

094760

TRANSMITTAL FORM

MR File No. <u>QL25921-22</u>
MML File No.
Date <u>Oct 30/06</u>

From ► Mining Recorder at: <u>Watson Lake</u>			
To ► Manager Mining Lands ☐		Client Services ☐	
Geology ☒			
For Action Are:			
☐ New Application for Placer Lease		Name:	
☐ Renewal Application for Placer Lease		Name:	Lease No:
☐ Affidavit of Expenditure of Placer Lease		Name:	Lease No:
☐ Security Deposit		Name:	
☐ Assignment of Placer Lease		Lease No.	From:
		To:	
☐ Grouping App. Under Sec. 52(2) YPMA		Owner(s)	
☐ Prev. Grp. Number			
☐ Claims Added			
☐ Claims Transferred			
☐ Diamond Drill Logs		Claims	Map No.
☒ Qtz Assessment Report		Claims <u>EXPO, POP, FLY, HOME - see attached list</u>	Map No. <u>105-G-01</u>
☐ Placer Assessment Report		Type of Report <u>PR, GL</u>	Date Received <u>Oct 12, 2006</u>
		Owner/Submitted By <u>Ronald S. Berdahl</u>	M.R. Assess. Credit Approved \$ 5,500.00 QL25922 9,000.00 QL25921
☒ Sent in for numbering only, please send back a stamped, signed approval page.			

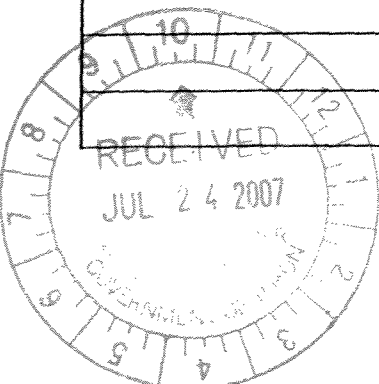
Sent in 1 floppy Disk.

Signature [Signature]

REPLY ACTION:

Date Returned

Signature

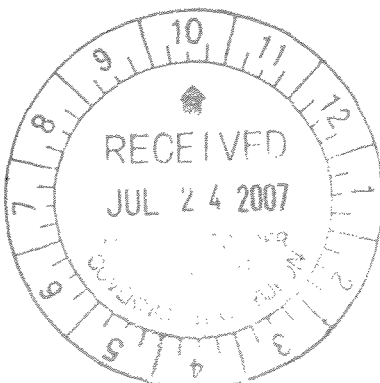


094760

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 5500/9000.

M. B. L.

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.



Costs associated with this report have been
approved in the amount of \$ 14,500.⁰⁰
for assessment credit under Certificate of
Work No. QL 25921, QL 25922



Mining Recorder
Watson Lake Mining District

PROSPECTING & GEOCHEMICAL REPORT
ON
THE FINLAYSON PROJECT

EXPO
FLY
HOME
POP
Claims

NTS MAP SHEET 105 G/1

LATITUDE 61° 13' N LONGITUDE 130° 15' W

WATSON LAKE MINING DISTRICT

Prepared by Claim Owner:

Ron S. Berdahl
Box 11250
Whitehorse, Yukon
Y1A 6N4

For Work Performed Between:

August 29 – September 5, 2005

January 13, 2006

SUMMARY

The Expo Property consists of two separate claim blocks approximately 1.5 km apart. The author made the original discovery of 17% combined Pd/Zn in float near a slide on what is now the west block. The same year a large bedded barite body was discovered on what is now the east block.

Cominco optioned the ground while investigating for VMS deposits in the Finlayson District. Three holes were drilled between 1994-97, with encouraging results. In 2003 two new mineralized areas were discovered. On the west block a 13% zinc showing in felsic subcrop was found. On the east block a single line of soils delineated a 500 m long Zn/Au anomaly in soils.

The 2005 program was aimed at further delineating the extent the mineralized zones discovered in previous years. Approximately 300 soil and rock samples were collected, mostly on two grids, on the east and west blocks respectively. On the west block a boulder of disseminated Pb/Zn was found. The Zn/Au anomaly on the east block was better defined. It extends over 800 m and is open along strike in both directions.

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INTRODUCTION

This report is prepared to satisfy the requirements for assessment work as set out under the *Yukon Quartz Mining Act*, to consolidate information collected during the 2005 field season, and to satisfy Yukon Mineral Incentives Program (YMIP) requirements.

