, and which was previously thought to separate the Heino-Money zone from the East Ridge Zone.

The two northeast-trending belts of feldspar porphyry dykes and sills are intimately associated with all of the known precious metals zones on the northern and eastern slopes of Tillicum Mountain. Gold (and silver)-enriched skarns are developed within, and marginal to, the feldspar porphyry intrusions. These skarn zones, which vary in thickness from 2 m to 60 m, are structurally controlled and strike north-northeast and dip steeply east and west, paralleling the trend of the intrusions. Native gold occurs as fine disseminations and as coarse flakes in quartz-rich segregations along the margins of quartz-actinolite-chlorite skarn zones. These also contain variable amounts of finely disseminated pyrrhotite, pyrite, sphalerite and galena and traces of chalcopyrite and tetrahedrite.

The principal gold-rich skarn zones, identified by previous work in the central property area, include the Heino-Money, East Ridge and Grizzly zones (Figures 3 and 4) These have silver:gold ratios from 1:1 to 4:1 and 1:1. The Silver Queen and Arnie Flats zones, situated

in the southeastern and southwestern property area respectively (Figure 4), are silver-rich skarns in which gold values are low and silver:gold ratios are 200:1 or higher.

The distribution of the known mineralized zones is in keeping with a semi-circular regional geochemical pattern centred on Tillicum Mountain. It consists of an outer anomalous molybdenum zone grading inward to higher silver values followed by gold (Addie, 1997).

The most significant gold zones identified to date are the Heino-Money and East Ridge zones on the northern slopes of Tillicum Mountain.

Summary descriptions of these and other zones are as follows:

Heino-Money Zone

Gold-bearing, stratabound, calc-silicate alteration is hosted by a thin, wedge-shaped package of tuffaceous rocks, which are bounded by metabasalts and altered feldspar porphyry on the west and east respectively. The skarn assemblage, which is well layered with narrow, subparallel quartz veins, consists of quartz, tremolite-actinolite, diopside, biotite and garnet and contains fine and coarse free gold as disseminations and as fracture-fillings within, and marginal to, quartz-sulphide veins. Two phases of precious metals deposition have been identified, the first of being gold-rich, and the second consisting of argentiferous galena and other sulphide minerals.

The zone, which strikes northerly and dips steeply east, has been defined by drilling and underground workings over a strike length of 200 m and over a vertical interval of about 100 m. Zone widths ranged from less than a metre to several metre and averaged 1.6 metres.

A mining reserve within this zone was estimated (Saunders and Budinski, 1989) to be 12,000 tonnes with an average gold grade of 35.31 g/t, based on a cutoff grade of 13.71 g/t and a minimum width of 1.52 m.

The Heino-Money zone was mined in 1993 by the Bethlehem-Goldnev joint venture. A total of 6,790 tonnes were extracted from three levels (2112, 2130, 2160 - Tindall, 1993), of which 5,503 tonnes were shipped for milling. Recovered gold grade was 18.81 g/t or slightly more than half of the anticipated gold grade. Some 1,280 tonnes of low grade material mined which averages 4.80 g Au/t, is stockpiled on the site.

The discrepancy between the originally estimated mining reserves of 12,000 tonnes grading 35.31 g Au/t and the actually mined (and shipped) 5,503 tonnes averaging 18.81 g/t is attributed to the fact that exceptionally high gold grades contained in initial muck samples were not cut. Had these high grades been cut to 170 g/t, the original estimate of mineable tonnes and grade would have approximated the actual production figures (Tindall, 1993).

Tindall (1993) was of the opinion that while it is possible while small, high grade gold zones remain to be discovered in the Heino-Money zone, the cost of discovering and developing these may outweigh their value.

East Ridge Zone

The East Ridge zone, located 300 m east of the Heino-Money zone (Figure 4), consists of four parallel skarn horizons within a calc-silicate altered, 75 m thick succession of tuffaceous sediments and volcanics. It is bounded on the east by a feldspar porphyry intrusion (Handfield and Glanville, 2000). The gold-bearing skarn zones, which have widths of between 1.4 and 4.5 m, have a northerly strike and dip moderately east. Drilling has traced the gold-bearing skarn horizon(s) over a strike length of 1,100 m and a down-dip interval of 360 m.

Higher grade gold values are associated with quartz-pyrite-pyrrhotite mineralization within the various skarn zones. Native gold, occurs marginal to the quartz-sulphide segregations and ranges from micron-size to 1 mm flakes.

There are notable differences between the East Ridge and Heino-Money zones. Gold grades are markedly lower in the former. Less competent tuffaceous rocks host of the East Ridge zone while competent basaltic rocks host the Heino-Money zone.

Several "reserve" estimates have been reported for the East Ridge zone over the past number of years. All of these were prepared prior to the adoption of CIM Standards on Mineral Reserves and Resources in 2000, and references to "indicated and inferred reserves" should be more properly categorized as indicated and inferred mineral resources. A summary of the various estimates is shown in Table 3.

**TABLE 3
SUMMARY OF ESTIMATES**

Year	Source	Cutoff Grade (g Au /t)	Tonnes	Grade (g Au /t)
1989	Saunders and Budinski	6.86	238,269	13.51
1989	Devlin and Tupper	4.11	1,259,415	8.23
		Including	317,495	10.63
1990	Columbia Gold Mines Ltd.	5.14	1,063,185	8.91
		Including	271,283	11.66
1997	G.G. Addie	10.30	474,642	9.60

Of the foregoing, all of which were reported as "indicated and inferred" reserves, the Saunders and Budinski 1989 estimate is considered to be most representative of East Ridge zone inferred and indicated mineral resources.

Grizzly Zone

The Grizzly zone, 900 m southeast of the East Ridge zone (Figure 4), was outlined by gold-in-soil geochemistry and prospecting over a strike length of 400 m in the early 1980s. Gold is associated with massive pyrrhotite lenses in shear-related calc-silicate-quartz skarn zones developed in pelitic schists and feldspar porphyry intrusions (Devlin and Roberts, 1989). The alteration zones range in thickness from 0.60 and 15 m.

Four inclined drillholes (630 m) in 1989 intersected up to four parallel gold-bearing zones with grades of between 1.30 and 19.92 g/t and over core lengths ranging from 0.90 and 14.6 m (Devlin and Roberts, 1989).

The zone remains open along strike and VLF-EM surveys (Addie, 1997) indicated an extensive conductive zone coincident with areas of known mineralization.

Silver Queen Zone

Silver and minor gold mineralization within the Silver Queen zone, situated on Grey Wolf Mountain in the southeastern part of the property (Figures 3, 4), was initially investigated in the 1930s and was described as being associated with carbonate-rich units marginal to porphyry dykes and irregular aplite intrusions. It strikes northeast and has been traced over a strike length of more than 300 m between 2,000 and 2,250 m elevation.

An adit was collared near the southwestern limit of the zone in irregular quartz veins containing fine-grained pyrite. The adit is located about 20 m east of a 15 m wide aplite intrusion which apparently cutoff the zone in the underground workings. Adit dump samples assayed between 1.4 and 3.4 g Au/t and 685 and 1,060 g Ag/t with about 2.7% lead and 2.6% zinc. A 0.50-0.75 m wide carbonate-rich zone, containing pyrite and fine-grained black sulphides located about 300 m northeast of the adit, returned values of 2.1 g Au/t and

257 g Ag/t. A selected sample from a similar zone on the ridge crest 200 m west of the summit of Grey Wolf Mountain assayed 3.4 g Au/t and 960 g Ag/t.

These various zones are contained within a northeast-trending, +3 ppm silver in soils anomaly measuring 1,000 x 160 m, which was identified by 1980s work. Twelve inclined drillholes, completed in 1984, tested this zone. The zone was described by Ettliger and Ray (1989) as consisting of several 20 m thick skarn zones developed in a 30 m wide sequence of impure calcareous quartzites, siltstones and thin marble beds marginal to feldspar porphyry sills. The skarn assemblage includes quartz- tremolite-actinolite plus anhedral garnet and hosts pyrite, pyrrhotite, tetrahedrite, sphalerite, galena, pyrargyrite and arsenopyrite mineralization.

Significant best silver grades were encountered in six of the holes drilled. Values ranged from 40.1 g/t over a core length of 3.65 m to 144.7 g/t over 4.51 m (George Cross Newsletter #181, 1984). "Potential reserves" within the Silver Queen zone were quoted as 2.7 to 4.5 million tonnes grading 103 g Ag/t.

Arnie Flats Zone

The Arnie Flats zone, situated in the southwestern property area (Figures 3, 9), was found in 1984 by prospecting of a large, 900 x 300 m silver-in-soils geochemical anomaly. Subsequent backhoe trenching exposed tuffaceous volcanics and lesser basaltic andesites which are intruded by a hybrid diorite sill. Two subparallel calc-silicate skarn zones, developed in both the volcanics and intrusive rocks, trend east-northeast and dip moderately to the southwest. Trench sampling returned values of up to 260.5 g Ag/t and 0.69 g Au/t.

Three of five holes drilled to test the zone in 1989 (Devlin and Roberts, 1989) intersected the two parallel epidote skarn zones which were seen to be cut by quartz-pyrite-chlorite veins containing 5% disseminated pyrite and traces of a fine-grained black mineral thought

to be argentite or tetrahedrite. Better values, over hole lengths of 0.91 and 2.74 m, ranged from 0.10 to 0.79 g Au/t and 42.7 to 178.1 g Ag/t.

2.3 NATURE OF MINERALIZATION

Gold (and silver) mineralization on the Tillicum property, originally thought to be typical of precious metals enriched skarn deposits, is now generally considered to be structurally controlled.

Devlin and Tupper (1989) report that the gold-bearing skarn zones occur along strongly sheared structures that generally follow the contacts between feldspar porphyry intrusions and volcanic-sedimentary country rocks. The East Ridge zone closely resembles a shear related gold system which postdates earlier, low grade skarn mineralization. Further, the manganese rich garnets within the skarn zones at Tillicum Mountain are atypical of precious metals enriched skarns elsewhere in British Columbia (Ettlinger and Ray, 1989).

Kwong (1984) suggested that the gold mineralization was epigenetic and mesothermal based on apparent temperature ranges. This is in keeping with more recent descriptions of the mineralization as being typical of greenstone-hosted gold deposits featuring prominent calc-silicate alteration of the host rocks.

3. 2001 PROGRAMS

3.1 FIELD PROGRAMS

Field work on the Tillicum property, carried out between July 10 and August 3, 2001, included a partial survey of the access roads and principal workings in the central property area, an inspection and inventory of existing on-site facilities and equipment, and the collection of 79 stream sediment, soil and rock samples from selected parts of the large property area. Personnel involved in this program included N.C. Carter, Ph.D., P.Eng. and George G. Addie, P.Eng., assisted by Doug Murray of Salmo, B.C.

3.2 SURVEY

A properly georeferenced base map was deemed to be a necessity to enable proper compilation of the existing property exploration data. The **Terrain Resource Information Management** ("TRIM") maps provide a good base, and locations of the mineral claims are shown on TRIM maps.

Claim maps were inconsistent with those shown on various maps previously prepared for the project. In addition, the locations of key features shown on older plans had not located relative to UTM co-ordinates.

Timberland Consultants (2001) of Nelson, B.C., was contracted to collect Differentially Corrected Global Positioning System ("DGPS") survey data along the access road to the mineralized area on the Tillicum property to confirm the location of the road in NAD83 co-ordinates to a precision of ± 1 m. In addition to precisely locating the access road the survey was also designed to locate the position of the warehouse, the Heino-Money 2050, 2130 and 2160 level adit portals, the East Ridge 2060 level adit portal and the Hugh-Wolf claim #2 claim post which is along the northern boundary of the previously surveyed Mining Lease.

Collection of these data would allow for proper georeferencing of the historic exploration data.

The field surveying was carried out on Monday, July 10, 2001 by Timberland Consultants. Access to the property was by 4-wheel drive truck and an all terrain vehicle.

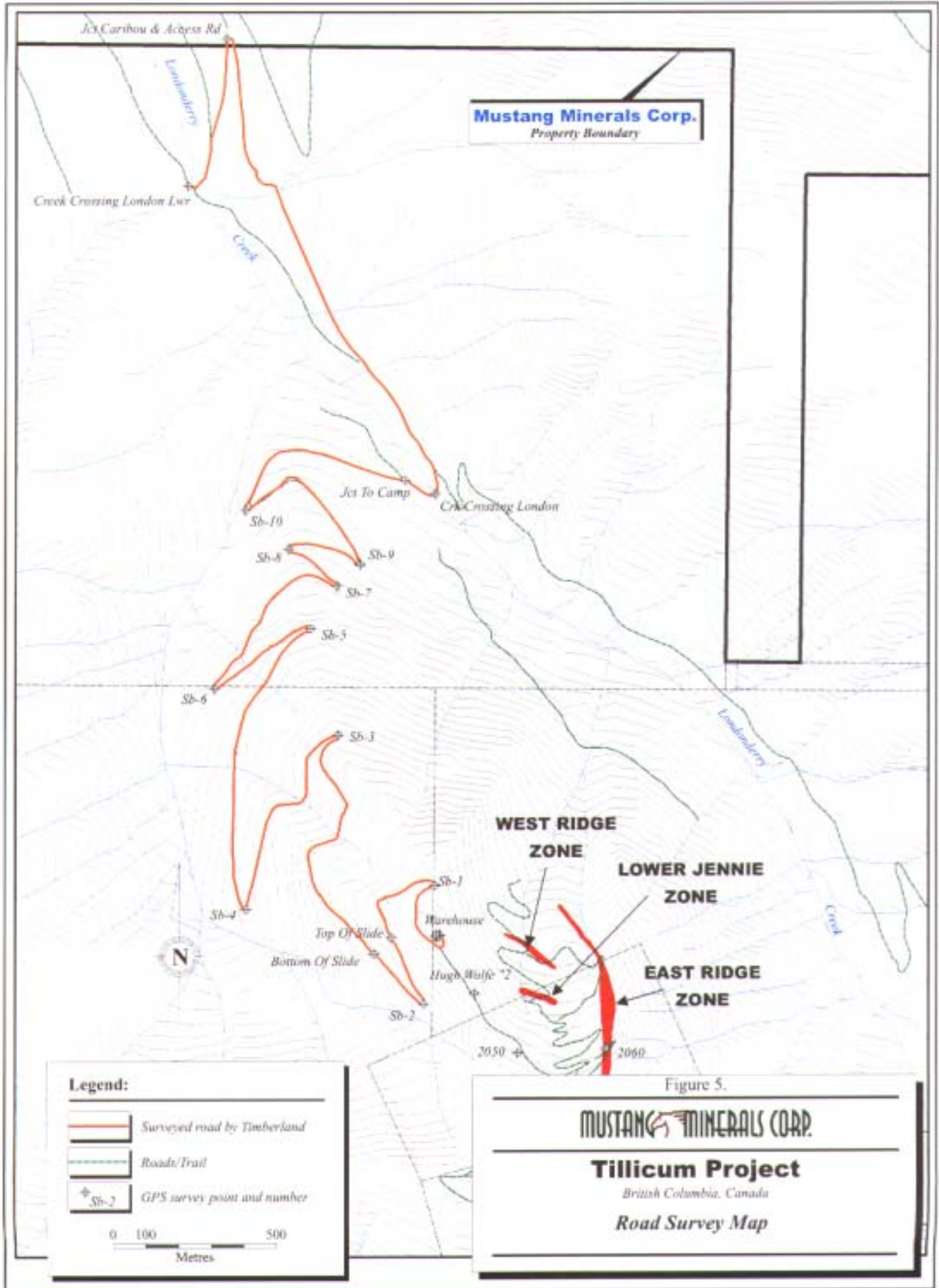
The survey data was plotted on a TRIM base and provided to WGM as a digital Autocad drawing covering the entire claim group. The surveyed area is shown on Figure 5.

3.3 SITE INSPECTION

An inspection of equipment and facilities on the Tillicum property was carried out by one of the authors of this report July 31 and August 1, 2001. Principal observations are as follows.

The main access road between Caribou Creek and the upper camp area is serviceable for 4-wheel drive vehicles. Minor rock and tree clearing was required in only a few areas. Access roads to the East Ridge and Heino-Money workings and to most of the other zones are suitable for all-terrain vehicles.

A lower camp area, immediately west of Londonderry Creek on the Halifax claim and at an elevation of 1,340 m above sea level, consists of one 12 x 18 m garage/shop building which is locked but is believed to house a caterpillar bulldozer and an excavator. Other buildings on site include joined Atco trailer units forming a 10 x 15 m kitchen-sleeping units facility with most cooking facilities intact. Smaller Atco units include a dry and an office and a generator shack. The kitchen and dry units are open, the office is locked. Roofs of all units are in good shape. The general camp area is in a clean state save for an abandoned pickup truck.



Mustang Minerals Corp.
Property Boundary

Creek Crossing London Lwr

Jet To Camp

Creek Crossing London

Sb-10

Sb-8

Sb-9

Sb-7

Sb-5

Sb-6

Sb-3

Sb-4

Sb-1

Sb-1

Top Of Slide

Bottom Of Slide

Sb-2

Hugob Wolfe '2

2050

2060

**WEST RIDGE
ZONE**

**LOWER JENNIE
ZONE**

**EAST RIDGE
ZONE**

Legend:

- Surveyed road by Timberland
- Roads/Trail
- GPS survey point and number



Figure 5.

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Tillicum Project

British Columbia, Canada

Road Survey Map

The camp and equipment are believed to be owned by AMT Resources Ltd., the last company to work on the property in 1996. An upper camp area, at an elevation of 2,040 m and several hundred metres north of the principal workings, includes the core storage area. Only one wooden building, initially used as the exploration office, remains at this site and is in reasonably good shape. Equipment stored inside the building and scattered around the general area includes 2 mine cars, slusher and motor, one electric motor, a small generator, various first aid equipment, underground track, drill steel, rock bolts and plates and miscellaneous parts. An electric locomotive is stored behind a tarp just inside the portal of the Heino-Money main haulage level. This and other underground equipment is believed to be the property of Procon Mining, the contractors to Bethlehem Resources in 1993.

Drill core is stored in racks and as cross-stacked piles covered with polyethylene sheets. All of the core racks were covered with aluminium roofs in 1996 but by then considerable damage had been done to upper rows by winter snow cover. A quick assessment of the condition of the drill core suggests that 50% is not recoverable, mainly due to the fact that the boxes are not marked. Plastic dymo tape has disintegrated or is missing altogether. Many of the boxes may have been initially marked with felt pen which is no longer readable. Most of the non-recoverable core is thought to be from surface and underground holes on the Heino-Money zone; most of the East Ridge Zone core appears to be accessible.

Underground workings were not entered. The three adit portal areas in the Heino-Money zone and two on East Ridge zone are fairly clean with no obvious flowing water. None of the adits are barred to entry.

3.4 GEOCHEMICAL SURVEYS

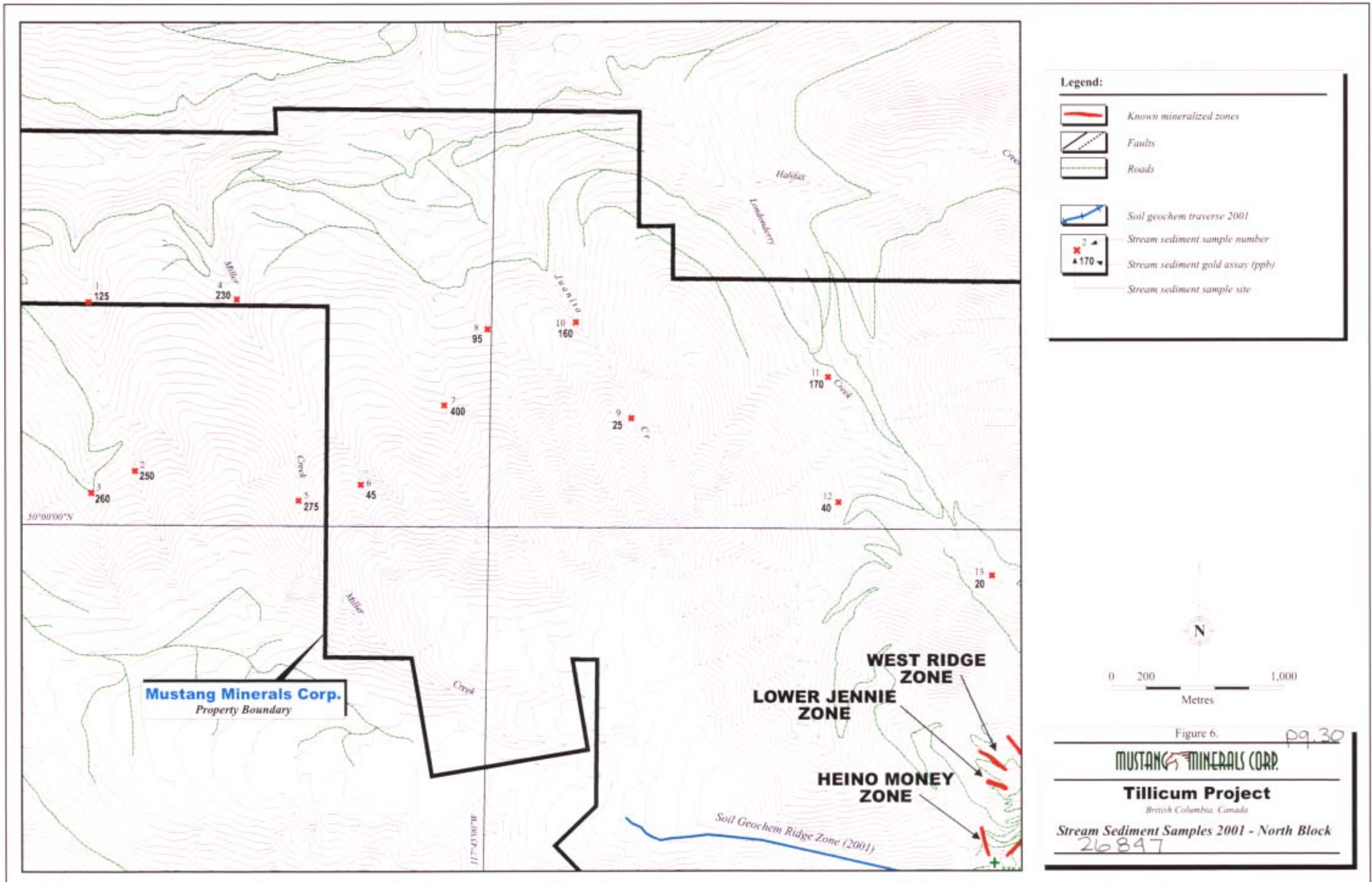
Stream Sediment Survey - Northern Claims Area

Thirteen large (4-5 kg) stream sediment samples were collected from several north-flowing drainages tributary to Caribou Creek in the northern property area (Figure 6). Specifically, from east to west, these included three samples from tributaries of Londonderry Creek, four samples from Juanita Creek and tributaries, three from Miller Creek tributaries and three samples from an unnamed creek 1 km west of Miller Creek. Sample locations and summary analytical results are shown on Figure 6.

This area was selected for investigation following a review of previous exploration work which suggested that little or no work had been undertaken in the northern claims area which was thought to be essentially underlain by granitic rocks of the Cretaceous Goatcanyon Creek - Halifax Creek stocks. Generalized geological maps (Devlin and Roberts, 1989) show screens or roof pendants of Jurassic (and older?) volcanic and sedimentary rocks in two areas of the northern claims including one immediately east of Londonderry Creek and a second, linear pendant extending down the main drainage of Juanita Creek. The latter is apparently a northwesterly extension of the prospective volcanic and sedimentary rocks which are hostrocks for the known gold-bearing zones in the central property area.

A stream sediment survey was considered to be an efficient way to make a preliminary assessment of the potential of these northern claims. Three of the samples were collected adjacent to the current property boundary in order to assess the potential of the southern part of the Juanita mineral claims and the AGE #1 - #4 claims.

All samples consisted of -10 mesh material which were collected from active drainages and placed in large (30 x 50 cm) plastic sample bags. Samples were submitted to ALS Chemex



laboratory in North Vancouver for determination of 32 major and trace elements by Induced Coupled Argon Plasma (ICP) techniques and for gold by fire assay with atomic absorption finish. Analytical procedures and complete analytical results are contained in Appendix I. Results for several elements are as follows:

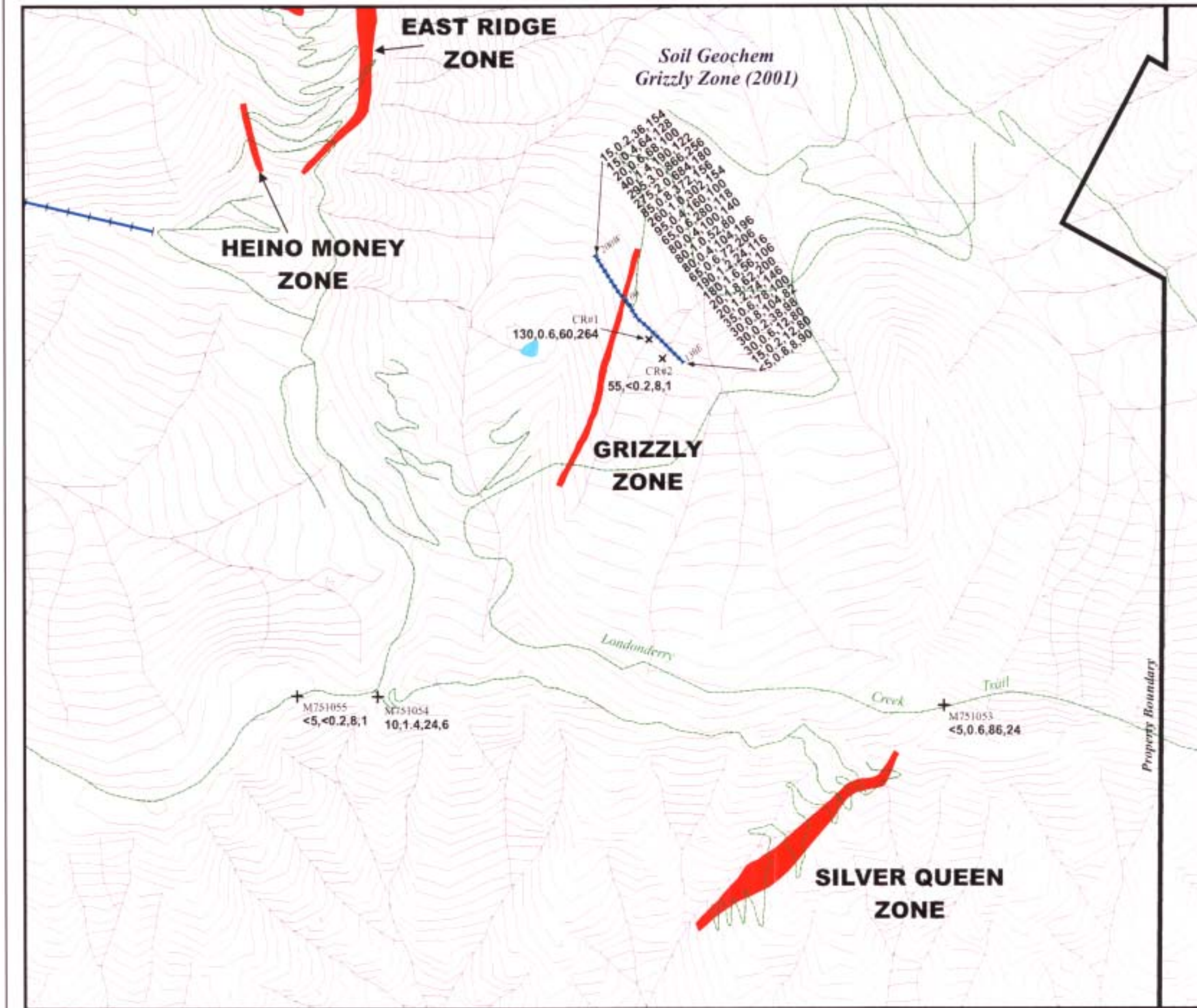
**TABLE 4
RESULTS**

Sample No.	Location	Au (ppb)	Ag (ppm)	As (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
Aug-01 #1	Unnamed Ck	125	<0.2	8	9	25	<2	56
#2	" "	250	<0.2	2	8	18	<2	56
#3	" "	260	<0.2	<2	10	23	6	62
#4	Miller Ck.	230	<0.2	<2	8	21	6	62
#5	" "	275	<0.2	<2	8	18	10	58
#6	" "	45	<0.2	<2	9	32	8	68
Aug-02 - #7	Juanita Ck.	400	<0.2	2	4	<1	16	88
#8	" "	95	<0.2	4	4	<1	8	74
#9	" "	25	<0.2	8	10	25	8	88
#10	" "	160	<0.2	10	13	29	10	88
#11	Londonderry Ck.	170	<0.2	20	9	26	10	112
#12	" "	40	<0.2	2	15	53	8	92
#13	" "	20	<0.2	28	9	27	10	134

Best gold results (+200 ppb) were obtained from the western half of the area sampled (Figure 6). The highest gold value (400 ppb) was from the western tributary of Juanita Creek; two samples from Miller Creek and two from the unnamed creek 1 km west of Miller Creek returned values of between 230 and 275 ppb gold. Silver values in all samples were below detection limits and results for most other elements were close to background values with the exception of slightly elevated zinc values in the three samples collected from tributaries of Londonderry Creek.

