

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/1



1994 ASSESSMENT REPORT

POP, BASE, HOME, RUN, BALL, FLY and BAT PROPERTIES
(EXPO PROPERTY)

LINECUTTING, GROUND GEOPHYSICS (HLEM/MAG AND GRAVITY), SOIL GEOCHEMISTRY AND
GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

FIRE LAKE AREA, PELLY MOUNTAINS

WORK PERIOD

JUNE 28 TO JULY 2, JULY 31 and AUGUST 3, 5, 6, 10, 12-15, 1994

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**1994 ASSESSMENT REPORT
POP, BASE, HOME, RUN, BALL, FLY and BAT PROPERTIES, YUKON TERRITORY****1. SUMMARY**

The POP, BASE, HOME, RUN, BALL, FLY and BAT properties, are located south of Wolverine Lake, about 25 kms southeast of Cominco's ABM VHMS Deposit and approximately 140 kms southeast of Ross River.

The properties were staked to cover airborne geophysical targets identified during a Cominco survey conducted in early 1994. Subsequent staking has amalgamated these 7 properties into a single, contiguous block referred to as the EXPO property.

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT). The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "*lower unit*" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "*middle unit*" comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics, and an "*upper unit*" of Pennsylvanian marbles and quartzite. Volcanism within the "*middle unit*" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites. Felsic volcanics of the "*middle unit*" are host to Cominco's ABM VHMS Deposit.

All 7 properties are underlain by late Devonian to mid-Mississippian, "*middle unit*" felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics of the Yukon Tanana Terrane.

POP Property

Two occurrences of fracture and vein filling and skarn(?) Zn-Pb-Cu-Ag and Pb-Zn-Ag mineralization were found at the Berdahl showing. Grab samples of float returned up to 7.8% Pb, 3.1% Zn and 83 g/t Ag. Further geological mapping, prospecting and soil geochemistry sampling is strongly recommended for this area.

A scattering of soil anomalies and lack of geology makes interpretation difficult. The 1994 ground geophysical surveys revealed the underlying rocks to be quite conductive. The EM features generally have no magnetic association. Although difficult to interpret in this area, the single line of gravity does not suggest the presence of a gravity anomaly. No further work is recommended for this area.

The presence of a large aeromagnetic feature, south of the geophysical grid, and the metal association of the minor soil sampling in this area suggests that mineralization, reflected in the soil anomalies, may be mafic intrusive related. Further geological mapping, prospecting and soil geochemistry sampling is strongly recommended for this area.

Base Property

A thin manganiferous and siliceous exhalite was discovered on the BASE property in 1994. A single grab sample returned 0.9% Zn, 0.5% Pb and 16.3 g/t Ag. The hosting fine-grained felsic tuffs are weakly mineralized over a 10-15 metres thickness. Detailed geological mapping, prospecting and soil geochemistry sampling are required in this area.

A single, short soil line in the northwest part of the property returned several coincident, weak to strong Zn, Pb and supporting, elevated to moderately anomalous Cu values downslope of a thick sequence of pyritic felsic volcanics. Further geological mapping, prospecting and soil geochemistry sampling is recommended for this area.

HOME-RUN Properties

The Run Showings comprises VHMS-style mineralization in numerous pyritic float cobbles and boulders found scattered over about 1 km strike length. Sulphide bands are generally high grade (ie. 9.9% Zn, 13.0% Pb, 0.2% Cu, 106.5 g/t Ag). Chip samples across boulders range up to 7.4% Zn, 8.1% Pb, 0.1% Cu and 66.1 g/t Ag over 75 cms. One grab sample returned 11.2% Ba, 0.3% Zn and 3.0 g/t Ag. Contour soil geochemistry sampling in the HOME-RUN area has returned strongly anomalous Cu, Pb, Zn, Ag, Cd and Ba values over large parts of the properties.

The geology in the showings area remains poorly understood. Detailed geological mapping, prospecting and soil geochemistry sampling are strongly recommended in this area.

Several weak AEM/Mag features are present on the RUN and HOME properties. Ground geophysical surveys (UTEM, HLEM, MAG, GRAVITY?) are recommended to aid in defining drill targets.

BALL property

A single contour soil geochemistry line has identified 2 anomalies. The more significant anomaly consists of elevated to anomalous Pb, Zn, Ag, Cu, Cd and Ba values, more typical of the metal association found with the VHMS showings on the RUN property. Further soil geochemistry sampling and prospecting/ geological mapping are recommended for this area.

FLY Property

Several barite occurrences were noted over a 2.5 km strike length in the FLY property area. Rock samples from outcrop returned up to 53% Ba. Grab samples of the hosting felsic volcanics returned 1.7% Ba and 0.2% Zn. Detailed geological mapping, prospecting and soil geochemistry surveys, initially targeting the barite horizon, are recommended.

The drainage at the northern end of the property is strongly anomalous in soils, returning numerous significant coincident Cu, Pb, Zn, Ag and Ba anomalies. Further soil geochemistry sampling and detailed geological mapping and prospecting are strongly recommended.

Ground geophysical surveys (UTEM, HLEM, MAG, GRAVITY?) in the area of the weak AEM/Mag feature are recommended to aid in defining drill targets.

BAT Property

A single contour soil line returned only a few elevated to anomalous Cu, Pb, Ag values. These anomalies are possibly significant. Geological mapping, prospecting and more soil geochemistry sampling are recommended for this area.

EXPO Property

Two significant areas of base metal mineralization were discovered in 1994 which led to the staking of the EXPO property.

A. WHITE CREEK Showings

The main showings consists of VHMS-style mineralization comprising at least 3 thin bands of sulphides hosted within a siliceous and barite-carbonate altered felsic volcanic unit. Grab samples from the middle band returned encouraging results up to 2.6% Zn, 0.2% Cu, 13.2 g/t Ag and 1.5% Ba. The mineralized felsic sequence is about 10 metres thick in the showing area.

Up the creek from the main showings, several outcrops of very rusty weathering felsic tuffs containing pyritic bands were located. A float cobble returned 4.6% Zn, 0.3% Cu, 0.3% Pb and 55.5 g/t Ag. This mineralization has not been sourced.

No soil geochemistry sampling was undertaken in the drainage containing the showings. Detailed geological mapping, prospecting and soil geochemistry sampling are strongly recommended for this drainage area.

No AEM/MAG feature was identified in the showing area; however, the topographic location of the showings and the fact that the flight lines were parallel to the strike of the felsic volcanic sequence suggest that the airborne survey may not have been entirely effective in this area. The geology and mineralization are sufficient to justify a ground geophysical survey (UTEM, MAG, GRAVITY?) over the showing area.

B. AKHURST CREEK Showings

The Akhurst Creek Showings comprise abundant float cobbles and boulders of black, very fine-grained, laminated magnetite-silica-barite Fe-formation containing fine pyrite-sphalerite and trace galena-chalcopyrite. Grab samples returned up to 3.6% Zn, 0.7% Pb, 0.3% Cu, 37.8 g/t Ag and 9.5% Ba. The source of this mineralization is unknown.

Two outcrops found in the creek consist of intercalated siliceous and locally calcareous felsic tuff and minor mafic tuff, barite and manganeseiferous, siliceous exhalite containing minor fine-grained disseminated pyrite-sphalerite mineralization. Samples from this area returned impressive values of up to 10.8% Zn, 0.3% Pb, 0.3% Cu and 325 g/t Ag. The barite showing in this area returned 1.3% Zn, 1.3% Pb, 30.0 g/t Ag and 18.0% Ba. The nature of this high grade, Ag-rich mineralization is not understood at present.

No soil geochemistry sampling was undertaken in the drainage containing the showings. Detailed geological mapping, prospecting and soil geochemistry sampling are strongly recommended for this drainage area.

Only weak AEM/MAG features were identified in the showing area; however, the topographic location of the showings suggest that the airborne survey may not have been entirely effective in this area. Subsequent ground geophysical surveys will likely be warranted for this area.

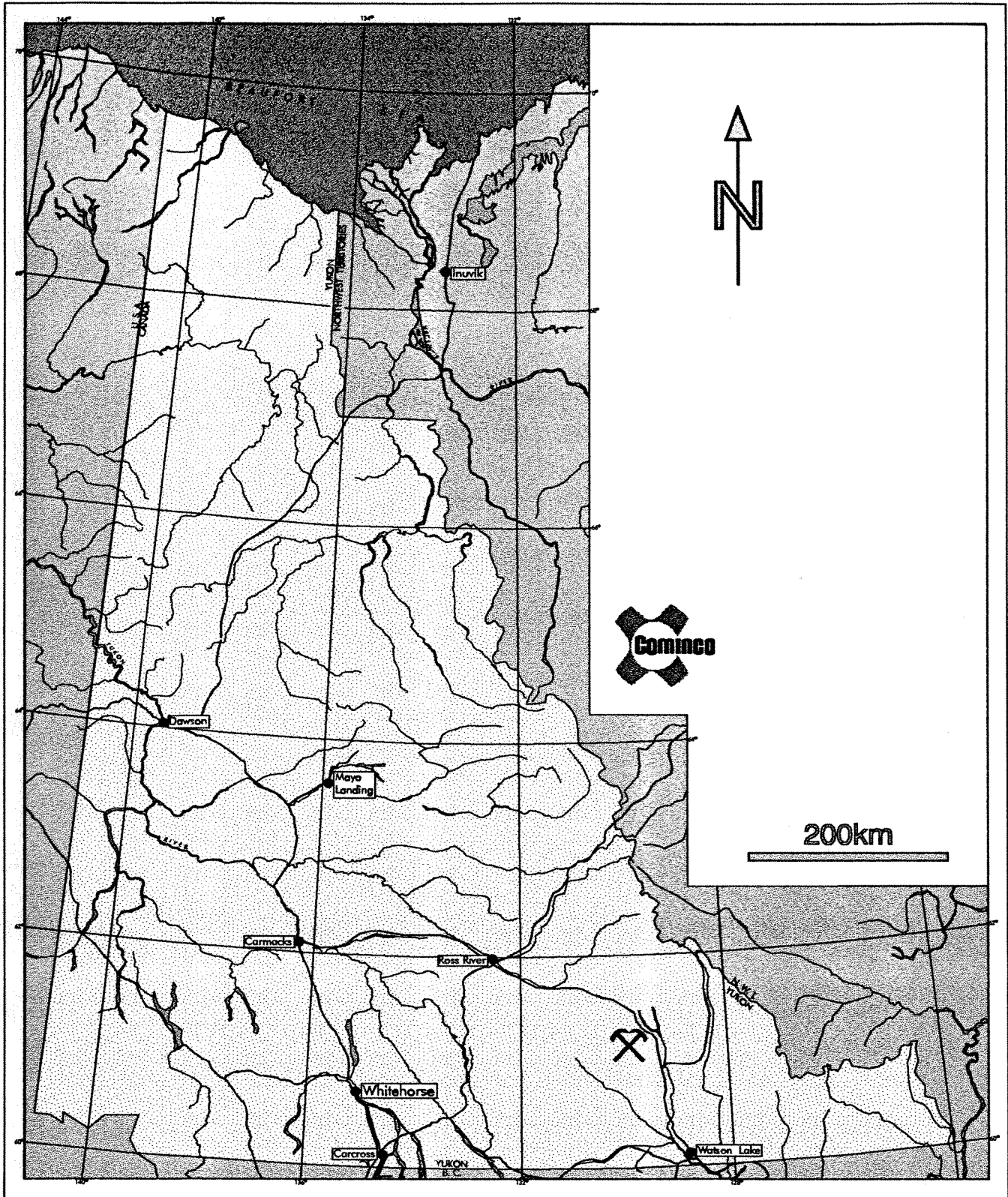
2. LOCATION AND ACCESS

The POP, BASE, HOME, RUN, BALL, FLY and BAT properties are located 20 kms east of Fire Lake, about 35 kms southeast of Cominco's ABM VHMS Deposit and approximately 150 kms southeast of Ross River (Figures 1). The gravel, all-weather Robert Campbell Highway provides access to within 35 kms of the properties. Direct access is by helicopter.

3. PROPERTY AND OWNERSHIP

The 7 properties (Figure 2) are 100% owned by Cominco Ltd. With subsequent Cominco staking, the 7 claim groups are now contiguous with the larger EXPO, MONY and GO claim blocks.

<u>NAME</u>	<u>UNITS</u>	<u>CLAIM NO.</u>	<u>DUE DATES</u>
POP 1-4	4	YB47372-375	April 15/95
POP 5-8	4	YB47650-653	April 26/95
POP 9-18	10	YB47376-385	April 15/95
POP 19-26	8	YB47654-661	April 26/95
BASE 1-14	14	YB47342-355	April 15/95
HOME 1-6	6	YB47360-365	April 15/95
RUN 1-6	6	YB47366-371	April 15/95
BALL 1-4	4	YB47356-359	April 15/95
FLY 1-8	8	YB47386-393	April 15/95
FLY 9-14	6	YB47662-667	April 26/95
FLY 15-18	4	YB47394-397	April 15/95
BAT 1-4	4	YB47398-401	April 15/95



Drawn by:		Traced by: a. m. a.	
Revised by:	Date:	Revised by:	Date:

**POP, BASE, HOME, RUN, BALL, FLY and BAT
PROPERTY LOCATIONS**

105 G/1

Scale: As Shown	Date: April, 1995	Plate: 1
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An option payment to Berdahl of \$15,000 is due in 1995 for ground held within the EXPO property, in the Berdahl/White Creek and Akhurst Creek showing areas.

4. PREVIOUS WORK

Prior Cominco work in the immediate area of the properties consisted of local stream silt, heavy mineral and minor soil geochemistry sampling.

Approximately 1 km west of the HOME property is the Akhurst showing (Minfile #82) (Figure 3). This showing was initially staked by Cyprus Anvil Mining Corp. in 1975. Cyprus Anvil conducted grid soil sampling and a Mag survey in that same year. The claims lapsed and were restaked in 1988 by Archer Cathro and Welcome North, which conducted prospecting and minor soil geochemistry sampling. The area staked covered anomalous Zn and weakly anomalous Cu-Mo-Pb values in soils overlying quartzite, phyllite and minor limestone, thought to be of Permian age. Cominco's EXPO claims currently cover the indicated showing area.

Approximately 3 kms south of the FLY property is the Py showing (Minfile #83). This occurrence was also initially staked by Cyprus Anvil Mining Corp. in 1975 and explored by grid soil sampling and an IP survey. The claims lapsed and were restaked several times between 1988 and 1994. The showings comprise Cu-bearing float and large gossanous areas over quartz-sericite schists containing numerous quartz veins and several pyritic layers, up to 12.1 metres thick, which contain up to 15% coarse-grained pyrite and minor chalcopyrite, sphalerite and trace galena. Soil surveys indicate high values of Cu-Zn-Pb-Ag. The showings are currently held (WAWA claims) by Carl Schultz.

In early 1993, Ron Berdahl, of Whitehorse, brought 2 new showings to Cominco's attention. One showing is now called the Berdahl showing (skarn?) and is covered by the POP claims. A second showing is of a barite horizon in the area of the Akhurst showing, noted above.

5. REGIONAL GEOLOGY

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT) (Mortensen, 1983a; Mortensen and Jilson, 1985).

The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" (3F) comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics (3G), and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc volcanism developed within a more reduced basinal setting. Felsic volcanoclastics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

The late Devonian to Triassic SMT comprises a heterogeneous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonate and chert. This sequence was structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening (D2). The SMT is thought to represent a disrupted oceanic crust and volcanic arc assemblage thought to be located between the YTT and ancestral North America(?).

A subhorizontal to moderately north to northeast dipping, penetrative ductile deformation fabric (S2) and associated middle greenschist facies (chlorite-biotite grade) metamorphism affects all YTT rocks. This fabric reflects the first, and most significant, deformational and metamorphic event (D1) perhaps related to a continent-arc collision during late Permian to early Triassic time.

Late Triassic immature clastics comprising micaceous argillite, siltstone and sandstone unconformably(?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting (D2), during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent(?) faults and separates the YTT from autochthonous North America (Mortensen, 1983a; Mortensen and Jilson, 1985). Thrust faulting continued after the formation of the Finlayson Lake Fault Zone as indicated by the presence of over thrust sheets of SMT rocks (Campbell Range Belt) above the fault zone.

6. 1994 FIELD WORK

A. POP PROPERTY LINECUTTING

During the period of July 28 to August 2, 1994, a geophysical grid totalling 6.2 line kilometres was cut on the POP property by Coureur Des Bois Ltd. of Whitehorse, Yukon (Figure 3).

GEOPHYSICAL SURVEYS

On August 3 and 10, 1994, a total of 7.2 lkms of HLEM, 7.2 lkms of total field MAGNETICS and 1.4 lkms of GRAVITY were surveyed on the POP grid by a Cominco geophysical crew.

GEOLOGICAL MAPPING

On July 31 and August 5, 1994, 1:10,000 scale geological mapping and prospecting was carried out by P.M. MacRobbie and P.W. Ransom (Figure 3).

SOIL GEOCHEMISTRY

A total of 106 soil samples and 6 rocks were collected on July 31 and August 5, 13-15, 1994. Data is presented in Figure 3 and Appendix 2.

B. BASE PROPERTY GEOLOGICAL MAPPING

On July 31, 1994, 1:10,000 scale geological mapping and prospecting was carried out by A.B. Mawer (Figure 3).

SOIL GEOCHEMISTRY

A total of 51 soil samples were collected on August 15, 1994. Data is presented in Figure 3 and Appendix 2.

C. HOME PROPERTY GEOLOGICAL MAPPING

On August 5, 1994, 1:10,000 scale geological mapping and prospecting was carried out by A.B. Mawer (Figure 3).

SOIL GEOCHEMISTRY

A total of 35 soil samples were collected on July 31, 1994. Data is presented in Figure 3 and Appendix 2.

D. RUN PROPERTY GEOLOGICAL MAPPING

On August 5, 6 and 12, 1994, 1:10,000 scale geological mapping and prospecting was carried out by A.B. Mawer (Figure 3).

SOIL GEOCHEMISTRY

A total of 29 soil samples and 10 rock samples were collected. Data is presented in Figure 3 and Appendix 2.

E. BALL PROPERTY SOIL GEOCHEMISTRY

A total of 17 soil samples were collected on August 5, 1994. Data is presented in Figure 3 and Appendix 2.

F. FLY PROPERTY GEOLOGICAL MAPPING

On July 31 and August 6 and 12, 1994, 1:10,000 scale geological mapping and prospecting was carried out by P.W. Ransom (Figure 3).

SOIL GEOCHEMISTRY

A total of 37 soil samples and 1 rock sample were collected. Data is presented in Figure 3 and Appendix 2.

All soil and rock samples were analyzed for Cu, Pb, Zn, Ag, As, Cd, Co, Ni, Fe, Mo, Cr, Bi, Sb, V, Sn, W, Sr, Y, La, Mn, Mg, Ti, Al, Ca, Na and K by I.C.P., Au by Aqua Regia decomposition/AAS and Ba by XRF at Cominco Exploration Research Laboratory (CERL) in Vancouver.

7. POP PROPERTY GEOLOGY, MINERALIZATION, GEOCHEMISTRY and GEOPHYSICS

GEOLOGY

The POP property is underlain by late Devonian to mid-Mississippian, "*middle unit*" felsic metavolcanics (3G) and carbonaceous phyllite and schist with interbanded mafic metavolcanics (3F).

The property is generally poorly exposed with outcrops restricted to ridges and hill slopes. The stratigraphy generally trends northeast with shallow to moderate (8-37°) northwest dips and comprises a mixed felsic metavolcanic and metasedimentary complex with locally minor mafic metavolcanics present at the north end of the property (Figure 3).

The geophysical grid covers an AEM/Mag feature located in a valley bottom in an area of presumably no outcrop.

The southern part of the property, south of the grid, exposes a felsic volcanoclastic sequence comprising brown to rusty weathering, locally pyritic quartz-feldspar-sericite-chlorite schists and phyllitic schists (fine tuff to coarser crystal-rich tuff; possible flows?) underlain by a locally rusty, variably carbonaceous dark grey siltstone to black mudstone. The metasediments are locally cut by a 4 metre thick rusty schistose diabase dyke near the base of slope.

The northern part of the property is underlain by interbedded/banded intervals of massive, light grey to rusty weathering, fine-grained, granular and variably siliceous quartz-sericite-feldspar-chlorite schists and phyllitic schists (fine to medium-grained, crystal-rich tuff to fine ash tuff) containing between 2-10% fine disseminated pyrite separated by thin to thick intervals of medium to dark grey phyllitic argillaceous siltstone. A light to medium grey green, locally strongly rusty weathering, fine-grained aphanitic to feldspar-chlorite±quartz schist (intermediate to mafic volcanic/intrusive?) containing 5-10% fine disseminated pyrite±pyrrhotite and trace magnetite is present. This intermediate-mafic unit appears to be locally calc-silicate hornfelsed, quartz-calcite-epidote veined and possibly related to Zn-Pb-Cu-Ag and Pb-Zn-Ag mineralization at the Berdahl showing.

MINERALIZATION : Berdahl Showing

The Berdahl showing is a small hydrozincite-malachite-azurite stained outcrop of brecciated, rusty felsic and intermediate-mafic volcanics with fracture and vein filling calcite-quartz-sphalerite-galena-chalcopyrite. A grab sample returned 1.3% Zn, 1.0% Pb, 0.2% Cu and 37 g/t Ag.

Approximately 100 metres east and downslope of this outcrop are hydrozincite stained float of high grade, fine to medium-grained galena-sphalerite disseminated within a light to medium green, fine-grained siliceous, calc-silicate hornfels (skarned intermediate-mafic volcanic?). Grab samples of float returned up to 7.8% Pb, 3.1% Zn and 83 g/t Ag.

GEOCHEMISTRY

Soil geochemistry sampling was restricted to the geophysical grid lines and a single line half way down the slope of the ridge to the south (Figure 4).

The grid soils returned numerous moderate to very strong Cu (> 65, up to 1,074 ppm) values with generally coincident, but more scattered, moderate to strong Zn (> 275, up to 4,387 ppm), Ag (> 0.7, up to 5.6 ppm) and elevated Pb (up to 53 ppm) values. These anomalies have a strong Ni-Cd-Co-V-Mo-Cr metal signature. The scattering of the anomalies and lack of geology makes interpretation difficult. The soil line along the ridge identified a moderate to strong, coincident Cu (up to 276 ppm), Zn (up to 1,189 ppm) and Ag (up to 4.4 ppm) soil anomaly with a strong Ni-Co-V-Mo-Cr-Fe metal association, downslope of the felsic metavolcanic/metasedimentary contact. The presence of a large aeromagnetic feature and the metal association of the soil anomaly suggests that mineralization, reflected in the soil anomalies, may be mafic intrusive related.

GEOPHYSICS

The 1994 ground geophysical surveys revealed the underlying rocks to be quite conductive. The EM features generally have no magnetic association. Although difficult to interpret in this area, the single line of gravity does not suggest the presence of a gravity anomaly.

8. BASE PROPERTY GEOLOGY, MINERALIZATION and GEOCHEMISTRY

GEOLOGY

The BASE property is located about 3 kms northeast of the POP property. The property is situated low on the hill slopes covering an AEM/Mag feature in the valley.

The area is very poorly exposed but is likely underlain by similar late Devonian to mid-Mississippian, "*middle unit*" felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics as at the POP property.

Exposures at the southeast end of the property indicate the presence of fault bounded Fe-carbonate-mariposite (listwanite) altered and veined mafic/ultramafic(?) rocks adjacent to a weakly to moderately clay and epidote altered, medium grained quartz monzonite intrusive. This intrusive appears to be in contact (intrusive or fault contact?) with thin bedded/banded chlorite-calcite mafic tuff(?) and siliceous creamy to rusty weathering phyllitic schists (felsic ash tuff?) and mixed argillite and siltstone. These mixed sediments/volcanics are generally north-trending and have shallow to moderate east dips (~ 30°).

MINERALIZATION : Base Showing

Immediately east of an apparent north-trending fault and below the mixed sedimentary/felsic volcanic contact is a 1.1 metres thick, manganiferous and weakly hydrozincite stained, siliceous exhalite(?), containing thin, foliation parallel fracture fillings or bands of fine-grained sphalerite-pyrite and trace galena. A single grab sample returned 0.9% Zn, 0.5% Pb and 16.3 g/t Ag. The hosting fine-grained felsic tuffs are weakly mineralized over a 10-15 metres thickness.

GEOCHEMISTRY

A single, short soil contour line in the northwest part of the property returned several coincident, weak to strong Zn (>275, up to 660 ppm), Pb (>40, up to 130 ppm) and supporting, elevated to moderately anomalous Cu (up to 187 ppm) values downslope of a thick sequence of pyritic felsic volcanics. Rock samples from these outcrops returned no anomalous base or precious metal values.

9. HOME and RUN PROPERTIES GEOLOGY, MINERALIZATION and GEOCHEMISTRY

GEOLOGY

The HOME and RUN properties are adjoining properties located about 2 kms east of the BASE property. Although the properties are located above treeline and follow 2 prominent ridges, outcrop exposure is generally poor.

The properties cover a late Devonian to mid-Mississippian, "*middle unit*" sequence of N to NE-trending locally rusty and pyritic felsic metavolcanics (ash and feldspar-quartz crystal-rich tuffs) and siliceous black to grey, carbonaceous phyllite and schist with interbanded mafic metavolcanics as at the POP property (Figure 3).

MINERALIZATION : Run Showings

The Run Showings comprises VHMS-style mineralization in numerous float cobbles and boulders containing 60-80% banded to thin wispy laminated, fine to coarse-grained pyrite with lesser galena-sphalerite-chalcopyrite within a chlorite-silica gangue. This float is found scattered over about a 1 km strike length. Sulphide bands are generally high grade; a grab sample returned 9.9% Zn, 13.0% Pb, 0.2% Cu, 106.5 g/t Ag. Chip samples across boulders range from 1.0% Zn, 3.3% Pb, 0.04% Cu and 44.6 g/t Ag over 40 cms to 7.4% Zn, 8.1% Pb, 0.1% Cu and 66.1 g/t Ag over 75 cms. One grab sample returned 11.2% Ba, 0.3% Zn and 3.0 g/t Ag.

This mineralization appears to be located near the contact of a feldspar-quartz pyritic, crystal-rich tuff and a very pyritic, aphanitic felsic volcanic (tuff or flow?). Quartz-barite and quartz-barite-sphalerite(oxidized) veins and veinlets are found to cut the feldspar-quartz pyritic tuffs.

GEOCHEMISTRY

Contour soil geochemistry sampling in the HOME-RUN area has returned strongly anomalous Cu (>65, up to 286 ppm), Pb (>75, up to 1,676 ppm), Zn (>275, up to 4,037 ppm), Ag (>0.8, up to 14.3 ppm), Cd (>2, up to 27 ppm) and Ba (>5,000, up to 19,296 ppm) values over large parts of the properties. Associated anomalous As-Co-Ni-Fe-Cr-V values are present (Appendix 2).

10. BALL PROPERTY GEOLOGY and GEOCHEMISTRY

GEOLOGY

The BALL property is located in the valley bottom, about 1 km northwest of the RUN property and 1 km northeast of the BASE property. Outcrop exposure is nonexistent.

The property likely covers the same late Devonian to mid-Mississippian, "*middle unit*" sequence of locally rusty and pyritic felsic metavolcanics and siliceous, carbonaceous phyllite and schist with interbanded mafic metavolcanics as at the HOME-RUN and BASE properties (Figure 3).

GEOCHEMISTRY

A single contour soil geochemistry line was run along the base of slope near the property's southern edge. This line has identified 2 anomalies. At the line's western end, proximal to the listwanite occurrence on the BASE property, soils returned anomalous Cu (up to 391 ppm) with a strong As-Co-Ni-Fe-Cr-V association (Appendix 2). More significant are the elevated to anomalous Pb (up to 284 ppm), Zn (up to 352 ppm), Ag (up to 3.1 ppm), Cu (up to 73 ppm), Cd (up to 3 ppm) and Ba (up to 8,686 ppm) values returned from the eastern end of the soil line. These anomalies are significant in that they are more typical of the metal association found with the VHMS showings on the RUN property.

11. FLY PROPERTY GEOLOGY, MINERALIZATION and GEOCHEMISTRY

GEOLOGY

The FLY property is located about 2 km south of the HOME property. The property is located above treeline; however, as with the HOME-RUN property, outcrop exposure is generally poor.

The property covers the same late Devonian to mid-Mississippian, "*middle unit*" sequence of felsic metavolcanics and fine clastic metasedimentary rocks as at the HOME-RUN, POP and BASE properties (Figure 3).

The stratigraphy in the FLY property area is generally northwest to southwest-trending with shallow to moderate (15-56°) dips and can be divided into 3 generalized units. The uppermost unit is exposed in the mountain peak area and comprises a thick sequence of locally strongly rusty weathering and Fe-carbonate altered, cream to light green grey, fine-grained, granular, homogenous quartz-feldspar-sericite/muscovite±chlorite schist which primarily exhibits a massive bedded character. These fine felsic tuffs locally grade into crystal tuffs containing up to 35%, light grey to white feldspar and clear grey quartz crystals, generally \leq 1.5 mms. These tuffs are intercalated with a series of creamy white to light grey to rusty weathering, dense, siliceous and fine-grained rocks locally containing up to 10% euhedral, clear quartz phenocrysts, <0.5 mms in size, and white feldspar laths up to 1 mm, interpreted as felsic flows and/or sills/dykes, and minor chloritic mafic flows/tuffs(?). Similar quartz-feldspar phyric to aphyric, rhyolitic flows and/or sills/dykes are common in the sequence which hosts the ABM VHMS deposit. Underlying this unit is an epiclastic dominated interval with mixed siliceous and variably carbonaceous phyllitic mudstone, minor siltstone and fine-grained pyritic felsic tuffs. This interval contains several barite occurrences associated with pyritic felsic tuffs. This epiclastic dominated unit grades into another, underlying, felsic volcanoclastic dominated interval at the north and south ends of the property.

MINERALIZATION

Several barite occurrences were noted in the FLY property area. Quartz-barite veins and veinlets are found in an area of poorly exposed rusty felsic tuffs within the epiclastic dominated interval, in the eastern part of the FLY property. Approximately 2.5 kms west of this showing (~1 km west of the FLY property) is an exposure of a white, locally rusty weathering barite horizon, up to 8 metres thick, is found at a similar stratigraphic level. Rock samples from this outcrop returned up to 53% Ba. Grab samples of the hosting felsic volcanics returned 1.7% Ba and 0.2% Zn.

GEOCHEMISTRY

Contour soil geochemistry sampling was conducted along 3 lines in 2 drainages partially covered by the FLY property.

Two soil lines (100 metre sample spacing) in the southern drainage area returned several anomalous Ag (>0.8, up to 1.4 ppm) values with only elevated Ba (up to 7,481 ppm), Pb (up to 72 ppm) and Cu (up to 74 ppm) values.

A single soil line (50 metre sample spacing) in the drainage covered by the northernmost FLY claims returned numerous significant coincident Cu (>65, up to 228 ppm), Pb (>75, up to 339 ppm), Zn (>275, up to 1,018 ppm), Ag (>0.8, up to 4.1 ppm) and Ba (>5,000, up to 18,627 ppm) anomalies (Appendix 2).

12. BAT PROPERTY GEOLOGY and GEOCHEMISTRY

GEOLOGY

The BAT property is located about 7 km eastsoutheast of the FLY property. The property covers the south end of small hill with outcrops visible from the air. No geological mapping was conducted in 1994. The property likely covers the same late Devonian to mid-Mississippian, "*middle unit*" sequence of felsic metavolcanics and fine clastic metasedimentary rocks as at the HOME-RUN and FLY properties (Figure 3).

GEOCHEMISTRY

A single contour soil line was run along the base of slope near the southern edge of the property. This soil line returned only a few elevated to anomalous Cu (up to 120 ppm), Pb (up to 114 ppm), Ag (up to 1.2 ppm) values (Appendix 2).

13. EXPO PROPERTY MINERALIZATION

Two significant areas of base metal mineralization were discovered in 1994 which led to the staking of the EXPO property.

A. WHITE CREEK Showings

The White Creek Showings are located in a creek approximately 1.5 kms north of the POP property, within an area included in the Berdahl Option (Figure 3).

The main showings consists of VHMS-style mineralization comprising at least 3 bands (up to 1.0 metres thick) of sulphides hosted within a siliceous and barite-carbonate altered(?) felsic volcanic unit. The upper and lower "bands" consist of granular, fine-grained pyrite with minor sphalerite and trace magnetite as wispy bands and fine fracture fillings. Grab samples from these 2 "bands" returned up to 0.9% Zn, 8.2 g/t Ag and 43.0% Ba. The middle "band" comprises massive, very fine-grained pyrrhotite-pyrite ± marcasite with wispy reddish brown sphalerite. Grab samples from this band returned better results, up to 2.6% Zn, 0.2% Cu, 13.2 g/t Ag and 1.5% Ba. The mineralized sequence is about 10 metres thick in the showing area.

About 600 metres up the creek from the main showings, several outcrops of very rusty weathering felsic tuffs containing pyritic bands are present. A float cobble from this area was found to contain banded pyrite and grey sphalerite with lesser chalcopyrite and returned 4.6% Zn, 0.3% Cu, 0.3% Pb and 55.5 g/t Ag (Figure 3). This mineralization has not been sourced.

The showings appear to be found near the base of a thick sequence of felsic tuffaceous rocks that can be traced to the south onto the POP property and to the north. This sequence is north-trending with shallow to moderate (10-30°) west dips. No soil geochemistry sampling was undertaken in this drainage.

B. AKHURST CREEK Showings

The Akhurst Creek Showings are located along 2 creeks in the Akhurst Showing area, approximately 1.0 kms west of the north end of the FLY property, within an area included in the Berdahl Option (Figure 3). The Akhurst barite Showing, also located in this area, was not visited.

The Akhurst Creek Showings comprise abundant float cobbles and boulders of black, very fine-grained, laminated magnetite-silica-barite Fe-formation containing very fine-grained wispy pyrite-sphalerite and trace galena-chalcopyrite. Grab samples returned up to 3.6% Zn, 0.7% Pb, 0.3% Cu, 37.8 g/t Ag and 9.5% Ba. The source of this mineralization is unknown.

The regional significance of this baritic, magnetite Fe-formation and its stratigraphic position relative to the baritic and magnetite-bearing, ABM VHMS Deposit and the Fe-formation at Wolverine Lake is uncertain. Other Zn-Pb-Cu VHMS deposits found in felsic volcano-sedimentary terranes (ie. Bathurst District) occasionally have well developed Fe-formations (either ferruginous oxides formed through sea-floor weathering of sulphides or cherty ferruginous precipitates formed from low-temperature hydrothermal activity) in the hangingwall to the deposits (Franklin, 1993). Besshi-style Fe-Cu ± Zn-Ag massive sulphides with an associated, distal(?), magnetite Fe-formation occur at or near the contact of mafic volcanics and fine sedimentary rocks at Fire Lake (Minfile #34).

Two outcrops found in the creek consists of intercalated siliceous and locally calcareous felsic tuff and minor mafic tuff, barite and manganiferous, siliceous exhalite(?) containing minor fine-grained disseminated pyrite-sphalerite mineralization. Sheared and veined chloritic and siliceous phyllitic tuffs from this area returned impressive values of up to 10.8% Zn, 0.3% Pb, 0.3% Cu and 325 g/t Ag. The barite showing in this area returned 1.3% Zn, 1.3% Pb, 30.0 g/t Ag and 18.0% Ba. The nature of this high grade, Ag-rich mineralization is not understood at present.

All 7 properties are underlain by late Devonian to mid-Mississippian, "middle unit" felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics of the Yukon Tanana Terrane which are host to Cominco's ABM VHMS Deposit.

POP Property

Two occurrences of Zn-Pb-Cu-Ag and Pb-Zn-Ag mineralization were found at the Berdahl showing. The Berdahl showing comprises brecciated rusty felsic and intermediate-mafic rocks with fracture and vein filling calcite-quartz-sphalerite-galena-chalcopyrite. A grab sample returned 1.3% Zn, 1.0% Pb, 0.2% Cu and 37 g/t Ag. Approximately 100 metres east and downslope of this outcrop are float of high grade, disseminated galena-sphalerite in a green, fine-grained siliceous, calc-silicate hornfels (skarn?). Grab samples of float returned up to 7.8% Pb, 3.1% Zn and 83 g/t Ag. Further geological mapping, prospecting and soil geochemistry sampling is strongly recommended for this area.

Soil geochemistry on the geophysical grid lines returned numerous moderate to very strong Cu values with generally coincident, but more scattered, moderate to strong Zn, Ag and elevated Pb values. These anomalies have a strong Ni-Cd-Co-V-Mo-Cr metal signature. The scattering of the anomalies and lack of geology makes interpretation difficult. The 1994 ground geophysical surveys revealed the underlying rocks to be quite conductive. The EM features generally have no magnetic association. Although difficult to interpret in this area, the single line of gravity does not suggest the presence of a gravity anomaly. No further work is recommended for this area.

A soil line along the ridge to the south indicates the presence of a moderate to strong, coincident Cu, Zn and Ag soil anomaly with a strong Ni-Co-V-Mo-Cr-Fe metal association, downslope of the felsic metavolcanic/metasedimentary contact. The presence of a large aeromagnetic feature and the metal association of the soil anomaly suggests that mineralization, reflected in the soil anomalies, may be mafic intrusive related. Further geological mapping, prospecting and soil geochemistry sampling is strongly recommended for this area.

Base Property

A 1.1 metres thick, manganiferous siliceous exhalite(?) showing containing thin, foliation parallel fracture fillings or bands of fine-grained sphalerite-pyrite and trace galena was discovered on the BASE property in 1994. A single grab sample returned 0.9% Zn, 0.5% Pb and 16.3 g/t Ag. The hosting fine-grained felsic tuffs are weakly mineralized over a 10-15 metres thickness. Detailed geological mapping, prospecting and soil geochemistry sampling are required in this area.

A single, short soil line in the northwest part of the property returned several coincident, weak to strong Zn, Pb and supporting, elevated to moderately anomalous Cu values downslope of a thick sequence of pyritic felsic volcanics. Further geological mapping, prospecting and soil geochemistry sampling is recommended for this area.

HOME-RUN Properties

The Run Showings comprises VHMS-style mineralization in numerous pyritic float cobbles and boulders found scattered over about 1 km strike length. Sulphide bands are generally high grade (ie. 9.9% Zn, 13.0% Pb, 0.2% Cu, 106.5 g/t Ag). Chip samples across boulders range up to 7.4% Zn, 8.1% Pb, 0.1% Cu and 66.1 g/t Ag over 75 cms. One grab sample returned 11.2% Ba, 0.3% Zn and 3.0 g/t Ag. Contour soil geochemistry sampling in the HOME-RUN area has returned strongly anomalous Cu, Pb, Zn, Ag, Cd and Ba values over large parts of the properties.

The geology in the showings area remains poorly understood. Detailed geological mapping, prospecting and soil geochemistry sampling are strongly recommended in this area.

Several weak AEM/Mag features are present on the RUN and HOME properties. Ground geophysical surveys (UTEM, HLEM, MAG, GRAVITY?) are recommended to aid in defining drill targets.

BALL Property

A single contour soil geochemistry line was run along the base of slope near the property's southern edge. This line has identified 2 anomalies. The more significant anomaly consists of elevated to anomalous Pb, Zn, Ag, Cu, Cd and Ba values returned from the eastern end of the soil line. These anomalies are more typical of the metal association found with the VHMS showings on the RUN property. Further soil geochemistry sampling and prospecting/ geological mapping are recommended for this area.

FLY Property

Several barite occurrences were noted in the FLY property area. Quartz-barite veins and veinlets are found in an area of poorly exposed rusty weathering felsic tuffs within an epiclastic dominated interval, in the eastern part of the FLY property. Approximately 2.5 kms west of this showing (~1 km west of the FLY property) is an exposure of a white, locally rusty weathering barite horizon up to 8 metres thick found at a similar stratigraphic level. Rock samples from this outcrop returned up to 53% Ba. Grab samples of the hosting felsic volcanics returned 1.7% Ba and 0.2% Zn. Detailed geological mapping, prospecting and soil geochemistry surveys, initially targeting the barite horizon, are recommended.

The drainage at the northern end of the property is strongly anomalous in soils. A single soil line here returned numerous significant coincident Cu, Pb, Zn, Ag and Ba anomalies. Further soil geochemistry sampling and detailed geological mapping and prospecting are strongly recommended.

Ground geophysical surveys (UTEM, HLEM, MAG, GRAVITY?) in the area of the weak AEM/Mag feature are recommended to aid in defining drill targets.

BAT Property

The BAT property is located about 7 km eastsoutheast of the FLY property. No geological mapping was conducted in 1994, although the property likely covers the same late Devonian to mid-Mississippian, "*middle unit*" sequence of felsic metavolcanics and fine clastic metasedimentary rocks.

A single contour soil line, along the southern edge of the property, returned only a few elevated to anomalous Cu, Pb, Ag values. These anomalies are possibly significant. Geological mapping, prospecting and more soil geochemistry sampling are recommended for this area.

EXPO Property

Two significant areas of base metal mineralization were discovered in 1994 which led to the staking of the EXPO property.

A. WHITE CREEK Showings

The White Creek Showings are located in a creek approximately 1.5 kms north of the POP property, within an area subject to the Berdahl Option.

The main showings consists of VHMS-style mineralization comprising at least 3 bands (up to 1.0 metres thick) of sulphides hosted within a siliceous and barite-carbonate altered felsic volcanic unit. The upper and lower "bands" consist of granular, fine-grained pyrite with minor sphalerite and trace magnetite as wispy bands and fine fracture fillings. The middle "band" comprises massive, very fine-grained pyrrhotite-pyrite ± marcasite with wispy reddish brown sphalerite. Grab samples from the middle band returned encouraging results up to 2.6% Zn, 0.2% Cu, 13.2 g/t Ag and 1.5% Ba. The mineralized felsic sequence is about 10 metres thick in the showing area.

About 600 metres up the creek from the main showings, several outcrops of very rusty weathering felsic tuffs containing pyritic bands were located. A float cobble from this area was found to contain banded pyrite and grey sphalerite with lesser chalcopyrite and returned 4.6% Zn, 0.3% Cu, 0.3% Pb and 55.5 g/t Ag. This mineralization has not been sourced.


No soil geochemistry sampling was undertaken in the drainage containing the showings. Detailed geological mapping, prospecting and soil geochemistry sampling are strongly recommended for this drainage area.


The Akhurst Creek Showings comprise abundant float cobbles and boulders of black, very fine-grained, laminated magnetite-silica-barite Fe-formation containing very fine-grained wispy pyrite-sphalerite and trace galena-chalcopyrite. Grab samples returned up to 3.6% Zn, 0.7% Pb, 0.3% Cu, 37.8 g/t Ag and 9.5% Ba. The source of this mineralization is unknown.


Two outcrops found in the creek, below the Fe-formation float "trains", consists of intercalated siliceous and locally calcareous felsic tuff and minor mafic tuff, barite and manganiferous, siliceous exhalite(?) containing minor fine-grained disseminated pyrite-sphalerite mineralization. Sheared and veined chloritic and siliceous phyllitic tuffs from this area returned impressive values of up to 10.8% Zn, 0.3% Pb, 0.3% Cu and 325 g/t Ag. The barite showing in this area returned 1.3% Zn, 1.3% Pb, 30.0 g/t Ag and 18.0% Ba. The nature of this high grade, Ag-rich mineralization is not understood at present.

No soil geochemistry sampling was undertaken in the drainage containing the showings. Detailed geological mapping, prospecting and soil geochemistry sampling are strongly recommended for this drainage area.

Only weak AEM/MAG features were identified in the showing area; however, the topographic location of the showings suggest that the airborne survey may not have been entirely effective in this area. Subsequent ground geophysical surveys will likely be warranted for this area.

Report by: 
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Approved for
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APPENDIX 1

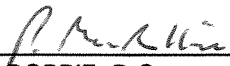
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 11164 Southridge Rd., Delta, B.C. hereby declare that I:

1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.
2. Have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.
3. Am a registered member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