Soil and Stream Sediment Sampling - Grizzly Zone

Two stream sediment and twenty-four soil samples were collected from the known northern limits of the Grizzly Zone about 1 km southeast of the Heino-Money and East Ridge Zones (Figure 7).



Legend:

- Known mineralized zones
- Faults
- Roads
- Grizzly Zone soil geochem traverse 2001
- Grizzly Zone soil geochem assay: Au(ppb), Ag(ppm), As(ppm), Zn(ppm)
- Grizzly Zone silt sample sites and number
- Grizzly Zone soil geochem assay: Au(ppb), Ag(ppm), Pb(ppm), Zn(ppm)
- Rock sample sites and number
- Rock geochem assay: Au(ppb), Ag(ppm), Zn(ppm), Mo(ppm)

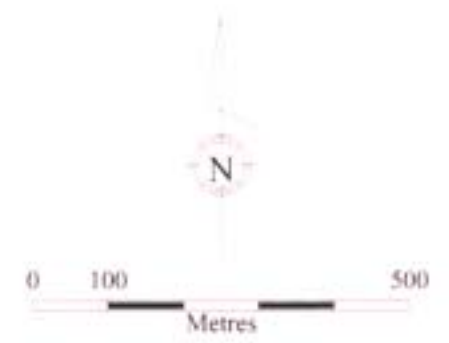


Figure 7. pg. 32

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 British Columbia, Canada

Soil Geochem 2001 - Grizzly Zone
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As described previously, the Grizzly Zone was originally detected by anomalous gold and lead values in soils and has been traced over a north-northeast strike length of 500 m in bedrock exposures and by 615 m of diamond drilling in four inclined holes. Results obtained from previous bedrock sampling include 4.46 g Au/t over 1.5 m. Subsequent drilling intersected up to three parallel gold-bearing zones with values ranging from 1.30 g Au/t over 1.68 m to 19.92 g/t over 1 m. Broader hole intervals included 4.42 g Au/t over 2.90 m and 5.11 g/t over 3.35 m.

The style of mineralization is similar to that seen in the Heino-Money and East Ridge Zones with gold and lesser silver values occurring in irregular lenses of massive pyrrhotite with minor sphalerite, galena and chalcopyrite and traces of visible gold. Principal host rocks are shear-related skarn zones developed in northeast-striking, steeply northwest-dipping tuffaceous volcanics and hybrid diorites. The volcanic rocks are intruded by Jurassic diorite porphyry sills and by younger (Cretaceous) granodiorites and alaskites.

Soil samples were collected at 10 to 20 m intervals along 200 m of access road trending north-northwest (roughly normal to the north-northeast structural trend) and along a 130 m long flagged line of similar orientation extending southeast of the road switchback (Figure 7). Panned stream sediment samples were collected from two small drainages encountered along the flagged line.

Samples along the access road were collected from reasonably well developed, reddish-brown, B horizon soils exposed in cuts on the uphill (west) side of the road. Similar B horizon soils were collected along the flagged line from depths of 25 to 40 cm. Both the soil and stream sediment samples were placed in 10 x 15 cm, gusseted kraft paper bags and submitted to ALS Chemex for ICP and gold analyses. Sample locations and summary results are shown on Figure 7 and are tabulated below. Complete analyses are contained in Appendix I.

TABLE 5
GRIZZLY ZONE SOIL GEOCHEM

Sample No.	Au (ppb)	Ag (ppm)	As (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
Jul 31-01- 0+00W	80	0.4	18	9	110	100	140
0+20W	65	0.6	22	5	68	280	118
0+40W	95	0.4	8	4	60	160	100
0+60W	260	1.0	26	9	96	302	154
0+80W	85	0.8	18	4	62	372	156
1+00W	275	2.0	54	4	72	684	180
1+20W	295	3.0	32	4	78	866	256
1+40W	40	1.4	14	5	81	190	122
1+60W	20	0.6	10	6	76	68	100
1+80W	15	0.4	28	9	57	64	128
2+00W	15	0.2	44	12	93	36	154
0+10E	80	1.0	10	3	96	52	80
0+30E	80	0.4	28	11	183	104	196
0+40E	65	0.6	28	52	154	72	206
50E	180	0.6	10	7	47	56	106
0+60E	120	0.2	42	8	183	24	116
60E	20	1.8	8	74	160	62	200
70E	20	1.2	8	97	171	74	246
80E	35	0.6	6	4	47	78	100
90E	30	0.8	10	3	40	104	82
100E	20	0.2	16	9	68	38	98
110E	20	0.6	8	16	57	12	80
120E	15	0.2	8	8	35	12	80
130E	<5	0.8	8	20	50	8	90
C.R.#1	130	0.6	6	67	116	60	264 (stream sediment)
C.R.#2	55	0.2	<2	24	51	8	90 (stream sediment)

Three soil samples collected along the access road (0+60W, 1+00W and 1+20W) returned distinctly anomalous gold values of between 260 and 295 ppb accompanied by anomalous silver (1-3 ppm) and lead (302-866 ppm). These are thought to be reflecting the Grizzly Zone as intersected in a nearby drillhole which yielded values of 2.64 g Au/t over a hole length of 14.6 m and included a 3.35 m interval grading 5.11 g Au/t.

Two contiguous samples (50E, 0+60E) collected along the flagged line to the southeast returned values of 120 and 180 ppb gold plus elevated silver and lead values. These results are confirmed by an adjacent stream sediment sample (C.R.#1 - Figure 7) which yielded 130 ppb gold. These samples may be indicative of an undiscovered gold-bearing zone, parallel to the main Grizzly structure and southeast of the limits of drilling to date.

Soil Sampling - Ridge West of Heino-Money Zone

Thirty-seven soil samples were collected at 50 m intervals along the crest of a ridge above Goate Canyon Creek and extending westerly from the summit of Tillicum Mountain (Figure 8). The point of origin for the sample line was 250 m southwest of the peak of Tillicum Mountain and the line was established on an azimuth of 280 degrees for a distance of 1 km (sample station 10+00W). From this point, the sample line was extended in a southwest to west direction an additional 800 m to sample station 18+00W following the 1900 m topographic contour. Distances were measured by hip chain and various locations along the sample line, including the point of origin, were determined by a Global Positioning System ("GPS") instrument.

Soil samples were collected from the well-developed, reddish-brown, B horizon which was encountered at depths of between 30 and 40 cm below surface. Samples were placed in 10 x 15 cm, gusseted kraft paper bags and submitted to ALS Chemex for ICP and gold analyses. Complete analyses are contained in Appendix I and are shown in summary form on Figure 8 and in Table 6.

Results for eleven of the 37 samples (13+00W to 18+00W inclusive), collected from the Molly and Little Joe reverted Crown granted claims, were previously reported (Carter, 2001) but are also included here for purposes of continuity.

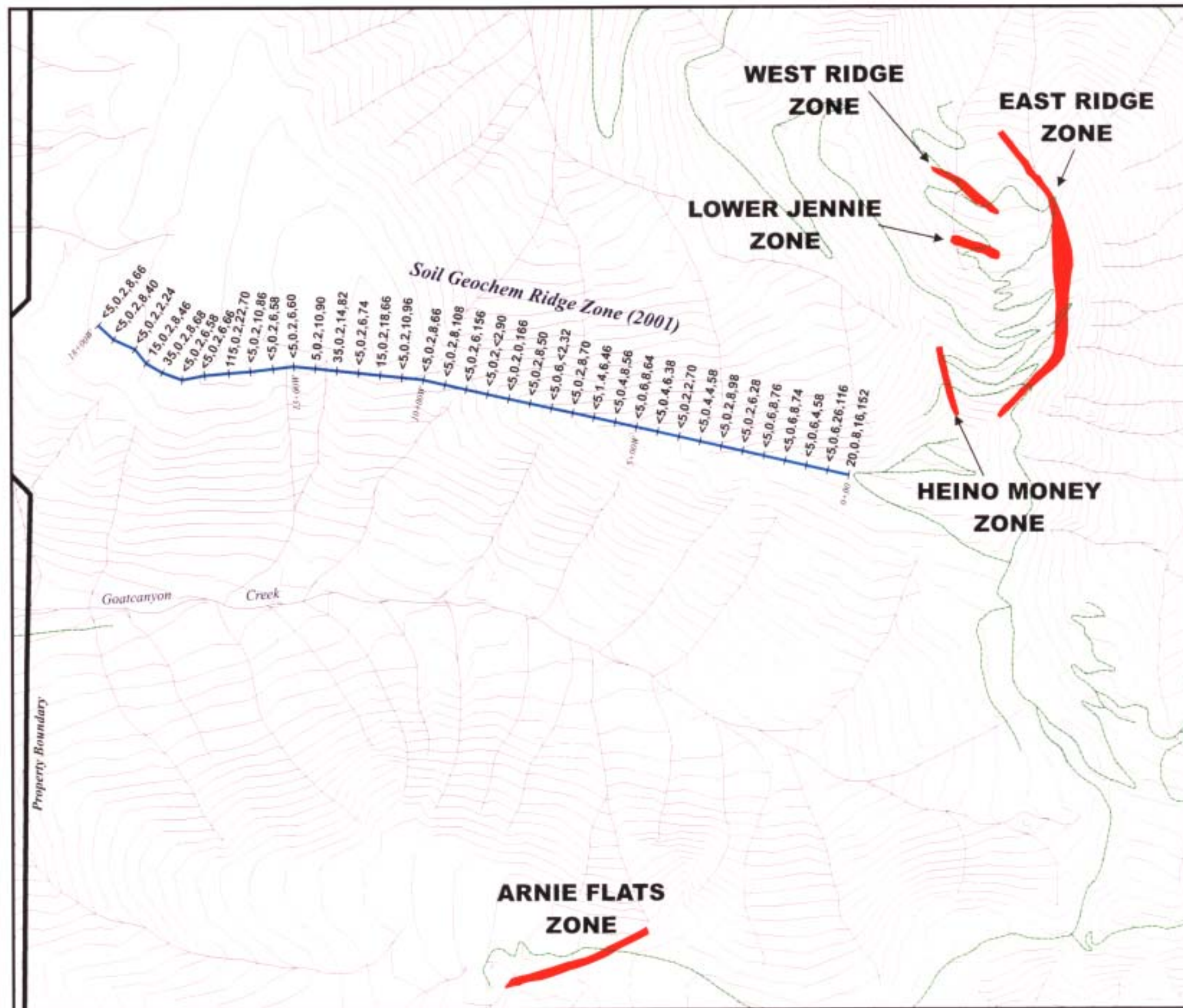


Figure 8.

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Soil Geochem 2001 - Ridge Zone

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TABLE 6
SUMMARY OF ANALYSES

Sample No.	Au (ppb)	Ag (ppm)	As (ppm)	Co (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
Aug 3-01- 0+00W	20	0.8	6	17	73	16	152
0+50W	<5	0.6	2	13	59	26	116
1+00W	<5	0.6	<2	9	36	4	58
1+50W	<5	0.6	2	4	14	8	74
2+00W	<5	0.6	4	4	14	8	76
2+50W	<5	0.2	2	2	5	6	28
3+00W	<5	0.2	<2	5	12	8	98
3+50W	<5	0.4	2	1	7	4	58
4+00W	<5	0.2	2	5	11	2	70
4+50W	<5	0.4	<2	3	7	6	38
5+00W	<5	0.6	<2	3	9	8	64
5+50W	<5	0.4	<2	5	10	8	56
6+00W	<5	1.4	<2	3	9	6	46
6+50W	<5	0.2	2	3	7	6	70
7+00W	<5	0.6	<2	2	7	<2	32
7+50W	<5	0.2	4	4	8	8	50
8+00W	<5	0.2	2	6	13	10	166
8+50W	<5	0.2	<2	4	9	<2	90
9+00W	<5	<0.2	4	12	20	6	156
9+50W	<5	<0.2	4	4	8	8	108
10+00W	<5	0.2	2	3	6	8	66
10+50W	<5	<0.2	6	8	12	10	96
11+00W	5	<0.2	4	6	9	18	66
11+50W	<5	<0.2	4	7	11	6	74
12+00W	35	<0.2	6	9	18	14	82
12+50W	5	<0.2	4	10	22	10	90
13+00W	<5	0.2	2	5	10	6	60
13+50W	<5	0.2	4	6	8	6	58
14+00W	<5	<0.2	2	4	10	10	86
14+50W	115	0.2	<2	2	6	22	70
15+00W	<5	0.2	8	3	8	6	66
15+50W	<5	<0.2	<2	4	7	6	58
16+00W	35	0.2	<2	7	13	9	68
16+50W	15	<0.2	2	2	7	8	46
17+00W	<5	0.2	<2	1	9	2	24
17+50W	<5	<0.2	4	2	7	8	40
18+00W	<5	<0.2	6	3	6	8	66

As indicated in the foregoing table, results for all elements are low. The first sample collected (0+00W) returned weakly anomalous gold, silver and copper values. This point is near the western contact of early Jurassic volcanic rocks; much of the remainder of the sample line is underlain by Cretaceous quartz monzonites of the Goatcanyon Creek stock. Three of the westernmost samples collected (14+00W, 16+00W, 16+50W) contained weakly anomalous gold values, in one instance accompanied by slightly elevated lead

values. These three sample sites, in the central and western part of the Molly reverted Crown granted claim, may be indicative of an as yet undetected mineralized zone. Evidence of historic work on this claim includes the remains of a log cabin and an overgrown access road near sample site 17+50W.

These reverted Crown granted claims, thought to be underlain by Cretaceous granitic rocks, feature abundant, angular float of light grey, micaceous greywacke, suggestive of a possible roof pendant of prospective older rocks similar to the sequences hosting the known gold-bearing zones elsewhere on the Tillicum property.

Rock Sampling - Silver Queen Zone (Black Bear Claim) and Golden Hope Claim

A traverse from the Heino-Money-East Ridge zones, involving a 1 km distance south to Golden Hope Peak and 2 km east to Grey Wolf Mountain, was undertaken to get a better appreciation of the general geological setting and to undertake assessment work on the Golden Hope and Black Bear claims (tenure numbers 255530 and 255531).

Three rock samples were collected from the Black Bear (1) and Golden Hope (2) areas (Figure 7) were tested for the same 35 elements. Locations of these samples, which were determined using a Global Positioning System instrument, are shown on Figure 7 and complete analytical results for sample numbers M751053 - M751055 are listed in Appendix I. The sample from Black Bear area is weakly anomalous for Zn, Mo, and Ag. One of the Golden Hope area samples was weakly anomalous for Ag, and Cu.

4. DATA REVIEW

4.1 AVAILABLE DATA

Project data in the possession of Mr. George Addie, a geologist who has recently been involved in work on the property was acquired. The file boxes and numerous rolls of maps stored at Mr. Addie's home were reviewed by Alar Soever, a Senior Geologist with WGM during a visit to Mr. Addie in Nelson, B.C., from July 3 to 5, 2001.

The data in Mr. Addie's possession consists of summary reports on the property, as well as maps, plans and sections. There is no complete index of all the data which includes a fairly complete record of the exploration and mining history of the Heino-Money zone during the period between 1980 to 1983, plus records of exploration work undertaken on the East Ridge Zone through 1989.

No information was found detailing the exploration of the Silver Queen Zone carried out in 1984 with the exception of some summary results for six drillholes reported in a newsletter from that period which were referred to in a previous section of this report. According to Mr. Addie this data has been lost as it was being stored at the home of the property vendors, the Gustafsons, when it slid into a lake during a landslide.

A list of the more significant reports in the possession of Mr. Addie is included in the References.

4.2 REVIEW OF PROJECT DATA

A review of the project data indicated:

1. There is no detailed geological mapping over most of the current property. Detailed mapping is limited to the central area of the property in the vicinity of the Heino-Money, East Ridge and Grizzly Zones (Figure 9).
2. Previous soil sampling only covered the central part of the property. Usefulness of this soil geochemistry is limited by the fact that most of the samples were only analyzed for Au and Ag (Figure 10). Some samples were also analyzed for Pb (Figure 11). While the Au results correlate with mineralization, a multi-element approach would be useful in defining possible extensions of mineralized environments.
3. Detailed plans and sections are available for the Heino-Money and East Ridge Zones, both as appendices to the geological reports and as working copies of plans and sections. Most are hand drawn.
4. No digital data was available except for a Medsystem database of 1989 vintage, which was found on two 1.44 MB diskettes in Mr. Addie's possession.
5. A comparison of maps from the various reports showed georeferencing problems. Claim, grid, and road locations were inconsistent from map to map. Offsets between maps ranged up to over 100 m.

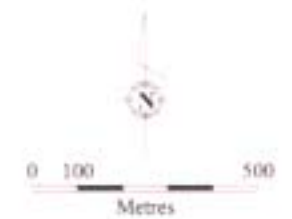
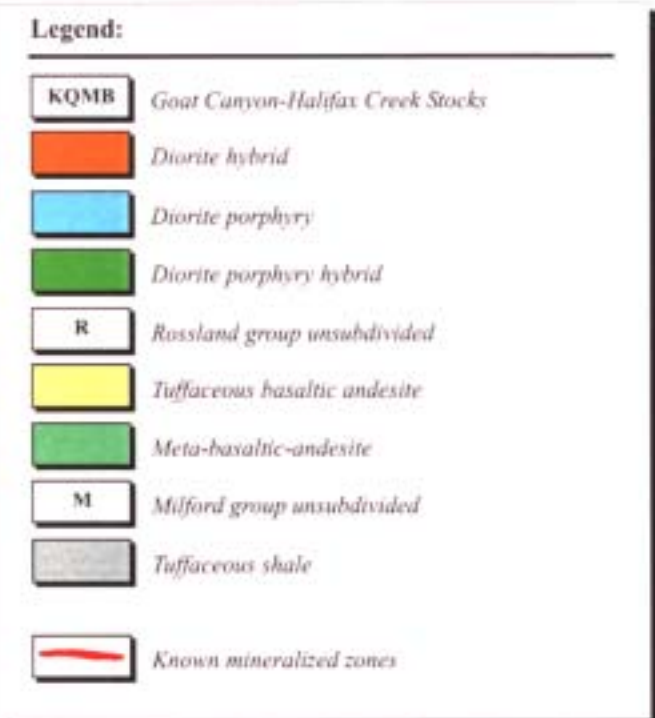
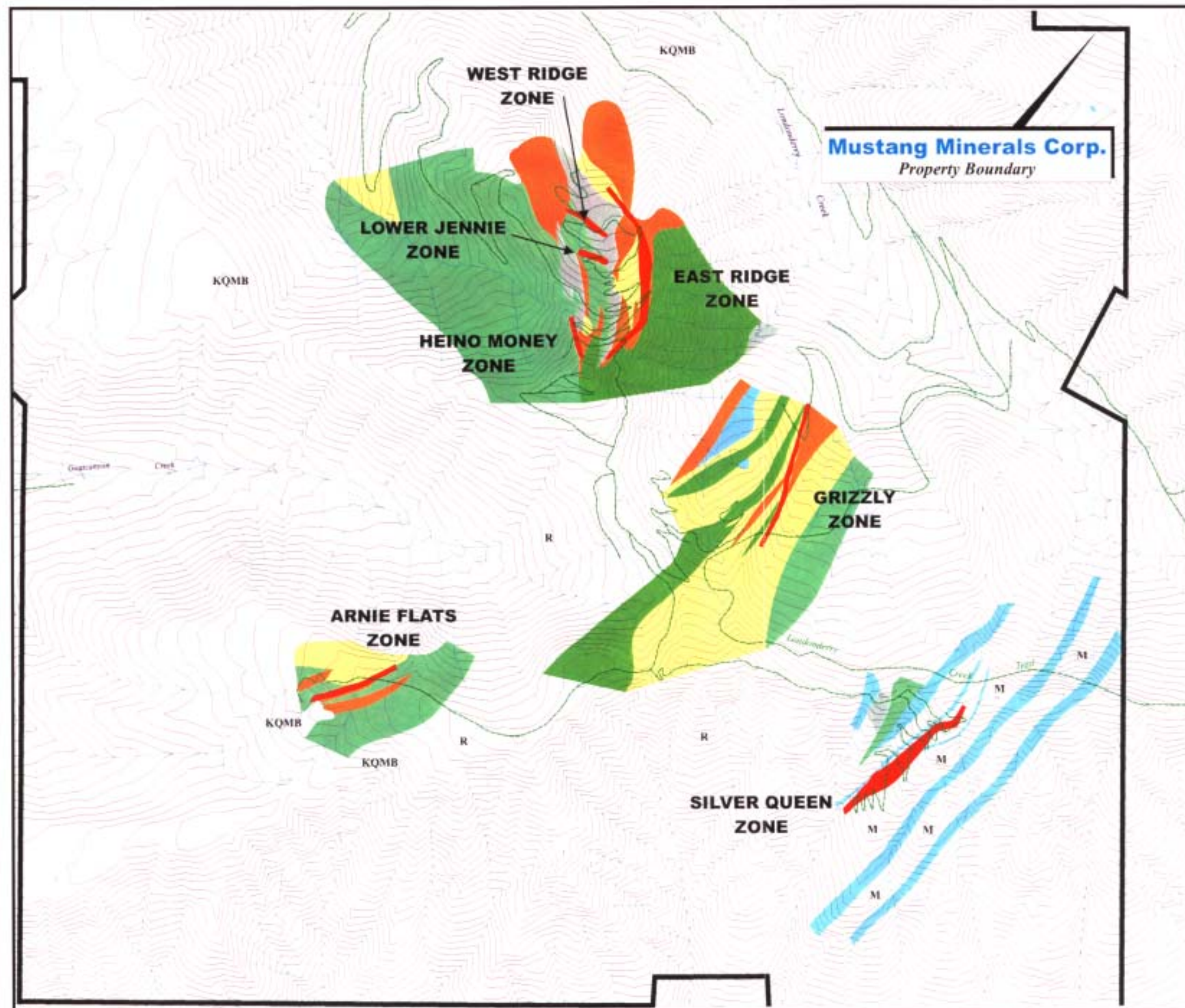
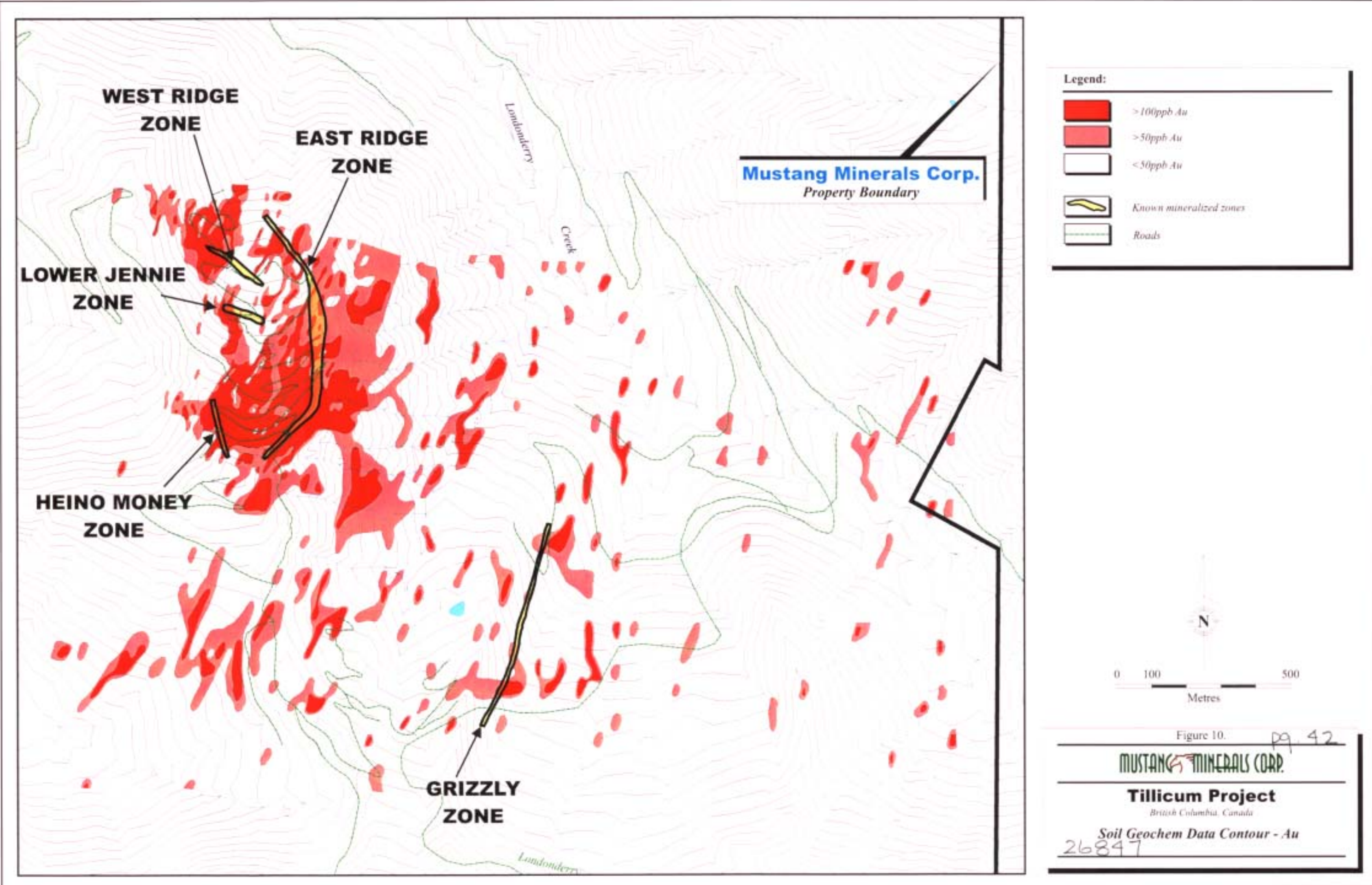


Figure 9. pg. 41

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Detailed Property Geology Map
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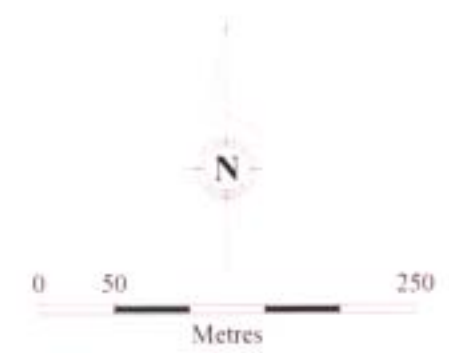
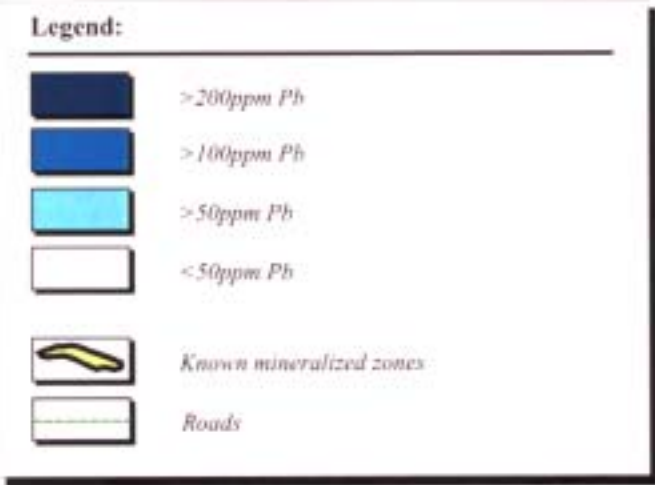
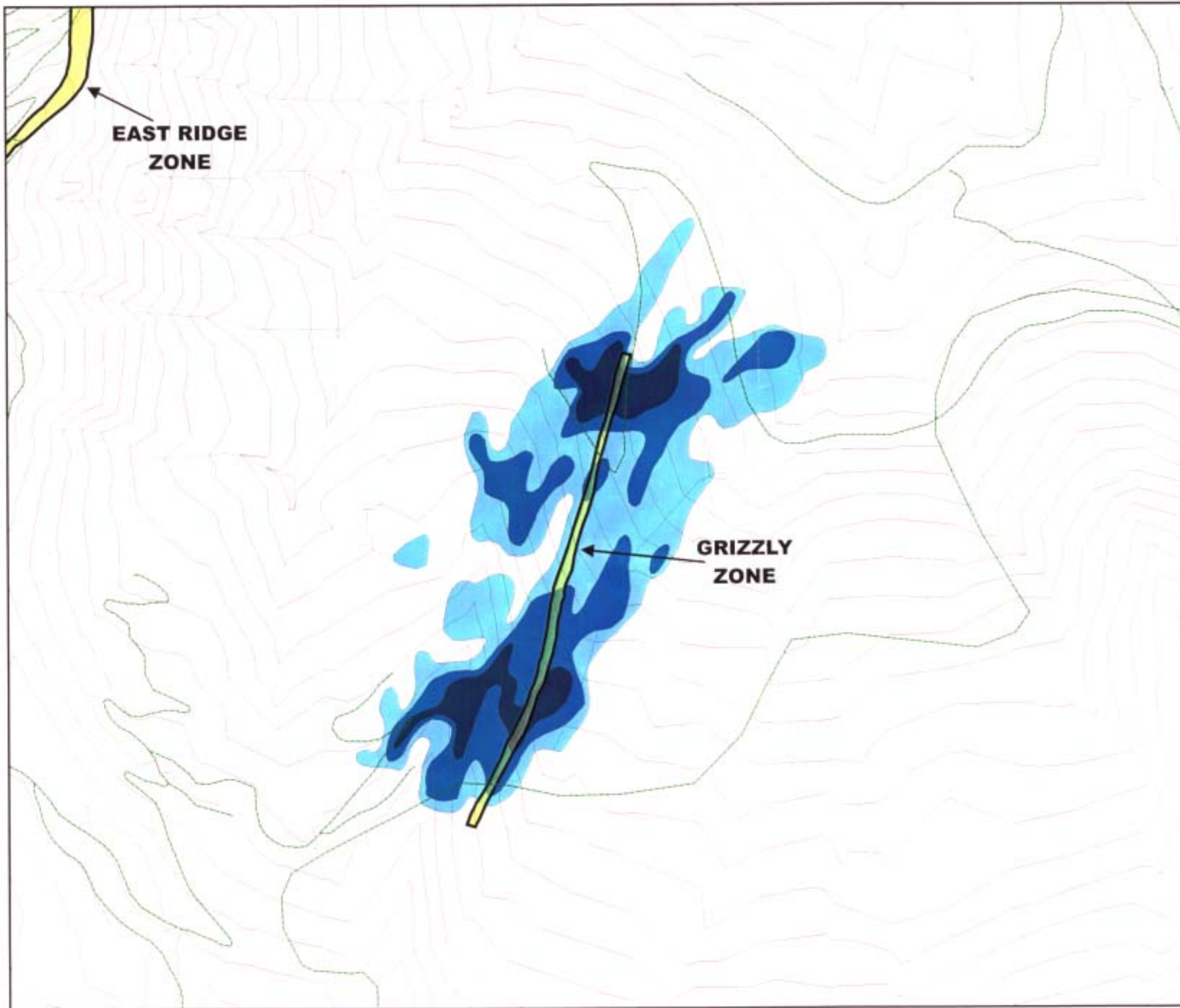


Figure 11. *pg. 43*

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4.3 MEDSYSTEM FILES

The Medsystem files are stored on two diskettes as a series of zip files created on May 11, 1993. These files are as follows:

Defil.zip - Contains what appears to be compositing files and possibly block model files dated up to October, 1989. These appear to relate to the report and ore reserve estimate by Orcan Mineral Associates Ltd.

Esper.zip - Drillhole data and various components of DOS plot files to October 1989, with some updating June, 1992.

Levplot.zip - Medsystem m122 plot files for levels October, 1989.

pxxxx.paa files are assays

pxxxx.pag are geology

vxxxx.paa are outlines

Mdh.zip - individual Medsystem drillhole files to December 8, 1988.

Meddump.zip - Files of assay data, geology data and outlines of workings? Updated to June, 1992.

Secplot.zip - medsystem m122 plot files for sections, October, 1989.

sxxxxn.paa files are assays

sxxxxn.pag files are geology

Ugdata.zip - File is corrupt and cannot be opened.

5. DATA COMPILATION

5.1 CONSTRUCTION OF GEMCOM DATABASE

The Medsystem files were examined and exported into ASCII files suitable for import into the Gemcom modelling program. The data was imported and validated using Gemcom's data validation routines. Section profiles were constructed in GEMCOM to confirm to the sections used by previous workers. Sections and level plans were plotted showing the drillhole data. These were compared to the existing sections, both hand drawn working sections and those appended to the historic reports. It was recognised that some drillholes and assay data were missing. Data for these holes was entered by hand, using the available drill logs and assay certificates.

Topographic data from the TRIM basemap was also imported into GEMCOM.

Mine workings for the 2050, 2116 and 2150 levels on the Heino-Money Zone were digitized and a 3-D model of the workings developed.

Surface geological data from the Heino-Money, East Ridge and Grizzly zones and most of the soil geochemical results of the previous surveys was also incorporated into the digital database.

The resulting Gemcom database includes data from 339 drillholes holes, totalling 28,156.1 m, well as 19 trenches. The database includes 17,042 drillhole assays, 294 trench assays as well as 11,706 lithology records.

This data was then used to generate east west vertical cross sections of both the Heino-Money and East Ridge zones.

A solid model of the mineralized zones was generated using drillhole assay data from both zones. A qualitative 3D solid model of the mineralized zones was generated, based on assay values generally in excess of 5 g/t. This is included on the accompanying CD-ROM.

The digital data format now allows for the generation of three dimensional models of both the mineralization and geology. It also allows for the production of cross-sections, longitudinal sections, and level plans for each of the mineralized lenses.

6. RESULTS OF DIGITAL DATA REVIEW

A summary of the new information and interpretations based on the information generated from the digitized data during the course of this study is as follows:

The solids models generated from the qualitative study of the mineralized zones show the mineralization in each of the zones consists of a number of parallel to sub parallel lenses of varying dimensions.

The mineralized lenses comprising the Heino-Money zone generally strike north to slightly northwest and dip subvertically. These lenses all plunge moderately to the north and often split or bifurcate, either terminating or recombining. Some of the parallel lenses, because of their configuration, remain untested down plunge.

The mineralized lenses in the East Ridge zone are of variable strike and dip. The main lenses strike north to northeast and dip moderately to the west. The northernmost lenses strike somewhat northwest while and the southern lenses strike northeast. Westerly dips vary from moderate to steep. As with the Heino-Money zone, a distinct north plunge is evident.

The new east-west vertical cross sections, generated from the digitized data (see sections in pocket and CD), show for the first time that the mineralization at the south end of the Heino-Money and the southern part of the East Ridge Zone intersects and the highest grades of mineralization are found in this area.

Grades and quantity of mineralization diminish to the north in both of the Heino-Money and East Ridge zones.

The shear and fault structures and mineralized zones identified generally strike and dip in concert with the main mineralized lenses. The projection of the line of intersection of these structural features also plunges to the north where it extends below the level of current drilling.

8. CONCLUSIONS AND RECOMMENDATIONS

8.1 CONCLUSIONS

While the various mineral zones on the Tillicum property have been described as precious metals enriched skarn deposits, mineralization occurs in the form of distinct en-echelon and sub parallel lenses localized along fault or shear structures.

These structures have strikes varying from slightly east to slightly west of north and dip steeply east or moderately west. Additional information beyond the limits of the current drill data is needed to determine more fully the interrelationship and controlling features of these structures.

Post-mineral lamprophyre dyke swarms and which strike north-northeast and dip vertically or nearly so, particularly in the East Ridge zone, may in part explain the segmented nature of this zone. Solids modelling has shown that a number of these lenses or segments are untested down plunge.

The down plunge extension of the intersection of the two main mineralized structures hosting the Heino-Money and East Ridge zones has not been explored at depth. This is one of the areas of highest potential for the discovery of additional mineralization.

Advanced structural studies are recommended to detail the structural history and possible controls of the features controlling the mineralization.

The digital database created during the past year can now be used to select additional potential targets both within the main mineralized zones and other parallel lenses and their down plunge extensions.

The included CD-ROM disc, which contains all the Gemcom data files, the 3D solids model, the surface geology plan, as well as a set of east-west cross sections, will provide all future investigators with the ability to test various interpretive models.

8.2 RECOMMENDATIONS

More detailed deposit modelling of individual mineralized lenses, styles of alteration and variograms of the assay data is recommended to assist in defining drill targets to test the down plunge potential of the mineralized zones.

The areas up-slope of the drainages that showed anomalous gold in the northern claims area should be investigated by detailed field mapping and soil and rock sampling programs with the objective of identifying additional parallel, mineralized structures west of the existing zones.

Investigation of the main Goatcanyon granitic intrusive body for deeper mineralized targets is also warranted. Down hole geophysical surveys of future deeper drillholes and multi-element geochemistry of surface and core samples is recommended.

With respect to management of the current mineral claims, it is recommended that the following options be explored:

It may be possible to have the ten 2-post claims in the central property area included within the TIL #1, #2, #3 and #4 four-post claims. This would effectively eliminate the 2 post claims which result in additional (and unnecessary) assessment requirements. This option, a new feature option of the Mineral Tenure Act, was not available at the time of the initial staking of these claims. It may also be possible to have the four reverted Crown granted mineral claims included as well but the Mining Lease (ML 16977) would obviously remain as a separate entity.

Reclamation measures for the central part of the property are recommended; costs of such programs are allowable for assessment credit.

Specific Programs that are Recommended

Further data modelling

- Create zone by zone grade thickness contours of mineralization and construct block models to establish patterns of the spatial distribution of the mineralized lenses and their relationships with respect to geological structures and features.
- Create a series of artificial level plans of the all mineralized intercepts using fixed cutoff to visualise the relationships between all the lenses and existing adits and identify those mineralized lenses which still remain untested down dip and along strike within the main mineralized area.
- Model the indicated down plunge intersection of the mineralized zones and related fault structures to select best target sites for deeper drilling.

Surface exploration

- Detailed exploration up slope of the northern claims area tested by the 2001 stream sediment sampling program and acquisition of additional claims to cover any favourable sites.
- Detailed mapping of surface geology with special attention to structural features for all the zones.
- Additional sampling/trenching to trace the new zone located by 2001 sampling just east of the Grizzly Zone.

- Diamond drilling is recommended to test down plunge mineralization of main zones.

Estimated Program Costs

Digital data modelling	2months @ 8000/month	\$16,000
Definition of drill targets within min. zone	2 weeks @ \$2,000/week	\$4,000
Detailed surface mapping, sampling	2 months @ 12,000/month	\$24,000
Acquisition of additional claims	3 blocks @ 1,000/block	\$3,000
Test work, trenching of Grizzly zone	1 week @ \$1,200/day	\$6,000
Diamond drilling, main zone	12 holes @ 100m, 1,200 m @ 80/metre	\$96,000
Deep drilling down plunge	8 holes @ 300 m, \$2,400 m @ \$75/metre	\$180,000
Geological drill supervision	4 months @ \$12,000/month	\$48,000
Miscellaneous supplies, equipment rentals		\$35,000
Supervision		<u>\$40,000</u>
Subtotal		\$452,000
Contingencies		<u>\$41,000</u>
Total proposed work - initial follow up phase		\$493,000

COST STATEMENT**Field Program**

July 3 - 5, 10, 11, 28, 30, 31, August 1 - 4, 2001

July 10, 2002 - Survey - Timberland Consultants (2001) Ltd. \$1,273.30

Wages

N.C. Carter (July 10,11,28,30,31, August 1-4, 2002 7.4 days @ \$700/day \$5,200.00

G.G. Addie (July 3-5,31, August 1-3,2002) 6.4 days @ \$500/day \$3,200.00

D. Murray (July 31, August 1-3, 2001) 4 days @ \$200/day \$800.00

Subtotal \$9,200.00Travel Expenses

July 30, August 3,4, 2001 Travel to Nakusp from Victoria and Nelson \$581.32

July 30,31, August 1-3, 2001 Vehicle rentals - access to property from Nakusp \$475.00

Subtotal \$1,056.32Accommodation, Meals

July 30 - August 4, 2001 - Nakusp \$1,197.92

Analytical Costs

15 stream sediment samples @ \$24.75/sample \$371.25

50 soil samples @ \$21.85/sample \$1,092.50

Sampling supplies, sample shipment costs \$68.79

Subtotal \$1,532.54**Total Field Expenditures** **\$14,260.08****Data Collection, Digitization and Interpretation**

Travel to Nelson, Alar Soever, July 3, 2002 \$1,424.08

Data collection, Alar Soever, July 3,4, 5, 2002, 3.0 days @ \$1057 \$3,171.00

Digitization etc Edmund Thorose, August 8,9,10,13,14,20,22, 23,24,27,29,30,

September 20,21, 2002, 14 days @ 518 \$7,252.00

Interpretation Joe Hinzer, September 20,21, 2002, 2 days @ 1057 \$2,114.00

Total Database Construction and New Geological Interpretation **\$13,961.08****Report Preparation**

N.C. Carter, December 10-12, 18, 2001, April 8,9,15,16,2002,

6.4 days @ \$700/day \$4,500.00

WGM peer review J.B. Hinzer, April 11, 12, 2002, 2.0 days @ \$1,057 \$2,114.00

WGM drafting final maps, April 4,5,8,9,10,11, 2002, 6.0 days @ \$546 \$3,276.00

Report preparation, printing, binding \$1350.00**Total report preparation** **\$11,240.00****Grand Total**

Field Program \$14,260.08

Data Upgrade \$13,961.08

Report Preparation \$11,240.00**Total** **\$39,461.00**

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STATEMENT OF QUALIFICATIONS

George G. Addie, P.Eng.

1989 - Present Consulting Geologist

1974 - 1989 District Geologist, Nelson, B.C., B.C. Ministry of Energy Mines and
Petroleum Resources

1959 - 1974 Mine Geologist Rio Algom Mines Ltd.
Bralorne-Pioneer Gold Mines Ltd.
Phoenix Copper Mines Ltd.
Cominco Ltd. - Sullivan mine
Pend Oreille Mines Ltd.
Reeves MacDonald mine
Consulting geologist - J.C. Sproule & Associates Ltd., Calgary

Doug Murray

Doug Murray, of Salmo, B.C., has been involved in mineral exploration in British Columbia for the past 18 years. Experience includes soil sampling, line-cutting, claim staking and core splitting.

Companies worked for include Noranda Exploration, Quintana Minerals, US Borax and the Lang Mining group.

Areas and properties worked include Vancouver Island, the Blackdome gold deposit northwest of Lytton, and numerous prospects and deposits in southeastern B.C. including Canex tungsten-lead-zinc property, Red Bird zinc property and most recently the Kena gold prospect of Sultan Minerals Corp.

STATEMENT OF QUALIFICATIONS

Joe B. Hinzer

Joe B Hinzer, holds a BSc in Earth Science from the University of Waterloo,(1971) and an M.Sc. from the University of Western Ontario, (1977) and has been working full time as a geologist in both North America and Africa for over 30 years. Experience includes:

1972-1980 Mattagami Lake Mines Limited, exploration geologist.

1980-1981 Union Oil of Canada Limited, sr. geologist base and precious metals

1981-1989 Consulting geologist, North America

1989-1997 Eden Roc Minerals Corp. Sr V.P. Exploration, (general manager SOMIAF)

1997-2001 Consulting Geologist, Sr. associate WGM

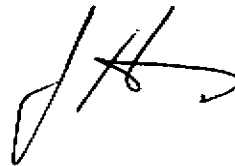
2002-present Sr. geologist WGM

Mr. Hinzer has worked extensively in all aspect of exploration, including development and mining of both gold and base metal deposits in Archean terrain in Canada and Birimian deposits of West Africa. He has had previous experience with similar younger vein type and structurally controlled types of mineralization from his research and reconnaissance exploration work in the Headly Mining camp and exploration in the Oatman district in Arizona.

He worked closely with Mr. Alar Soever who collected the field data, and collaborated with Mr. Edmond Thorose who did the digitization, and prepared the data to produce the sections and 3D models and reviewed the report prepared by Mr. Nick Carter.

Mr. Hinzer resides at 6395 Russell Street, Niagara Falls, Ontario L2J 1P4 and has been working with WGM as an associate since 1997 and full time since 2002.

Mr. Hinzer is a fellow of the GAC, member of CIM, PDAC and APGO (P.Geo. registration pending).



Joe Hinzer, M.Sc.
Senior Geologist
April 22, 2002

AUTHOR'S QUALIFICATIONS

I, Nicholas C. Carter, of 1410 Wende Road, Victoria, British Columbia, do hereby certify that:

1. I am a Consulting Geologist, registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1966.
2. I am a graduate of the University of New Brunswick with B.Sc.(1960), Michigan Technological University with M.S. (1962) and the University of British Columbia with Ph.D. (1974).
3. I have practiced my profession in eastern and western Canada, parts of the United States and abroad for more than 30 years.
4. The foregoing assessment report on the Tillicum Gold Property is based in part on a review of data pertaining to the geological setting and styles of mineralization of the Tillicum gold property, on personal observations derived from an examination of the subject property between July 30 and August 3, 2001 and on findings of the comprehensive data compilation and review undertaken at the offices of Watts Griffis and McOuat, Consulting Geologists and Engineers, Toronto. This part of the assessment work program was supervised by Alar Soever, P.Geo. and by Joe B. Hinzer who assisted in the preparation of the foregoing report.



N.C. Carter, Ph.D. P.Eng.
Victoria, B.C.
April 22, 2002

STATEMENT OF QUALIFICATIONS

Alar Soever, P.Geol.

Alar Soever graduated from the University of Toronto in 1978 with a B.Sc. in Geology, and has been practicing his profession continuously since that time. He is a Professional Geoscientist (P.Geol.) in the Association of Professional Engineers and Geoscientists of Saskatchewan (Member Number 10907). He is also a Fellow of the GAC, and a member of the CIM, and PDAC. His registration with the Association of Professional Geologists of Ontario is pending.

He is a Senior Geologist with Watts Griffis and McOuat Limited, a firm of consulting geologists and engineers, which has been authorized to practice professional engineering by the Professional Engineers Ontario since 1969 and resides at 104 Caithness Avenue, Toronto, Ontario, Canada, M4J 3Y1.

Mr. Soever has over 20 years experience in the mineral exploration industry. He has extensive hands-on experience in work ranging from conception, planning and implementation of regional reconnaissance surveys to planning, supervision and execution of underground exploration programs.

He has worked on a number of gold projects both in Canada and overseas.

As Chief Mine Geologist, Mr. Soever planned and organized surface and underground exploration work on the Theresa Mine gold property, Ontario. He was responsible for supervising a staff of ten geologists and samplers, and initiated the implementation of proper geological procedures and sampling methods.

Mr. Soever was also involved in underground exploration on two other gold properties in Ontario and Quebec. Work carried out included planning and geological supervision of underground development and sampling.

Mr. Soever was responsible for the data collection and synthesis pertaining to the Tillicum project. He travelled to BC, collected the relevant data and supervised Mr. Thorose during data compilation.

**APPENDIX I:
ANALYTICAL RESULTS**



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CARTER, N. C.

1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Page Number : 1-A
 Total Pages : 2
 Certificate Date: 05-SEP-2001
 Invoice No. : 10123380
 P.O. Number :
 Account : OUC

Project :
 Comments: ATTN: N.C. CARTER

CERTIFICATE OF ANALYSIS A0123380

SAMPLE	PREP CODE	Weight Au ppb Kg FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	
JULY31-01-0+00	94069407	0.48	80	0.4	3.55	18	< 10	120	1.0	< 2	0.14	< 0.5	9	41	110	5.45	< 10	< 1	0.57	< 10
JULY31-01-0+20W	94069407	0.32	65	0.6	3.69	22	< 10	100	1.0	< 2	0.09	< 0.5	5	51	68	4.29	< 10	< 1	0.49	< 10
JULY31-01-0+40W	94069407	0.30	95	0.4	3.35	8	< 10	120	1.0	< 2	0.07	< 0.5	4	56	60	4.43	< 10	< 1	0.63	< 10
JULY31-01-0+60W	94069407	0.30	260	1.0	3.74	26	< 10	90	1.0	< 2	0.14	< 0.5	9	52	96	4.64	< 10	< 1	0.56	< 10
JULY31-01-0+80W	94069407	0.26	85	0.8	3.45	18	< 10	100	1.0	< 2	0.09	< 0.5	4	54	62	4.30	< 10	< 1	0.67	< 10
JULY31-01-1+00W	94069407	0.26	275	2.0	3.57	54	< 10	80	1.0	< 2	0.07	< 0.5	4	62	72	4.25	< 10	< 1	0.94	< 10
JULY31-01-1+20W	94069407	0.26	295	3.0	3.08	32	< 10	60	1.0	2	0.16	0.5	4	46	78	4.34	< 10	< 1	0.53	< 10
JULY31-01-1+40W	94069407	0.34	40	1.4	3.32	14	< 10	70	1.0	< 2	0.11	< 0.5	5	45	81	4.62	< 10	< 1	0.37	< 10
JULY31-01-1+60W	94069407	0.28	20	0.6	3.59	10	< 10	60	1.0	< 2	0.09	< 0.5	6	40	76	5.39	< 10	< 1	0.36	< 10
JULY31-01-1+80W	94069407	0.28	15	0.4	4.96	28	< 10	70	1.5	< 2	0.24	< 0.5	9	29	57	4.44	10	< 1	0.08	< 10
JULY31-01-2+00W	94069407	0.28	15	0.2	4.29	44	< 10	60	1.0	< 2	0.15	< 0.5	12	35	93	4.72	< 10	< 1	0.09	< 10
JULY31-01-0+10E	94069407	0.42	80	1.0	2.90	10	< 10	80	0.5	< 2	0.05	< 0.5	3	32	96	4.79	< 10	< 1	0.46	< 10
JULY31-01-0+30E	94069407	0.40	80	0.4	3.61	28	< 10	80	1.0	< 2	0.11	0.5	11	47	183	5.24	< 10	< 1	0.51	< 10
JULY31-01-0+40E	94069407	0.28	65	0.6	3.51	28	< 10	80	1.0	< 2	0.14	1.5	52	51	154	4.72	< 10	< 1	0.53	< 10
JULY31-01-0+60E	94069407	0.38	120	< 0.2	2.80	42	< 10	50	0.5	< 2	0.06	< 0.5	8	24	183	5.07	< 10	< 1	0.42	< 10
JULY31-01-50E	94069407	0.18	180	1.6	2.14	10	< 10	50	0.5	< 2	0.10	2.0	7	32	47	3.48	< 10	< 1	0.24	< 10
JULY31-01-60E	94069407	0.14	20	1.8	2.75	8	< 10	40	0.5	4	0.16	2.0	74	25	160	2.97	< 10	< 1	0.18	< 10
JULY31-01-70E	94069407	0.12	20	1.2	2.78	8	< 10	50	0.5	< 2	0.23	3.5	97	24	171	3.03	< 10	< 1	0.23	< 10
JULY31-01-80E	94069407	0.18	35	0.6	2.15	6	< 10	100	0.5	< 2	0.07	0.5	4	42	47	4.94	< 10	< 1	0.26	< 10
JULY31-01-90E	94069407	0.12	30	0.8	2.73	10	< 10	80	0.5	< 2	0.12	< 0.5	3	58	40	3.90	< 10	< 1	0.58	< 10
JULY31-01-100E	94069407	0.14	20	0.2	2.54	16	< 10	50	0.5	< 2	0.11	< 0.5	9	27	68	3.99	< 10	< 1	0.19	< 10
JULY31-01-110E	94069407	0.16	20	0.6	2.26	8	< 10	60	0.5	< 2	0.13	< 0.5	16	39	57	4.58	< 10	< 1	0.28	< 10
JULY31-01-120E	94069407	0.16	15	0.2	1.52	8	< 10	40	0.5	2	0.14	< 0.5	8	19	35	2.95	< 10	< 1	0.19	< 10
JULY31-01-130E	94069407	0.16	< 5	0.8	2.83	8	< 10	80	0.5	< 2	0.13	0.5	20	33	50	3.66	< 10	< 1	0.39	< 10
AUG3-01-0+00W	94069407	0.22	20	0.8	3.28	6	< 10	60	1.0	< 2	0.11	< 0.5	17	64	73	4.49	< 10	< 1	0.10	< 10
AUG3-01-0+50W	94069407	0.20	< 5	0.6	2.51	2	< 10	60	0.5	< 2	0.08	< 0.5	13	36	59	3.80	< 10	< 1	0.05	< 10
AUG3-01-1+00W	94069407	0.18	< 5	0.6	3.03	< 2	< 10	70	0.5	< 2	0.07	< 0.5	9	10	36	3.24	< 10	< 1	0.12	< 10
AUG3-01-1+50W	94069407	0.24	< 5	0.6	3.62	2	< 10	50	0.5	< 2	0.10	< 0.5	4	16	14	2.48	< 10	< 1	0.10	< 10
AUG3-01-2+00W	94069407	0.24	< 5	0.6	2.40	4	< 10	40	0.5	< 2	0.05	< 0.5	4	18	14	3.62	10	< 1	0.06	< 10
AUG3-01-2+50W	94069407	0.16	< 5	0.2	3.70	2	< 10	20	0.5	< 2	0.02	< 0.5	2	10	5	2.44	10	< 1	0.01	< 10
AUG3-01-3+00W	94069407	0.24	< 5	0.2	3.06	< 2	< 10	70	0.5	< 2	0.17	< 0.5	5	14	12	3.68	10	< 1	0.18	10
AUG3-01-3+50W	94069407	0.26	< 5	0.4	4.24	2	< 10	30	0.5	< 2	0.09	< 0.5	1	8	7	2.31	10	< 1	0.08	< 10
AUG3-01-4+00W	94069407	0.26	< 5	0.2	4.16	2	< 10	140	0.5	< 2	0.33	< 0.5	5	30	11	3.13	10	< 1	0.06	10
AUG3-01-4+50W	94069407	0.22	< 5	0.4	1.75	< 2	< 10	40	< 0.5	< 2	0.05	< 0.5	3	7	7	2.20	10	< 1	0.05	< 10
AUG3-01-5+00W	94069407	0.22	< 5	0.6	3.84	< 2	< 10	40	0.5	< 2	0.06	< 0.5	3	14	9	3.57	10	< 1	0.05	< 10
AUG3-01-5+50W	94069407	0.20	< 5	0.4	2.71	< 2	< 10	70	0.5	< 2	0.16	< 0.5	5	45	10	2.65	10	< 1	0.05	< 10
AUG3-01-6+00W	94069407	0.22	< 5	1.4	5.42	< 2	< 10	40	1.0	< 2	0.04	< 0.5	3	8	9	1.84	< 10	< 1	0.03	< 10
AUG3-01-6+50W	94069407	0.22	< 5	0.2	3.85	2	< 10	40	1.0	< 2	0.05	< 0.5	3	12	7	3.20	10	< 1	0.09	< 10
AUG3-01-7+00W	94069407	0.16	< 5	0.6	6.06	< 2	< 10	30	1.0	< 2	0.03	< 0.5	2	11	7	2.20	10	< 1	0.03	< 10
AUG3-01-7+50W	94069407	0.22	< 5	0.2	3.53	4	< 10	80	1.0	< 2	0.06	< 0.5	4	32	8	3.56	10	< 1	0.08	< 10

CERTIFICATION:



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CARTER, N. C.