Date: April 10, 1995



P.A MacROBBIE, P.Ge
GEOLOGIST

APPENDIX 2

1994 GEOCHEMISTRY DATA

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(cp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Va	Ba(xrf)	
Pop	S9418192	242746	3	1	3	**	1B	23	1	2	20	4	B2	**	73	25	527	0.6	28	133	1	5	42	1.78	7	56	2	6	70	5	1	13	11	11	278	0.16	0.01	0.78	0.13	0.01	0.05	5	10	-1	
Pop	S9418193	242747	3	1	3	**	2B	23	1	2	30	4	B2	**	59	15	308	1.6	11	238	1	3	45	1.64	11	30	2	5	103	10	1	14	9	10	71	0.07	0.03	0.45	0.06	0.01	0.03	5	10	7984	
Pop	S9418194	242748	3	1	2	**	2B	23	1	2	40	4	B2	**	132	16	619	0.8	21	584	2	7	115	3.21	16	43	2	5	159	9	1	46	32	26	256	0.28	0.01	0.92	0.53	0.01	0.03	5	10	8391	
Pop	S9418195	242749	3	1	3	**	1B	23	1	2	20	4	B2	**	189	18	256	0.6	26	313	1	14	125	2.22	11	28	2	2	78	1	1	38	31	28	429	0.44	0.02	0.86	0.54	0.01	0.08	5	10	6841	
Pop	S9418196	242750	3	1	2	**	1B	23	1	2	30	4	B2	**	217	28	724	2.2	88	557	5	8	187	2.25	27	46	2	2	358	1	1	38	44	37	228	0.36	0.03	0.83	0.37	0.01	0.07	5	10	11004	
Pop	S9418197	242751	3	1	3	**	1B	23	1	2	40	4	B2	**	166	25	937	1.2	23	747	4	28	207	3.18	23	93	2	5	122	8	1	49	39	42	533	0.90	0.06	1.15	0.31	0.01	0.13	5	10	11754	
Pop	S9418198	242752	3	1	2	**	1B	23	1	2	30	4	B2	**	189	34	552	1.5	61	535	2	13	181	2.73	17	36	2	2	136	6	1	54	36	31	319	0.45	0.02	0.79	0.78	0.01	0.04	5	10	8288	
Pop	S9418199	242753	3	1	2	**	2B	23	1	2	10	4	B2	**	222	43	633	2.1	47	665	3	12	163	3.22	13	32	2	2	111	5	1	46	50	37	408	0.45	0.01	0.85	0.66	0.01	0.05	5	10	11004	
Pop	S9418200	242754	3	1	2	**	1B	23	1	2	10	4	B2	**	143	33	575	1.7	36	623	3	11	117	2.79	15	28	2	2	105	1	1	43	33	25	321	0.39	0.01	0.76	0.52	0.01	0.03	5	10	7573	
Pop	S9418201	242755	3	1	2	**	1B	23	1	2	20	4	B2	**	186	74	591	2.3	48	275	1	15	144	2.94	12	39	2	9	133	10	1	39	34	26	736	0.50	0.01	0.97	0.56	0.01	0.04	5	10	7908	
Pop	S9418202	242756	3	1	2	**	2B	23	1	2	30	4	B2	**	147	23	613	0.9	46	422	2	17	184	4.23	27	22	2	2	67	11	1	45	21	20	310	0.19	0.01	0.54	0.24	0.01	0.05	5	10	11756	
Pop	S9418203	242757	3	1	2	**	2B	23	2	2	40	4	B2	**	54	6	106	0.6	10	280	1	2	41	0.59	8	14	2	2	37	1	1	23	12	9	139	0.13	0.01	0.39	0.30	0.02	0.03	5	10	2975	
Pop	S9418204	242758	3	1	2	**	1G	23	1	2	40	4	B2	**	135	34	1032	2.0	48	593	2	17	176	3.17	24	26	2	6	112	7	1	55	25	26	590	0.36	0.01	0.75	0.37	0.01	0.10	5	10	8467	
Pop	S9418205	242759	3	1	2	**	2B	23	1	2	30	4	B2	**	69	30	239	1.9	40	329	1	4	64	2.95	16	28	2	9	132	1	1	30	15	16	247	0.23	0.05	0.73	0.26	0.01	0.06	5	10	7154	
Pop	S9418206	242760	3	1	2	**	2B	23	1	2	30	4	B2	**	41	13	153	0.8	9	153	1	2	42	1.28	15	7	2	2	99	1	1	9	4	8	39	0.01	0.02	0.17	0.01	0.01	0.03	5	10	8018	
Pop	S9418207	242761	3	1	2	**	2B	23	1	2	30	4	B2	**	6	2	20	0.5	8	38	1	1	5	0.29	4	2	2	2	13	1	1	8	1	2	102	0.01	0.01	0.35	0.03	0.03	0.02	5	10	2193	
Pop	S9418208	242762	3	1	2	**	2B	23	1	2	30	4	B2	**	70	21	247	0.6	32	267	1	3	71	1.73	12	15	2	7	83	9	1	15	10	15	66	0.05	0.01	0.49	0.03	0.01	0.04	5	10	6007	
Pop	S9418209	242763	3	1	2	**	2B	23	1	2	30	4	B2	**	73	23	185	1.2	23	145	1	3	65	1.88	14	18	2	6	116	1	1	17	9	14	193	0.06	0.03	0.40	0.08	0.01	0.04	5	10	6809	
Pop	S9418210	242764	3	1	2	**	2B	23	1	2	30	4	B2	**	29	17	69	2.2	13	775	1	1	19	5.47	6	31	2	2	14	11	10	1	35	3	11	67	0.25	0.44	1.04	0.07	0.02	0.04	5	10	9635
Pop	S9418211	242765	3	1	2	**	1G	23	1	2	10	4	B2	**	38	14	137	1.0	13	129	1	2	38	1.28	8	12	2	5	144	1	1	11	5	8	79	0.02	0.03	0.24	0.05	0.01	0.02	5	10	7963	
Pop	S9418212	242766	3	1	2	**	2G	23	1	2	15	4	B2	**	36	8	97	2.2	10	101	1	2	33	1.05	13	7	2	2	120	1	1	10	6	10	23	0.01	0.04	0.16	0.02	0.01	0.02	5	10	6761	
Pop	S9418213	242767	3	1	2	**	1B	23	1	2	15	4	B2	**	76	13	216	1.5	19	167	1	3	75	1.89	13	16	2	2	189	1	1	13	8	11	49	0.06	0.03	0.29	0.07	0.01	0.03	5	10	-1	
Pop	S9418214	242768	3	1	2	**	2B	23	1	2	20	4	B2	**	235	18	1032	4.4	40	496	4	12	208	2.09	11	28	2	2	100	6	1	38	30	24	436	0.30	0.04	1.04	0.33	0.01	0.08	5	10	5576	
Pop	S9418215	242769	3	1	2	**	1B	23	1	2	10	4	B2	**	50	10	130	2.5	20	353	1	2	36	1.10	9	11	2	2	78	7	1	17	9	11	54	0.07	0.02	0.55	0.07	0.02	0.03	5	10	4896	
Pop	S9418216	242770	3	1	2	**	2B	23	1	2	15	4	B2	**	188	16	1189	1.7	45	345	5	21	244	2.81	26	26	2	2	152	7	1	48	37	32	432	0.46	0.04	0.73	0.58	0.01	0.05	5	10	7381	
Pop	S9418217	242771	3	1	3	**	2G	2	1	2	20	4	B2	**	40	20	168	0.8	9	188	1	4	27	2.10	7	22	2	2	74	4	1	23	6	12	176	0.16	0.06	0.68	0.06	0.01	0.03	5	10	5713	
Pop	S9418218	242772	3	1	3	**	1B	23	1	2	15	4	B2	**	276	24	675	2.0	50	4671	2	128	159	8.26	37	91	2	2	94	15	1	51	24	34	1311	1.67	0.19	2.43	0.38	0.01	0.08	5	10	9747	
Pop	S9418219	242773	3	1	3	**	2B	23	1	2	15	4	B2	**	59	16	301	0.8	26	251	1	3	75	2.05	20	17	2	5	121	4	1	22	12	13	44	0.05	0.03	0.36	0.03	0.01	0.03	5	10	6955	
Pop	S9418220	242774	3	1	2	**	2B	23	1	2	20	3	B2	**	54	17	208	1.1	18	632	1	7	37	2.28	18	55	2	2	88	8	1	20	8	13	258	0.54	0.17	1.23	0.14	0.01	0.05	5	10	10250	
Pop	S9418221	242775	3	1	2	**	1B	23	1	2	40	3	B2	**	43	15	180	0.8	24	135	1	2	48	1.23	14	9	2	9	94	5	1	13	7	7	32	0.04	0.03	0.34	0.06	0.01	0.03	5	10	5884	
Pop	S9418222	242776	3	1	2	**	2B	23	1	2	30	3	B2	**	70	32	237	0.6	48	243	3	6	89	2.50	21	17	2	2	161	5	1	14	11	8	136	0.20	0.04	0.46	0.10	0.01	0.03	5	10	9611	
Pop	S9418568	243730	1	1	1	**	2B	34	2	2	55	2	B2	**	811	32	1758	2.0	58	1104	17	13	396	4.53	21	85	2	2	141	4	1	60	73	86	556	0.98	0.03	2.61	0.62	0.02	0.32	5	10	4436	
Pop	S9418569	243731	1	1	5	**	RB	23	1	2	40	3	B2	**	38	22	158	0.5	28	121	1	3	25	1.90	4	27	2	2	68	1	1	15	6	8	151	0.21	0.02	0.78	0.18	0.01	0.05	5	10	4002	
Pop	S9418570	243732	1	1	5	**	2B	23	1	2	40	3	B2	**	22	9	74	0.2	13	83	1	1	9	0.84	3	12	2	2	39	1	1	9	2	5	77	0.06	0.01	0.74	0.08	0.02	0.03	5	10	3291	
Pop	S9418571	243733	1	1	5	**	2G	12	2	2	40	2	B	**	18	6	68	0.8	18	99	1	1	10	0.68	14	7	2	5	71	1	1	6	3	11	20	0.03	0.01	0.34	0.04	0.01	0.04	5	10	2760	
Pop	S9418572	243734	1	1	5	**	GB	23	1	2	40	2	B2	**	37	16	83	0.6	18	295	1	2	15	1.15	1	15	2	2	58	6	1	13	5	10	117	0.20	0.01	1.10	0.10	0.01	0.13	5	10	4034	
Pop	S9418573	243735	1	1	5	**	1B	23	2	2	35	2	B2	**	5	4	29	0.2	5																										

Pop	S9418601	243763	1	1	5	**	GB	24	1	2	50	3	B2	**	16	14	63	0.2	1	99	1	4	8	0.98	2	10	2	2	20	1	1	15	2	5	186	0.24	0.01	0.47	0.26	0.01	0.06	5	10	2200	
Pop	S9418602	243764	1	1	5	**	1G	25	1	2	40	3	G	**	38	17	151	0.2	8	272	2	5	23	1.19	4	14	2	2	23	1	1	21	5	8	316	0.35	0.01	0.72	0.38	0.01	0.08	5	10	2977	
Pop	S9418603	243765	1	1	5	**	2B	24	1	2	30	2	B2	**	120	31	266	0.5	6	459	3	7	55	2.41	5	27	2	5	57	8	1	21	7	12	294	0.45	0.01	1.47	0.24	0.01	0.23	5	10	3077	
Pop	S9418604	243766	1	1	5	**	2B	24	2	2	50	3	B2	**	148	27	294	0.2	10	428	3	8	56	1.94	8	14	2	2	24	1	1	21	15	19	381	0.49	0.01	1.15	0.33	0.01	0.13	5	10	2844	
Pop	S9418605	243767	1	1	2	**	1Y	34	1	1	35	4	B2	**	57	24	104	0.6	14	166	1	3	21	2.14	6	14	2	5	33	4	1	14	4	9	134	0.29	0.01	1.17	0.12	0.01	0.08	5	10	5417	
Pop	S9418606	243768	1	1	1	3	1B	34	1	3	30	2	B2	**	204	34	320	0.7	8	411	2	7	52	2.56	6	22	2	2	33	2	1	19	32	39	248	0.49	0.01	1.57	0.28	0.01	0.16	5	10	3123	
Pop	S9418607	243769	1	1	1	**	2B	34	1	2	50	3	B2	**	457	33	785	0.5	10	408	12	12	158	2.62	9	23	2	2	35	1	1	30	41	38	507	0.58	0.01	1.58	0.54	0.01	0.17	5	10	2922	
Pop	S9418608	243770	1	1	1	**	2B	2	2	2	30	2	B2	**	55	31	545	0.8	192	315	3	22	105	3.37	10	47	2	19	294	6	1	33	18	14	1388	0.03	0.01	0.45	0.74	0.01	0.04	5	10	3951	
Pop	S9418609	243771	1	1	4	**	3G	23	1	2	35	3	C1	**	1	2	7	0.2	2	15	1	1	1	0.03	1	2	2	2	2	1	1	1	1	1	2	0.01	0.01	0.03	0.01	0.01	0.01	5	10	6384	
Pop	S9418610	243772	1	1	5	**	GB	1	3	2	40	3	B1	**	8	2	16	0.7	4	87	1	1	1	0.19	1	2	2	2	5	1	1	5	1	2	42	0.01	0.01	0.34	0.02	0.02	0.02	5	10	2193	
Pop	S9418611	243773	1	1	5	**	2B	23	2	2	35	3	B2	**	53	53	280	0.2	31	161	1	6	43	2.36	5	26	2	2	104	5	1	16	9	9	369	0.31	0.01	0.86	0.23	0.01	0.06	5	10	4320	
Pop	S9418612	243774	1	1	5	**	2B	23	1	2	35	3	B2	**	161	21	2376	0.2	42	625	11	20	229	2.33	10	34	2	2	93	1	1	24	70	56	558	0.69	0.01	1.56	0.35	0.01	0.11	5	10	4324	
Pop	S9418613	243775	1	1	5	3	1B	23	1	3	40	3	B2	**	159	16	2158	0.7	40	510	15	12	224	2.39	9	21	2	2	59	1	1	28	42	29	427	0.73	0.01	1.39	0.48	0.01	0.14	5	10	3385	
Pop	S9418614	243776	1	1	5	**	1Y	23	1	2	40	3	B2	**	31	11	524	0.2	36	229	5	5	44	1.49	4	10	2	2	37	6	1	14	9	8	198	0.46	0.01	0.76	0.19	0.01	0.08	5	10	2872	
Pop	S9418615	243777	1	1	5	**	2B	23	2	2	50	3	B2	**	106	22	962	0.6	75	423	22	4	129	2.33	29	58	2	2	207	2	1	37	25	15	204	0.28	0.02	0.59	0.65	0.01	0.02	5	10	3727	
Pop	S9418616	243778	1	1	4	**	3G	2	2	2	40	3	C1	**	49	7	246	1.0	14	292	5	1	34	1.04	50	7	2	8	114	1	1	24	10	3	36	0.02	0.01	0.26	0.27	0.01	0.02	5	10	3904	
Pop	S9418617	243779	1	1	5	**	2B	23	1	2	35	3	B2	**	21	9	123	0.9	15	73	1	2	31	1.06	5	8	2	2	55	1	1	9	6	7	62	0.10	0.01	0.57	0.10	0.01	0.02	5	10	5147	
Pop	S9418618	243780	1	1	4	**	1B	2	1	2	40	4	C1	**	113	4	362	1.5	51	910	2	14	91	4.57	17	123	2	9	63	2	1	45	69	59	416	1.99	0.12	2.19	0.75	0.01	0.28	5	10	11258	
Pop	S9418619	243781	1	1	5	**	1B	2	2	2	40	3	B2	**	37	11	66	0.2	5	610	2	13	12	0.48	7	8	2	2	8	1	1	27	9	20	1240	0.10	0.01	0.51	0.44	0.03	0.03	5	10	2383	
Pop	S9418620	243782	1	1	5	**	2B	2	2	2	40	4	B2	**	14	5	25	0.2	3	123	1	1	3	0.69	1	5	2	2	17	1	1	7	1	3	64	0.16	0.01	0.66	0.06	0.01	0.04	5	10	2689	
Pop	S9418621	243783	1	1	5	**	2B	23	1	2	40	4	B2	**	30	13	49	0.2	3	125	1	4	7	1.60	7	10	2	2	27	3	1	9	2	6	149	0.38	0.01	0.95	0.10	0.01	0.05	5	10	2612	
Pop	S9418622	243784	1	1	4	**	1B	12	2	2	25	2	C1	**	4	8	14	0.4	1	71	1	1	2	0.22	1	4	2	2	8	1	1	5	1	5	24	0.02	0.01	0.58	0.05	0.01	0.03	5	10	4063	
Pop	S9418623	243785	1	1	5	**	1Y	23	1	2	30	3	B2	**	31	15	50	0.2	9	190	1	5	14	1.72	2	14	2	2	35	2	1	10	3	6	177	0.30	0.01	1.03	0.13	0.01	0.08	5	10	3065	
Pop	S9418624	243786	1	1	5	**	2Y	23	1	1	35	3	B2	**	27	19	77	1.9	10	193	1	5	15	2.75	1	21	2	2	54	3	1	13	4	6	227	0.38	0.01	1.45	0.22	0.01	0.10	5	10	2384	
Pop	S9418625	243787	1	1	4	**	2B	23	2	2	30	4	B2	**	125	17	242	1.7	44	271	2	14	74	2.20	4	21	2	2	70	1	1	18	12	11	1142	0.24	0.01	0.75	0.33	0.01	0.07	5	10	4357	
Pop	S9418626	243788	1	1	5	**	1G	23	2	2	35	2	B1	**	8	7	18	0.2	4	91	1	1	1	0.38	1	2	2	2	9	19	1	1	7	1	3	71	0.05	0.01	0.76	0.06	0.01	0.04	5	10	2193
Pop	S9418627	243789	1	1	5	**	1B	14	3	2	40	3	B2	**	33	15	215	0.2	1	146	1	8	31	1.25	4	12	2	2	22	1	1	13	3	6	296	0.30	0.01	0.76	0.21	0.01	0.08	5	10	2147	
Pop	S9418628	243790	1	1	1	3	1B	13	1	3	40	3	B2	**	95	23	208	0.2	11	162	1	6	42	1.66	4	18	2	2	30	1	1	17	6	10	211	0.42	0.01	1.03	0.25	0.01	0.14	5	10	2337	
Pop	S9418629	243792	1	1	1	**	2B	23	1	2	40	3	B2	**	63	32	148	0.9	7	271	1	7	25	2.01	1	19	2	2	27	3	1	17	5	12	279	0.46	0.01	1.29	0.23	0.01	0.16	5	10	2546	
Pop	S9418630	243793	1	1	5	**	1G	14	3	1	40	3	B1	**	12	10	41	0.2	1	67	1	3	6	0.54	1	6	2	2	9	1	1	5	1	2	99	0.12	0.01	0.42	0.04	0.02	0.05	5	10	1697	
Pop	S9418631	243794	1	1	5	**	2B	23	2	2	30	2	B2	**	33	19	41	0.2	11	73	1	4	4	2.05	9	10	2	2	61	1	1	8	1	3	102	0.16	0.03	0.90	0.08	0.01	0.09	5	10	1809	
Pop	S9418632	243795	1	1	5	**	2B	24	2	2	40	2	B2	**	7	11	17	0.2	1	65	1	1	1	0.53	1	5	2	2	20	1	1	8	1	3	39	0.06	0.01	0.67	0.05	0.01	0.07	5	10	1796	
Pop	S9418633	243796	1	1	5	**	2B	23	2	2	40	2	B2	**	10	13	37	0.2	3	84	1	3	5	2.05	1	11	2	2	56	1	1	10	1	3	113	0.20	0.06	0.91	0.08	0.01	0.09	5	10	1615	
Pop	S9418634	243797	1	1	5	**	2Y	23	1	2	30	2	B2	**	40	14	32	0.2	7	51	1	2	5	1.87	1	7	2	5	49	2	1	6	1	3	65	0.12	0.02	0.87	0.06	0.01	0.03	5	10	1841	
Pop	S9418635	243798	1	1	5	**	2Y	23	1	2	25	2	B2	**	23	19	55	0.2	8	70	1	2	11	2.10	1	15	2	2	70	2	1	7	2	5	139	0.13	0.02	0.89	0.08	0.01	0.04	5	10	3210	
Pop	S9418636	243799	1	1	1	**	2B	23	2	1	25	4	B2	**	77	43	217	0.7	15	139	1	15	39	3.05	5	26	2	7	41	4	1	11	4	6	946	0.49	0.02	1.24	0.17	0.01	0.09	5	10	2990	
Pop	S9418637	243800	1	1	1	3	1B	23	3	3	30	1	B1	**	22	9	80	0.2	12	713	1	2	10	0.86	6	10	2	2	17	1	1	28	6	9	110	0.12	0.01	0.72	0.51	0.01	0.02	5	10	3028	
Pop	S9418638	243801	1	1	5	**	1Y	23	1	2	40	4	B2	**	69	22	177	0.7	16	248	1	9	43	1.67	3	19	2	2	24	4	1	21	12	19	295	0.44	0.01	0.78	0.42	0.01					

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	WS	F/W	P	Cu	Pb	Zn	Ag	As	Ba(lcp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Base	S9418387	244105	2	1	2	**	BR	23	3	2	10	3	B2	**	81	41	441	6.5	77	9953	7	22	68	3.08	26	44	2	7	378	1	1	32	19	25	443	0.52	0.02	1.12	0.29	0.01	0.05	5	10	18990
Base	S9418388	244108	2	1	2	**	1B	23	3	2	15	3	B2	**	9	5	60	0.7	18	204	1	1	10	0.48	1	4	2	2	21	1	1	5	1	9	37	0.01	0.01	0.32	0.03	0.01	0.03	5	10	4279
Base	S9418389	244107	2	1	2	**	1B	23	3	2	30	3	B2	**	81	23	349	1.2	67	2093	6	8	63	1.46	8	13	2	2	41	1	1	34	18	10	875	0.23	0.01	0.58	0.50	0.01	0.04	5	10	7487
Base	S9418390	244108	2	1	2	**	KB	23	3	2	35	3	B2	**	305	25	793	2.8	26	2675	27	11	217	1.67	2	12	2	5	31	1	1	102	41	12	563	0.20	0.01	0.64	1.74	0.01	0.01	5	10	6165
Base	S9418391	244109	2	1	2	**	BK	4	3	3	35	3	B2	**	93	66	494	2.4	86	1910	5	15	63	3.18	13	34	2	2	92	1	1	45	13	15	445	0.48	0.01	0.86	0.63	0.01	0.04	5	10	7974
Base	S9418392	244110	2	1	2	**	1B	23	3	2	25	3	B2	**	52	61	329	1.9	78	1713	2	17	63	3.47	14	44	2	9	86	1	1	37	8	11	392	0.57	0.01	0.80	0.52	0.01	0.03	5	10	6803
Base	S9418393	244111	2	1	2	**	2B	23	3	2	35	3	Z	**	87	33	525	1.4	69	1980	9	12	78	2.68	13	17	2	2	49	1	1	52	16	17	330	0.32	0.01	0.64	0.77	0.01	0.04	5	10	6999
Base	S9418394	244112	2	1	2	**	3B	23	3	2	40	3	Z	**	34	64	164	2.9	77	846	2	10	25	1.58	11	18	2	2	119	1	1	25	8	11	506	0.15	0.01	0.45	0.25	0.02	0.04	5	10	7304
Base	S9418395	244113	2	1	2	**	3B	23	3	2	20	3	B2	**	27	12	163	5.5	33	811	5	4	20	0.72	6	15	2	2	39	1	1	28	5	9	184	0.15	0.01	0.38	0.32	0.01	0.06	5	7	6909
Base	S9418396	244114	2	1	2	**	3B	23	3	2	20	3	B2	**	91	30	163	5.0	31	821	6	2	32	0.77	3	10	2	2	30	1	1	31	12	6	130	0.05	0.01	0.32	0.33	0.03	0.03	5	10	5951
Base	S9418397	244115	2	1	2	**	1B	23	3	2	20	3	B2	**	95	36	342	3.2	79	1349	4	7	61	2.18	16	29	2	2	168	3	1	162	19	17	402	0.06	0.01	0.51	0.89	0.02	0.09	5	10	17052
Base	S9418398	244116	2	1	2	**	1B	23	3	2	30	3	B2	**	54	24	195	0.9	47	1025	1	14	55	3.01	6	20	2	2	34	1	1	41	6	10	1356	0.20	0.01	0.54	0.38	0.01	0.05	5	10	7281
Base	S9418399	244117	2	1	2	**	1B	23	3	2	20	3	B2	**	43	14	150	0.7	20	717	1	14	36	3.12	4	24	2	2	40	1	1	50	11	17	405	0.37	0.02	0.73	0.62	0.01	0.09	5	10	5061
Base	S9418400	244118	2	1	2	**	1B	23	3	2	25	3	B2	**	42	15	85	0.5	28	524	1	15	22	2.41	3	10	2	2	23	1	1	40	7	8	1247	0.18	0.01	0.43	0.45	0.01	0.05	5	10	4786
Base	S9418401	244119	2	1	2	**	2B	23	3	2	25	3	B2	**	59	82	398	3.0	77	1016	4	9	51	2.08	9	14	5	2	56	1	1	60	12	10	756	0.16	0.01	0.50	0.61	0.01	0.04	5	10	7791
Base	S9418402	244120	2	1	2	**	1B	23	3	2	30	3	B2	**	9	21	38	0.2	14	262	1	1	9	0.77	2	8	2	2	30	1	1	10	3	13	60	0.09	0.01	0.72	0.08	0.01	0.05	5	10	4279
Base	S9418403	244121	2	1	2	**	2B	23	3	2	25	3	B2	**	3	8	21	0.2	2	42	1	1	3	0.24	1	2	2	2	5	1	1	5	1	6	33	0.01	0.01	0.39	0.02	0.02	0.03	5	10	1202
Base	S9418404	244122	2	1	2	**	1B	23	3	2	20	3	B2	**	27	15	124	0.7	12	718	1	4	24	1.70	1	26	2	2	40	1	1	24	5	13	205	0.51	0.02	1.09	0.21	0.01	0.18	5	10	4975
Base	S9418405	244123	2	1	2	**	1B	24	3	3	30	3	B2	**	43	35	224	2.4	47	1083	1	14	35	2.95	4	31	2	2	49	4	1	35	7	16	968	0.60	0.01	1.34	0.42	0.01	0.16	5	10	5267
Base	S9418406	244124	2	1	2	**	2B	23	3	2	25	2	B2	**	45	16	134	1.6	21	748	1	6	26	1.55	2	18	2	2	27	1	1	25	6	14	257	0.34	0.01	0.89	0.25	0.03	0.15	5	10	3359
Base	S9418407	244125	2	1	2	**	2B	5	3	2	25	2	B2	**	39	18	148	0.6	15	1715	1	6	26	1.98	1	24	2	9	37	1	1	42	7	15	245	0.54	0.02	1.11	0.46	0.01	0.12	5	10	5446
Base	S9418408	244126	2	1	2	**	1B	3	3	2	35	2	B2	**	6	11	24	0.2	8	261	1	1	5	0.45	2	5	2	2	20	1	1	12	3	8	32	0.06	0.01	0.32	0.11	0.01	0.02	5	10	3697
Base	S9418409	244127	2	1	2	**	2B	23	3	2	30	2	B2	**	41	8	152	0.2	11	384	1	5	29	1.52	1	24	2	2	33	1	1	22	5	11	323	0.40	0.03	0.62	0.35	0.01	0.06	5	10	4222
Base	S9418410	244128	2	1	2	**	BR	23	3	2	25	2	B2	**	30	19	129	0.5	36	101	1	5	32	2.50	3	28	2	2	70	1	1	11	4	9	214	0.34	0.04	0.74	0.09	0.01	0.06	5	10	3856
Base	S9418411	244129	2	1	2	**	GR	5	3	2	30	2	B2	**	88	35	266	1.0	54	1301	2	12	57	2.95	3	26	2	2	44	1	1	33	12	17	368	0.48	0.02	1.09	0.38	0.01	0.11	5	10	5092
Base	S9418412	244130	2	1	2	**	BR	23	3	2	25	2	B2	**	59	48	318	1.5	52	4111	1	18	65	3.15	7	22	2	12	70	1	1	55	9	10	1944	0.28	0.01	0.75	0.28	0.01	0.08	5	10	18453
Base	S9418413	244131	2	1	2	**	1B	23	3	2	30	2	B2	**	46	11	140	0.4	26	657	1	10	18	2.20	6	6	2	2	20	2	1	12	3	7	732	0.08	0.01	0.26	0.11	0.01	0.04	5	10	4296
Base	S9418414	244132	2	1	2	**	BR	23	3	2	30	2	B2	**	48	33	152	0.9	44	1095	1	19	29	2.56	4	16	2	2	29	1	1	28	9	16	1565	0.35	0.01	0.78	0.26	0.01	0.12	5	10	6234
Base	S9418415	244133	2	1	2	**	BR	23	3	3	30	2	B2	**	41	20	122	0.8	22	1533	1	9	21	1.63	3	15	2	2	25	1	1	32	7	14	323	0.35	0.02	0.77	0.31	0.01	0.10	5	10	4171
Base	S9418416	244134	2	1	2	**	K	14	3	2	31	2	B2	**	173	16	85	0.2	11	1085	1	6	97	1.40	2	13	2	7	15	1	1	220	22	23	465	0.36	0.01	0.90	2.55	0.01	0.03	5	10	2532
Base	S9418417	244135	2	1	2	**	BR	23	3	2	33	2	B2	**	26	18	92	0.7	72	414	1	9	44	1.61	1	19	2	9	21	1	1	43	7	11	752	0.21	0.01	0.59	0.54	0.01	0.06	5	10	2502
Base	S9418418	244136	2	1	2	**	BR	3	3	2	35	2	Z	**	64	88	368	3.3	97	870	3	12	57	2.35	7	18	2	2	62	1	1	75	16	14	1239	0.25	0.01	0.69	0.81	0.01	0.05	5	10	7275
Base	S9418419	244137	2	1	2	**	BR	23	3	2	25	2	B2	**	20	40	110	0.2	7	1537	1	13	19	2.34	1	15	2	2	41	1	1	40	3	8	1530	0.26	0.02	0.88	0.45	0.01	0.11	5	10	4086
Base	S9418420	244138	2	1	2	**	BR	23	3	2	30	2	B2	**	8	6	33	0.5	18	1782	1	3	8	0.84	1	4	2	2	32	1	1	10	2	8	101	0.07	0.01	0.57	0.06	0.01	0.04	5	10	3915
Base	S9418421	244139	2	1	2	**	BR	23	3	2	20	2	B2	**	48	22	205	0.6	40	716	1	33	71	4.40	4	42	2	2	68	1	1	25	9	14	2258	0.48	0.01	1.22	0.36	0.01	0.06	5	10	4183
Base	S9418422	244140	2	1	2	**	BR	23	3	2	21	2	B2	**	31	17	110	0.5	18	303	1	9	51	2.51	1	47	2	2	63	4	1	15	5	10	305	0.58	0.01	1.27	0.18	0.01	0.06	5	10	2497
Base	S9418423	244141	2	1	2	**	BR	23	3	2	20	2	B2	**	46	18	134	0.6	50	363	1	13	97	3.43	2	100	2	2	88</															