1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Project:
 Comments: ATTN: N.C. CARTER

Page Number : 1-B
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 Certificate Date: 05-SEP-2001
 Invoice No. : 10123380
 P.O. Number :
 Account : OJO

CERTIFICATE OF ANALYSIS

A0123380

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
JULY31-01-0+00	94069407	1.21	475	5	0.01	15	950	100	0.13	< 2	8	46	0.14	< 10	< 10	156	20	140
JULY31-01-0+20W	94069407	1.06	355	6	0.01	10	790	280	0.16	< 2	8	42	0.13	< 10	< 10	184	< 10	118
JULY31-01-0+40W	94069407	1.20	390	9	0.01	9	770	160	0.18	< 2	10	44	0.14	< 10	< 10	225	< 10	100
JULY31-01-0+60W	94069407	1.14	460	7	0.01	15	910	302	0.17	< 2	9	54	0.13	< 10	< 10	184	< 10	154
JULY31-01-0+80W	94069407	1.22	470	9	0.01	9	690	372	0.19	< 2	10	43	0.15	< 10	< 10	219	< 10	156
JULY31-01-1+00W	94069407	1.51	575	8	0.01	6	630	684	0.21	2	12	38	0.17	< 10	< 10	233	< 10	180
JULY31-01-1+20W	94069407	1.03	395	8	0.01	9	820	866	0.24	< 2	9	73	0.12	< 10	< 10	182	< 10	256
JULY31-01-1+40W	94069407	0.98	370	7	< 0.01	12	890	190	0.17	< 2	7	50	0.11	< 10	< 10	161	< 10	122
JULY31-01-1+60W	94069407	1.18	435	2	< 0.01	11	930	68	0.15	< 2	9	92	0.16	< 10	< 10	178	< 10	100
JULY31-01-1+80W	94069407	0.73	445	5	< 0.01	13	1230	64	0.06	< 2	5	38	0.06	< 10	< 10	103	< 10	128
JULY31-01-2+00W	94069407	0.89	545	5	< 0.01	20	1120	36	0.05	< 2	4	29	0.09	< 10	< 10	116	< 10	154
JULY31-01-0+10E	94069407	0.84	355	4	< 0.01	6	1120	52	0.16	< 2	6	30	0.11	< 10	< 10	131	10	80
JULY31-01-0+30E	94069407	1.11	495	6	0.01	15	780	104	0.12	< 2	7	30	0.13	< 10	< 10	161	< 10	196
JULY31-01-0+40E	94069407	1.10	990	7	0.01	12	780	72	0.12	< 2	7	30	0.13	< 10	< 10	189	< 10	206
JULY31-01-0+60E	94069407	0.55	225	8	< 0.01	5	1060	24	0.25	< 2	4	29	0.10	< 10	< 10	87	10	116
JULY31-01-50E	94069407	0.59	475	4	< 0.01	8	420	56	0.06	< 2	3	17	0.13	< 10	< 10	137	< 10	106
JULY31-01-60E	94069407	0.54	1130	8	< 0.01	13	690	62	0.08	< 2	1	16	0.06	< 10	< 10	91	< 10	200
JULY31-01-70E	94069407	0.58	1320	9	< 0.01	24	890	74	0.10	< 2	1	19	0.05	< 10	< 10	86	< 10	246
JULY31-01-80E	94069407	0.87	360	8	0.01	6	520	78	0.10	< 2	6	25	0.14	< 10	< 10	176	< 10	100
JULY31-01-90E	94069407	1.06	375	7	< 0.01	5	640	104	0.09	< 2	8	23	0.13	< 10	< 10	238	< 10	82
JULY31-01-100E	94069407	0.63	310	6	< 0.01	10	860	38	0.05	2	2	15	0.09	< 10	< 10	98	10	98
JULY31-01-110E	94069407	1.03	405	7	< 0.01	16	830	12	0.06	< 2	2	14	0.11	< 10	< 10	115	< 10	80
JULY31-01-120E	94069407	0.52	260	13	< 0.01	8	850	12	0.08	< 2	< 1	17	0.06	< 10	< 10	77	< 10	80
JULY31-01-130E	94069407	0.79	445	7	< 0.01	15	840	8	0.07	< 2	1	14	0.08	< 10	< 10	105	< 10	90
AUG3-01-0+00W	94069407	1.34	900	2	< 0.01	24	640	16	0.03	< 2	3	18	0.12	< 10	< 10	131	< 10	152
AUG3-01-0+50W	94069407	0.72	1010	3	< 0.01	17	670	26	0.03	< 2	1	13	0.10	< 10	< 10	85	< 10	116
AUG3-01-1+00W	94069407	0.73	240	< 1	< 0.01	8	630	4	0.03	< 2	1	11	0.12	< 10	< 10	88	< 10	58
AUG3-01-1+50W	94069407	0.36	325	2	< 0.01	9	730	8	0.04	< 2	1	67	0.07	< 10	< 10	42	< 10	74
AUG3-01-2+00W	94069407	0.32	230	2	< 0.01	9	830	8	0.04	< 2	< 1	23	0.06	< 10	< 10	51	< 10	76
AUG3-01-2+50W	94069407	0.13	70	2	< 0.01	5	510	6	0.04	< 2	1	13	0.08	< 10	< 10	40	< 10	28
AUG3-01-3+00W	94069407	0.46	345	3	< 0.01	9	960	8	0.03	< 2	1	52	0.09	< 10	< 10	53	< 10	98
AUG3-01-3+50W	94069407	0.18	205	3	< 0.01	4	1420	4	0.04	< 2	1	27	0.07	< 10	< 10	30	< 10	58
AUG3-01-4+00W	94069407	0.43	230	3	0.01	17	1390	2	0.04	< 2	2	182	0.07	< 10	< 10	47	< 10	70
AUG3-01-4+50W	94069407	0.14	125	< 1	< 0.01	5	570	6	0.01	< 2	< 1	26	0.04	< 10	< 10	37	< 10	38
AUG3-01-5+00W	94069407	0.25	235	3	< 0.01	7	1600	8	0.04	< 2	1	37	0.09	< 10	< 10	50	< 10	64
AUG3-01-5+50W	94069407	0.48	270	2	0.01	20	760	8	0.02	6	1	60	0.09	< 10	< 10	51	< 10	56
AUG3-01-6+00W	94069407	0.13	160	4	< 0.01	5	1410	6	0.03	< 2	1	16	0.10	< 10	< 10	29	< 10	46
AUG3-01-6+50W	94069407	0.27	250	1	< 0.01	6	1030	8	0.02	< 2	2	22	0.13	< 10	< 10	51	< 10	70
AUG3-01-7+00W	94069407	0.11	135	5	< 0.01	4	1120	< 2	0.03	< 2	2	10	0.10	< 10	< 10	33	< 10	32
AUG3-01-7+50W	94069407	0.36	170	3	< 0.01	9	1350	8	0.02	< 2	3	46	0.16	< 10	< 10	66	< 10	50

CERTIFICATION: _____



ALS Chemex

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 212 Brooksbank Ave., North Vancouver
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To: CARTER, N. C.

1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

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CERTIFICATE OF ANALYSIS

A0123380

SAMPLE	PREP CODE	Weight Au ppb		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
		Kg	FA+AA																	
AUG3-01-8+00W	94069407	0.28	< 5	0.2	4.86	2	< 10	80	1.5	< 2	0.16	< 0.5	6	22	13	4.12	10	< 1	0.16	10
AUG3-01-8+50W	94069407	0.20	< 5	0.2	7.04	< 2	< 10	40	1.5	< 2	0.04	< 0.5	4	17	9	2.85	10	< 1	0.04	< 10
AUG3-01-9+00W	94069407	0.28	< 5	< 0.2	4.41	4	< 10	60	1.5	< 2	0.12	< 0.5	12	38	20	4.44	10	< 1	0.11	10
AUG3-01-9+50W	94069407	0.24	< 5	< 0.2	4.38	4	< 10	50	1.0	< 2	0.05	< 0.5	4	17	8	3.18	10	< 1	0.06	< 10
AUG3-01-10+00W	94069407	0.26	< 5	0.2	2.09	2	< 10	60	0.5	< 2	0.05	< 0.5	3	13	6	2.57	10	< 1	0.06	< 10
AUG3-01-10+50W	94069407	0.24	< 5	< 0.2	4.80	6	< 10	40	1.5	< 2	0.12	< 0.5	8	26	12	4.02	10	< 1	0.06	< 10
AUG3-01-11+00W	94069407	0.20	15	< 0.2	3.73	4	< 10	40	1.5	< 2	0.09	< 0.5	6	14	9	2.55	10	< 1	0.07	< 10
AUG3-01-11+50W	94069407	0.22	< 5	< 0.2	4.16	4	< 10	40	1.5	< 2	0.16	< 0.5	7	20	11	3.36	10	< 1	0.14	< 10
AUG3-01-12+00W	94069407	0.26	35	< 0.2	4.23	6	< 10	60	1.5	< 2	0.23	< 0.5	9	17	18	3.00	< 10	< 1	0.11	< 10
AUG3-01-12+50W	94069407	0.32	5	< 0.2	3.61	4	< 10	60	1.5	< 2	0.20	< 0.5	10	22	22	2.95	< 10	< 1	0.14	< 10
AUG3-01-13+00W	94069407	0.24	< 5	0.2	3.05	2	< 10	40	1.0	< 2	0.09	< 0.5	5	16	10	3.10	10	< 1	0.11	< 10
AUG3-01-1350W	94069407	0.20	< 5	0.2	3.77	4	< 10	60	1.0	< 2	0.11	< 0.5	6	14	8	2.30	< 10	< 1	0.10	< 10
AUG3-01-1400W	94069407	0.18	< 5	< 0.2	4.53	2	< 10	50	1.5	< 2	0.19	< 0.5	4	12	10	2.63	10	< 1	0.15	< 10
AUG3-01-1450W	94069407	0.24	115	0.2	2.33	< 2	< 10	40	0.5	< 2	0.07	< 0.5	2	10	6	3.35	10	< 1	0.08	< 10
AUG3-01-1500W	94069407	0.26	< 5	0.2	4.84	8	< 10	90	1.5	< 2	0.31	< 0.5	3	6	8	1.83	10	< 1	0.13	10
AUG3-01-1550W	94069407	0.28	< 5	< 0.2	2.46	< 2	< 10	40	0.5	< 2	0.09	< 0.5	4	10	7	2.22	< 10	< 1	0.09	< 10
AUG3-01-1600W	94069407	0.22	35	0.2	3.47	< 2	< 10	50	1.5	< 2	0.11	< 0.5	7	22	13	2.48	< 10	< 1	0.14	< 10
AUG3-01-1650W	94069407	0.14	15	< 0.2	2.06	2	< 10	30	0.5	< 2	0.05	< 0.5	2	11	7	2.27	10	< 1	0.07	< 10
AUG3-01-1700W	94069407	0.12	< 5	0.2	4.09	< 2	< 10	20	0.5	< 2	0.03	< 0.5	1	7	9	1.72	10	< 1	0.02	< 10
AUG3-01-1750W	94069407	0.14	< 5	< 0.2	3.85	4	< 10	30	1.0	< 2	0.04	< 0.5	2	10	7	2.12	10	< 1	0.04	< 10
AUG3-01-1800W	94069407	0.24	< 5	< 0.2	3.27	6	< 10	20	1.0	< 2	0.05	< 0.5	3	10	6	3.09	10	< 1	0.05	< 10

CERTIFICATION: _____



ALS Chemex

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 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CARTER, N. C.

1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Page Number :2-B
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 Account :OUO

Project :
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CERTIFICATE OF ANALYSIS

A0123380

SAMPLE	FREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
AUG3-01-8+00W	94069407	0.61	395	1 < 0.01		13	1520	10	0.03	< 2	3	42	0.12	< 10	< 10	62	< 10	166
AUG3-01-8+50W	94069407	0.24	215	1 < 0.01		8	1370	< 2	0.04	< 2	3	15	0.13	< 10	< 10	42	< 10	90
AUG3-01-9+00W	94069407	1.15	465	1 < 0.01		50	1200	6	0.01	< 2	4	22	0.11	< 10	< 10	77	< 10	156
AUG3-01-9+50W	94069407	0.37	230	< 1 < 0.01		12	1240	8	0.02	< 2	2	11	0.12	< 10	< 10	51	< 10	108
AUG3-01-10+00W	94069407	0.28	200	1 < 0.01		8	740	8	0.01	< 2	1	9	0.08	< 10	< 10	46	< 10	66
AUG3-01-10+50W	94069407	0.88	305	< 1 < 0.01		12	1780	10	0.02	< 2	4	35	0.19	< 10	< 10	85	< 10	96
AUG3-01-11+00W	94069407	0.56	210	< 1 < 0.01		8	1220	18	0.01	< 2	1	28	0.15	< 10	< 10	54	< 10	66
AUG3-01-11+50W	94069407	0.92	340	< 1 < 0.01		9	900	6	0.02	< 2	3	44	0.19	< 10	< 10	79	< 10	74
AUG3-01-12+00W	94069407	0.88	375	< 1 < 0.01		11	590	14	0.01	< 2	2	73	0.15	< 10	< 10	62	< 10	82
AUG3-01-12+50W	94069407	1.09	435	< 1 < 0.01		13	470	10	0.01	< 2	3	73	0.16	< 10	< 10	69	< 10	90
AUG3-01-13+00W	94069407	0.59	270	< 1 < 0.01		8	350	6	0.03	< 2	1	38	0.15	< 10	< 10	63	< 10	60
AUG3-01-1350W	94069407	0.52	235	< 1 < 0.01		8	470	6	0.03	< 2	1	64	0.12	< 10	< 10	43	< 10	58
AUG3-01-1400W	94069407	0.43	235	< 1 < 0.01		9	740	10	0.01	< 2	2	47	0.12	< 10	< 10	43	< 10	86
AUG3-01-1450W	94069407	0.26	160	1 < 0.01		5	730	22	0.01	< 2	1	60	0.14	< 10	< 10	57	< 10	70
AUG3-01-1500W	94069407	0.28	210	< 1 0.01		6	900	6	0.03	< 2	2	78	0.10	< 10	< 10	28	< 10	66
AUG3-01-1550W	94069407	0.37	180	< 1 < 0.01		5	1080	6	0.02	< 2	1	28	0.11	< 10	< 10	44	< 10	58
AUG3-01-1600W	94069407	0.64	290	< 1 < 0.01		7	1310	8	0.01	< 2	3	33	0.11	< 10	< 10	55	< 10	68
AUG3-01-1650W	94069407	0.36	175	< 1 < 0.01		4	620	8	0.01	< 2	1	21	0.11	< 10	< 10	46	< 10	46
AUG3-01-1700W	94069407	0.10	80	< 1 0.01		3	830	2	0.04	< 2	1	9	0.12	< 10	< 10	29	< 10	24
AUG3-01-1750W	94069407	0.23	140	< 1 < 0.01		4	710	8	0.02	< 2	1	16	0.15	< 10	< 10	37	< 10	40
AUG3-01-1800W	94069407	0.27	535	< 1 < 0.01		4	690	8	0.03	< 2	1	17	0.18	< 10	< 10	48	< 10	66

Aug 31/01 *2001*

CERTIFICATION: _____



ALS Chemex

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 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CARTER, N. C.

1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Page Number : 1-A
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 Certificate Date: 05-SEP-2001
 Invoice No. : 10123382
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 Account : OOU

Project :
 Comments: ATTN: N.C. CARTER

CERTIFICATE OF ANALYSIS

A0123382

SAMPLE	PREP CODE	Weight Kg	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
C.R. #1	94069407	0.42	130	0.6	2.22	6	< 10	60	0.5	< 2	0.23	2.5	67	24	116	2.93	< 10	< 1	0.26	< 10
C.R. #2	94069407	0.40	55	< 0.2	2.41	< 2	< 10	90	< 0.5	4	0.27	1.5	24	47	51	3.41	< 10	< 1	0.69	< 10
AUG1-01-#1	94069407	5.40	125	< 0.2	2.09	8	< 10	110	0.5	< 2	0.72	1.0	9	41	25	2.73	< 10	< 1	0.21	10
AUG1-01-#2	94069407	5.36	250	< 0.2	2.07	2	< 10	70	0.5	< 2	0.57	0.5	8	28	18	2.55	< 10	< 1	0.18	< 10
AUG1-01-#3	94069407	4.72	260	< 0.2	2.16	< 2	< 10	150	0.5	< 2	0.63	0.5	10	58	23	2.82	< 10	< 1	0.19	10
AUG1-01-#4	94069407	4.54	230	< 0.2	2.14	< 2	< 10	80	< 0.5	< 2	0.81	1.0	8	31	21	3.05	< 10	< 1	0.33	< 10
AUG1-01-#5	94069407	4.88	275	< 0.2	2.08	< 2	< 10	70	0.5	< 2	0.86	1.0	8	33	18	2.88	< 10	< 1	0.26	< 10
AUG1-01-#6	94069407	4.76	45	< 0.2	2.23	< 2	< 10	60	1.0	< 2	0.61	1.0	9	48	32	2.87	< 10	< 1	0.15	10
AUG2-01-#7	94069407	4.32	400	< 0.2	2.71	2	< 10	30	1.5	< 2	1.04	1.5	4	18	< 1	3.24	10	< 1	0.19	50
AUG2-01-#8	94069407	4.26	95	< 0.2	2.21	4	< 10	30	1.0	< 2	0.79	1.0	4	17	< 1	2.80	10	< 1	0.16	40
AUG2-01-#9	94069407	5.02	25	< 0.2	2.77	8	< 10	90	0.5	< 2	1.06	1.5	10	46	25	3.16	10	< 1	0.21	10
AUG2-01-#10	94069407	5.00	160	< 0.2	2.97	10	< 10	120	0.5	< 2	1.11	1.5	13	53	29	3.36	10	< 1	0.26	20
AUG2-01-#11	94069407	5.00	170	< 0.2	1.96	20	< 10	90	< 0.5	< 2	0.69	2.0	9	31	26	2.96	< 10	< 1	0.28	< 10
AUG2-01-#12	94069407	4.44	40	< 0.2	2.59	2	< 10	160	0.5	< 2	0.86	2.0	15	51	53	3.25	< 10	< 1	0.43	< 10
AUG2-01-#13	94069407	4.86	20	< 0.2	1.87	28	< 10	90	< 0.5	< 2	0.60	2.5	9	28	27	2.88	< 10	< 1	0.26	< 10

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1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 05-SEP-2001
 Invoice No. : I0123382
 P.O. Number :
 Account : OUC

Project :
 Comments: ATTN: N.C. CARTER

CERTIFICATE OF ANALYSIS

A0123382

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C.R. #1	94069407	0.65	855	7	0.01	22	910	60	0.07	< 2	2	18	0.08	< 10	< 10	85	< 10	264
C.R. #2	94069407	1.13	520	6	0.01	12	930	8	0.06	< 2	6	18	0.11	< 10	< 10	130	< 10	90
AUG1-01-#1	94069407	0.86	445	2	0.01	18	1330	< 2	0.02	< 2	3	91	0.11	< 10	< 10	65	< 10	56
AUG1-01-#2	94069407	0.71	580	3	0.01	13	1480	< 2	0.01	2	2	55	0.11	< 10	< 10	59	< 10	56
AUG1-01-#3	94069407	1.11	575	2	0.01	33	1300	6	0.01	< 2	3	85	0.11	< 10	< 10	61	< 10	62
AUG1-01-#4	94069407	0.95	555	3	0.01	12	1690	6	0.01	< 2	3	72	0.15	< 10	< 10	75	< 10	62
AUG1-01-#5	94069407	1.02	720	2	0.02	22	1560	10	0.04	< 2	3	81	0.12	< 10	< 10	66	< 10	58
AUG1-01-#6	94069407	0.91	940	3	0.01	23	1030	8	0.02	2	3	64	0.10	< 10	< 10	75	< 10	68
AUG2-01-#7	94069407	0.86	715	3	0.01	15	1440	16	0.01	< 2	4	151	0.14	10	< 10	56	< 10	88
AUG2-01-#8	94069407	0.77	625	2	0.01	15	1090	8	< 0.01	< 2	3	112	0.13	10	< 10	49	< 10	74
AUG2-01-#9	94069407	1.22	575	4	0.01	47	1450	8	0.01	< 2	4	170	0.14	< 10	< 10	74	< 10	88
AUG2-01-#10	94069407	1.46	570	4	0.01	54	1440	10	0.01	2	4	168	0.16	< 10	< 10	85	< 10	88
AUG2-01-#11	94069407	1.00	545	3	0.01	12	1770	10	0.03	< 2	3	49	0.11	< 10	< 10	80	< 10	112
AUG2-01-#12	94069407	1.46	585	1	0.01	17	1760	8	0.01	< 2	4	83	0.14	< 10	< 10	95	< 10	92
AUG2-01-#13	94069407	0.91	620	2	0.01	12	1500	10	0.03	2	3	42	0.10	< 10	< 10	82	< 10	134

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CARTER, N. C.

1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 31-AUG-2001
 Invoice No. : I0123370
 P.O. Number :
 Account : OLO

Project :
 Comments: ATTN: N.C. CARTER

CERTIFICATE OF ANALYSIS

A0123370

SAMPLE	PREP CODE	Weight Au		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
		Kg	FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
M751053	94139402	1.82	< 5	0.6	2.41	10	< 10	90	< 0.5	10	0.23	2.0	6	117	34	2.77	< 10	< 1	1.05	< 10
M751054	94139402	1.66	10	1.4	0.97	2	< 10	20	< 0.5	6	0.43	0.5	15	30	135	4.28	< 10	< 1	0.08	< 10
M751055	94139402	1.18	< 5	< 0.2	0.27	< 2	< 10	< 10	< 0.5	4	0.02	< 0.5	< 1	81	22	0.24	< 10	1	0.16	< 10

Rock Samples
Basalt Flow M751053
Gold Hill - M751054, M751055

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: CARTER, N. C.
 1410 WENDE RD.
 VICTORIA, BC
 V8P 3T5

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 31-AUG-2001
 Invoice No. : I0123370
 P.O. Number :
 Account : OOU

Project :
 Comments: ATTN: N.C. CARTER

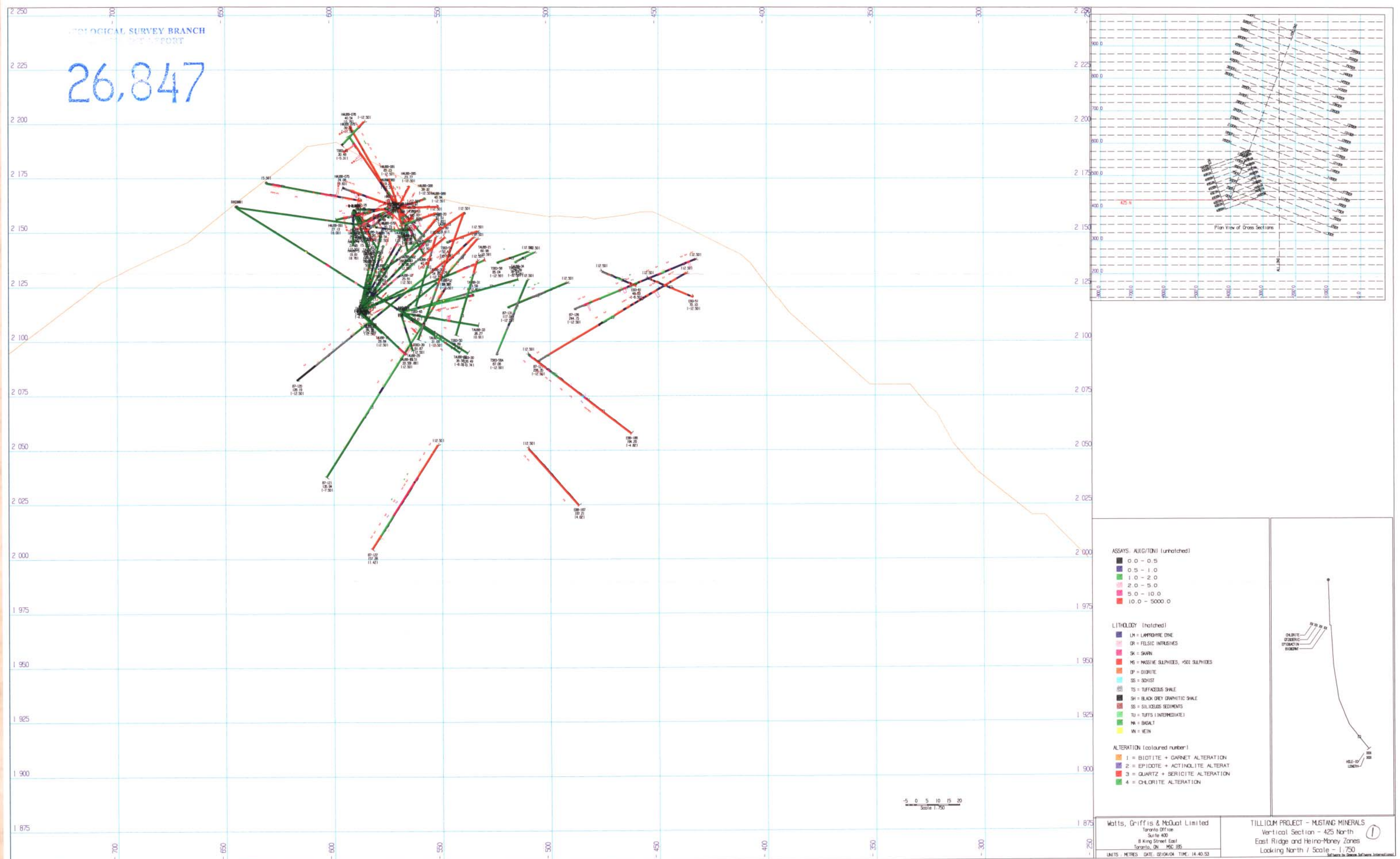
CERTIFICATE OF ANALYSIS

A0123370

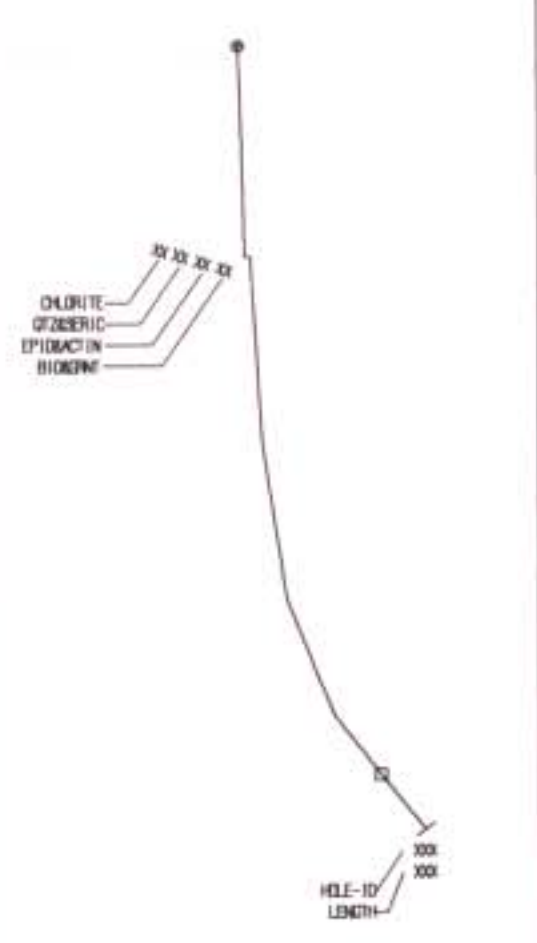
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M751054	94139402	0.27	115	6	0.09	11	1430	< 2	1.03	< 2	1	29	0.06	< 10	< 10	52	< 10	24
M751055	94139402	0.01	130	1	0.05	3	10	2	< 0.01	8	< 1	7	< 0.01	< 10	< 10	1	< 10	8