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(cp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)	
Homerun	S9418879	216799	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	109	58	444	2.6	67	634	6	5	80	2.82	15	22	6	5	82	7	1	33	28	19	213	0.10	0.01	0.61	0.15	0.01	0.06	5	10	8484	
Homerun	S9418880	216800	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	79	119	462	2.8	36	349	1	3	54	2.68	12	17	5	2	64	8	1	42	5	10	453	0.11	0.01	0.40	0.08	0.01	0.06	5	10	8338	
Homerun	S9418881	216801	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	31	15	127	1.4	18	265	1	1	20	0.75	6	6	2	2	38	2	1	18	4	9	2659	0.02	0.01	0.26	0.06	0.02	0.05	5	10	3213	
Homerun	S9418882	216802	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	46	20	199	0.8	38	151	1	2	34	1.49	9	10	2	2	58	8	1	16	4	10	78	0.01	0.01	0.31	0.01	0.01	0.04	5	10	4293	
Homerun	S9418883	216803	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	33	22	142	1.4	15	178	1	1	27	1.13	5	8	2	2	69	2	1	17	4	10	99	0.01	0.01	0.18	0.02	0.01	0.04	5	10	5544	
Homerun	S9418884	216804	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	44	25	182	0.7	35	196	1	2	34	1.88	6	12	2	2	57	6	1	22	4	8	74	0.08	0.01	0.34	0.05	0.01	0.03	5	10	4630	
Homerun	S9418885	216805	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	44	27	199	0.8	40	409	1	3	32	1.74	3	16	6	6	64	6	1	17	6	9	278	0.08	0.01	0.40	0.05	0.01	0.04	5	10	4488	
Homerun	S9418886	216806	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	37	25	177	0.6	25	580	1	2	29	1.11	8	7	5	17	2	59	1	15	4	9	402	0.01	0.01	0.27	0.02	0.01	0.04	5	10	4197	
Homerun	S9418887	216807	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	68	29	304	1.6	36	344	1	4	48	1.85	8	12	2	5	73	3	1	21	5	10	884	0.03	0.01	0.25	0.09	0.01	0.06	5	10	6268	
Homerun	S9418888	216808	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	48	21	164	0.8	24	235	1	3	35	1.59	5	11	7	2	70	9	1	16	4	9	134	0.04	0.01	0.40	0.04	0.01	0.04	5	10	4808	
Homerun	S9418889	216809	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	82	43	405	1.5	51	562	5	11	58	3.56	8	21	2	2	59	5	1	37	13	9	724	0.16	0.01	1.13	0.14	0.01	0.12	5	10	4640	
Homerun	S9418890	216810	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	54	76	223	1.1	54	167	1	2	35	1.95	6	7	2	2	32	7	1	16	2	7	63	0.05	0.01	0.37	0.02	0.01	0.05	5	10	7690	
Homerun	S9418891	216811	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	82	44	432	1.7	50	239	5	48	125	2.68	7	7	2	2	20	6	1	23	10	8	1396	0.07	0.01	0.36	0.10	0.01	0.04	5	10	8064	
Homerun	S9418892	216812	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	52	40	223	2.6	38	275	1	4	35	1.85	9	8	2	10	44	1	1	17	3	8	406	0.03	0.01	0.28	0.11	0.01	0.05	5	10	5591	
Homerun	S9418893	216813	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	51	41	249	1.9	34	242	1	3	40	1.89	7	11	2	2	53	1	1	17	4	13	146	0.02	0.01	0.42	0.04	0.01	0.04	5	10	5444	
Homerun	S9418894	216814	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	56	46	242	1.6	58	215	1	3	38	1.59	12	11	2	2	74	1	1	12	8	11	185	0.02	0.01	0.54	0.02	0.02	0.03	5	10	5003	
Homerun	S9418895	216815	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	49	44	160	2.0	35	890	4	8	38	2.79	16	7	2	2	46	1	1	15	19	15	3609	0.03	0.01	0.64	0.11	0.02	0.04	5	10	3580	
Homerun	S9418896	216816	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	39	28	229	1.1	38	155	1	2	33	1.27	12	10	2	7	82	3	1	11	4	10	97	0.01	0.01	0.34	0.01	0.02	0.02	5	10	4519	
Homerun	S9418897	216817	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	57	78	351	1.9	93	341	1	6	52	2.23	15	16	2	7	109	7	1	15	10	13	2506	0.04	0.01	0.40	0.06	0.01	0.05	5	10	5612	
Homerun	S9418898	216818	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	59	120	214	1.8	25	141	2	8	50	2.25	5	30	2	2	36	5	1	21	8	13	197	0.31	0.03	0.87	0.21	0.01	0.03	5	10	2683	
Homerun	S9418899	216819	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	51	89	237	1.6	53	189	1	3	40	2.01	9	16	2	6	92	2	1	15	8	14	102	0.05	0.01	0.55	0.03	0.01	0.04	5	10	4914	
Homerun	S9418900	216820	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	66	78	374	1.8	98	267	1	3	57	2.49	17	18	2	10	142	7	1	17	10	13	185	0.08	0.01	0.46	0.08	0.01	0.04	5	10	6398	
Homerun	S9418901	216821	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	44	74	153	1.5	43	220	1	3	31	2.18	7	17	2	2	60	12	1	26	6	14	117	0.11	0.02	0.47	0.11	0.01	0.04	5	10	4396	
Homerun	S9418902	216822	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	58	78	227	1.5	51	202	1	4	42	1.88	9	18	2	8	78	7	1	18	9	14	367	0.07	0.01	0.40	0.08	0.01	0.04	5	5	-1	
Homerun	S9418903	216823	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	75	116	252	2.2	51	201	1	7	48	2.55	8	20	2	2	43	9	1	34	8	15	211	0.23	0.01	0.72	0.15	0.01	0.04	5	10	4029	
Homerun	S9418904	216824	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	144	103	672	2.7	122	557	5	14	117	4.60	29	20	2	5	90	8	1	46	22	24	508	0.27	0.01	0.59	0.14	0.01	0.09	5	10	12883	
Homerun	S9418905	216825	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	119	130	702	3.3	255	334	6	12	95	4.14	18	17	2	2	62	16	1	39	18	24	422	0.20	0.01	0.39	0.18	0.01	0.04	5	10	11507	
Homerun	S9418906	216826	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	92	95	393	2.6	264	409	4	16	74	3.31	10	21	2	8	75	13	1	26	11	17	522	0.24	0.01	0.56	0.09	0.01	0.04	5	10	12113	
Homerun	S9418907	216827	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	75	51	474	2.1	150	644	4	12	68	3.00	14	29	2	4	5	78	5	1	31	14	17	406	0.62	0.01	0.97	0.29	0.01	0.04	5	10	8834
Homerun	S9418908	216828	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	168	173	1294	2.9	358	839	12	15	162	5.12	37	18	5	11	109	9	1	48	24	21	808	0.11	0.01	0.32	0.32	0.01	0.04	22	10	16989	
Homerun	S9418909	216829	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	57	22	179	1.1	151	306	1	21	40	3.61	3	23	2	2	41	11	1	23	10	18	572	0.62	0.01	0.83	0.17	0.01	0.07	5	10	5949	
Homerun	S9418910	216830	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	118	68	416	1.5	87	387	3	12	71	3.77	15	15	2	2	54	7	1	33	17	29	448	0.35	0.01	0.77	0.10	0.01	0.09	5	10	9506	
Homerun	S9418911	216831	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	102	96	236	1.2																											

Homerun	S9419019	243192	** 1 2 ** YB	32 1 1 20	3 C	** 194	23	317	1.4	159	363	1	9	77	4.85	13	17	2	2	36	2	1	50	8	23	190	0.01	0.01	0.26	0.01	0.01	0.10	10	10	11575
Homerun	S9419020	243193	** 1 5 ** YB	52 1 1 15	2 B	** 286	237	445	2.9	61	306	4	29	108	4.95	10	15	6	2	24	3	1	39	21	30	820	0.08	0.01	0.42	0.01	0.01	0.08	12	10	11823
Homerun	S9419021	243194	** 1 2 ** Y	23 1 1 20	2 B	** 105	56	180	4.0	96	397	1	3	36	3.48	19	17	5	2	43	1	1	82	6	10	100	0.03	0.01	0.38	0.04	0.01	0.10	5	10	12213
Homerun	S9419022	243195	** 1 3 ** 2G	23 1 1 20	2 C	** 103	103	163	7.2	144	680	1	1	26	3.05	39	22	2	2	92	2	1	159	8	8	91	0.01	0.01	0.28	0.07	0.01	0.11	5	10	13138
Homerun	S9419023	243196	** 1 2 ** 2B	23 1 1 15	2 C	** 176	80	150	6.0	147	596	1	2	35	3.56	32	31	2	2	101	1	1	120	10	8	148	0.05	0.01	0.56	0.09	0.01	0.10	5	10	10901
Homerun	S9419024	243197	** 1 2 ** YB	23 1 1 30	3 C	** 167	51	315	2.5	62	297	1	6	72	4.93	7	42	2	2	36	2	1	34	8	22	411	0.57	0.01	1.22	0.07	0.02	0.10	20	10	6953
Homerun	S9419025	243198	** 1 5 ** YB	23 1 1 15	3 B	** 161	24	272	1.6	54	297	1	6	66	3.13	8	19	2	2	33	1	1	29	8	14	152	0.12	0.01	0.58	0.04	0.01	0.06	5	10	8169
Homerun	S9419026	243199	** 1 5 ** 2B	23 1 1 35	3 B	** 75	13	239	1.4	38	223	2	7	42	2.67	6	18	2	2	21	1	1	37	5	14	339	0.30	0.01	0.83	0.08	0.02	0.08	5	10	6297
Homerun	S9419027	243200	** 1 2 ** YB	23 1 1 15	2 B	** 95	50	362	1.1	29	288	4	15	80	3.41	7	10	2	2	22	1	1	30	11	25	543	0.06	0.01	0.34	0.06	0.01	0.09	5	10	9784
Homerun	S9419028	243216	** 1 5 ** YB	23 1 1 20	2 B	** 36	238	264	1.5	53	421	2	7	22	2.97	1	9	2	2	34	1	1	23	18	21	477	0.07	0.01	0.43	0.16	0.01	0.04	5	10	8476
Homerun	S9419029	243219	** 1 3 ** BY	23 1 1 15	3 C	** 56	67	257	1.4	55	393	2	5	30	2.84	7	8	2	2	23	1	1	83	6	27	129	0.03	0.01	0.27	0.01	0.01	0.18	5	10	13693
Homerun	S9419030	243220	** 1 3 ** BY	23 1 1 15	2 C	** 35	211	161	2.9	26	127	1	4	23	2.28	4	13	2	2	23	1	1	19	4	16	130	0.12	0.01	0.76	0.05	0.01	0.05	5	10	4919
Homerun	S9419031	243221	** 1 3 ** YB	23 1 1 15	3 C	** 30	77	136	0.7	24	128	1	1	18	1.66	1	8	2	2	25	1	1	17	2	18	57	0.01	0.01	0.27	0.01	0.01	0.04	5	10	5525
Homerun	S9419032	243222	** 1 5 ** 2B	23 1 1 20	3 B	** 50	105	309	2.1	20	138	1	4	42	2.18	8	11	2	2	41	1	1	15	4	15	322	0.03	0.01	0.69	0.01	0.01	0.02	5	10	7428
Homerun	S9419033	243223	** 1 5 ** 2B	23 1 1 20	3 B	** 38	73	449	0.8	29	684	3	7	38	2.87	4	30	2	2	30	1	1	33	16	31	315	0.26	0.01	0.80	0.29	0.01	0.07	5	10	8293
Homerun	S9419034	243224	** 1 5 ** 2B	23 1 1 20	3 B	** 44	210	426	1.0	11	970	1	8	11	2.32	5	6	2	2	15	1	1	46	16	39	326	0.14	0.01	0.93	0.55	0.01	0.07	13	10	9124
Homerun	S9419035	243225	** 1 5 ** BY	23 1 1 25	3 B	** 32	73	270	1.1	29	318	1	7	27	2.59	3	14	2	2	28	1	1	34	8	16	353	0.16	0.01	0.78	0.13	0.01	0.08	10	10	7695
Homerun	S9419036	243226	** 1 5 ** YB	23 1 2 25	3 B	** 21	44	335	0.2	14	1119	2	5	20	2.14	3	16	2	2	20	1	1	41	21	45	460	0.19	0.01	0.95	0.44	0.01	0.06	5	10	10730
Homerun	S9419037	243227	** 1 5 ** 2B	32 1 1 20	3 B	** 23	24	98	0.2	15	214	1	2	21	0.90	6	10	2	2	30	1	1	11	3	10	88	0.05	0.01	0.49	0.04	0.02	0.03	5	10	3448
Homerun	S9419038	243228	** 1 5 ** 2B	32 1 1 20	2 B	** 51	149	313	1.8	51	306	1	8	60	2.82	7	27	6	2	65	1	1	15	12	18	576	0.22	0.01	1.04	0.12	0.01	0.03	5	10	4887
Homerun	S9419039	243229	** 1 5 ** 2B	23 1 1 15	2 B	** 97	132	552	3.3	142	251	2	16	111	2.97	9	30	2	2	60	2	1	27	12	18	641	0.26	0.01	0.94	0.20	0.01	0.02	20	10	5168
Homerun	S9419040	243230	** 1 5 ** 3B	23 1 1 20	2 B	** 208	118	784	3.7	55	1572	15	16	176	3.26	23	67	2	2	153	5	1	53	57	58	1135	0.22	0.01	0.79	0.23	0.01	0.04	5	10	12222
Homerun	S9419041	243231	** 1 5 ** 2B	23 1 1 20	3 B	** 164	239	1440	6.0	101	381	9	38	221	4.91	29	63	6	2	154	1	1	42	25	28	1569	1.09	0.01	1.26	0.28	0.01	0.06	18	10	12822
Homerun	S9419042	243232	** 1 5 ** 1B	24 1 1 20	3 B	** 64	126	398	1.1	15	1142	2	11	58	3.16	10	37	2	2	56	1	1	30	19	34	577	0.36	0.01	0.69	0.31	0.01	0.08	5	10	9808
Homerun	S9419043	243233	** 1 5 ** 2B	23 1 1 20	3 B	** 228	100	1700	7.8	70	622	9	14	248	4.33	71	43	10	2	219	4	1	66	47	56	848	0.56	0.01	0.87	0.23	0.01	0.08	5	10	15520
Homerun	S9419044	243234	** 1 5 ** 2B	23 1 1 15	2 B	** 122	47	742	2.6	49	213	6	25	164	7.62	18	40	9	2	99	6	1	16	20	26	947	0.15	0.01	0.53	0.11	0.01	0.04	5	10	7350
Homerun	S9419045	243235	** 1 5 ** 3B	23 1 1 20	3 B	** 199	128	2686	9.3	105	423	17	27	368	4.62	71	109	11	2	325	1	1	34	59	23	958	0.31	0.01	1.01	0.18	0.01	0.03	5	10	7344
Homerun	S9419046	243236	** 1 5 ** 2B	24 1 1 15	3 B	** 121	207	859	2.6	126	413	2	9	127	3.19	30	65	9	2	189	4	1	37	19	19	342	0.50	0.01	1.00	0.12	0.01	0.04	5	10	6281
Homerun	S9419047	243237	** 1 5 ** 2B	23 1 1 15	3 B	** 249	196	1930	5.8	118	896	14	18	248	4.59	35	36	11	2	149	1	1	49	45	37	1049	0.14	0.01	0.72	0.15	0.01	0.05	5	10	13911
Homerun	S9419048	243238	** 1 2 ** RB	23 1 1 10	3 C	** 126	248	785	3.4	140	420	7	10	115	4.34	15	18	2	2	47	3	1	81	16	13	858	0.20	0.01	0.50	0.62	0.01	0.03	5	10	14657
Homerun	S9419049	243239	** 1 5 ** 2B	23 1 1 15	3 B	** 72	110	424	1.6	73	201	1	4	79	2.57	17	15	2	2	56	1	1	30	7	13	118	0.04	0.01	0.53	0.03	0.01	0.03	5	10	7080
Homerun	S9419050	243240	** 1 2 ** 1B	23 1 1 10	3 C	** 143	92	755	1.8	171	533	9	13	111	3.67	21	20	2	2	77	2	1	48	24	27	601	0.28	0.01	0.52	0.29	0.01	0.06	5	10	11464
Homerun	S9419051	243241	** 1 5 ** 2B	23 1 1 30	3 B	** 106	106	658	3.4	104	739	4	7	103	4.01	23	24	2	2	87	3	1	31	13	20	318	0.22	0.01	0.60	0.07	0.01	0.07	5	10	10964
Homerun	S9419052	243242	** 1 5 ** 2B	34 1 1 10	3 B	** 54	32	275	1.0	100	444	2	6	48	2.24	13	16	5	2	54	1	1	23	11	18	303	0.19	0.01	0.59	0.08	0.01	0.04	5	10	8359
Homerun	S9419053	243243	** 1 5 ** RB	23 1 1 15	2 B	** 65	34	244	0.9	71	299	1	10	38	3.24	4	21	2	2	41	2	1	23	8	18	325	0.47	0.01	0.81	0.09	0.01	0.05	5	10	6497
Homerun	S9419054	243244	** 1 5 ** RB	23 1 1 15	2 B	** 66	66	216	1.0	54	247	1	5	45	2.49	11	16	2	2	62	2	1	30	8	23	123	0.21	0.01	0.61	0.05	0.01	0.06	5	10	5781
Homerun	S9419055	243245	** 1 5 ** 2B	23 1 1 15	2 B	** 69	35	139	0.7	38	372	1	5	40	2.71	9	19	2	2	63	1	1	34	8	26	128	0.28	0.01	0.66	0.03	0.01	0.11	5	10	6789
Homerun	S9419056	243246	** 1 5 ** 2B	23 1 1 20	2 B	** 114	70	378	2.0	59	263	1	7	88	2.78	18	24	2	2	91	1	1	33	14	25	188	0.31	0.01	0.63	0.06	0.01	0.06	5	10	6522
Homerun	S9419057	243247	** 1 5 ** 2B	23 1 1 20	2 B	** 83	19	180	0.5	43	340	1	7	57	2.86	17	25	2	2	115	2	1	41	11	27	202	0.38	0.01	0.84	0.10	0.01	0.11	5	10	5253
Homerun	S9419058	243248	** 1 5 ** 2B	23 1 1 20	2 B	** 93	134	551	4.0	114	520	2	6	79	3.84	12	18	17	2	50	1	1	40	8	16	280	0.09	0.01	0.46	0.10	0.01	0.05	5	10	15178
Homerun	S9419059	243249	** 1 5 ** 1B	32 1 1 15	2 B	** 92	259	436	3.7	89	342	1	4	54	3.95	12	9	6	2	30	5	1	68	3	12	137	0.02	0.01	0.20	0.01	0.01	0.06	5	10	19294

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	W/S	FW	P	Cu	Pb	Zn	Ag	As	Ba(lcp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Ball	S9419452	242837	3	1	2	**	1G	24	2	1	20	3	C	**	6	6	28	0.2	9	155	1	1	6	0.60	1	4	2	2	24	1	1	6	1	8	76	0.05	0.01	0.48	1.05	0.01	0.05	5	10	2400
Ball	S9419453	242838	3	1	2	**	2B	23	1	2	40	3	B2	**	24	388	282	0.2	12	386	1	8	25	1.60	2	12	2	2	17	2	1	76	16	9	610	0.35	0.01	0.95	1.05	0.02	0.05	5	10	2035
Ball	S9419454	242839	3	1	2	**	2G	23	2	1	20	2	C	**	1	15	12	0.2	1	70	1	1	1	0.10	1	2	2	2	6	1	1	4	1	10	14	0.02	0.01	0.56	0.03	0.01	0.01	5	10	1581
Ball	S9419455	242840	3	1	2	**	2B	23	1	1	40	3	B2	1	20	6	63	1.0	725	247	2	106	1864	5.49	1	255	2	69	25	4	1	15	3	4	1224	8.15	0.01	0.69	0.18	0.02	0.04	52	10	1431
Ball	S9419456	242841	3	1	2	**	2B	23	1	2	20	3	B2	**	49	5	60	0.2	23	889	1	36	230	4.48	1	84	2	2	98	7	1	26	17	3	812	1.51	0.04	1.71	0.95	0.02	0.36	5	10	1828
Ball	S9419457	242842	3	1	2	**	2B	23	1	1	40	3	B2	1	131	2	84	0.2	27	714	1	35	65	4.93	1	106	2	12	111	7	1	11	7	2	927	2.35	0.21	2.87	0.49	0.02	0.38	5	10	1417
Ball	S9419458	242843	3	1	2	**	2B	23	1	1	30	3	B2	1	31	13	100	0.2	25	137	1	13	28	6.28	1	33	2	2	171	14	1	4	3	7	512	0.14	0.01	0.91	0.02	0.01	0.05	5	10	2731
Ball	S9419459	242844	3	1	2	**	1B	23	1	1	40	3	B2	**	29	2	34	0.2	2	37	1	9	11	2.98	1	14	2	2	172	3	1	4	3	1	204	0.53	0.44	0.96	0.23	0.02	0.02	5	10	442
Ball	S9419460	242845	3	1	2	**	2R	23	1	1	40	3	B2	1	29	2	52	0.2	1	206	1	13	15	5.60	1	16	2	2	173	8	1	8	2	3	289	0.69	0.35	1.81	0.15	0.01	0.03	5	10	1090
Ball	S9419461	242846	3	1	2	**	2B	23	1	2	30	3	B2	**	391	2	58	0.6	3	271	1	23	38	2.40	1	46	2	2	70	2	1	34	33	8	830	1.12	0.09	1.76	2.62	0.02	0.19	5	10	770
Ball	S9419462	242847	3	1	2	**	3B	3	3	2	30	3	B2	**	160	5	56	0.4	209	379	1	100	2166	1.85	1	88	2	7	19	11	1	70	14	6	904	1.49	0.01	0.71	1.98	0.02	0.04	5	10	939
Ball	S9419463	242848	3	1	2	**	1B	4	2	1	30	3	B2	**	53	18	150	0.2	264	429	1	31	427	3.70	4	120	2	2	51	4	1	49	20	33	742	1.90	0.01	1.74	0.85	0.01	0.09	5	10	2438
Ball	S9419464	242849	3	1	2	**	2G	23	1	2	40	3	B2	**	43	2	68	0.2	20	179	1	26	63	3.49	1	90	2	6	130	7	1	43	6	4	1195	2.08	0.18	2.43	1.49	0.03	0.17	5	10	1172
Ball	S9419465	242850	3	1	2	**	3B	4	3	2	30	3	B2	**	85	2	110	0.2	40	319	1	29	81	4.45	2	99	2	2	144	9	1	71	17	13	1023	2.72	0.11	2.67	1.70	0.02	0.10	5	10	1949
Ball	S9419466	242851	3	1	2	**	1G	23	1	2	30	3	B2	**	15	15	97	0.2	21	134	1	10	25	3.51	3	27	2	2	37	5	1	43	13	43	619	1.84	0.01	2.34	0.85	0.02	0.04	5	10	2014
Ball	S9419467	242852	3	1	2	**	3B	4	3	2	40	3	B2	**	69	14	73	0.2	20	540	1	16	69	2.13	1	38	2	2	31	4	1	168	38	28	1001	1.01	0.01	1.29	2.62	0.02	0.03	5	10	1890
Ball	S9419468	242853	3	1	2	**	3B	34	3	2	35	3	B2	**	63	62	62	1.5	14	234	1	7	13	1.59	7	9	2	2	8	3	1	67	99	85	1195	0.19	0.01	1.84	1.14	0.03	0.03	5	10	1366
Ball	S9419469	242854	3	1	2	**	1G	23	3	2	35	3	B2	**	4	2	22	0.2	3	37	1	1	1	0.29	1	2	2	2	3	3	1	8	1	3	32	0.01	0.01	0.21	0.04	0.04	0.03	5	10	1242
Ball	S9419470	242855	3	1	2	**	2B	23	2	2	30	3	B2	**	34	32	163	0.2	30	375	1	6	14	2.41	1	13	5	2	22	1	1	22	29	28	1720	0.28	0.01	1.30	0.23	0.02	0.06	5	10	2520
Ball	S9419471	242856	3	1	2	**	2B	4	2	2	35	3	B2	**	63	27	149	0.4	19	682	1	12	34	2.58	3	28	2	2	36	7	1	101	28	27	558	0.76	0.01	1.18	1.07	0.01	0.12	5	10	3183
Ball	S9419472	242857	3	1	2	**	3B	4	2	2	35	3	B2	**	33	7	45	0.2	10	898	1	7	15	2.27	1	24	2	2	29	3	1	132	34	23	595	0.42	0.01	1.18	2.30	0.02	0.04	5	10	2233
Ball	S9419473	242858	3	1	2	**	3B	24	3	2	45	3	B2	**	22	2	19	0.2	4	253	1	1	2	0.39	1	2	2	2	3	4	1	84	13	8	295	0.12	0.01	0.52	1.55	0.05	0.02	5	10	1332
Ball	S9419474	242859	3	1	2	**	3B	23	2	2	40	3	B2	**	59	8	59	0.2	1	497	1	9	7	2.20	3	10	2	2	26	8	1	142	21	21	1038	0.29	0.01	0.89	2.60	0.02	0.04	5	10	1413
Ball	S9419475	242860	3	1	2	**	2B	23	1	2	40	3	B2	**	53	12	49	0.2	13	550	1	9	15	2.47	1	21	2	2	43	5	1	45	15	20	649	0.54	0.01	1.59	0.71	0.02	0.07	5	10	2093
Ball	S9419476	242861	3	1	2	**	3B	4	3	2	40	3	B1	**	45	10	125	0.2	9	1207	1	12	32	2.29	1	33	2	2	38	2	1	113	10	14	801	1.01	0.01	1.45	2.08	0.02	0.07	5	10	3485
Ball	S9419477	242862	3	1	2	**	2N	23	1	2	40	3	B2	**	35	22	97	0.2	1	2477	1	7	29	1.91	1	19	2	2	30	1	1	38	10	19	277	0.53	0.03	0.76	0.32	0.01	0.13	5	10	6477
Ball	S9419478	242863	3	1	2	**	2G	34	1	2	45	3	B2	**	73	32	209	0.9	22	876	1	8	43	2.26	2	31	5	2	40	3	1	95	26	28	351	0.73	0.01	1.33	0.93	0.01	0.14	5	10	4848
Ball	S9419479	242864	3	1	2	**	2G	23	1	2	35	3	B2	**	56	28	261	0.6	27	2101	1	15	57	2.82	4	34	2	2	48	5	1	71	13	20	797	0.86	0.02	1.46	0.79	0.02	0.19	5	10	5864
Ball	S9419480	242865	3	1	2	**	1B	23	1	1	40	3	B2	**	44	14	116	0.4	44	796	1	20	69	2.71	2	44	2	2	49	4	1	65	8	14	928	0.95	0.02	1.15	0.91	0.02	0.07	5	10	2712
Ball	S9419481	242866	3	1	2	**	2B	23	1	1	40	3	B2	**	27	20	352	0.2	8	1307	2	11	33	2.23	1	45	2	2	38	2	1	29	12	19	470	0.78	0.03	1.07	0.32	0.01	0.10	20	10	3312
Ball	S9419482	242867	3	1	2	**	2G	23	1	1	40	3	B2	**	21	48	137	0.2	9	434	1	17	19	2.71	1	34	2	2	52	4	1	26	5	13	1405	0.94	0.02	1.42	0.30	0.01	0.13	5	10	3325
Ball	S9419483	242868	3	1	2	**	2B	23	1	1	40	3	B2	**	13	79	39	0.9	1	365	1	4	4	1.07	3	8	2	2	13	9	1	24	6	14	224	0.12	0.01	1.25	0.23	0.04	0.04	5	10	1734
Ball	S9419484	242869	3	1	2	**	2Y	23	1	1	25	3	B2	**	31	26	178	0.2	25	1748	1	15	31	2.30	2	21	6	2	36	4	1	32	7	15	751	0.51	0.02	0.83	0.32	0.01	0.13	5	10	5542
Ball	S9419485	242870	3	1	2	**	2B	23	1	1	40	3	B2	**	31	19	141	0.2	20	1366	1	17	29	2.90	2	16	2	2	29	8	1	22	9	13	1321	0.35	0.01	0.86	0.22	0.01	0.06	5	10	6328
Ball	S9419486	242871	3	1	2	**	1B	4	1	1	35	3	B2	**	57	16	173	1.3	17	1126	1	14	50	2.96	2	18	2	2	35	2	1	37	13	15	1689	0.36	0.01	1.27	0.42	0.03	0.11	5	10	4354
Ball	S9419487	242872	3	1	2	**	1B	23	1	1	40	3	B2	**	46	27	147	0.7	13	1091	1	23	37	3.43	2	18	6	2	32	4	1	21	9	13	1355	0.35	0.01	0.91	0.18	0.01	0.08	5	10	5047
Ball	S9419488	242873	3	1	2	**	2B	23	1	2	40	3	B2	**	34	14	110	0.6	14	406	1	14	23	2.50	2	11	2	2	19															

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(cp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Fly	S9418346	242054	6	1	3	2	B2	24	2	1	20	4	B1	**	74	60	92	0.7	112	83	1	4	21	2.84	2	14	2	2	16	1	1	12	4	14	176	0.07	0.01	0.56	0.02	0.01	0.06	5	10	4116
Fly	S9418347	242055	6	1	3	2	BG	24	2	1	20	4	B1	**	68	54	84	0.6	60	98	1	4	19	2.88	1	9	5	2	15	2	1	18	4	18	131	0.09	0.01	0.54	0.03	0.01	0.08	5	10	4102
Fly	S9418348	242056	6	1	3	2	B2	23	1	1	20	4	B1	**	37	25	84	1.0	39	61	1	3	16	2.22	4	13	7	2	15	6	1	8	3	13	129	0.16	0.01	0.54	0.03	0.01	0.05	5	10	3175
Fly	S9418349	242057	6	1	3	**	B2	23	1	1	10	4	B1	**	49	16	65	0.8	64	88	1	2	20	2.84	3	18	5	6	18	3	1	10	4	10	122	0.21	0.01	0.62	0.06	0.01	0.07	5	10	3228
Fly	S9418350	242058	6	1	3	2	B2	24	1	1	10	4	B1	**	34	47	54	0.6	48	70	1	1	10	2.65	1	15	2	2	24	6	1	7	2	9	105	0.08	0.01	0.58	0.02	0.01	0.06	5	10	2749
Fly	S9418351	242059	6	1	3	2	B2	24	1	**	15	4	B1	**	25	38	51	0.9	24	63	1	4	13	2.37	1	21	2	2	24	1	1	7	3	9	265	0.22	0.01	1.05	0.03	0.01	0.06	5	10	2442
Fly	S9418352	242060	6	1	3	2	B2	12	2	1	10	4	B1	**	25	17	77	0.5	17	59	1	6	20	1.69	1	15	2	6	20	1	1	9	5	9	231	0.26	0.02	0.83	0.13	0.01	0.04	5	10	1592
Fly	S9418353	242061	6	1	3	2	B2	23	1	1	15	4	B1	**	24	14	27	0.8	35	96	1	1	5	1.88	1	4	2	2	9	1	1	8	1	6	40	0.03	0.01	0.21	0.01	0.01	0.10	5	10	2940
Fly	S9418354	242062	6	1	3	2	B2	14	1	1	15	4	B1	**	29	72	42	0.8	21	77	1	2	8	1.93	1	9	2	2	13	1	1	10	3	9	121	0.11	0.01	0.72	0.03	0.01	0.04	5	10	3930
Fly	S9418355	242063	6	1	3	2	B2	13	1	1	15	4	B1	**	65	17	38	0.9	29	95	1	1	14	2.74	3	5	5	2	11	1	1	7	1	7	36	0.01	0.01	0.15	0.01	0.01	0.08	5	10	4670
Fly	S9418356	242064	6	1	3	2	B2	13	2	1	10	4	B1	**	42	41	157	1.0	63	155	1	7	34	2.44	2	12	2	2	20	1	1	26	4	9	302	0.24	0.01	0.66	0.13	0.01	0.05	5	10	7266
Fly	S9418357	242065	6	1	3	2	B2	14	1	1	20	4	B1	**	43	32	134	1.2	70	141	1	6	33	2.37	2	10	2	2	21	1	1	19	3	9	133	0.16	0.01	0.61	0.06	0.01	0.06	5	10	6082
Fly	S9418358	242066	6	1	3	2	B2	14	1	1	10	4	B1	**	24	29	78	1.1	32	109	1	2	17	1.26	1	5	2	2	20	1	1	15	2	9	43	0.03	0.01	0.46	0.01	0.01	0.05	5	10	7481
Fly	S9418359	242067	6	1	3	2	B2	14	1	1	20	-1	B1	**	47	28	141	1.0	30	105	1	8	41	3.35	1	24	5	5	22	2	1	11	2	8	317	0.08	0.01	0.45	0.02	0.01	0.06	5	10	7189
Fly	S9418360	242068	6	1	3	2	B2	13	1	1	15	4	B1	**	34	14	79	0.2	17	94	1	3	18	1.56	1	8	2	2	32	1	1	6	1	12	112	0.03	0.01	0.49	0.04	0.01	0.03	5	10	4299
Fly	S9418361	242069	6	1	3	2	B2	13	1	1	20	4	B1	**	42	24	79	0.9	125	73	1	3	29	2.15	3	14	2	2	33	1	1	8	2	12	109	0.07	0.01	0.60	0.01	0.01	0.03	5	10	3689
Fly	S9418362	242070	6	1	3	2	B2	13	1	1	20	4	B1	**	44	28	90	0.9	185	128	1	6	42	3.24	2	35	2	2	65	1	1	13	3	11	318	0.32	0.14	0.90	0.06	0.01	0.06	5	10	3432
Fly	S9418363	242071	6	1	3	2	B2	13	1	1	20	4	B1	**	49	34	84	0.8	69	168	1	4	27	2.74	2	18	2	8	46	1	1	15	3	15	454	0.11	0.04	0.58	0.04	0.01	0.06	5	10	3554
Fly	S9418364	242072	6	1	3	2	B2	14	2	1	25	4	B1	**	50	32	138	0.7	58	181	1	13	33	2.88	2	19	2	2	50	1	1	19	3	12	769	0.22	0.08	0.54	0.13	0.01	0.10	5	10	3659
Fly	S9418365	242073	6	1	3	1	BR	13	1	1	10	4	B1	**	65	43	112	0.8	104	130	1	17	58	4.31	1	45	2	2	45	1	1	16	5	12	889	0.57	0.07	1.22	0.10	0.01	0.09	5	10	3737
Fly	S9418380	242088	6	1	3	2	B2	34	2	1	30	1	B	**	39	24	83	1.1	49	154	1	5	25	2.54	4	21	2	2	33	3	1	10	4	10	223	0.22	0.01	0.90	0.04	0.01	0.04	5	10	3813
Fly	S9418381	242089	6	1	3	2	B2	13	1	1	20	2	B	**	38	30	86	0.6	75	107	1	5	35	2.71	1	22	2	2	72	2	1	7	3	11	171	0.12	0.01	0.93	0.01	0.01	0.02	5	10	3491
Fly	S9418382	242090	6	1	3	2	B2	13	3	1	25	2	B	**	61	35	111	1.4	92	140	1	6	38	3.37	2	25	2	2	40	1	1	12	4	10	217	0.23	0.01	0.81	0.03	0.02	0.11	5	10	4851
Fly	S9418383	242091	6	1	3	2	B2	12	2	1	25	2	B	**	29	18	62	0.9	36	126	1	3	18	1.86	1	16	2	2	30	1	1	8	3	13	167	0.15	0.01	0.82	0.04	0.01	0.03	5	10	3766
Fly	S9418384	242092	6	1	3	2	B2	3	3	1	20	2	B	**	45	35	96	0.5	84	110	1	5	37	3.10	4	25	2	2	63	1	1	9	3	10	194	0.17	0.01	0.96	0.02	0.01	0.03	5	10	3901
Fly	S9418385	242093	6	1	3	2	B2	3	2	**	20	2	B	**	70	27	141	1.0	78	163	1	8	41	2.79	3	27	2	5	31	1	1	13	7	13	307	0.28	0.01	0.87	0.04	0.01	0.04	5	10	4403
Fly	S9418386	242094	6	2	2	**	B2	23	1	1	25	3	B	**	31	22	77	0.5	65	95	1	4	34	2.52	1	21	2	2	71	1	1	6	2	11	169	0.11	0.01	0.94	0.01	0.01	0.02	5	10	3039
Fly	S9419060	243250	**	1	5	**	B2	23	1	1	20	2	B	**	52	47	300	0.6	58	462	2	5	50	2.54	16	19	2	2	90	1	1	24	10	15	292	0.08	0.01	0.73	0.04	0.01	0.06	5	10	6373
Fly	S9419061	243251	**	1	5	**	B2	23	1	1	20	2	B	**	68	40	335	1.3	66	208	2	53	63	3.75	16	7	8	2	16	1	1	24	5	12	3095	0.01	0.01	0.29	0.01	0.01	0.03	5	10	11628
Fly	S9419062	243252	**	1	5	**	RB	23	1	1	10	2	B	**	106	32	675	0.9	49	205	2	21	121	5.40	21	6	2	2	13	6	1	36	4	13	883	0.01	0.01	0.28	0.01	0.01	0.05	5	10	12173
Fly	S9419063	243253	**	1	5	**	RB	23	1	1	20	2	B	**	45	15	122	0.5	23	370	1	3	28	1.70	6	15	2	2	38	1	1	13	5	14	88	0.19	0.01	0.72	0.01	0.02	0.04	5	10	4439
Fly	S9419064	243254	**	1	5	**	RB	23	1	1	20	3	B	**	105	22	283	1.1	55	319	1	15	68	4.11	10	39	2	2	43	4	1	27	6	21	396	0.90	0.01	1.43	0.04	0.01	0.08	5	10	6296
Fly	S9419065	243255	**	1	5	**	YB	23	1	1	20	3	B	**	58	19	187	0.7	50	461	1	5	43	3.58	9	35	2	2	45	1	1	23	5	16	176	0.58	0.01	1.20	0.03	0.01	0.08	5	10	5748
Fly	S9419066	243256	**	1	5	**	YB	23	1	1	20	3	B	**	120	84	337	1.9	53	626	1	13	78	4.06	12	38	2	2	63	1	1	38	10	23	449	0.57	0.01	1.36	0.06	0.01	0.11	5	10	8789
Fly	S9419067	243257	**	1	5	**	RB	23	1	1	35	3	B	**	117	15	1018	1.1	28	187	4	38	200	5.38	10	57	2	2	32	4	1	40	16	22	1357	1.58	0.01	2.23	0.37	0.01	0.03	5	10	11907
Fly	S9419068	243258	**	1	5	**	B2	23	1	1	30	2	B	**	121	55	363	2.0	54	442	1	17	87	4.17	14	42	2	2	87	7	1	34	10	19	554	0.57	0.01	1.35	0.09	0.01	0.07	5	10	8257
Fly	S9419069	243259	**	1	5	**	B2	23	1	1	30	3	B	**	127	70	474	1.9	67	655	2	7	84	4.25	21	37	2	2	87	3	1	45	10	15	372	0.52	0.01	1.35	0.2					

Fly	S9419097	243287	** 1 2 ** RB	23 1 1	20	3 B	**	103	165	155	1.2	144	73	1	3	20	6.58	3	21	2	2	30	1	1	10	3	12	231	0.30	0.01	0.80	0.02	0.01	0.05	5	10	5391
Fly	S9419098	243288	** 1 2 ** RY	23 1 1	15	3 C	**	88	84	109	0.9	105	76	1	4	18	3.88	2	12	2	2	19	1	1	8	2	14	256	0.11	0.01	0.68	0.02	0.01	0.03	5	10	5413
Fly	S9419099	243289	** 1 2 ** YB	23 1 1	10	3 C	**	60	126	133	1.4	112	82	1	2	13	6.13	1	14	6	2	19	13	1	9	2	11	113	0.12	0.01	0.54	0.01	0.01	0.04	5	10	4881
Fly	S9419100	243290	** 1 2 ** 2B	23 1 1	10	3 C	**	159	115	283	0.4	216	127	1	23	66	6.71	12	19	2	2	29	7	1	9	9	15	897	0.16	0.01	0.52	0.01	0.01	0.06	5	10	4816
Fly	S9419101	243291	** 1 2 ** YB	23 1 1	20	3 B	**	125	129	220	1.1	193	193	1	10	72	6.74	10	34	2	2	45	11	1	14	6	16	538	0.38	0.01	0.87	0.03	0.01	0.06	40	10	5818
Fly	S9419102	243292	** 1 2 ** 2B	23 1 1	15	3 B	**	185	74	230	1.0	128	225	1	17	59	5.68	8	13	2	2	32	5	1	37	12	13	789	0.08	0.01	0.46	0.27	0.01	0.05	12	10	5643
Fly	S9419103	243293	** 1 2 ** 2B	23 1 1	20	3 B	**	79	45	141	1.5	408	182	1	11	54	5.87	6	30	2	2	51	1	1	22	7	12	673	0.53	0.01	1.20	0.10	0.01	0.06	35	10	4928
Fly	S9419104	243294	** 1 5 ** RB	23 1 1	15	3 B	**	77	45	140	1.1	341	153	1	8	41	4.72	8	20	2	2	55	1	1	17	5	13	508	0.28	0.01	1.00	0.05	0.01	0.04	20	10	3518
Fly	S9419105	243295	** 1 5 ** RB	23 1 1	20	3 B	**	76	68	146	1.0	308	256	1	8	42	3.85	5	19	2	5	48	4	1	19	10	15	597	0.13	0.01	0.77	0.03	0.01	0.07	21	10	4119
Fly	S9419106	243296	** 1 5 ** YB	23 1 1	25	3 B	**	81	40	342	1.9	410	441	2	18	105	4.77	12	24	5	2	92	1	1	27	8	15	308	0.05	0.01	0.74	0.01	0.01	0.08	35	10	7185
Fly	S9419107	243297	** 1 5 ** RB	23 1 1	25	3 B	**	129	42	197	1.0	208	282	3	35	94	4.45	7	30	2	9	32	1	1	45	13	15	2486	0.46	0.04	0.92	0.34	0.01	0.07	30	10	5098
Fly	S9419108	243298	** 1 5 ** YB	23 1 1	35	3 B	**	70	105	127	1.4	115	136	1	4	23	4.84	3	15	2	2	43	3	1	13	3	10	157	0.04	0.01	0.55	0.01	0.01	0.05	5	10	4595
Fly	S9419109	243299	** 1 5 ** YB	23 1 1	20	3 B	**	93	49	149	1.3	96	308	1	13	58	4.29	12	25	2	2	50	6	1	25	12	24	673	0.37	0.01	1.06	0.15	0.01	0.06	5	10	8359
Fly	S9419110	243300	** 1 5 ** 2B	23 1 1	15	3 B	**	97	46	166	1.8	104	195	1	12	59	3.24	4	13	2	8	24	6	1	30	8	9	1364	0.15	0.01	0.44	0.16	0.01	0.05	5	10	5031
Fly	S9419111	243301	** 1 5 ** 2B	23 1 1	15	3 B	**	87	60	148	2.6	101	171	1	16	47	3.14	3	9	6	2	14	2	1	21	7	7	2243	0.13	0.01	0.39	0.07	0.01	0.04	5	10	5565
Fly	S9419112	243302	** 1 5 ** 2B	23 1 1	15	3 B	**	83	27	125	1.2	95	171	1	12	45	3.27	4	12	2	2	21	1	1	36	6	8	720	0.13	0.01	0.45	0.08	0.01	0.04	5	10	5896
Fly	S9419113	243303	** 1 5 ** 2B	23 1 1	15	3 B	**	106	24	150	1.2	82	189	1	18	59	4.08	4	11	2	2	18	1	1	37	5	7	1340	0.10	0.01	0.49	0.02	0.01	0.05	5	10	6481
Fly	S9419114	243304	** 1 5 ** RB	24 1 1	30	3 B	**	94	33	197	0.6	58	365	1	47	127	6.65	3	113	2	2	79	10	1	36	17	22	2620	1.66	0.13	2.38	0.29	0.01	0.08	5	10	4438
Fly	S9419115	243305	** 1 2 ** RB	23 1 1	20	3 B	**	86	35	161	1.7	577	231	4	21	82	4.97	9	39	2	2	52	1	1	52	8	10	1365	0.20	0.03	0.70	0.08	0.01	0.10	62	10	7397
Fly	S9419826	242095	2 1 2 ** 2B	23 1 2	20	3 B2	**	14	18	24	0.5	5	82	1	1	2	0.53	2	6	2	2	27	1	1	6	2	10	21	0.03	0.01	0.84	0.02	0.01	0.01	5	10	1335
Fly	S9421623	R94443	2					226	55	1274	3.7	102	927	14	17	179	4.12	19	25	2	2	71	1	1	44	30	26	519	0.43	0.01	0.85	0.34	0.01	0.08	5	10	9200
Fly	S9421624	R94444	2					259	91	1507	3.2	198	1375	15	27	230	4.36	26	25	5	2	98	1	1	57	43	33	861	0.49	0.01	0.91	0.57	0.01	0.06	15	10	9037
Fly	S9421625	R94464	2					86	20	283	0.9	75	996	3	14	69	2.85	5	23	2	2	39	1	1	41	14	17	485	0.42	0.02	0.80	0.26	0.01	0.08	5	10	6729
Fly	S9421626	R94484	2					112	66	378	0.5	74	119	2	14	43	4.64	7	12	2	6	17	3	1	10	33	16	554	0.18	0.01	5.60	0.08	0.01	0.01	5	10	3363
Fly	S9421627	R94485	2					77	28	873	1.2	59	448	11	11	86	3.06	5	13	2	2	23	1	1	32	11	7	597	0.22	0.01	0.47	0.28	0.01	0.02	5	10	4529