CERTIFICATION: _____

26,847

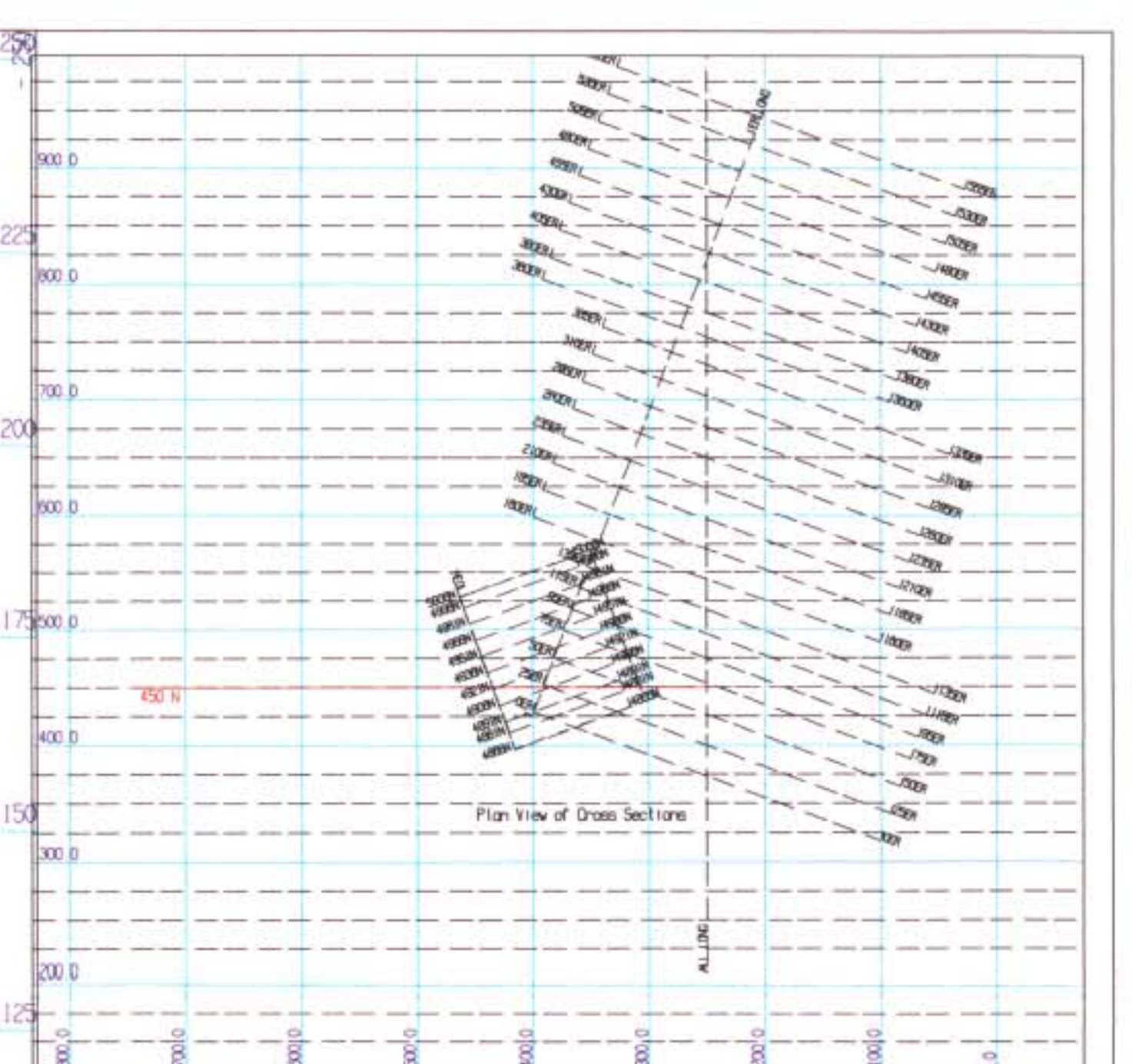
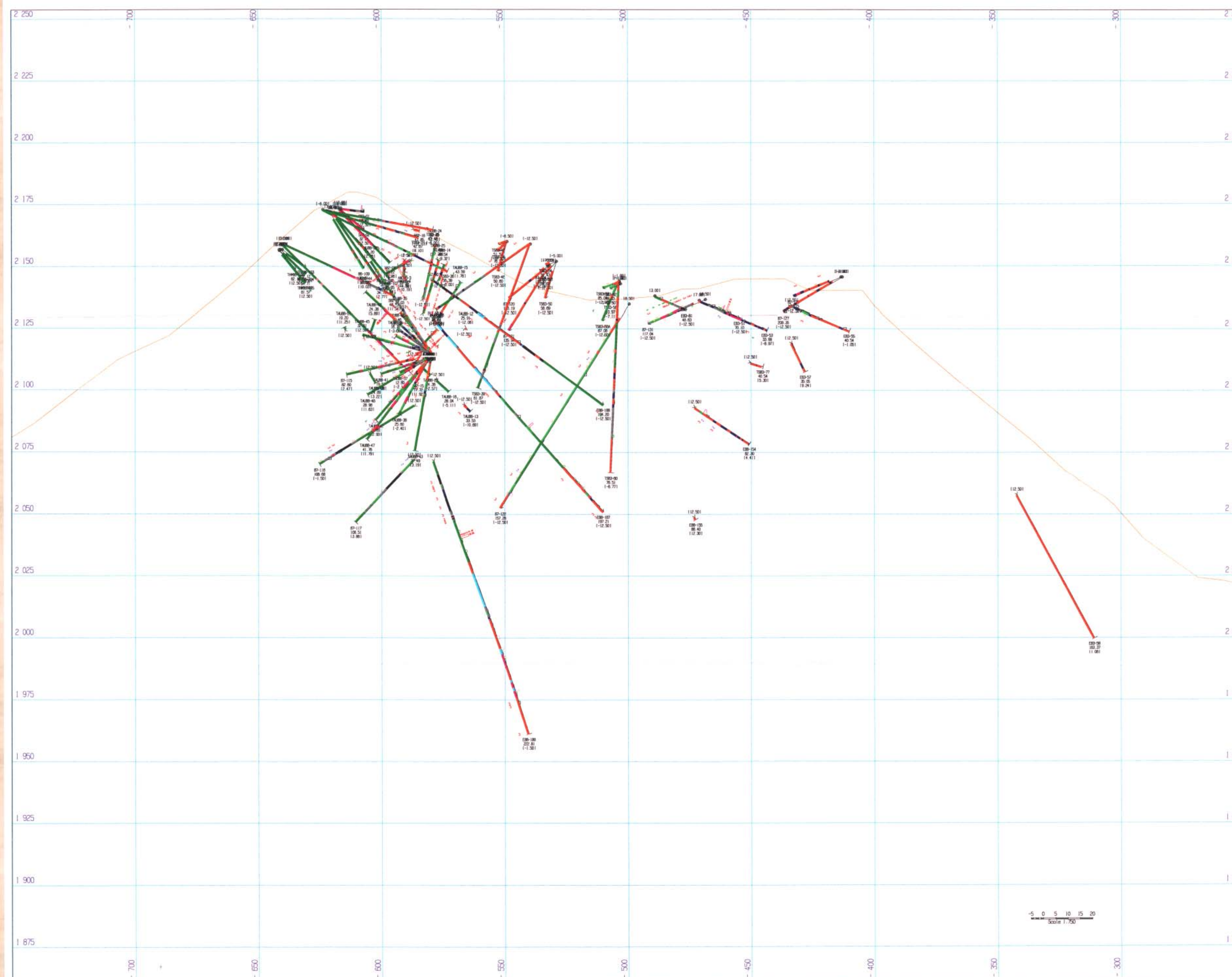


- ASSAYS: AU/G/TON (unhatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LH = LAMPROITE DYKE
 - DR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, >50% SULPHIDES
 - DI = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRAPHITIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - VN = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION



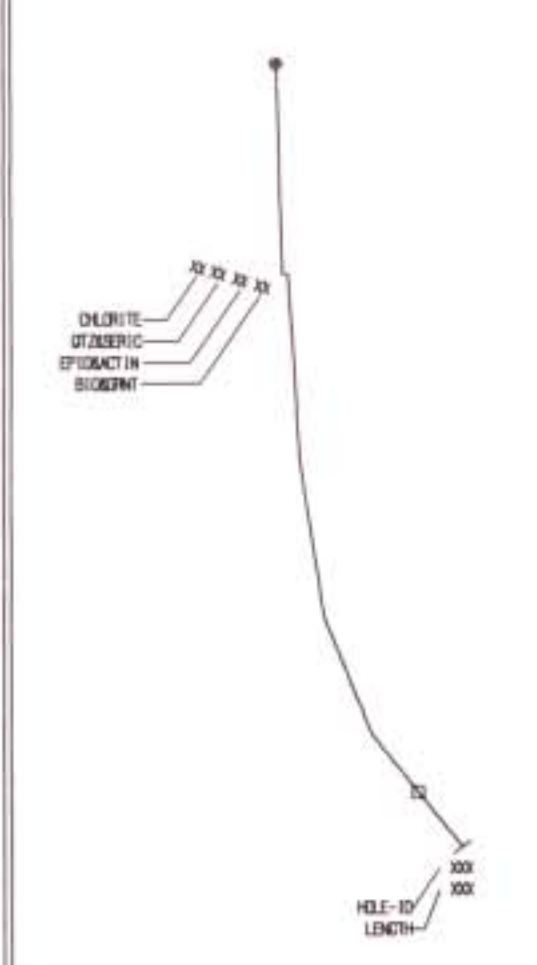
Watts, Griffis & McQuat Limited
Toronto Office
Suite 400
8 King Street East
Toronto, ON M5C 1E5
UNITS: METRES DATE: 02/04/04 TIME: 14:40:53

TILLIQUIM PROJECT - MUSTANG MINERALS
Vertical Section - 425 North
East Ridge and Heino-Money Zones
Looking North / Scale = 1:750



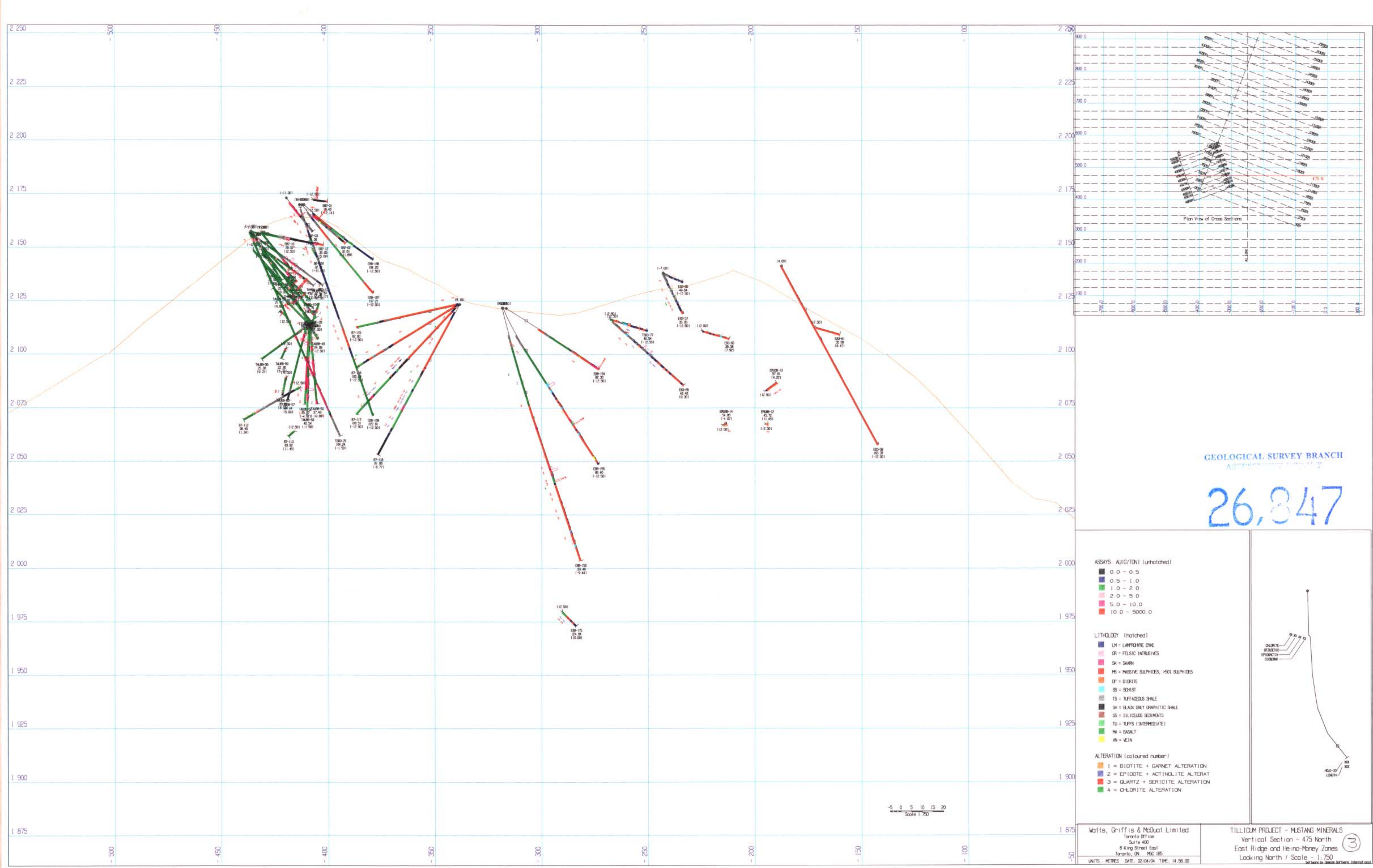
GEOLOGICAL SURVEY BRANCH
 26,847

- ASSAYS: AU/G(TON) (unhatched)
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)
- LH = LAMPROPHY DIKE
 - DI = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, >50% SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRANITIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - VE = VEIN
- ALTERATION (coloured number)
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION



Watts, Griffiths & McQuat Limited
 Toronto Office
 Suite 400
 8 King Street East
 Toronto, ON M5C 1K5

TILLICUM PROJECT - MUSTANG MINERALS
 Vertical Section - 450 North
 East Ridge and Heino-Money Zones
 Looking North / Scale - 1:750



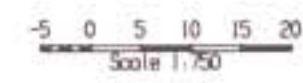
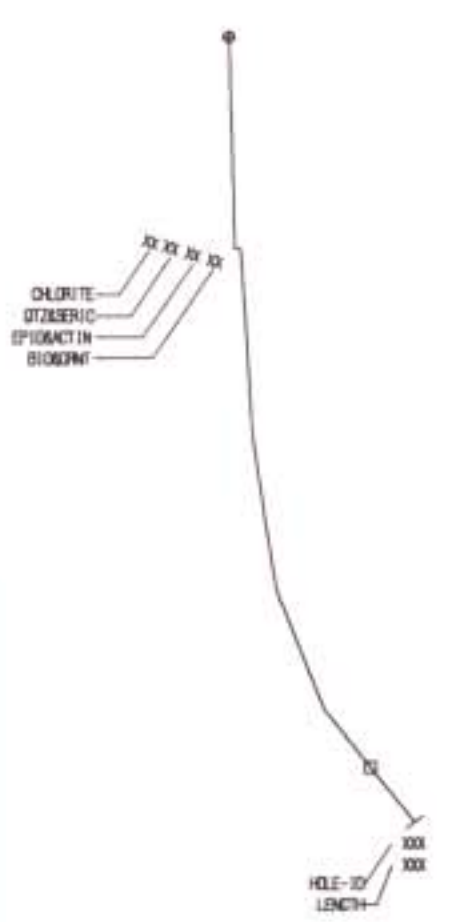
GEOLOGICAL SURVEY BRANCH
 ASSAYING REPORT

26,847

- ASSAYS: Au(g/ton) (hatched)
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0

- LITHOLOGY (hatched)
- LM = LAMPROPHRE DIORE
 - OR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, ±SO₂ SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRANITIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - MI = BASALT
 - VI = VEIN

- ALTERATION (coloured number)
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

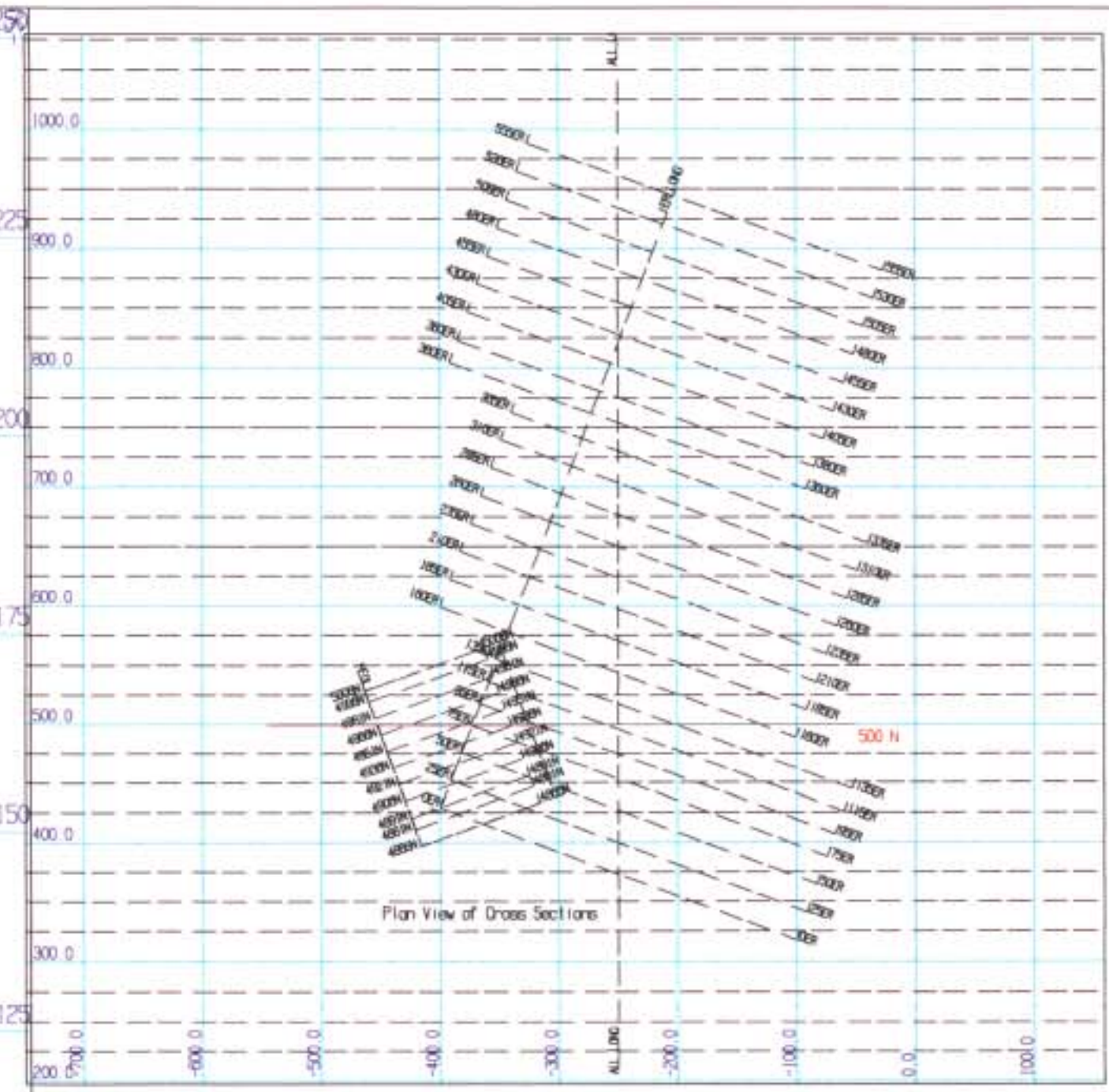
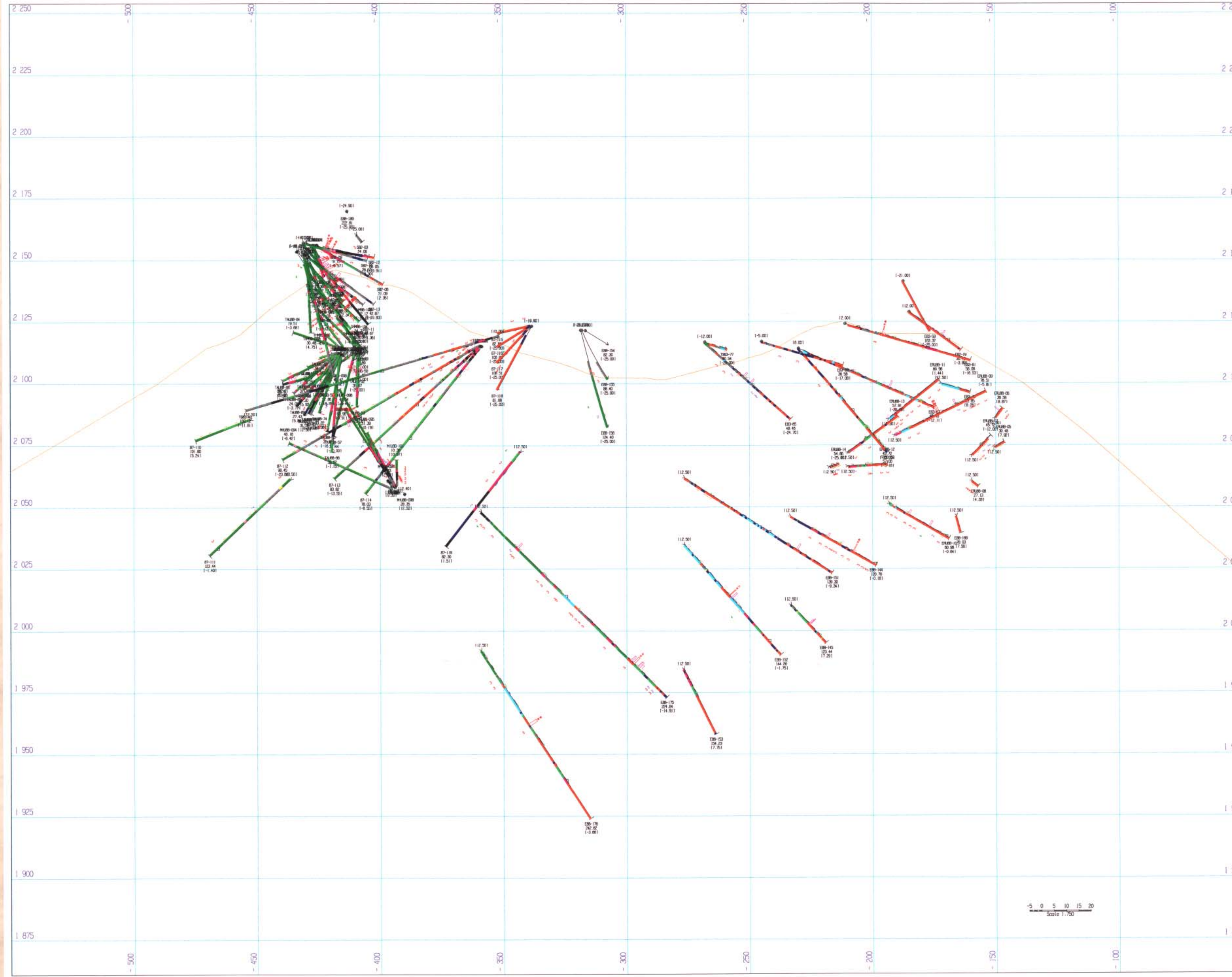


Watts, Griffis & McQuat Limited
 Toronto Office
 Suite 400
 8 King Street East
 Toronto, ON M5C 1B5

TILLICUM PROJECT - MUSTANG MINERALS
 Vertical Section - 475 North
 East Ridge and Heino-Money Zones
 Looking North / Scale - 1:750