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(top)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)	
Bat	S9419493	242878	3	1	2	**	2B	23	1	1	40	4	B2	**	32	18	69	0.2	11	83	1	3	20	2.59	1	12	2	2	25	6	1	8	4	15	209	0.23	0.01	0.86	0.05	0.01	0.09	5	10	1833
Bat	S9419494	242879	3	1	2	**	2B	23	1	1	30	4	B2	**	28	15	62	0.2	9	127	1	5	18	2.52	1	9	2	2	37	3	1	8	1	7	245	0.04	0.01	0.49	0.04	0.01	0.03	5	10	1835
Bat	S9419495	242880	3	1	2	**	1B	23	1	1	30	4	B2	**	24	12	38	0.2	9	76	1	2	10	1.62	1	7	2	2	28	1	1	8	1	6	147	0.06	0.01	0.39	0.02	0.01	0.03	5	10	1824
Bat	S9419496	242881	3	1	2	**	1Y	23	1	1	40	4	B2	**	41	21	61	0.2	14	132	1	7	21	2.32	1	18	2	2	25	2	1	10	6	18	462	0.43	0.02	1.04	0.05	0.01	0.08	5	10	1871
Bat	S9419497	242882	3	1	2	**	2Y	23	1	1	40	4	B2	**	47	24	60	0.2	21	157	1	8	24	2.79	1	18	2	2	27	2	1	11	4	11	429	0.54	0.01	1.10	0.08	0.01	0.08	5	10	2142
Bat	S9419498	242883	3	1	2	**	2B	23	1	1	40	4	B2	**	20	9	39	0.2	3	58	1	2	10	1.33	1	5	2	2	20	1	1	7	1	8	145	0.05	0.01	0.45	0.01	0.01	0.03	5	10	1563
Bat	S9419499	242884	3	1	2	**	1B	23	1	1	20	4	B2	**	15	6	44	0.2	1	53	1	2	10	1.28	1	7	2	2	24	1	1	6	1	9	141	0.07	0.01	0.39	0.02	0.01	0.03	5	10	1310
Bat	S9419500	242885	3	1	2	**	2B	23	1	1	20	4	B2	**	13	7	34	0.2	1	75	1	1	7	0.90	1	2	2	2	15	1	1	7	1	7	98	0.02	0.01	0.33	0.02	0.02	0.03	5	10	1575
Bat	S9419501	242886	3	1	2	**	1Y	23	1	1	40	4	B2	**	29	15	44	0.2	13	54	1	3	13	1.85	1	5	2	2	22	2	1	9	2	7	149	0.06	0.01	0.38	0.01	0.01	0.03	5	10	1908
Bat	S9419502	242887	3	1	2	**	2Y	3	1	1	30	4	B2	**	10	14	46	0.2	4	144	1	3	11	1.72	1	11	2	2	23	1	1	8	2	8	341	0.24	0.01	0.66	0.05	0.01	0.05	5	10	1792
Bat	S9419503	242888	3	1	2	**	2Y	3	1	1	40	4	B2	**	13	12	39	0.2	6	131	1	3	7	1.52	1	7	2	2	22	4	1	5	1	8	314	0.13	0.01	0.65	0.02	0.01	0.04	5	10	1825
Bat	S9419504	242889	3	1	2	**	1Y	3	1	1	40	4	B2	**	25	20	58	0.2	20	133	1	5	18	2.53	2	13	2	2	28	2	1	10	2	9	290	0.32	0.01	0.73	0.05	0.01	0.05	5	10	1948
Bat	S9419505	242890	3	1	2	**	1Y	3	1	1	30	4	B2	**	23	19	42	0.2	13	79	1	3	12	1.84	3	9	2	2	29	9	1	6	2	8	175	0.20	0.01	0.63	0.02	0.01	0.04	5	10	1663
Bat	S9419506	242891	3	1	2	**	1Y	3	1	1	30	4	B2	**	23	23	55	0.2	5	208	1	5	15	2.88	1	17	2	2	40	11	1	8	4	17	332	0.54	0.02	1.26	0.05	0.01	0.07	5	10	1722
Bat	S9419507	242892	3	1	2	**	1Y	3	1	1	40	4	B2	**	18	33	79	0.2	19	126	1	6	18	3.79	1	22	2	2	37	8	1	7	2	8	492	0.58	0.01	1.29	0.03	0.01	0.07	5	10	2074
Bat	S9419508	242893	3	1	2	**	1Y	3	1	1	20	4	B2	**	21	23	70	0.2	21	159	1	6	20	3.33	2	23	6	2	36	5	1	16	2	10	358	0.54	0.01	1.13	0.08	0.01	0.07	5	10	2119
Bat	S9419509	242894	3	1	2	**	1Y	23	1	1	40	3	B2	**	10	13	42	0.2	22	101	1	3	10	2.19	1	11	6	6	27	1	1	9	1	6	256	0.29	0.01	0.58	0.09	0.01	0.05	5	10	1433
Bat	S9419510	242895	3	1	2	**	1Y	3	1	1	20	3	C	**	14	25	49	0.4	11	140	1	8	12	1.81	2	13	2	2	25	3	1	9	2	10	514	0.29	0.01	0.67	0.05	0.01	0.04	5	10	1905
Bat	S9419511	242896	3	1	2	**	1R	3	1	1	40	3	B2	**	12	22	72	0.2	8	167	1	4	9	1.97	2	9	6	2	28	3	1	13	1	8	235	0.25	0.01	0.70	0.09	0.01	0.06	5	10	1894
Bat	S9419512	242897	3	1	2	**	2B	3	1	1	40	3	B2	**	16	22	77	0.4	25	198	1	7	18	2.58	1	20	6	2	38	1	1	20	1	6	525	0.42	0.03	0.72	0.11	0.01	0.08	5	10	1762
Bat	S9419513	242898	3	1	2	**	2Y	23	1	1	20	4	B2	**	11	22	48	0.2	3	203	1	7	7	1.23	1	7	2	2	15	1	1	13	1	6	440	0.17	0.01	0.55	0.09	0.02	0.07	5	10	1735
Bat	S9419514	242899	3	1	2	**	1B	23	2	1	40	3	B2	**	8	11	65	0.2	12	194	1	4	16	2.00	1	24	2	5	42	1	1	12	1	6	499	0.36	0.02	0.93	0.10	0.01	0.03	5	10	1170
Bat	S9419515	242900	3	1	2	**	2B	4	3	1	30	4	B2	**	49	17	183	0.2	5	579	6	16	14	1.22	1	5	2	2	15	2	1	31	3	6	6940	0.04	0.01	0.61	0.21	0.02	0.03	5	10	2036
Bat	S9419516	242901	3	1	2	**	2R	23	1	1	40	4	B2	**	15	30	85	0.4	12	187	1	4	10	2.32	1	7	2	2	26	6	1	9	1	5	420	0.11	0.01	0.64	0.02	0.01	0.04	5	10	1586
Bat	S9419517	242902	3	1	2	**	1R	23	1	1	30	4	B2	**	24	29	103	0.2	9	344	1	7	16	2.97	3	10	12	2	34	1	1	16	1	5	290	0.13	0.01	0.82	0.07	0.01	0.06	5	10	1781
Bat	S9419518	242903	3	1	2	**	1R	23	3	1	10	4	B2	**	10	24	58	0.2	12	217	1	4	8	1.34	1	7	2	2	26	1	1	8	1	6	240	0.05	0.01	0.66	0.02	0.01	0.03	5	10	1806
Bat	S9419519	242904	3	1	2	**	1B	23	1	1	40	4	B2	**	28	45	46	0.2	31	124	1	4	11	2.28	1	6	6	2	20	1	1	25	1	5	291	0.17	0.01	0.50	0.08	0.01	0.05	5	10	2479
Bat	S9419520	242905	3	1	2	**	2Y	23	1	1	40	4	B2	**	56	59	68	0.5	43	398	1	11	35	4.19	1	28	2	2	39	11	1	36	4	9	791	0.42	0.01	0.83	0.19	0.01	0.07	5	10	3053
Bat	S9419521	242906	3	1	2	**	1R	23	1	1	40	4	B2	**	27	73	71	0.2	30	298	1	6	18	3.87	1	15	6	2	34	1	1	24	1	4	410	0.18	0.01	0.52	0.03	0.01	0.05	5	10	2770
Bat	S9419522	242907	3	1	3	**	1R	23	1	1	15	4	B2	**	20	83	130	0.4	31	279	1	7	9	2.86	1	6	5	2	18	7	1	12	1	3	970	0.03	0.01	0.41	0.04	0.01	0.02	5	10	2076
Bat	S9419523	242908	3	1	2	**	2R	23	1	1	40	4	B2	**	19	20	51	0.2	16	180	1	4	13	2.32	1	5	2	2	28	1	1	11	1	5	183	0.04	0.01	0.44	0.03	0.01	0.03	5	10	1707
Bat	S9419524	242909	3	1	3	**	2R	23	1	1	40	4	B2	**	15	34	62	0.2	44	256	1	4	9	1.96	1	4	6	2	15	4	1	10	1	4	278	0.04	0.01	0.37	0.03	0.01	0.05	5	10	2898
Bat	S9419525	242910	3	1	2	**	2R	23	1	1	40	4	B2	**	21	26	76	0.2	25	162	1	4	15	2.80	1	9	5	2	30	12	1	10	1	6	270	0.14	0.01	0.63	0.05	0.01	0.05	5	10	2249
Bat	S9419526	242911	3	1	2	**	1B	23	1	1	20	4	B2	**	24	18	56	0.2	18	314	1	6	13	2.15	1	5	7	2	22	1	1	12	1	6	690	0.05	0.01	0.38	0.06	0.01	0.05	5	10	2567
Bat	S9419527	242912	3	1	2	**	1B	23	1	1	20	4	B2	**	26	23	47	0.2	37	86	1	3	9	2.49	1	6	5	2	27	1	1	12	1	5	228	0.06	0.01	0.32	0.06	0.01	0.05	5	10	1968
Bat	S9419528	242913	3	1	2	**	1B	23	1	1	30	4	B2	**	34	15	72	0.2	22	118	1	5	18	2.16	4	2	2	2	9	6	1	12	1	6	525	0.03	0.01	0.22	0.01	0.01	0.03	5	10	3379
Bat	S9419529	242914	3	1	3	**	3B	45	3	1	20	4	B2	**	50	20	91	0.2	3	460	2	16	28	2.16	1	2	2	2	8	6	1	95	4	4	3947	0.29	0.01	0.72	0.92	0.02	0.07	5	10	2093
Bat	S9419530	242915</																																										

APPENDIX 3

STATEMENTS OF EXPENDITURES

POP PROPERTY

STAFF COSTS	1,288
DOMICILE	491
LINECUTTING	4,500
HELICOPTER	4,320
GEOPHYSICS	3,377
HELICOPTER	3,312
GEOCHEMISTRY	1,928
HELICOPTER	3,888
COMMUNICATIONS	84
TRUCK RENTAL	176
FREIGHT	546
EXPEDITING	110
DRAFTING/REPRODUCTIONS	528
TOTAL	17,728

BASE PROPERTY

STAFF COSTS	1,034
DOMICILE	327
GEOCHEMISTRY	867
HELICOPTER	2,232
COMMUNICATIONS	36
TRUCK RENTAL	76
FREIGHT	236
EXPEDITING	48
DRAFTING/REPRODUCTIONS	228
TOTAL	5,084

HOME PROPERTY

STAFF COSTS	342
DOMICILE	109
GEOCHEMISTRY	595
HELICOPTER	864
COMMUNICATIONS	25
TRUCK RENTAL	52
FREIGHT	161
EXPEDITING	32
DRAFTING/REPRODUCTIONS	156
TOTAL	2,336

RUN PROPERTY

STAFF COSTS	1,690
DOMICILE	436
GEOCHEMISTRY	703
HELICOPTER	1,224
COMMUNICATIONS	27
TRUCK RENTAL	56
FREIGHT	174
EXPEDITING	35
DRAFTING/REPRODUCTIONS	168
TOTAL	4,513

BALL PROPERTY

STAFF COSTS	346
DOMICILE	109
GEOCHEMISTRY	289
HELICOPTER	360
COMMUNICATIONS	11
TRUCK RENTAL	24
FREIGHT	74
EXPEDITING	15
DRAFTING/REPRODUCTIONS	72
TOTAL	1,300

FLY PROPERTY

STAFF COSTS	1,605
DOMICILE	545
GEOCHEMISTRY	650
HELICOPTER	1,872
COMMUNICATIONS	27
TRUCK RENTAL	56
FREIGHT	174
EXPEDITING	35
DRAFTING/REPRODUCTIONS	168
TOTAL	5,132

BAT PROPERTY

STAFF COSTS	346
DOMICILE	109
GEOCHEMISTRY	323
HELICOPTER	360
COMMUNICATIONS	13
TRUCK RENTAL	28
FREIGHT	87
EXPEDITING	18
DRAFTING/REPRODUCTIONS	84
TOTAL	1,368

APPENDIX 4

GEOPHYSICAL TARGET EVALUATION & FIGURES

PELLY MTN - GEOPHYSICAL TARGET EVALUATION

TARGET NAME: GP7E NTS: 105G/1

CLAIMS: POP

GEOLOGY:

The area has poor exposure, with outcrops restricted to ridges and hill slopes. The stratigraphy trends NE with shallow to moderate NW dips and comprises mixed felsic metavolcanics and metasediments. The southern part of the property, and south of the geophysical grid, is a felsic metavolcaniclastic sequence comprising locally pyritic quartz-feldspar-sericite-chlorite schists and phyllitic schists, underlain by locally rusty carbonaceous mudstones. In the northern part of the property are massive quartz-sericite-feldspar-chlorite schists and phyllitic schists containing 2-10% fine disseminated pyrite. Two occurrences of fracture and vein filling and skarn(?) Zn-Pb-Cu-Ag mineralization were found at the Berdahl showing, and grab samples returned up to 7.8% Pb, 3.1% Zn and 83 g/t Ag.

GEOPHYSICS:

<u>SURVEY</u>	<u>KMS</u>	<u>DATES</u>
HLEM	4.9	Aug. 3
MAGNETICS	5.2	Aug. 3
GRAVITY	1.5	Aug. 10

Two conductive trends extend across much of the grid area, 350 m apart in the west and gradually converging to the east, coming to within 150 m on the easternmost line. The conductors are shallow (<5-15m) and have δt_s of 20-25 S. The magnetic responses are quite complex, with local peaks of 100-300 nT above background, though some broad areas of elevated magnetics also occur. The magnetic features are not directly coincident with HLEM conductors, but flank to the north. A gravity test along L-600E and produced a broad mound-shaped gravity profile. It appears that the northern conductor occurs along the northern margin of a gravity low, whereas the southern conductor is situated immediately south of the gravity low. The gravity low coincides with the valley bottom and may represent the response to an overburden filled trough.

CONCLUSIONS:

Complex HLEM and magnetics and inconclusive gravity makes interpretation difficult, though appears that no positive gravity response associated with the conductors.

RECOMMENDATIONS:

No work recommended at this time.

EQUIPMENT AND PROCEDURES

a) MAGNETICS

The magnetics survey was carried out with the EDA OMNI PLUS system. Total field measurements were recorded, utilizing the same grid lines as the UTEM survey, though a denser station spacing of 12.5 m was used. Data is recorded and stored within the magnetometer's internal memory, and dumped to a computer in the evenings. A base station magnetometer was set up in camp and set to record at 15 second intervals throughout the day.

The base station and field units were linked and dumped to the computer simultaneously at the end of the day. Computer processing of the data allows diurnal magnetic variations to be removed from the field data. Reading accuracies of ± 5 nT were attained for the magnetics survey.

b) HORIZONTAL LOOP EM

The HLEM portion of the survey utilized the MaxMin I system with the MMC data logger, produced by Apex Parametrics Ltd. Grid lines were routinely surveyed with a 100 m coil spacing, though 50 m and 25 m coil spacings were also utilized on selected lines over the ABM Zone. Readings for three frequencies (440 Hz, 1760 Hz, and 3520 Hz) were taken at 25 m intervals (12.5 m for 50 m c.s., 6.25 m for 25 m c.s.). A reading accuracy of $\pm 0.5\%$ was attained for both the in-phase and quadrature components of the secondary electromagnetic field. The data recorded by the MMC was transferred to a portable computer at the end of each survey day, from which it was processed and plotted.

c) GRAVITY

A Lacoste & Romberg Model 'G' gravity meter was utilized in the survey, and the gravity readings are corrected for latitude and elevation (including both free-air and Bouguer corrections). The gravity data is processed for a Bouguer density of 2.67 g/cc. A Base Station was established on each grid, and by utilizing the base station readings (at least 2 per day) all gravity readings were corrected for diurnal drift and levelled to this common base.

A Nikon D-50 Total Station survey instrument was used to provide

the elevation data for the gravity corrections. A base station was established, typically near the middle of the gravity line, and the gravity stations were surveyed at 25m intervals, tying into several stations on the return trip plus the initial base station. Any minor errors were distributed throughout the stations of that loop, resulting in individual station accuracies in the order of 0.05 metres.

With reading variations due to gravity meter reading accuracy and drift, and elevation errors, the overall accuracy of the corrected gravity values is probably in the order of 0.05-0.10 mgals.

The results of the gravity survey are presented at a scale of 1:5,000 as profiles of the Bouguer gravity data, along with the topographic profiles, for a Bouguer density of 2.67 gm/cc. The Bouguer gravity data is plotted at a vertical scale of 1 cm = 0.25 mgals and the topography at an exaggerated vertical scale of 1 cm = 5 m.

DATA PRESENTATION

MAGNETICS

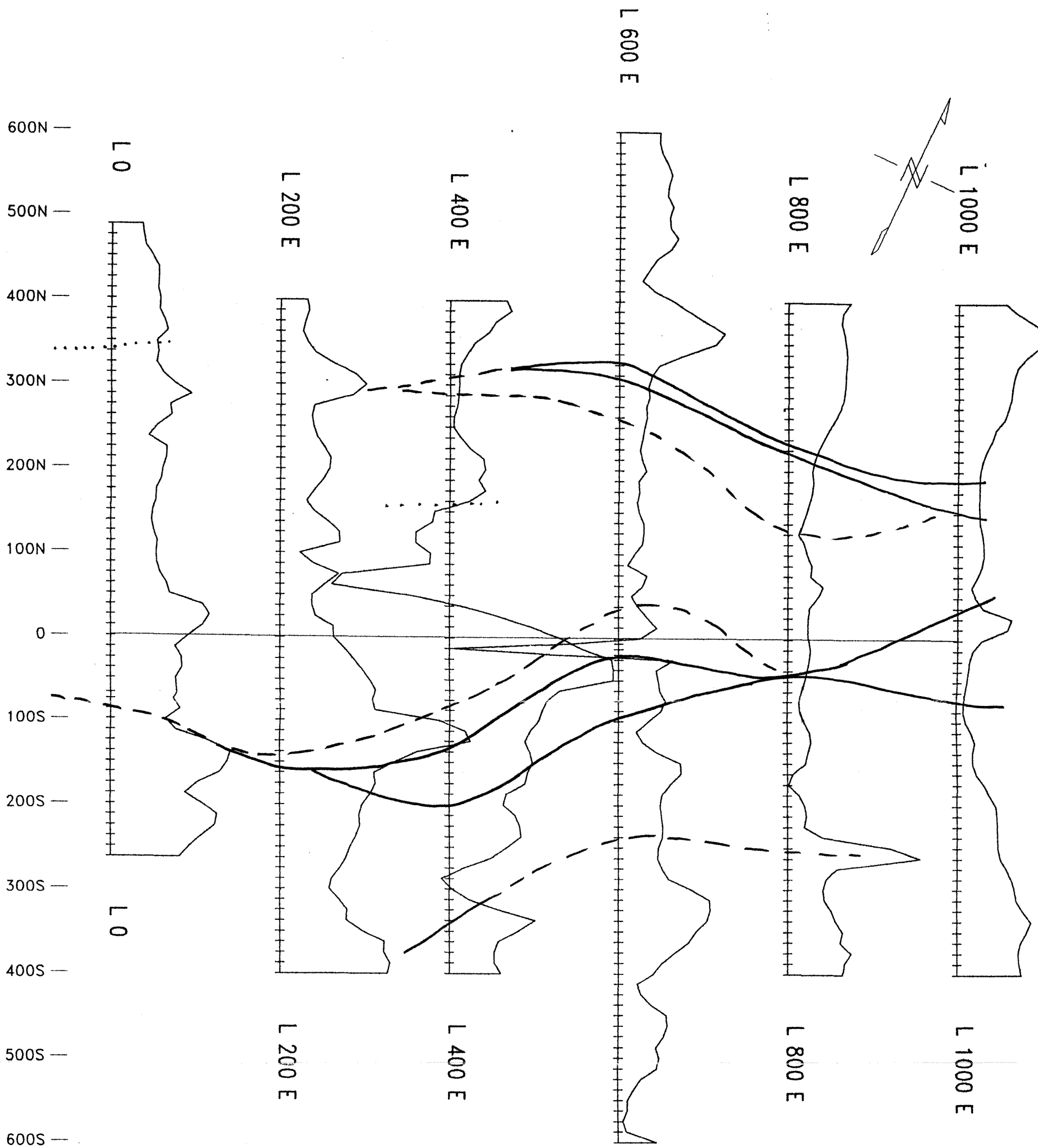
The total field magnetic data are presented in both profile and contour formats, on 1:2,500 plan maps. The total field profiles are plotted at a vertical scale of 1 cm = 250 nT for each grid area. The magnetics contour map of the ABM Zone is plotted with a contour interval of 50 nT.

HORIZONTAL LOOP EM

The HLEM data are presented on 1:2,500 in profile plots, one for each of the three frequencies recorded (440, 1760, and 3520 Hz). A vertical scale of 1 cm = 20% was used for the HLEM profiles.

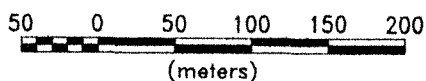
GRAVITY

The gravity data are also plotted in profile form, along with the topographic profile, at a horizontal scale of 1:2500. The gravity reductions are calculated for a Bouguer density of 2.67 gm/cc, and profiles are presented at a vertical scale of 1 cm = 0.25 milligals, and topography at a scale of 1 cm = 20 m (5X vertical exaggeration).



Vertical Scale: 1cm = 100 nT

Scale 1:5000



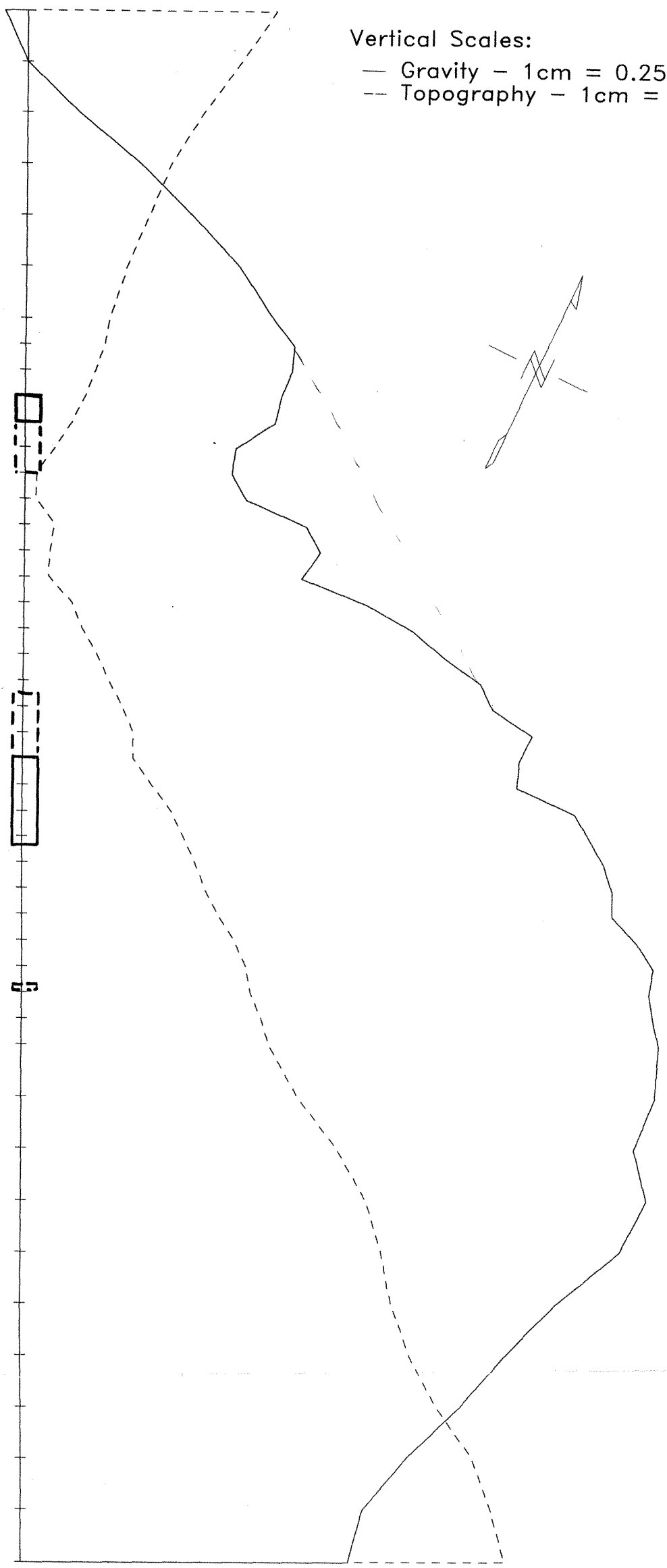
COMINCO EXPLORATION

PELLY MTN PROPERTY
GRID GP7E
TOTAL FIELD MAGNETICS

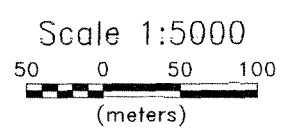
COMINCO GEOPHYSICS

700N —
600N —
500N —
400N —
300N —
200N —
100N —
0 —
100S —
200S —
300S —
400S —
500S —
600S —
700S —
800S —

Vertical Scales:
— Gravity — 1cm = 0.25 mgals
- - Topography - 1cm = 20m



L 600 E

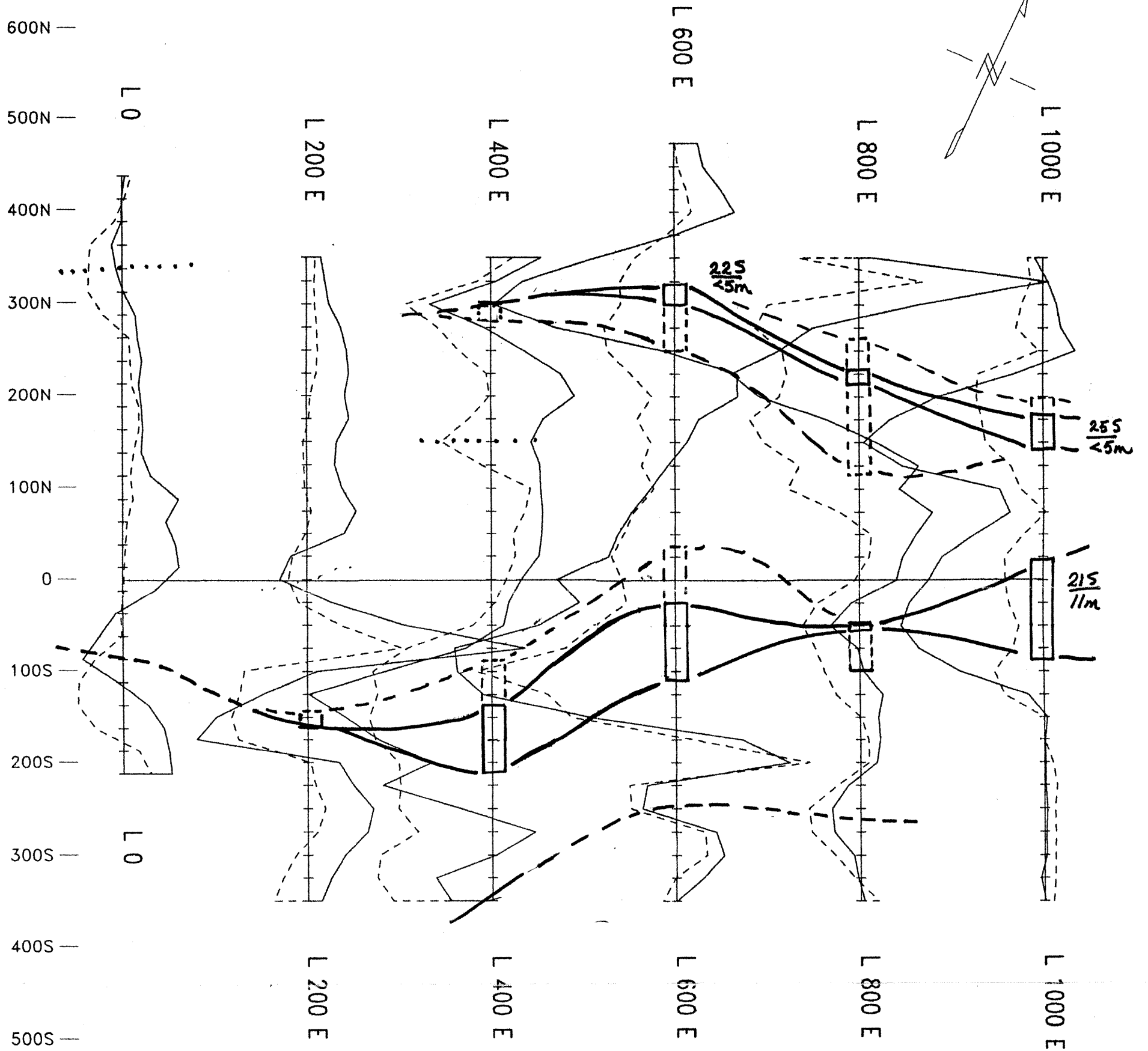


COMINCO EXPLORATION

PELLE MTN PROPERTY
GRID GP7E
BOURGUER GRAVITY

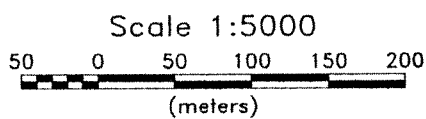
LINE 600E
D=2.67

COMINCO GEOPHYSICS

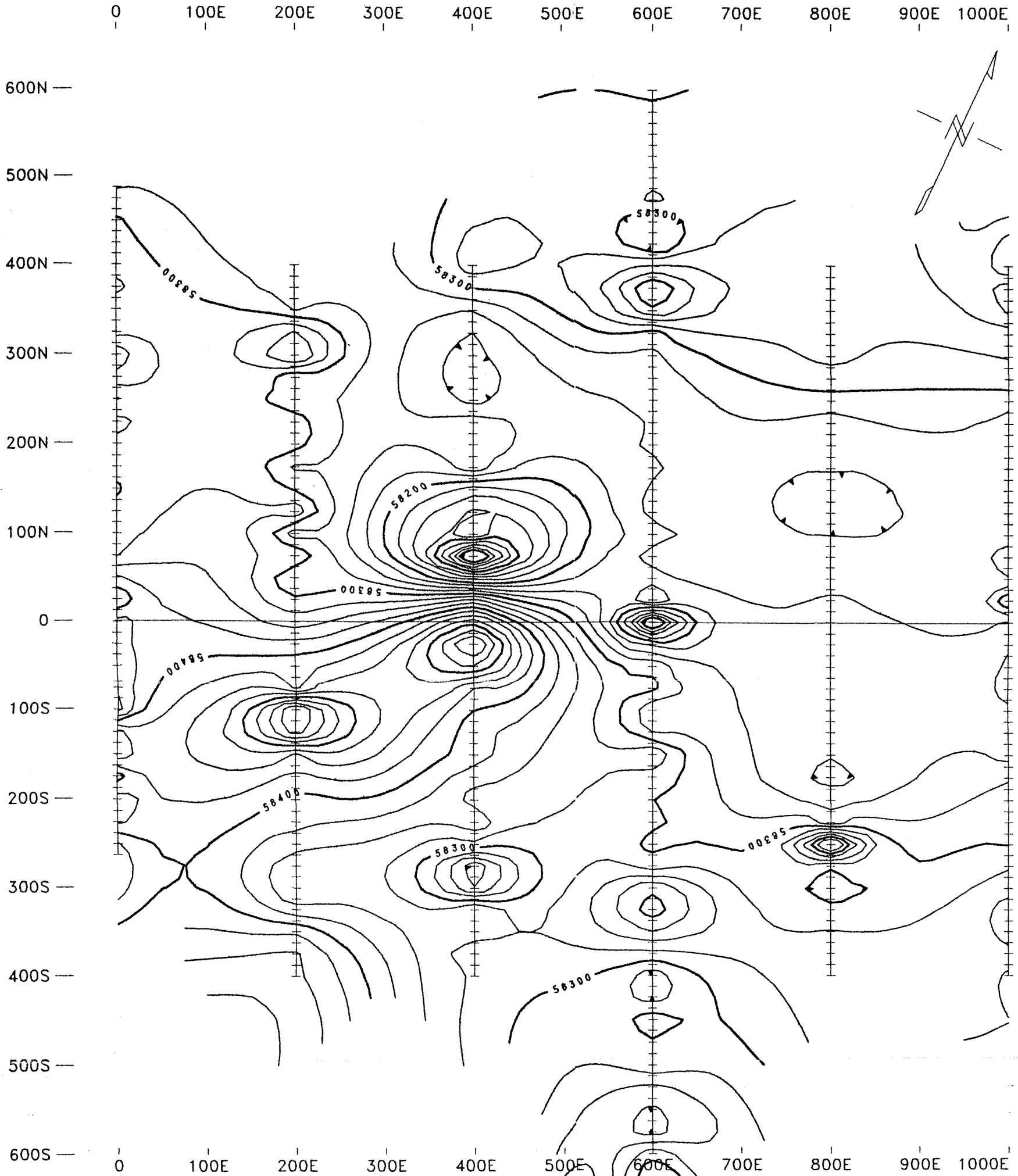


Vertical Scales:

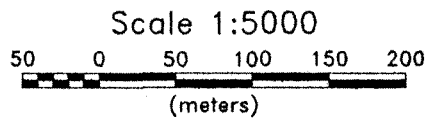
- In Phase - 1cm = 20%
- - - Quadrature - 1cm = 20%



COMINCO EXPLORATION
PELLY MTN PROPERTY GRID GP7E HORIZONTAL LOOP EM
1760 Hz 100m cs
COMINCO GEOPHYSICS



Contour Interval: 25 nT



COMINCO EXPLORATION
PELLE MTN PROPERTY GRID GP7E
TOTAL FIELD MAGNETICS
COMINCO GEOPHYSICS

600N —
 500N —
 400N —
 300N —
 200N —
 100N —
 0 —
 100S —
 200S —
 300S —
 400S —
 500S —

L 0
 L 0

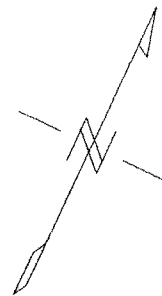
L 200 E
 L 200 E

L 400 E
 L 400 E

L 600 E
 L 600 E

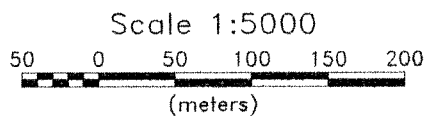
L 800 E
 L 800 E

L 1000 E
 L 1000 E



Vertical Scales:

600S — — In Phase — 1cm = 20%
 — Quadrature — 1cm = 20%



COMINCO EXPLORATION

PELLY MTN PROPERTY
 GRID GP7E
 HORIZONTAL LOOP EM

440 Hz
 100m cs

COMINCO GEOPHYSICS

600N —
 500N —
 400N —
 300N —
 200N —
 100N —
 0 —
 100S —
 200S —
 300S —
 400S —
 500S —
 600S —

L 0
 L 0

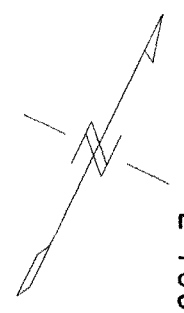
L 200 E
 L 200 E

L 400 E
 L 400 E

L 600 E
 L 600 E

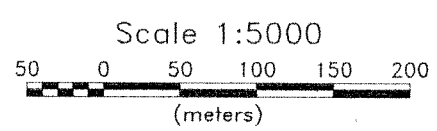
L 800 E
 L 800 E

L 1000 E
 L 1000 E



Vertical Scales:

- In Phase - 1cm = 20%
- - - Quadrature - 1cm = 20%



COMINCO EXPLORATION
PELLY MTN PROPERTY GRID GP7E HORIZONTAL LOOP EM
3520 Hz 100m cs
COMINCO GEOPHYSICS

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/1

1994 ASSESSMENT REPORT

POP, BASE, HOME, RUN, BALL, FLY and BAT PROPERTIES
(EXPO PROPERTY)

LINECUTTING, GROUND GEOPHYSICS (HLEM/MAG AND GRAVITY), SOIL GEOCHEMISTRY AND
GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

FIRE LAKE AREA, PELLY MOUNTAINS

WORK PERIOD

JUNE 28 TO JULY 2, JULY 31 and AUGUST 3, 5, 6, 10, 12-15, 1994

POP - LAT: 61°11'
BASE - LAT: 61°14'
HOME - LAT: 61°13'
RUN - LAT: 61°14'
BALL - LAT: 61°14'
FLY - LAT: 61°12'
BAT - LAT: 61°10'

POP - LONG: 130°17'
BASE - LONG: 130°16'
HOME - LONG: 130°12'
RUN - LONG: 130°11'
BALL - LONG: 130°13'
FLY - LONG: 130°10'
BAT - LONG: 130°03'

APRIL, 1995


PAUL A. MacROBBIE

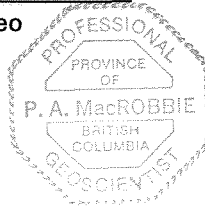
STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 11164 Southridge Rd., Delta, B.C. hereby declare that I:

1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.
2. Have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.
3. Am a registered member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

Date: April 10, 1995


P.A MacROBBIE, P.Geo
GEOLOGIST



MAP NO:105G/1

ASSESSMENT REPORT: X

DOCUMENT NO: 093338

PROSPECTUS:

MINING DISTRICT: Watson Lake

CONFIDENTIAL: X

TYPE OF WORK:Geology, geochem,
geophysics

OPEN FILE:

REPORT FILED UNDER: Cominco Ltd.

DATE PERFORMED:June, July, August 1994

DATE FILED:June 23, 1995

LATITUDE:61 11

AREA:Fire Lake#

LONGITUDE:130 17

VALUE:\$29200

CLAIM NAME AND #:Pop, Base, Home, Run, Ball, Fly, Bat

WORK DONE BY:P. MacRobbie

WORK DONE FOR:Cominco Ltd.

DATE TO GOOD STANDING	

REMARKS:A number of targets are outlined on these properties.

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/1

1994 ASSESSMENT REPORT

POP, BASE, HOME, RUN, BALL, FLY and BAT PROPERTIES
(EXPO PROPERTY)

LINECUTTING, GROUND GEOPHYSICS (HLEM/MAG AND GRAVITY), SOIL GEOCHEMISTRY AND
GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

FIRE LAKE AREA, PELLY MOUNTAINS

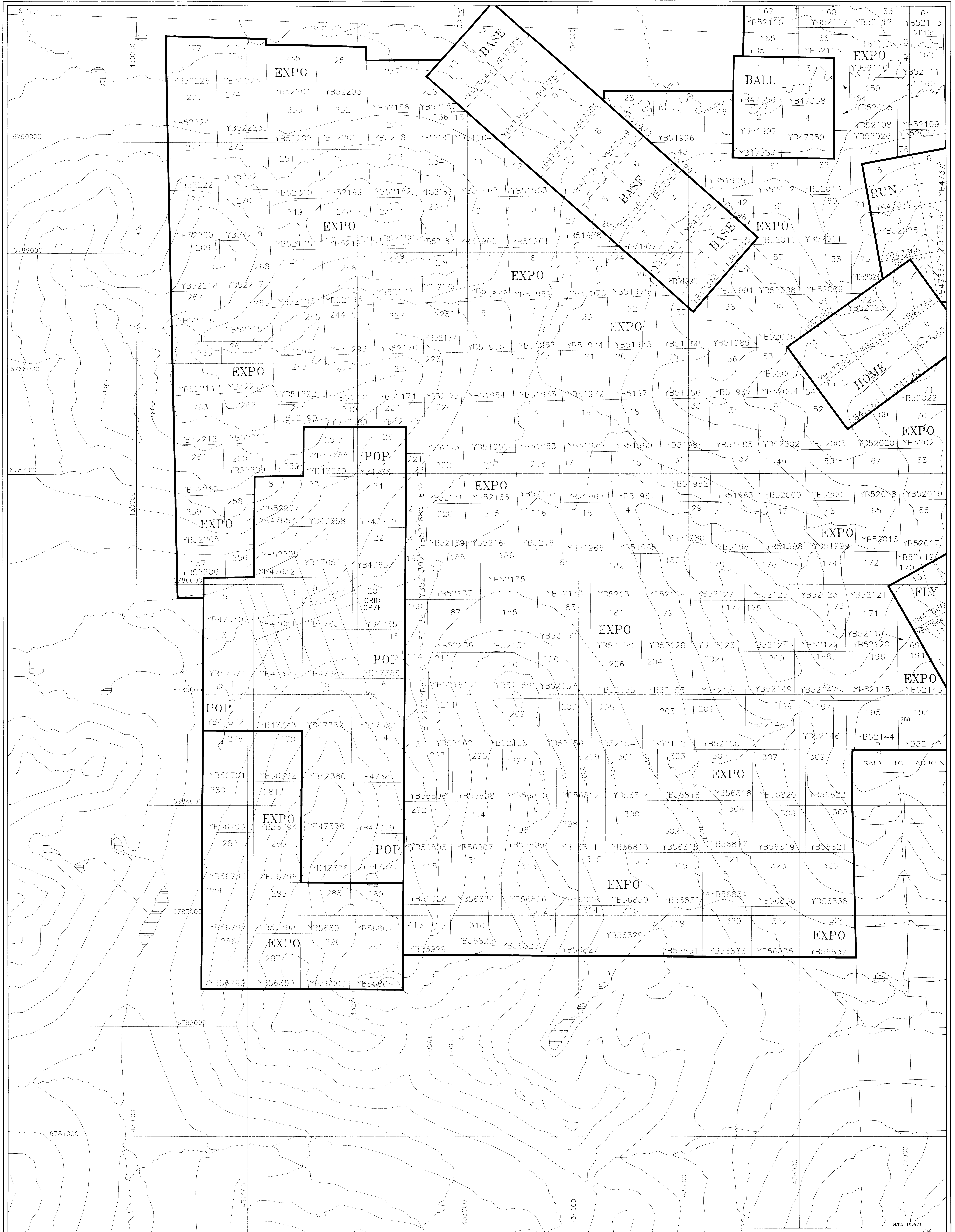
093338

WORK PERIOD

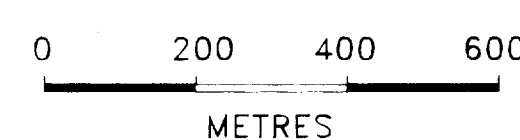
JUNE 28 TO JULY 2, JULY 31 and AUGUST 3, 5, 6, 10, 12-15, 1994

POP - LAT: 61°11'
BASE - LAT: 61°14'
HOME - LAT: 61°13'
RUN - LAT: 61°14'
BALL - LAT: 61°14'
FLY - LAT: 61°12'
BAT - LAT: 61°10'

POP - LONG: 130°17'
BASE - LONG: 130°16'
HOME - LONG: 130°12'
RUN - LONG: 130°11'
BALL - LONG: 130°13'
FLY - LONG: 130°10'
BAT - LONG: 130°03'



NOTE: COORDINATES ARE NAD27



WATSON LAKE MINING DISTRICT

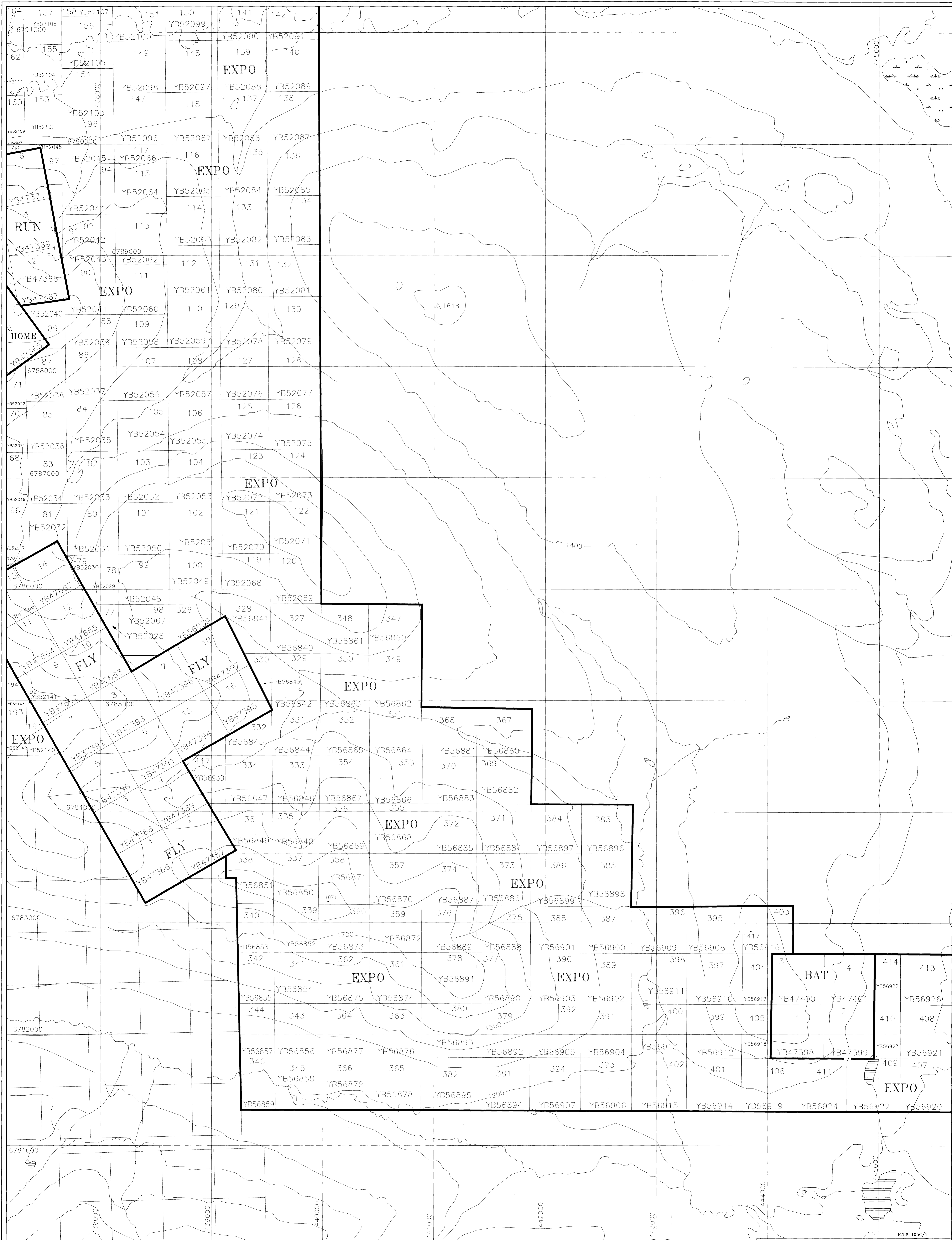
EXPO PROPERTY 093338

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 Record No: _____ Date: _____