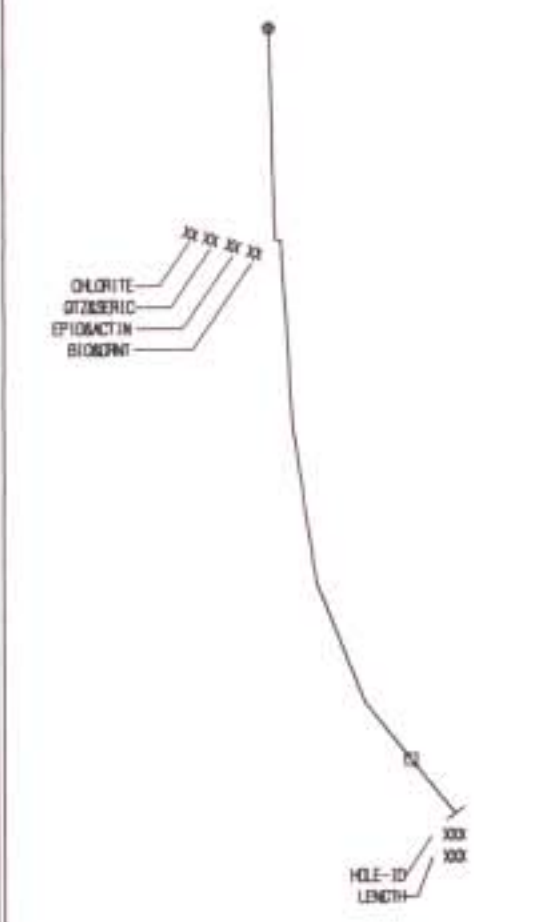
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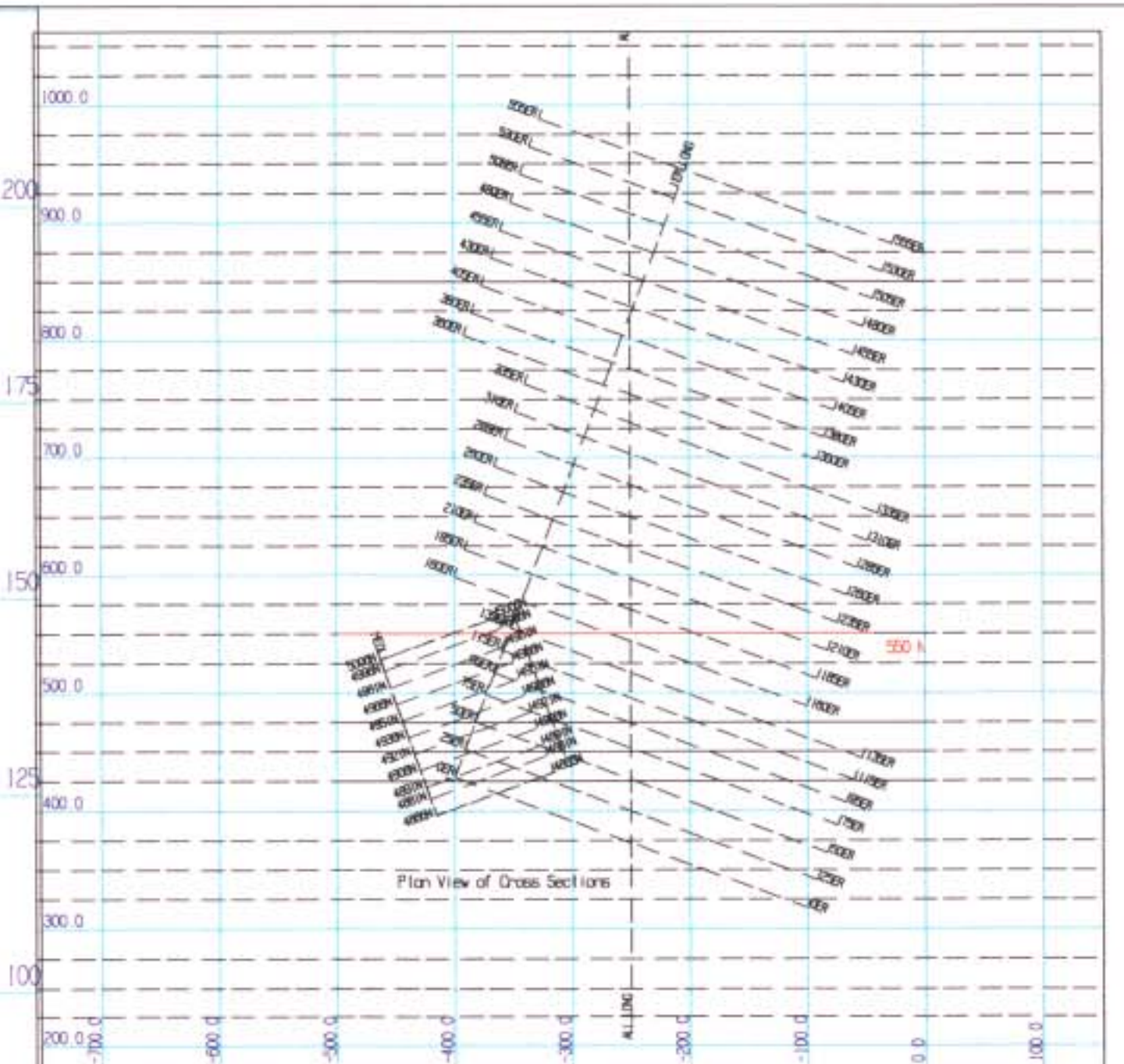
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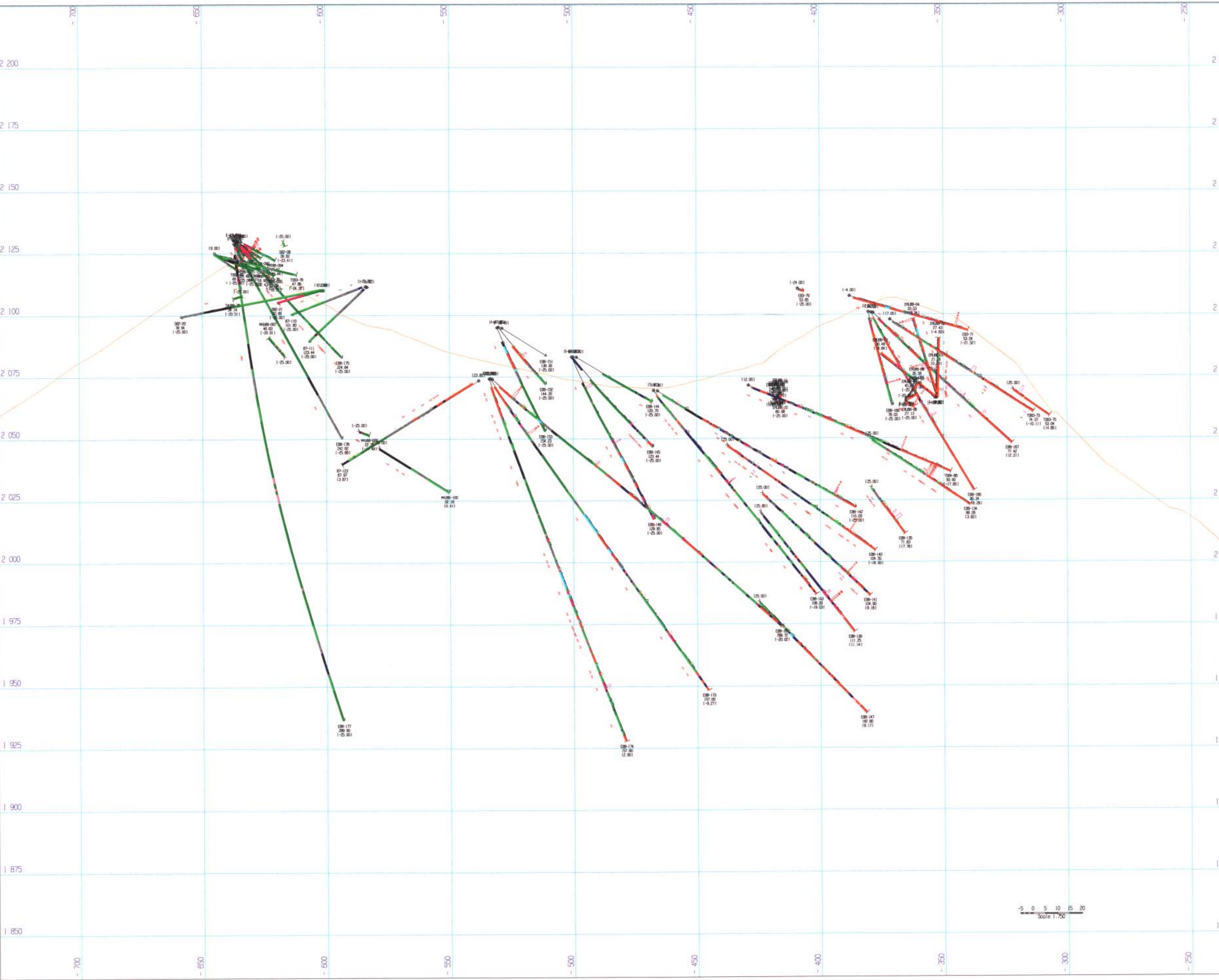
GEOLOGICAL SURVEY BRANCH
 26,347

- ASSAYS: AU/G(TON) (hatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LM = LAMPROIRE DIKE
 - DR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, ±SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRANITIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - MK = MASKIT
 - WV = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

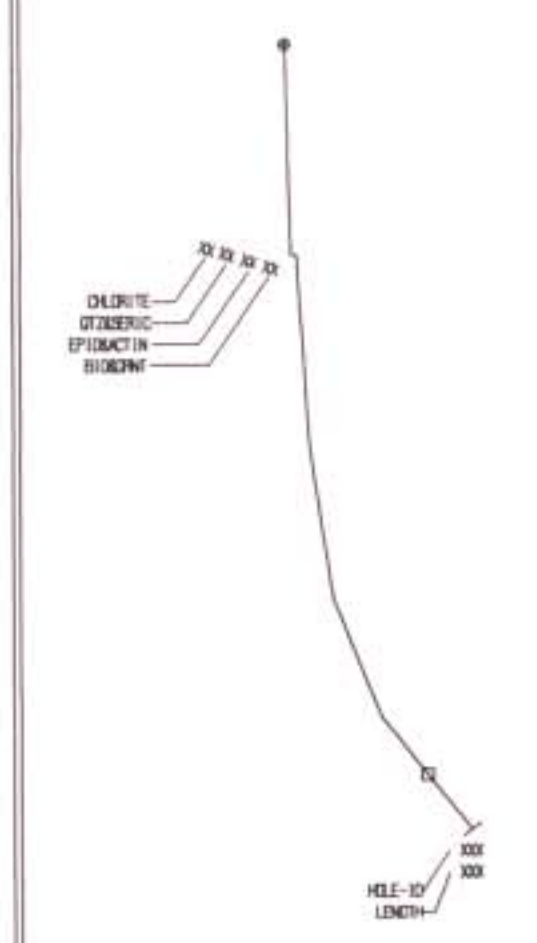


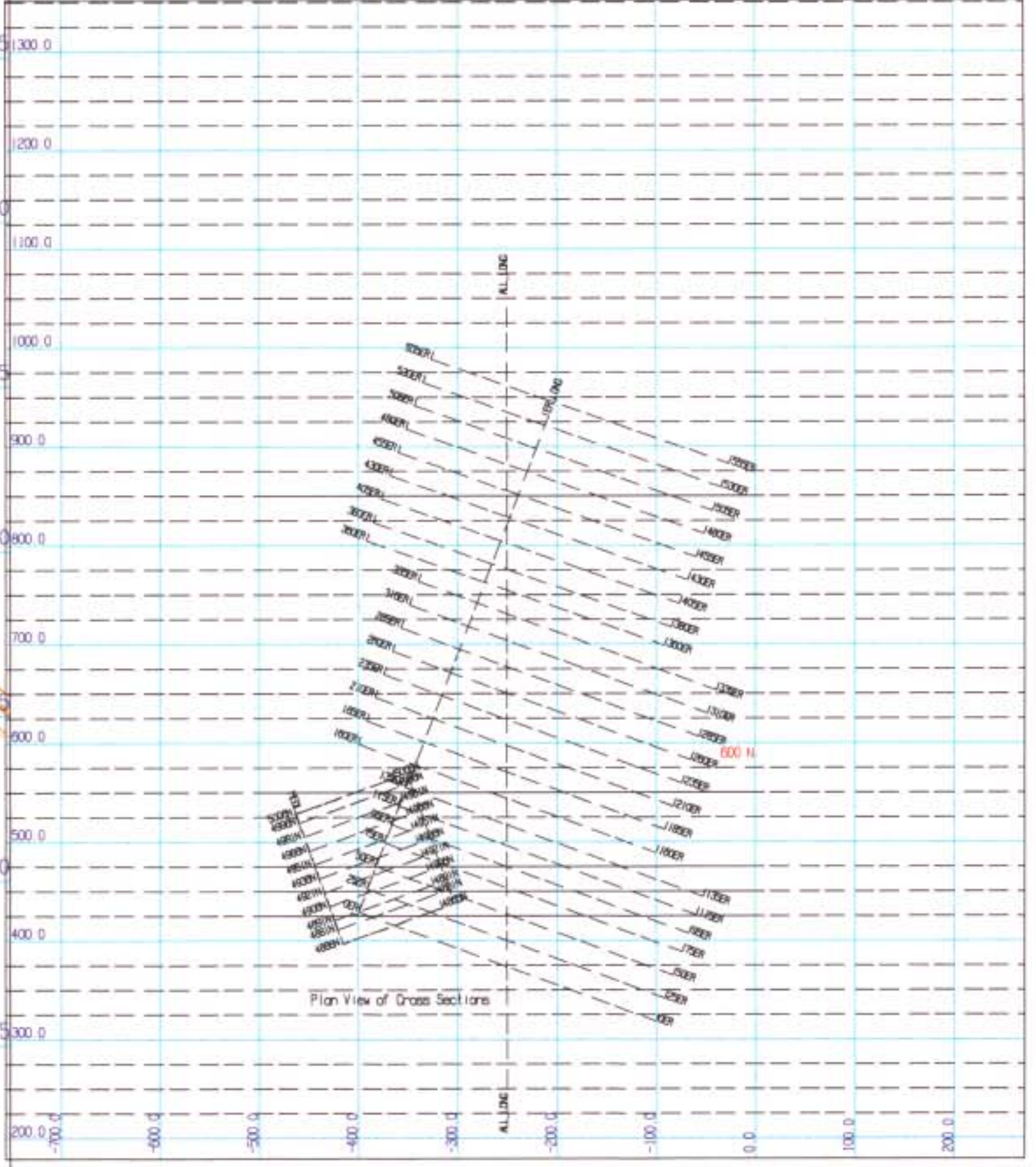


GEOLOGICAL SURVEY BRANCH
ASSESSMENT
26,047



- ASSAYS, AU/G(TON) (unhatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LN = LAMPHRE DYE
 - OR = FELSIC INTRUSIVES
 - SK = SHALE
 - MS = MASSIVE SULPHIDES, >50% SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY ORPHIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - VE = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

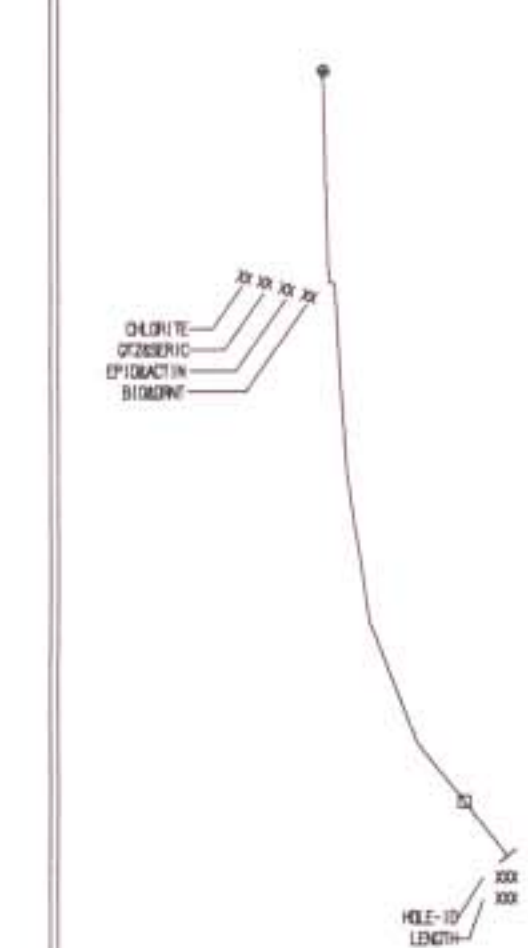


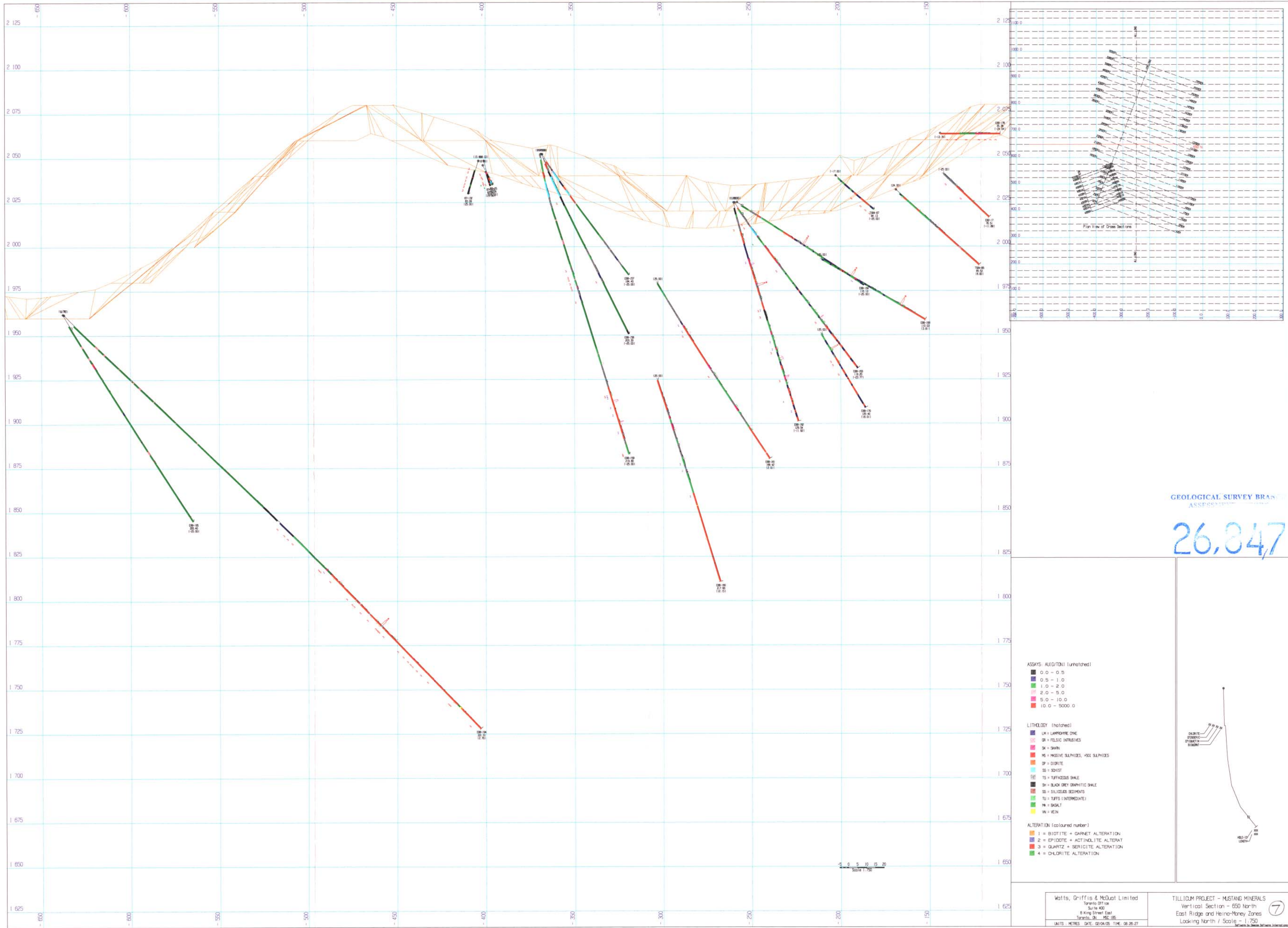


GEOLOGICAL SURVEY BRANCH

26,847

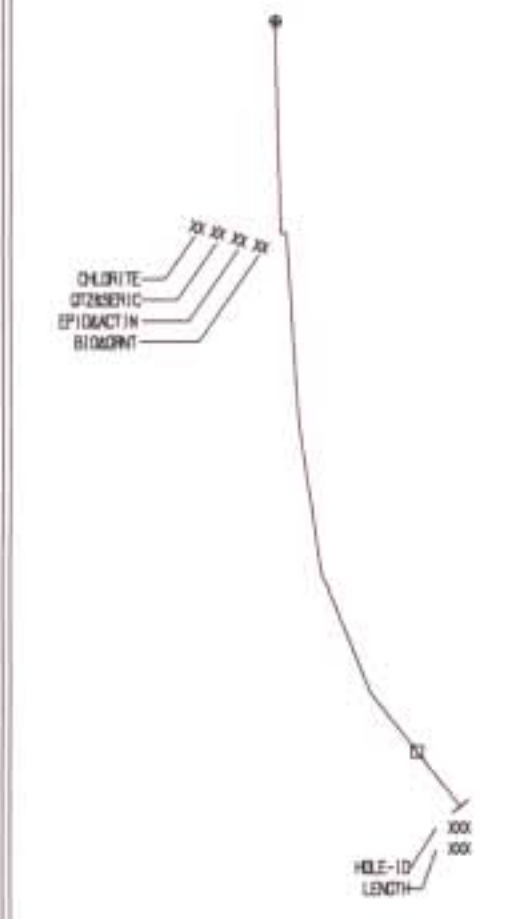
- ASSAYS: AUDITION (hatched)
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)
- LH = LAMPHIRE DYKE
 - GR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, VES. SULPHIDES
 - DP = DORITE
 - SS = SCSST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRANITIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - MA = MSALE
 - VA = VEIN
- ALTERATION (coloured number)
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

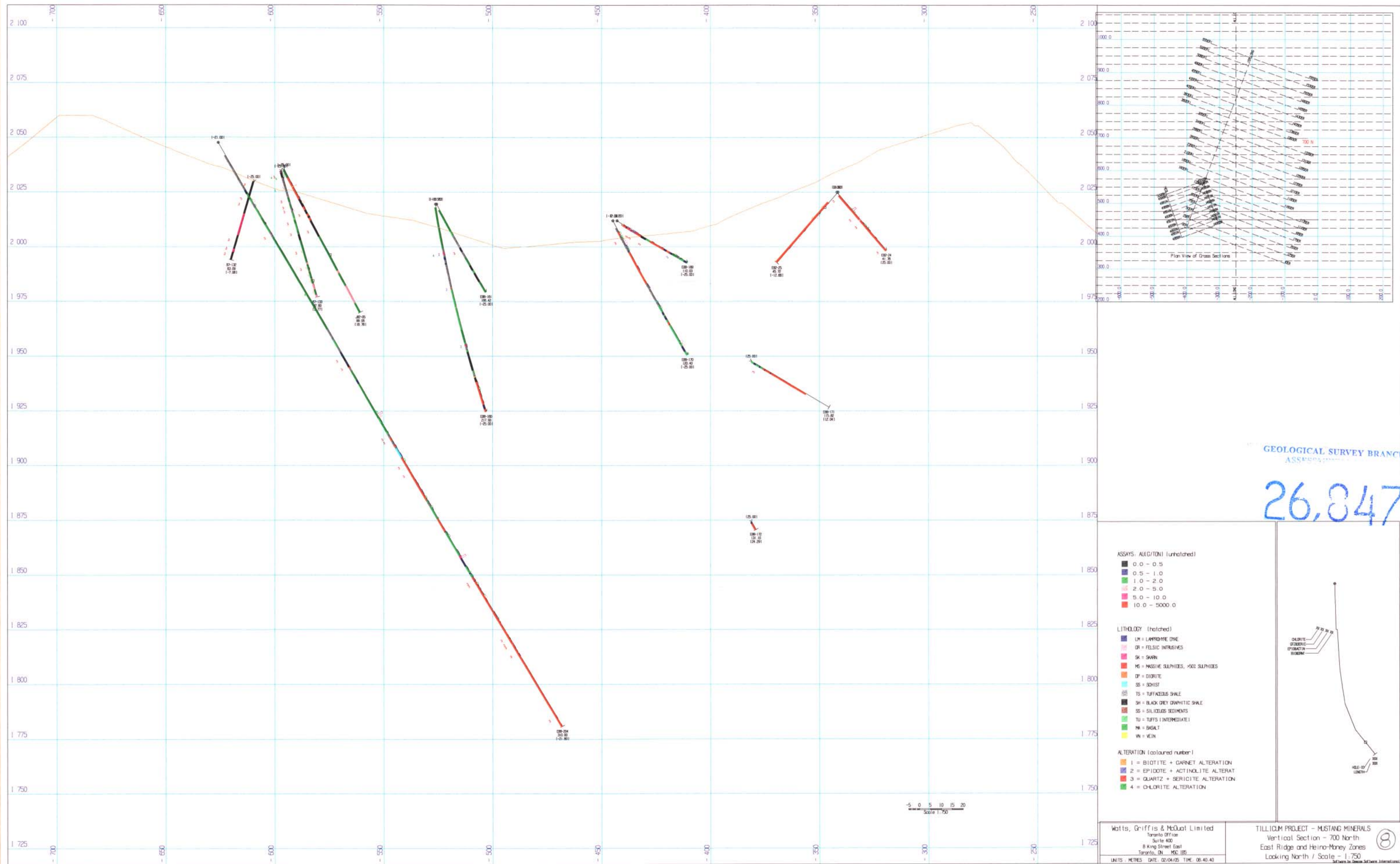




GEOLOGICAL SURVEY BRANCH
ASSESSMENT
26,847

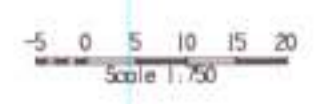
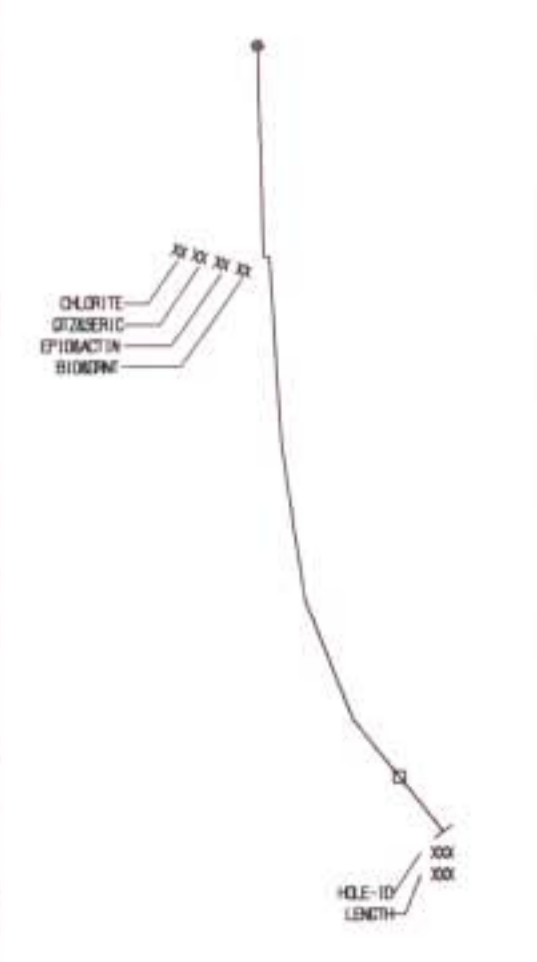
- ASSAYS: ALUMINUM (hatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LM = LAMPYRINE DNE
 - DR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, \pm SI SULPHIDES
 - DP = DORITE
 - SS = SCHIST
 - TS = TUFFAZOIS SHALE
 - SH = BLACK GREY GRANITIC SHALE
 - SS = SILICIFIED SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - VI = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

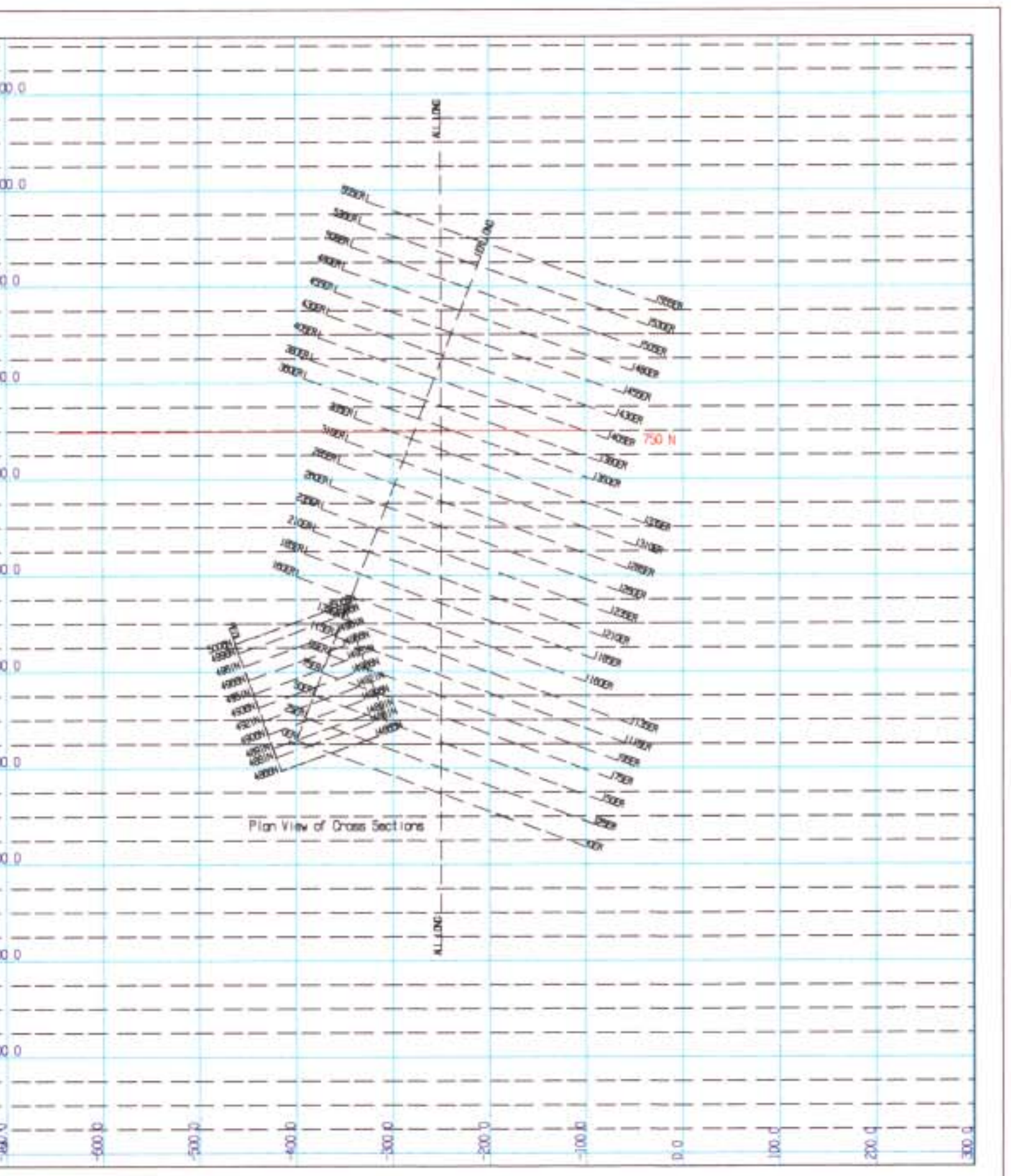
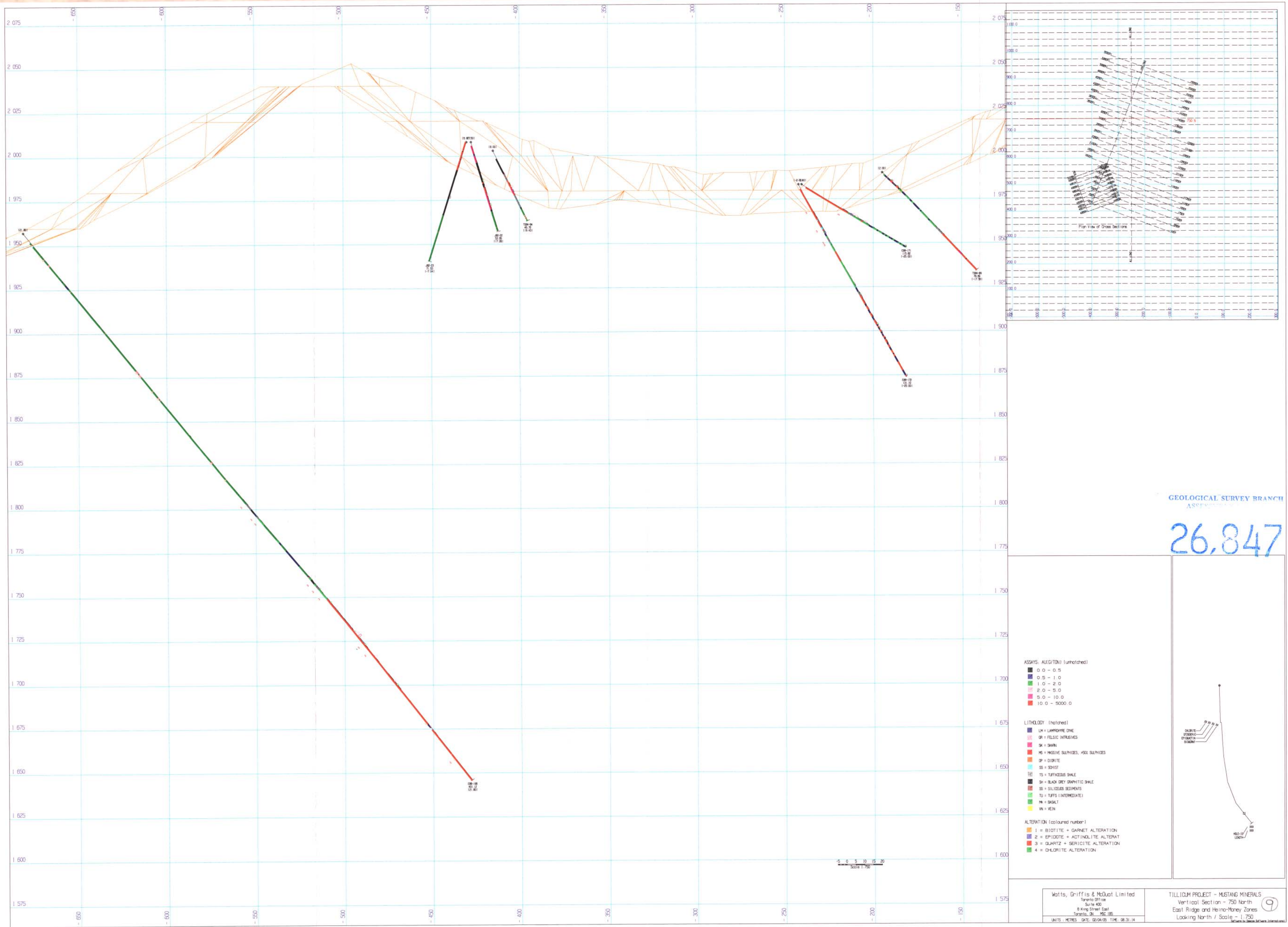




GEOLOGICAL SURVEY BRANCH
ASSESSMENT
26,847

- ASSAYS: AU(G/TON) (hatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LH = LAMPHIRE DYKE
 - DI = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, <50% SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRAPHITIC SHALE
 - RS = SILICIOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - VE = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

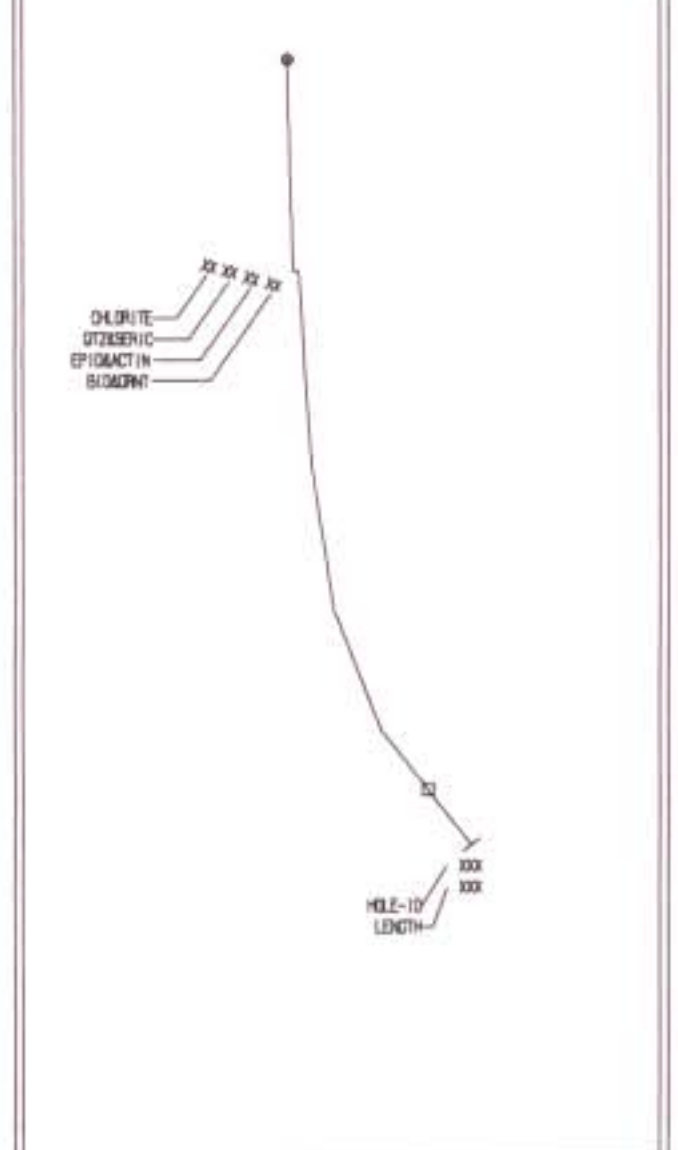




GEOLOGICAL SURVEY BRANCH
ASSAY REPORT

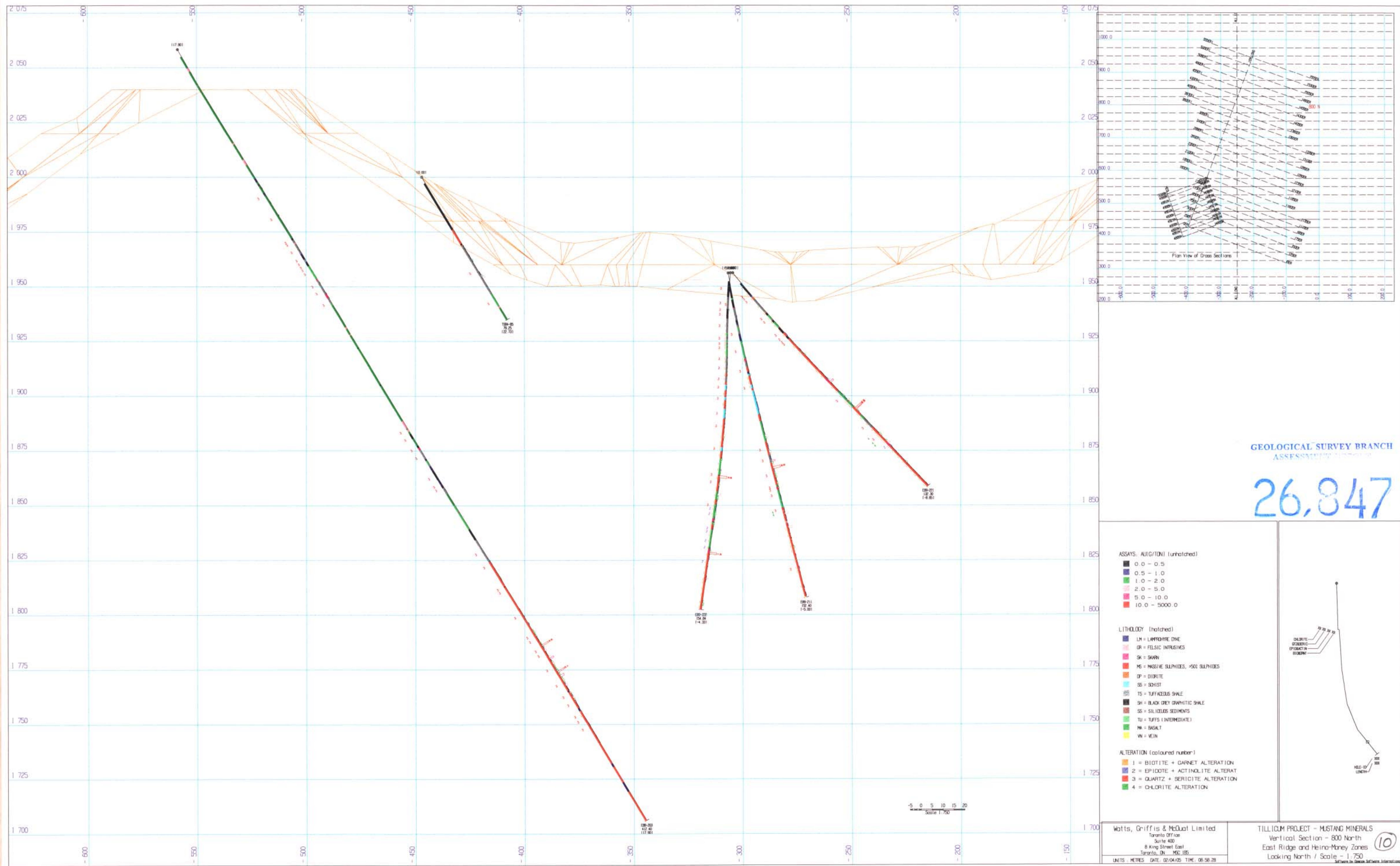
26,847

- ASSAYS: AUDITON (unhatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LH = LAMPHRE DNE
 - GR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, MSZ SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY DIOCRITIC SHALE
 - SB = SILTCLAY SEDIMENTS
 - ST = TUFFS (INTERMEDIATE)
 - SKL = SKALT
 - KN = KEN
- ALTERATION (coloured number)**
- 1 = BIODITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERAT
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION



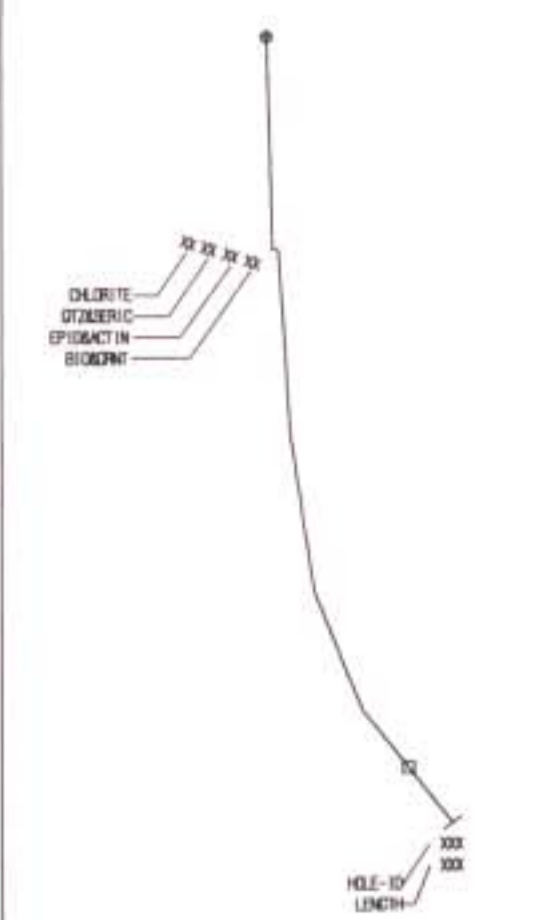
Watts, Griffis & McQuat Limited
Toronto Office
Suite 400
8 King Street East
Toronto, ON M5C 1B6
UNITS: METRES DATE: 06/04/05 TIME: 08:31:14

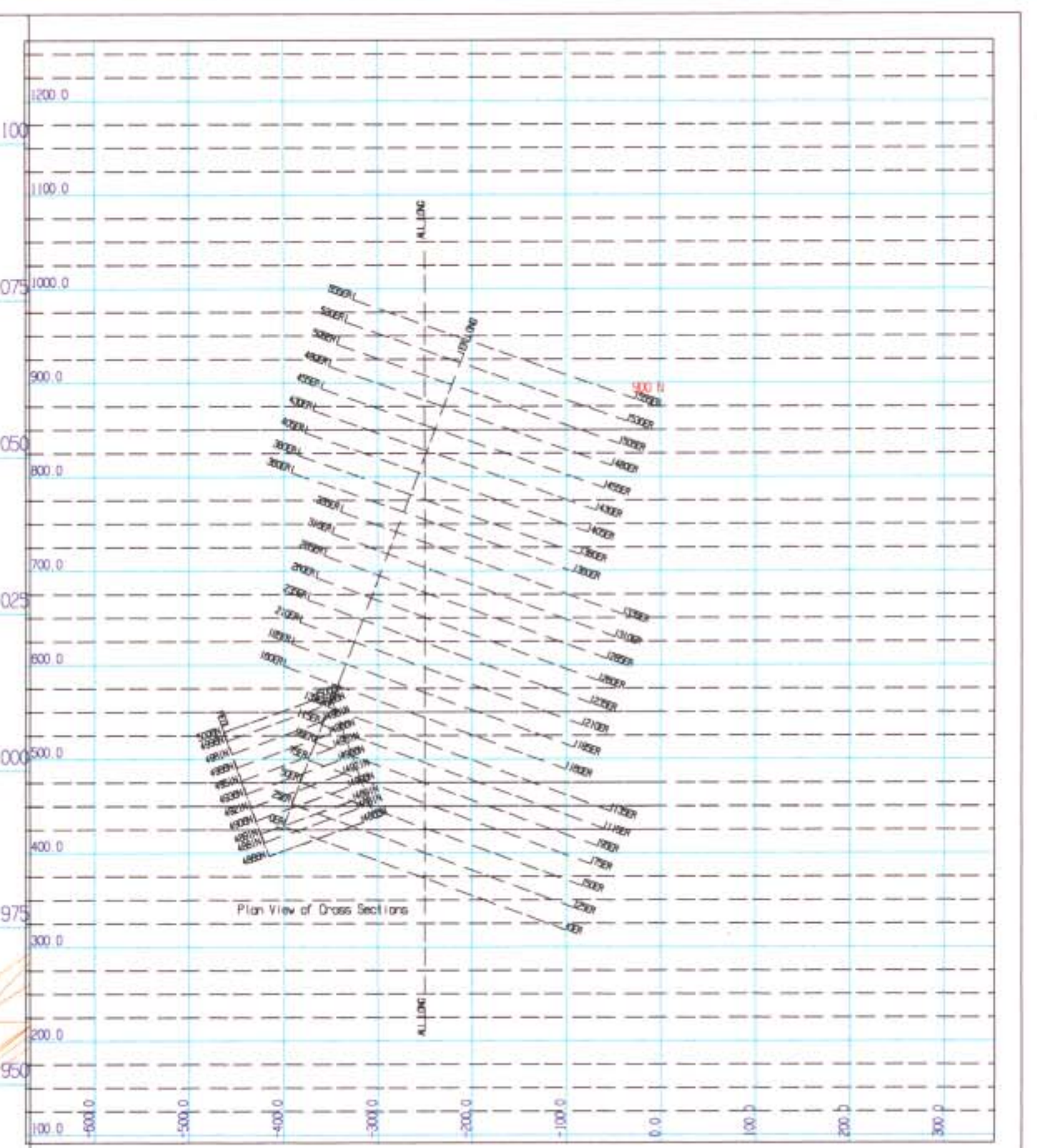
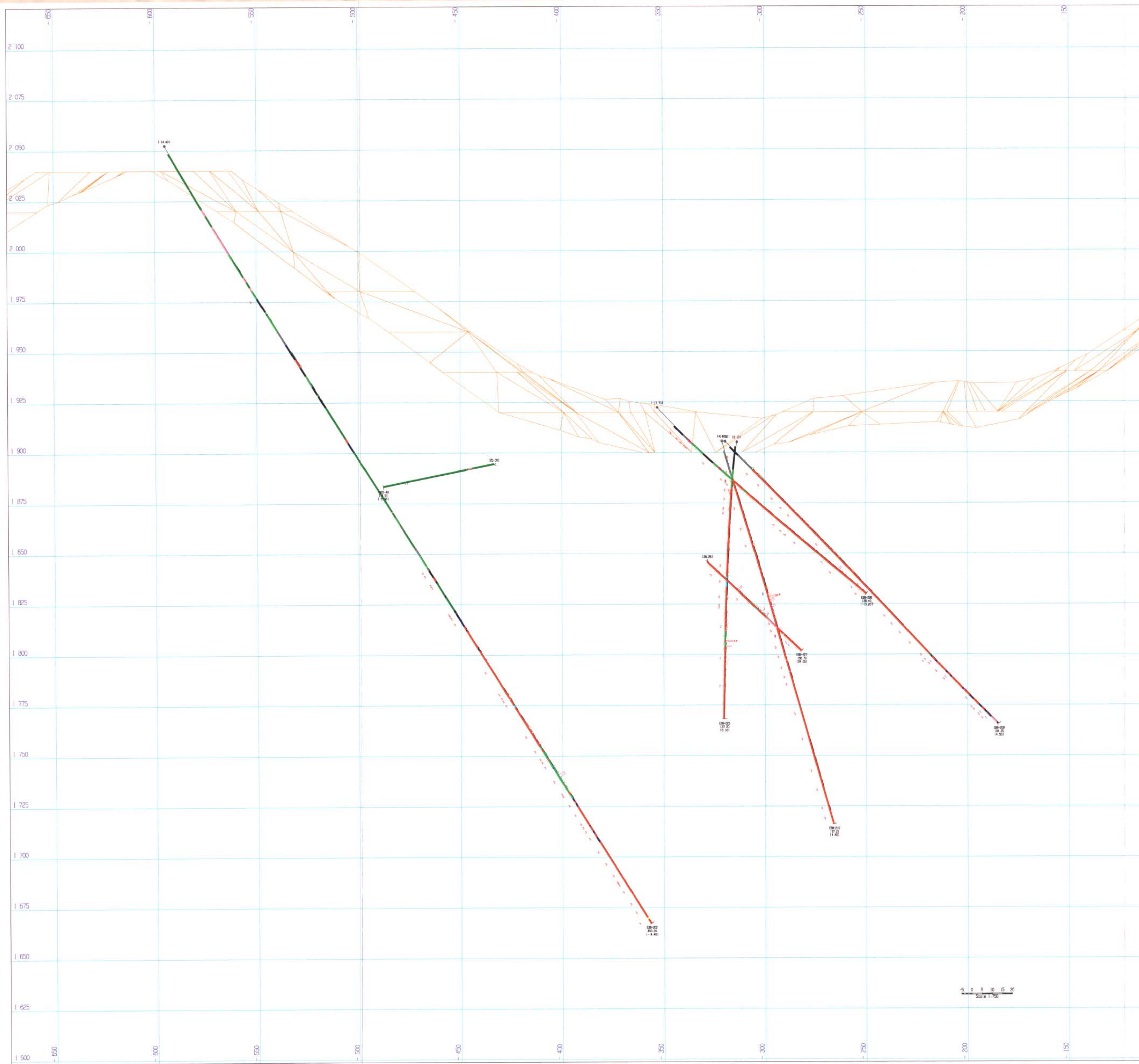
TILLICUM PROJECT - MUSTANG MINERALS
Vertical Section - 750 North
East Ridge and Heino-Money Zones
Looking North / Scale - 1:750



GEOLOGICAL SURVEY BRANCH
ASSESSMENT DIVISION
26,847

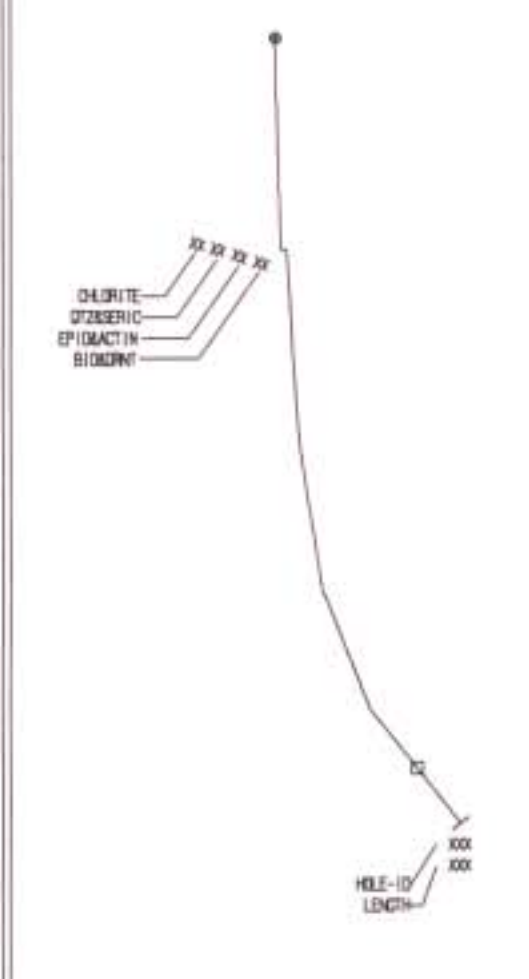
- ASSAYS: AU/G(TON) (hatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LH = LAMPROITE DIKE
 - GR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, ±SO₂ SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRAPHTIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - W = WASKIT
 - VN = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION





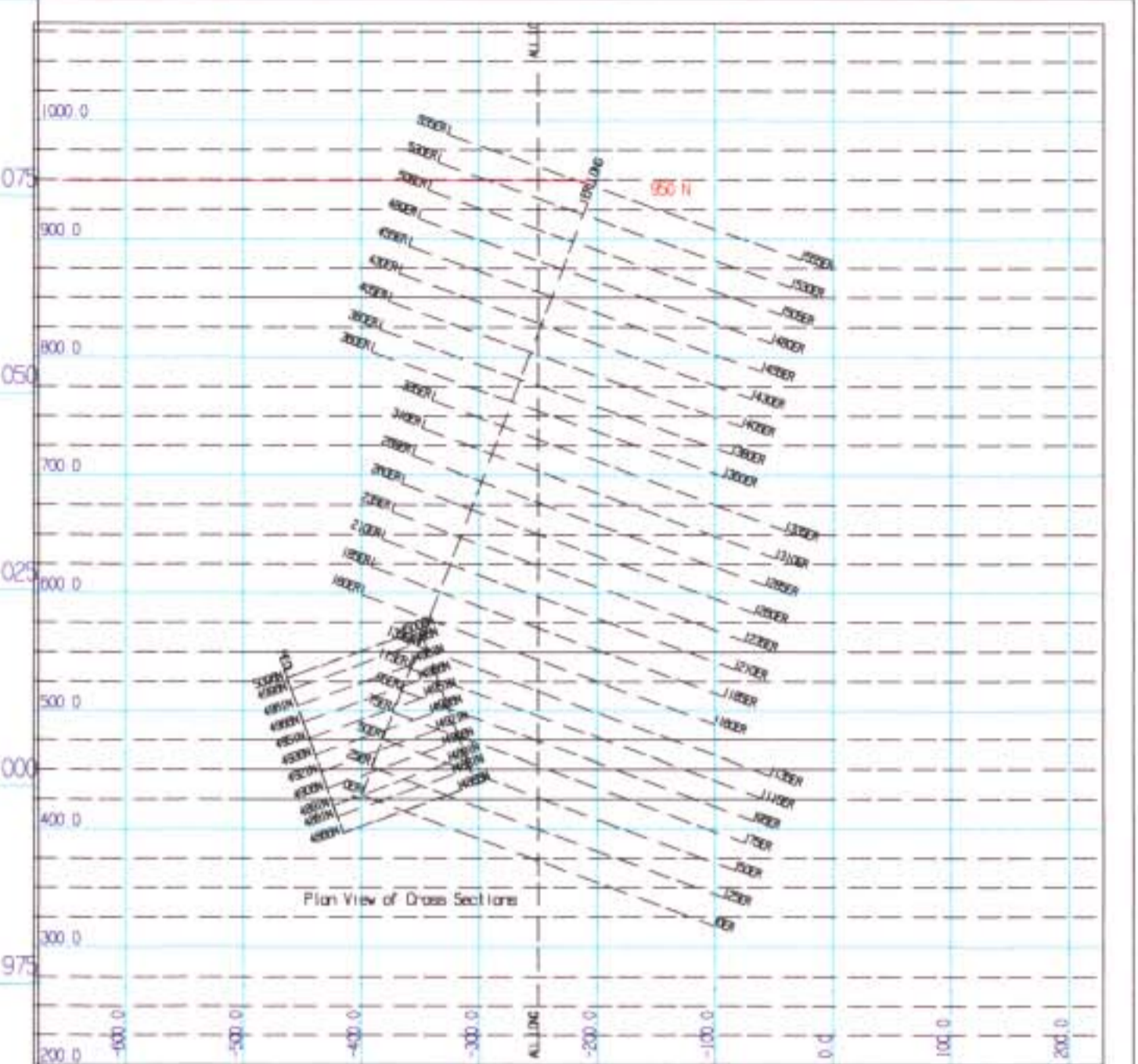
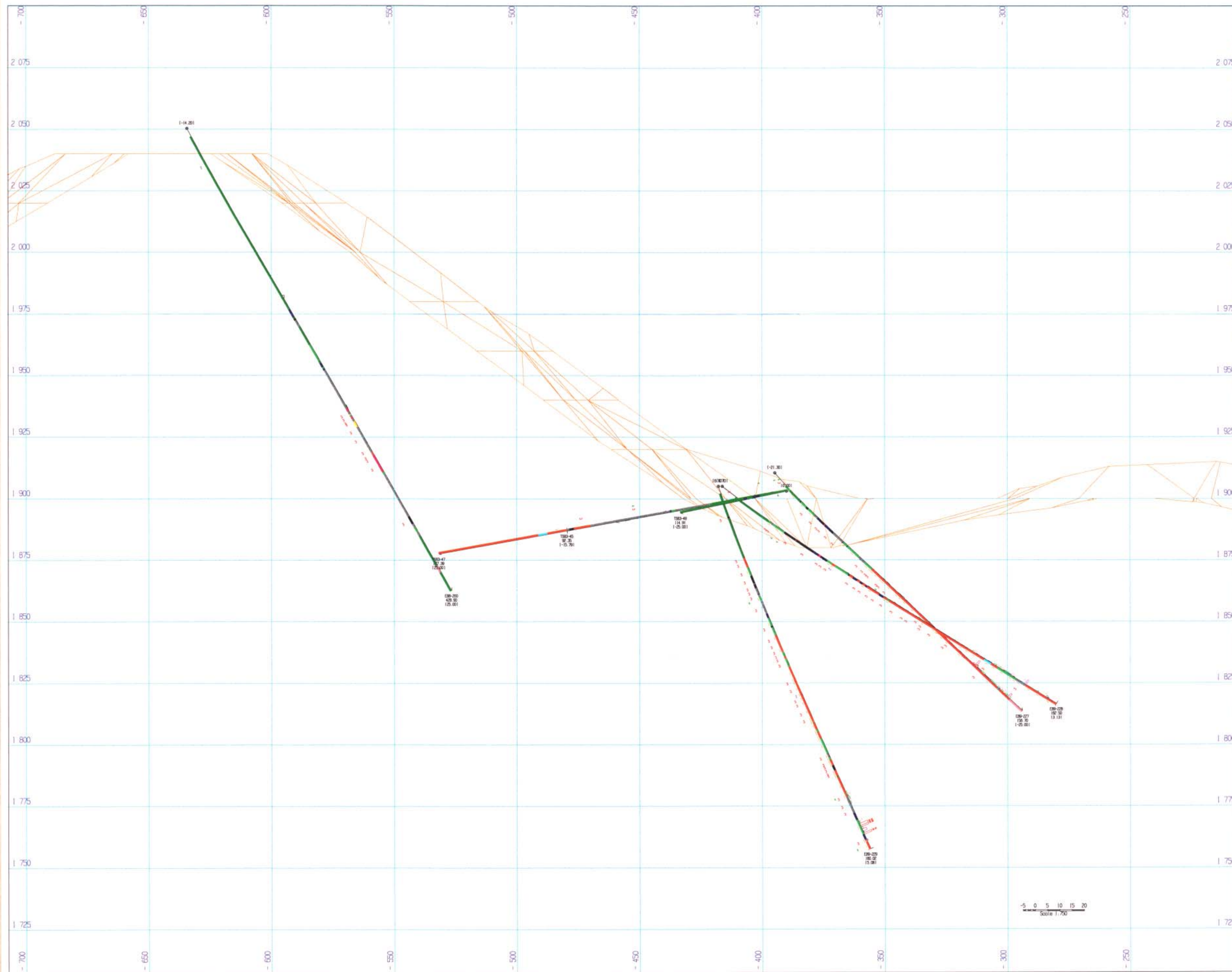
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
26,847