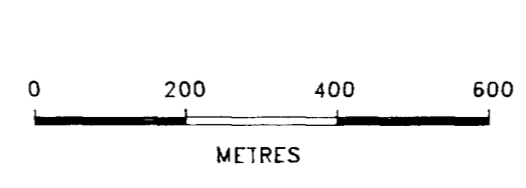
CLAIM LOCATIONS
 POP, BASE, HOME, RUN, BALL,
 FLY AND EXPO CLAIM GROUPS

SCALE: 1:10,000 DATE: Apr. 1995 PLATE No: 2a

N.T.S. 1056/1



NOTE: COORDINATES ARE NAD27



WATSON LAKE MINING DISTRICT

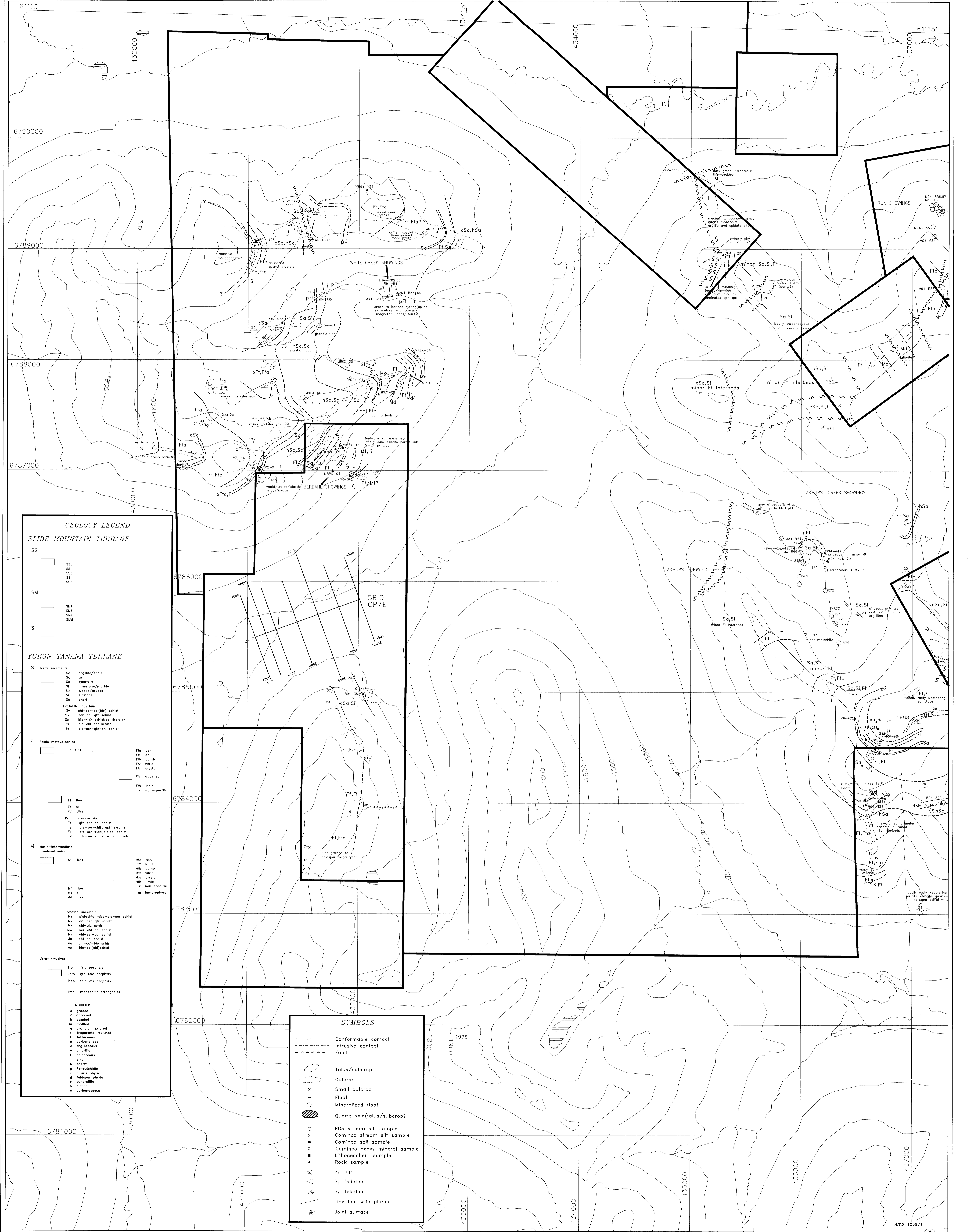
EXPO PROPERTY **093338**

Drawn by: JPR Traced by: [Signature]
 Revised by: [Signature] Date: [Signature]

CLAIM LOCATIONS **D049**
 EXPO, HOME, RUN, BAT, AND FLY
 CLAIM GROUPS

SCALE: 1:10,000 DATE: Apr. 1995 PLATE NO. 2B

N.T.S. 1056/1



GEOLOGY LEGEND
SLIDE MOUNTAIN TERRANE

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SI

YUKON TANANA TERRANE

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SYMBOLS

--- Conformable contact
- - - Intrusive contact
- - - Fault

○ Talus/subcrop
○ Outcrop
○ Small outcrop
○ Float
○ Mineralized float
○ Quartz vein (talus/subcrop)

○ RGS stream silt sample
○ Cominco stream silt sample
○ Cominco soil sample
○ Cominco heavy mineral sample
○ Lithogeochem sample
○ Rock sample

○ S₁ dip
○ S₂ foliation
○ S₃ foliation
○ Lineation with plunge
○ Joint surface

EXPO PROPERTY DWL7

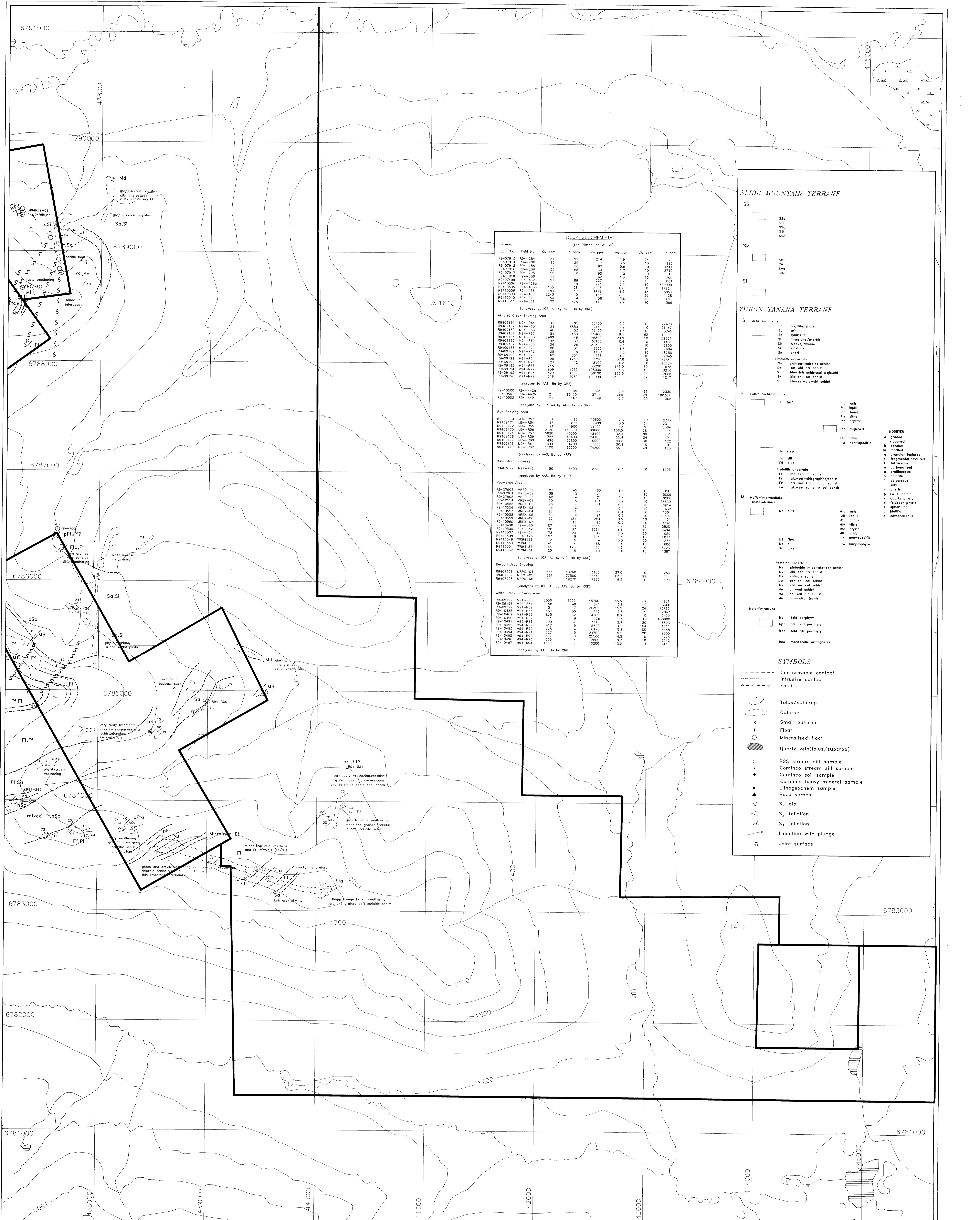
GEOLOGY 09338

POP, BASE, HOME, RUN, BALL, FLY & EXPO CLAIM GROUPS

SCALE: 1:10,000 DATE: APR. 1995 PLATE NO: 3a

WATSON LAKE MINING DISTRICT

NOTE: COORDINATES ARE NAD27



ROCK GEOCHEMISTRY
(for Plates 3a & 3b)

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9407913	R94-284	54	92	214	1.9	24	79
R9407914	R94-285	18	10	117	0.5	10	1415
R9407915	R94-286	32	16	87	0.6	10	1314
R9407916	R94-289	35	65	44	1.2	10	2710
R9407917	R94-292	152	6	95	1.0	10	8513
R9407918	R94-300	11	111	82	1.8	10	1290
R9407919	R94-422	21	89	227	0.2	10	184
R9410504	R94-450a	11	9	271	0.4	10	53000
R9410505	R94-450b	135	29	222	0.8	10	12024
R9410509	R94-483	484	17	1449	4.6	48	8553
R9410510	R94-488	2483	10	186	8.6	26	1128
R9410511	R94-537	54	77	628	4.6	10	1895
R9410511	R94-537	77	628	4.6	2.7	10	396

(analyses by ICP, Au by AAS, Bi by XRF)

Akharst Creek Showing Area

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9409181	M94-R64	47	95	33400	0.9	10	22473
R9409182	M94-R65	24	6950	7460	1.2	10	51667
R9409183	M94-R66	48	53	25400	3.8	10	3745
R9409184	M94-R67	154	2400	15400	3.1	49	12503
R9409185	M94-R68	2960	46	28800	29.3	10	29537
R9409186	M94-R69	492	37	35400	10.8	10	7481
R9409187	M94-R70	26	26	30300	2.3	10	49655
R9409188	M94-R71	80	31	29000	1.8	10	18350
R9409189	M94-R72	28	9	1160	0.6	10	2045
R9409190	M94-R73	67	321	476	4.7	10	16550
R9409191	M94-R74	29	1750	1390	37.9	10	11650
R9409192	M94-R75	23	12	18100	0.8	10	95534
R9409193	M94-R76	245	2660	52200	271.0	60	1678
R9409194	M94-R77	939	10300	109000	45.5	10	3210
R9409195	M94-R78	429	1560	56100	163.0	24	2668
R9409196	M94-R79	316	2960	101000	333.0	52	1217

(analyses by AAS, Bi by XRF)

Run Showing Area

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9409170	M94-R53	54	13	10800	2.3	10	2317
R9409171	M94-R54	817	280	14600	11.2	10	5009
R9409172	M94-R55	94	1900	11000	12.3	34	112311
R9409173	M94-R56	2120	33000	93000	10.3	18	7264
R9409174	M94-R57	5820	40000	48400	32.4	60	445
R9409175	M94-R58	736	43400	7460	52.4	24	191
R9409176	M94-R59	498	32800	10000	44.4	35	172
R9409178	M94-R61	444	34000	9900	50.4	10	91
R9409179	M94-R62	1100	90000	74200	66.1	40	165

(analyses by AAS, Bi by XRF)

Base-Area Showing

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9407872	M94-R43	80	5400	8500	16.3	10	1105

(analyses by AAS, Bi by XRF)

Pop-Exp Area

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9407303	M94-R01	83	45	83	1.4	10	845
R9407304	M94-R02	38	13	21	0.8	10	5009
R9413254	M94-R03	60	4	71	0.4	10	9208
R9413255	M94-R04	80	7	191	1.2	10	78532
R9413256	M94-R05	36	4	48	0.4	10	6914
R9413257	M94-R06	37	5	26	0.4	10	1632
R9413258	M94-R07	50	4	86	0.4	10	1201
R9413259	M94-R08	50	4	91	0.4	10	13207
R9413260	M94-R09	50	4	114	0.5	10	401
R9413261	M94-R10	107	16	124	0.7	10	1141
R9413262	M94-R11	169	24	430	1.1	10	3820
R9413263	M94-R12	738	37	2361	1.1	10	3820
R9413264	M94-R13	73	24	93	0.3	10	2434
R9413265	M94-R14	107	9	114	0.4	10	1877
R9413266	M94-R15	2	4	4	0.4	10	600
R9413267	M94-R16	44	133	38	1.3	10	573
R9413268	M94-R17	20	5	10	0.4	10	1387

(analyses by ICP, Au by AAS, Bi by XRF)

Bardoli Area Showing

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9407906	M94-R04	1675	10280	13160	27.0	10	254
R9407907	M94-R05	387	77500	78340	63.3	93	111
R9407908	M94-R06	708	19270	17920	18.3	10	173

(analyses by ICP, Au by AAS, Bi by XRF)

White Creek Showing Area

Lab No.	Field No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	Bi ppm
R9409187	M94-R80	3050	2500	45700	55.5	70	351
R9409188	M94-R81	58	48	341	3.8	40	3460
R9409189	M94-R82	117	30300	152	24	1743	
R9413488	M94-R83	187	50	740	2.6	10	2047
R9413489	M94-R84	620	5	14100	8.9	10	2439
R9413490	M94-R85	5	32	126	0.5	10	430000
R9413491	M94-R86	190	9	126	0.9	104	893
R9413492	M94-R87	417	30	3110	2.7	20	893
R9413493	M94-R88	725	9	870	4.9	104	1711
R9413494	M94-R89	527	5	24100	5.2	100	5168
R9413495	M94-R90	397	20	25000	20	2800	
R9413496	M94-R91	505	4	12800	9.3	10	3742
R9413497	M94-R92	1530	7	10200	13.2	10	1456

(analyses by AAS, Bi by XRF)

SLIDE MOUNTAIN TERRANE

SS

- SSa
- SSb
- SSc
- SSd
- SSe

SM

- SMa
- SMb
- SMc
- SMd

SI

- SIa
- SIb

YUKON TANANA TERRANE

S Meta-sediments

- Sa argillite/shale
- Sg grit
- Sq quartzite
- Sl limestone/marble
- Ss waste/orfoss
- Si siltstone
- Sc chert

Protolith uncertain

- Sr chi-rem-qtz schist
- Sw ser-chi-qtz schist
- Sx bio-rich schist/col schist
- Sy bio-chlor schist
- St bio-ser-qtz schist

F Felsic metavolcanics

- Fa tuff
- Fb aglitt
- Fc Bomb
- Fd vitro
- Ff vitro
- Fg vitro
- Fh vitro
- Fic vitro
- Fic sugared

Protolith uncertain

- Fz qtz-rem-act schist
- Fy qtz-rem-chi/graphite schist
- Fw qtz-rem schist/col schist
- Fv qtz-rem schist w col bands

M Meta-intermediate metavolcanics

- Mf tuff
- Mg ash
- Mh ignitt
- Mb bomb
- Mv vitro
- Mic vitro
- Mf vitro
- Mf vitro
- Md vitro

Protolith uncertain

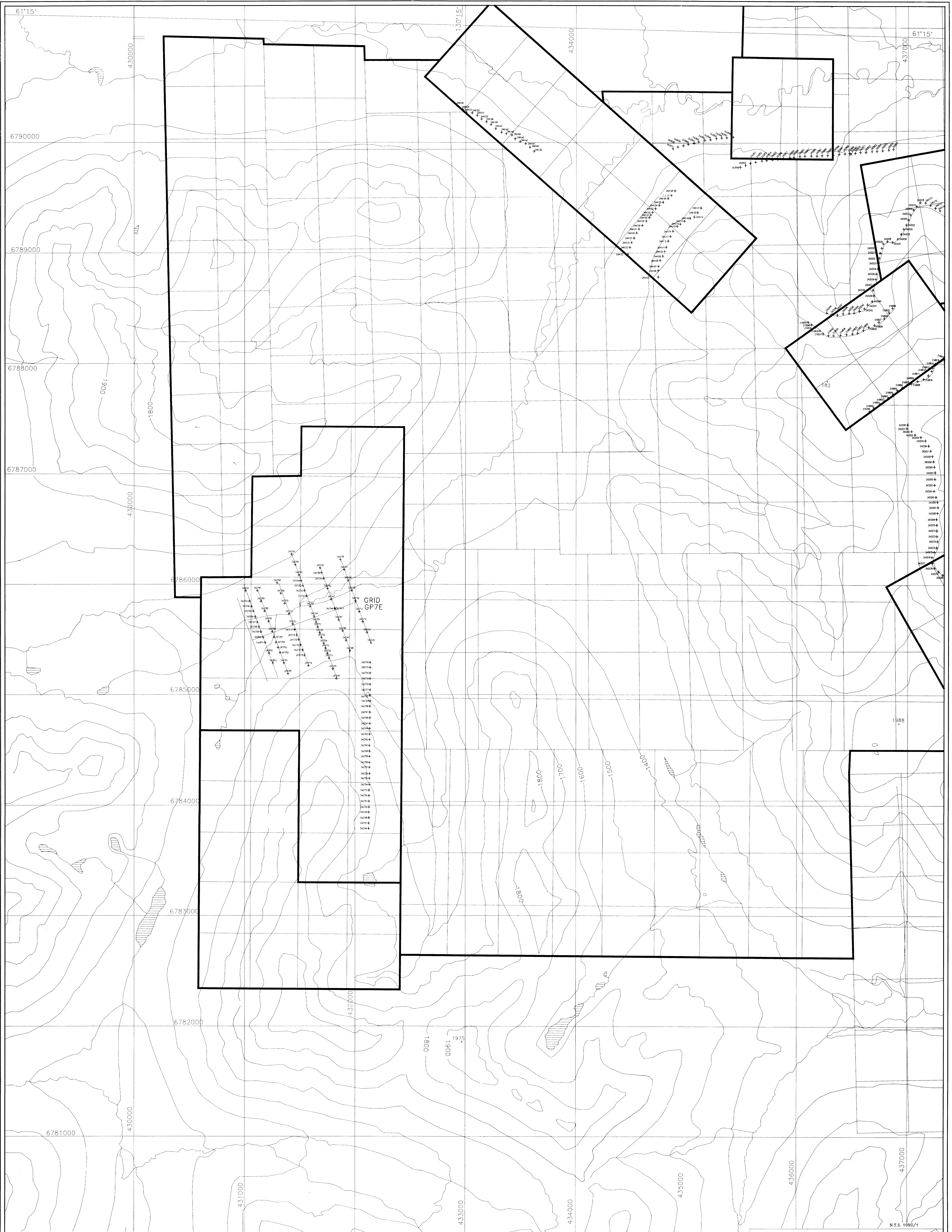
- Mz metabio mica-qtz schist
- My chi-rem-qtz schist
- Mx chi-qtz schist
- Mw ser-chi-act schist
- Mu chi-rem-act schist
- Mv chi-act schist
- Mn bio-act schist

I Meta-intrusives

- Ipf field porphyry
- Iqtz qtz-act porphyry
- Ihp field-act porphyry
- Ims monzonitic orthogneiss

SYMBOLS

- Conformable contact
- - - - - Intrusive contact
- ~ ~ ~ ~ ~ Fault
- Talus/subcrop
- Outcrop
- x Small outcrop
- + Float
- Mineralized float
- Quartz vein(talus/subcrop)
- RCS stream silt sample
- Cominco stream silt sample
- Cominco soil sample
- Cominco heavy mineral sample
- Lithogeochem sample
- Rock sample
- S₁ dip
- S₂ foliation
- S₃ foliation
- Lineation with plunge
- Joint surface



NOTE: COORDINATES ARE NAD27

◆◆◆ SOIL GEOCHEMISTRY LOCATION
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EXPO PROPERTY 09333 (5)

◆◆◆ SOIL GEOCHEMISTRY LOCATION
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DRAWN BY: JPR
TRACED BY: JPR

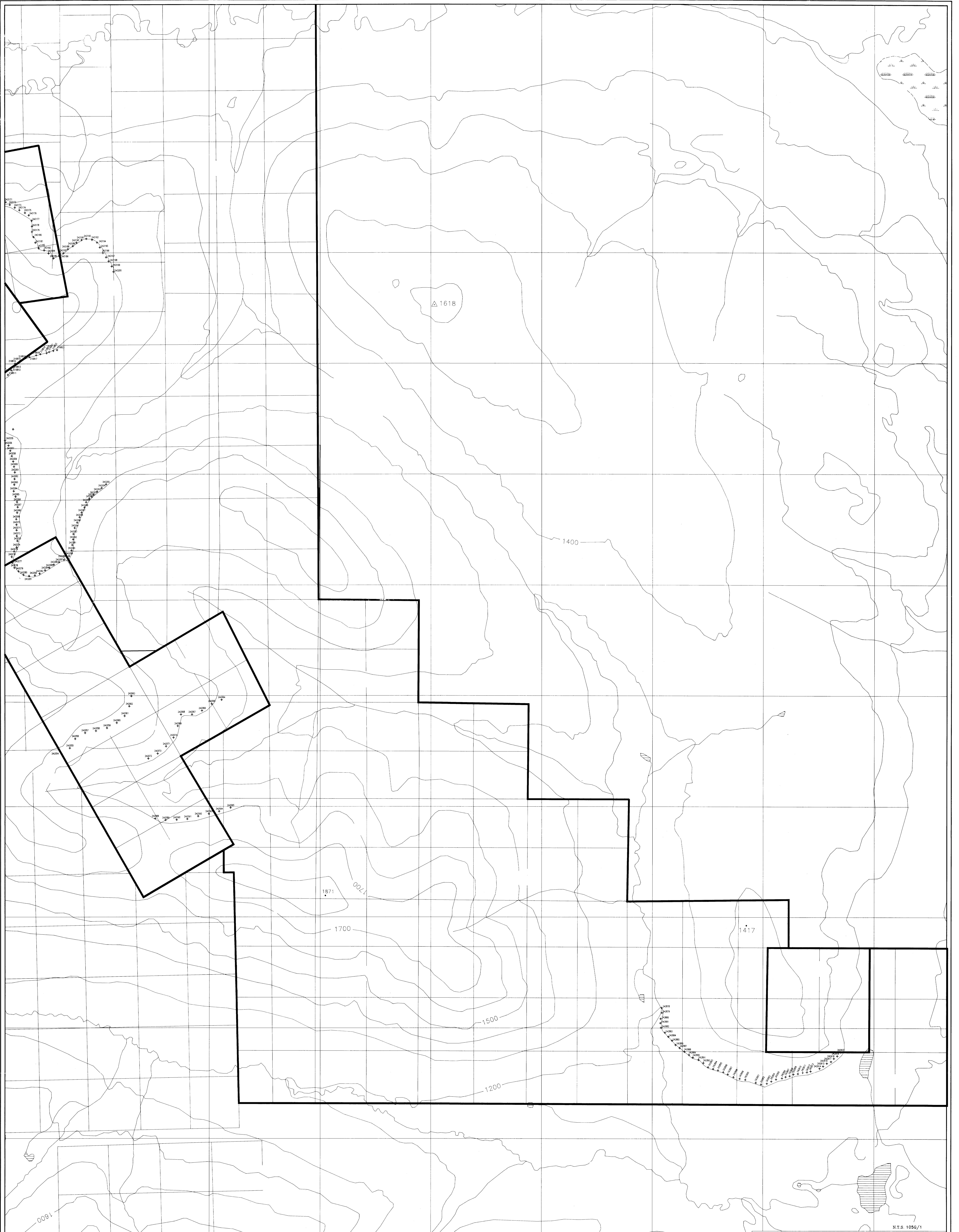
◆◆◆ SOIL GEOCHEMISTRY LOCATION
SAMPLE NUMBER
SAMPLE LOCATIONS

◆◆◆ SOIL GEOCHEMISTRY LOCATION
POP, BASE, HOME, RUM, BALL, FLY & EXPO CLAM GROUPS

◆◆◆ SOIL GEOCHEMISTRY LOCATION
SOIL GEOCHEMISTRY

◆◆◆ SOIL GEOCHEMISTRY LOCATION
SCALE: 1:10,000 DATE: Apr. 1995
PLATE NO: 4a

WATSON LAKE MINING DISTRICT



NOTE: COORDINATES ARE NAD27

* 242091 SOIL GEOCHEMISTRY LOCATION
SAMPLE NUMBER



WATSON LAKE MINING DISTRICT

N.T.S. 1056/1

EXPO PROPERTY 093338

Drawn by: J.P.R. Revised by: Date: _____ Traced by: A.M. McLEOD	SAMPLE LOCATIONS EXPO, HOME, RUN, BAY, & FLY CLAIM GROUPS SOIL GEOCHEMISTRY
SCALE: 1:10,000 DATE: Apr 1995 PLATE NO: 4b	