- ASSAYS: ALGITION (unatched)
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (Inatched)
- LK = LAMPROPHIRE DIKE
 - GR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, VSS SULPHIDES
 - DI = DIORITE
 - SS = SEDIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRANITIC SHALE
 - SS = SILICIOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - MK = MANK
 - KN = KEN
- ALTERATION (coloured number)
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION



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Suite 400
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Toronto, ON M5G 1K6
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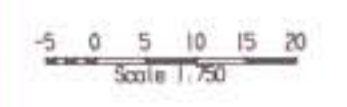
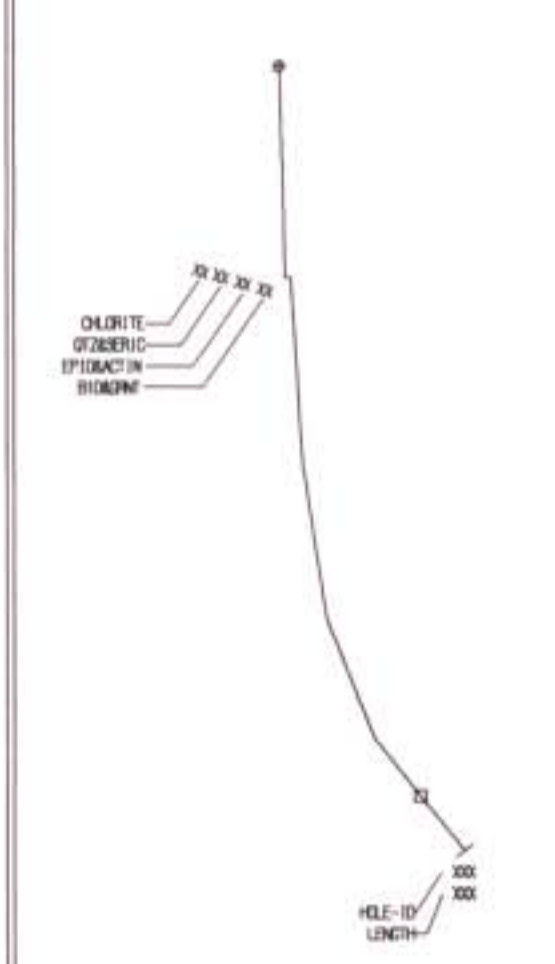
TILLIQUIM PROJECT - MUSTANG MINERALS
Vertical Section - 900 North
East Ridge and Hero-Money Zones
Looking North / Scale = 1:750



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

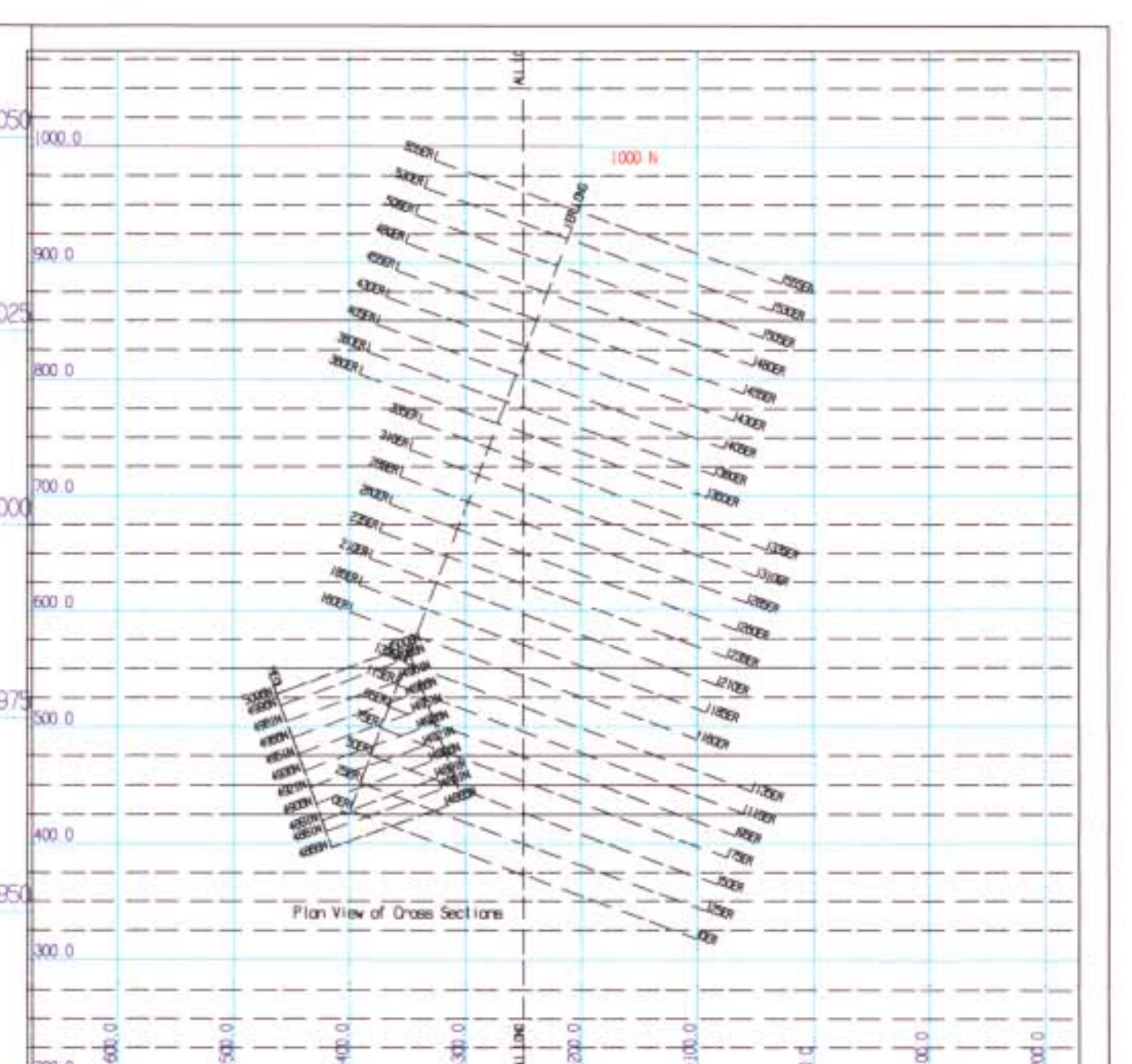
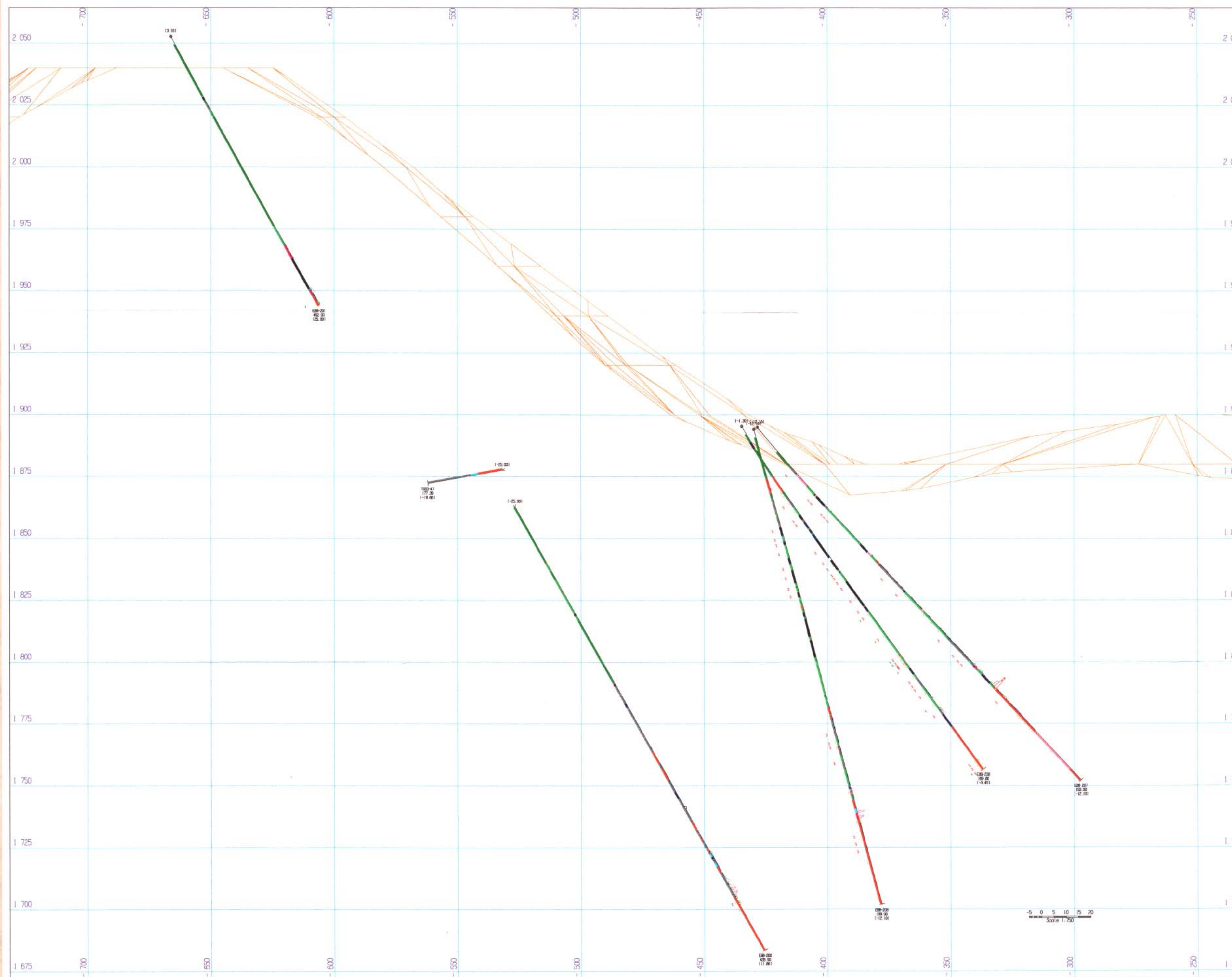
26,847

- ASSAYS: AUG/TON (hatched)
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)
- LM = LAMPHIRE DYKE
 - DI = FELSIC INTRUSIVES
 - SK = SKARN
 - M6 = MASSIVE SULPHIDES, ±SO₂ SULPHIDES
 - DP = DIORITE
 - SS = GCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY ORYCTIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - IN = VEIN
- ALTERATION (coloured number)
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION



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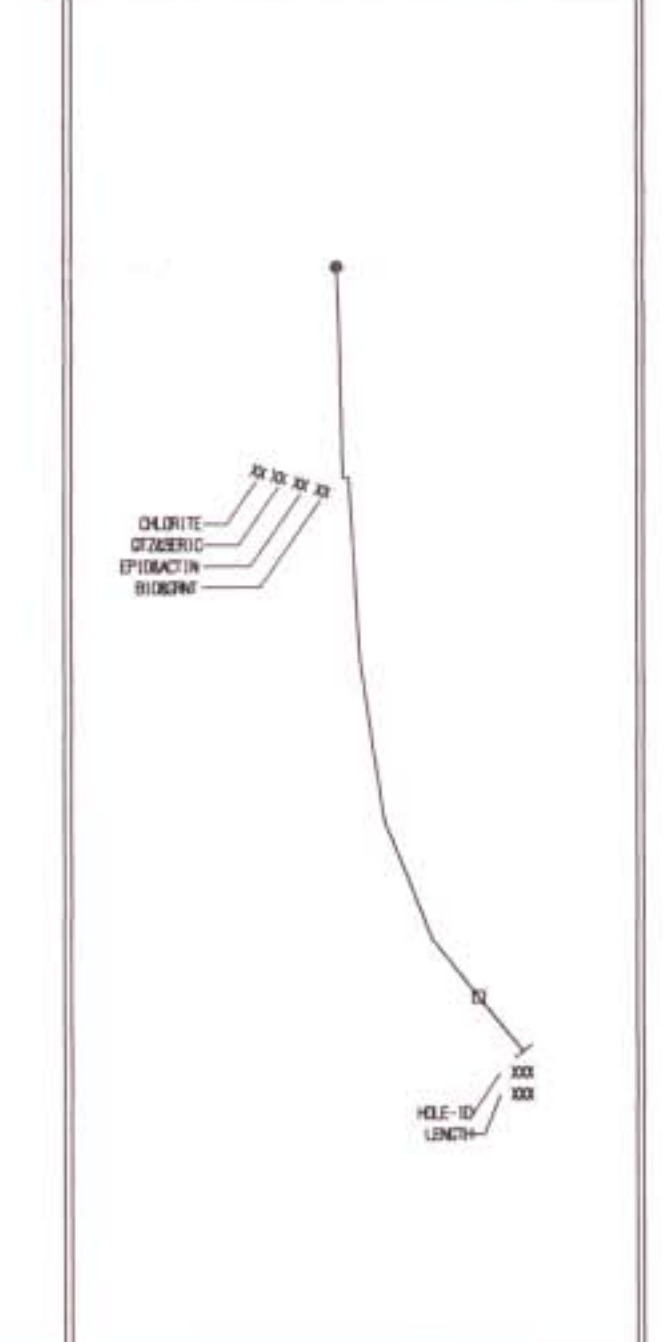
TILLICUM PROJECT - MUSTANG MINERALS
Vertical Section - 950 North
East Ridge and Heino-Money Zones
Looking North / Scale - 1:750

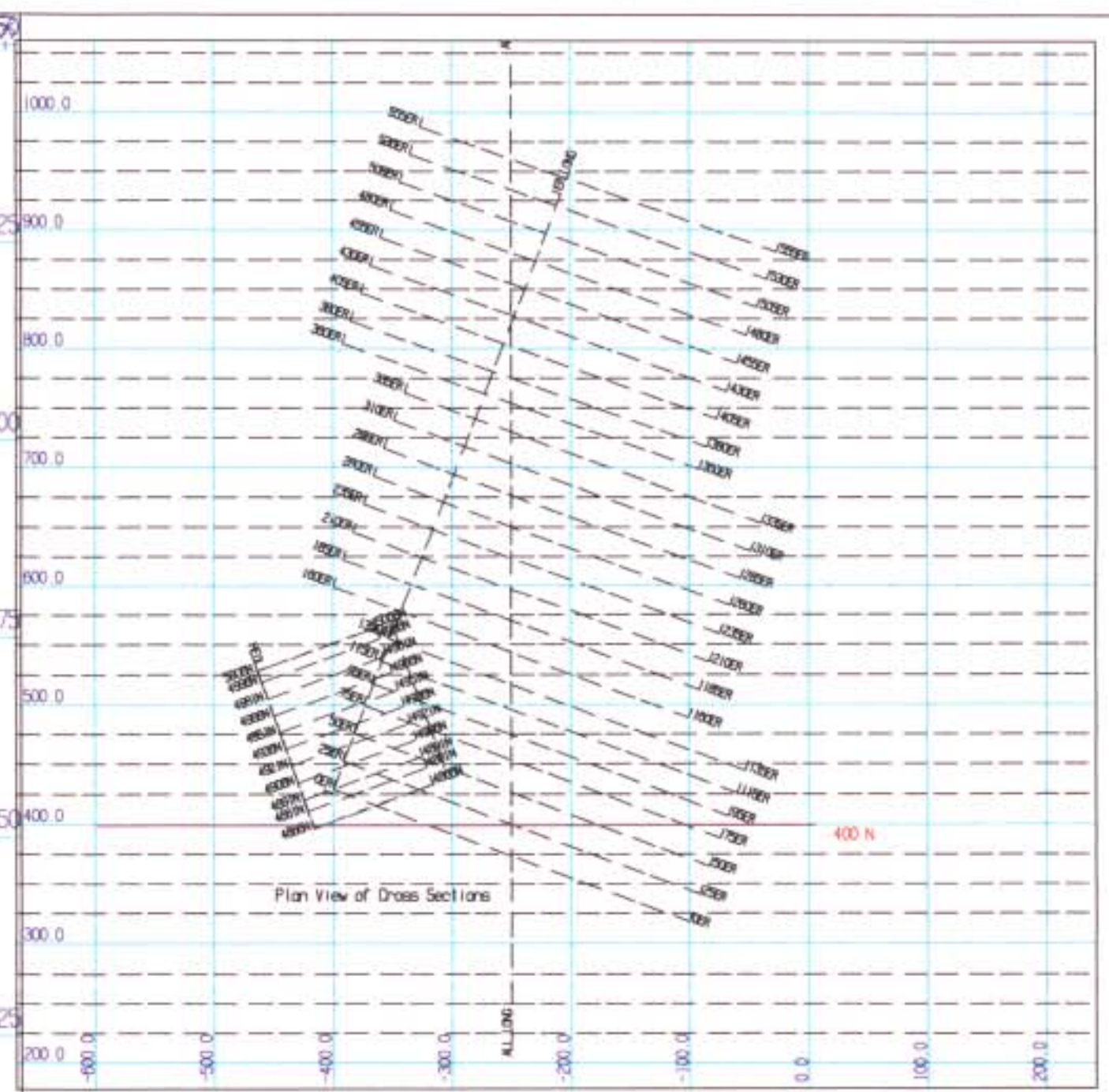
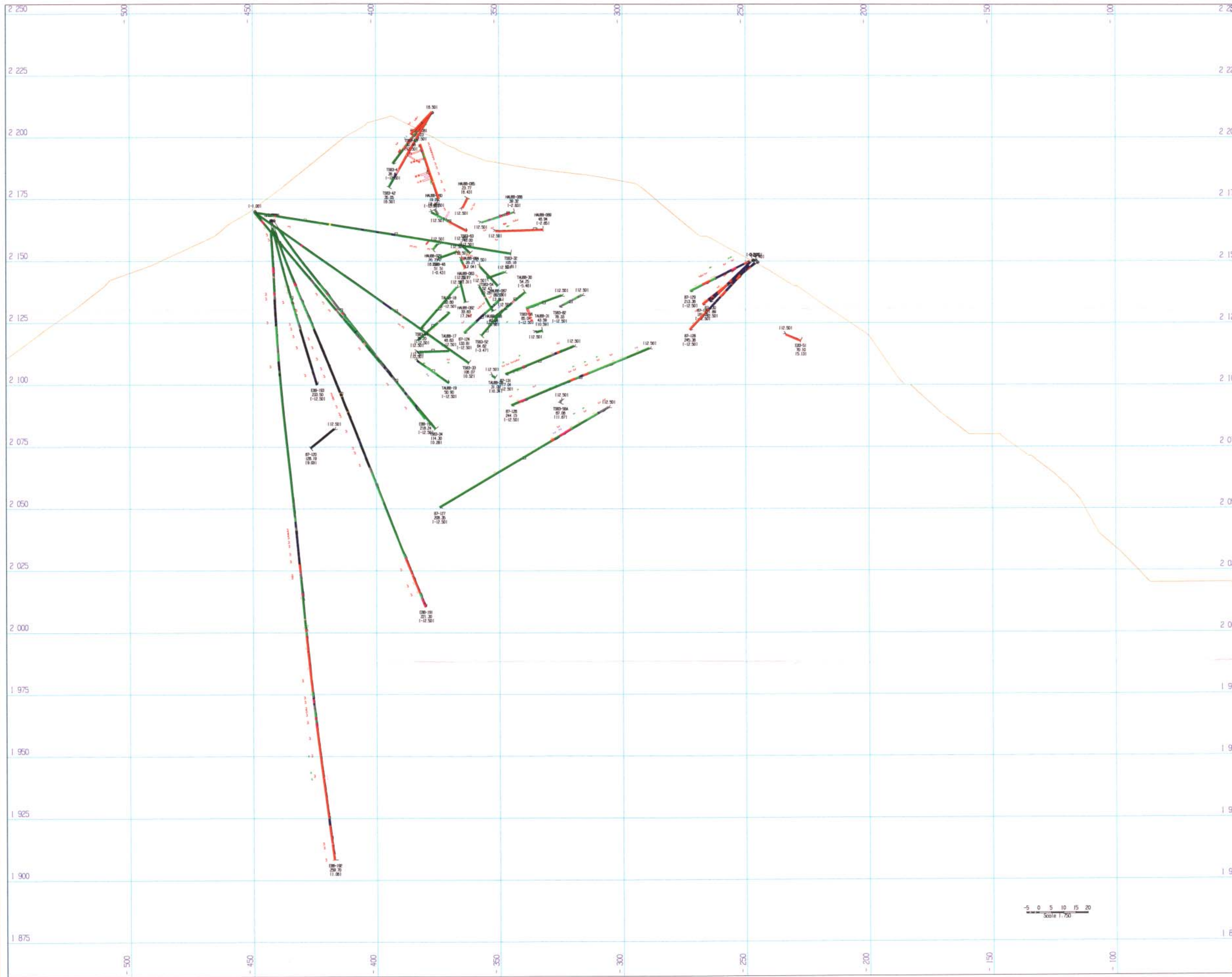


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,847

- ASSAYS: AU/G(TON) (unhatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LM = LAMPYRE DYKE
 - IF = FELSIC INTRUSIVES
 - SK = SKARN
 - M6 = MASSIVE SULPHIDES, #501 SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRAPHTIC SHALE
 - SS = SILICEOUS SEDIMENTS
 - TU = TUFFS (INTERMEDIATE)
 - BA = BASALT
 - IN = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION

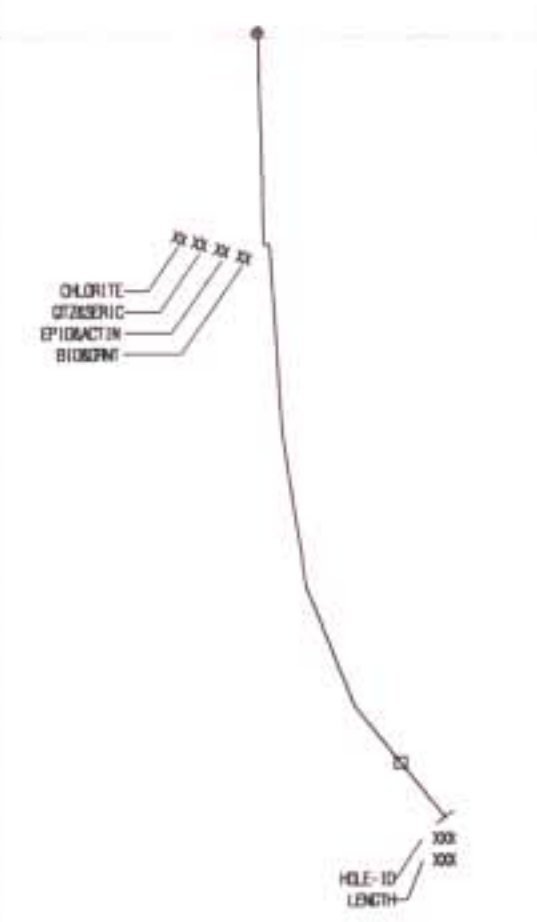




GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,847

- ASSAYS: Au(g/ton) (unhatched)**
- 0.0 - 0.5
 - 0.5 - 1.0
 - 1.0 - 2.0
 - 2.0 - 5.0
 - 5.0 - 10.0
 - 10.0 - 5000.0
- LITHOLOGY (hatched)**
- LM = LAMPROPHIRE DIKE
 - GR = FELSIC INTRUSIVES
 - SK = SKARN
 - MS = MASSIVE SULPHIDES, >50% SULPHIDES
 - DP = DIORITE
 - SS = SCHIST
 - TS = TUFFACEOUS SHALE
 - SH = BLACK GREY GRAPHITIC SHALE
 - SS = SILICIOUS SEDIMENTS
 - TU = TUFS (INTERMEDIATE)
 - BA = BASALT
 - VE = VEIN
- ALTERATION (coloured number)**
- 1 = BIOTITE + GARNET ALTERATION
 - 2 = EPIDOTE + ACTINOLITE ALTERATION
 - 3 = QUARTZ + SERICITE ALTERATION
 - 4 = CHLORITE ALTERATION



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TILLICUM PROJECT - MUSTANG MINERALS
Vertical Section - 400 North
East Ridge and Heino-Money Zones
Looking North / Scale - 1:750

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UNITS - METRES DATE: 02/04/04 TIME: 14:31:08