HISTORY

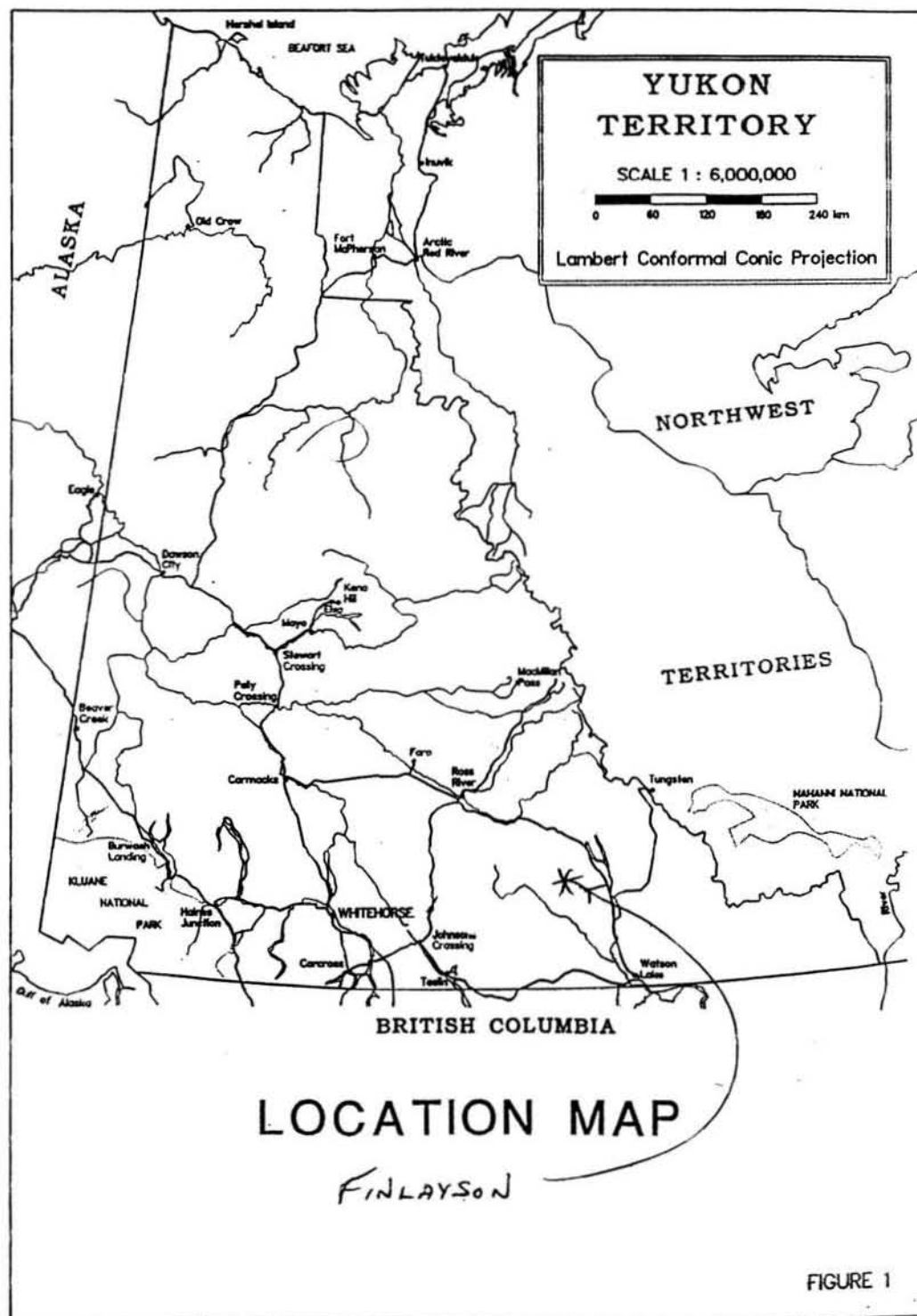
In 1992 the author, following up government released RGS data, discovered banded Pb/Zn mineralization assaying 17% combined Pb/Zn. As well, a 100-foot thick bed of massive barite was discovered approximately 2 km to the southeast. Cominco, having just discovered the ABM deposit, optioned the ground.

The company did soils, mapping, geophysics (HLEM/MAG, gravity) and drilled three holes between 1994 and 1997. The holes intersected VMS style mineralization though at uneconomical grades and intervals.

The author returned in 2003 and again in 2005 prospecting and soil sampling. Several VMS style showings were found.

ACCESS AND PHYSIOGRAPHY

The EXPO properties are 20 km east of Fire Lake, 35 km southeast of Teck Cominco's Kudz Ze Kayah VHMS Deposit and approximately 150 km southeast of Ross River (Figure 1). Yukon Zinc's Wolverine deposit is 20 km to the north east while their "Thunderstruck" showing is 14 km to the northwest. The gravel, all weather Robert Campbell Highway provides access to



within 35 km of the properties. Direct access to the properties is by helicopter. Access in 2005 was via a Hughes 500 from Finlayson Lake 0.3 hours away.

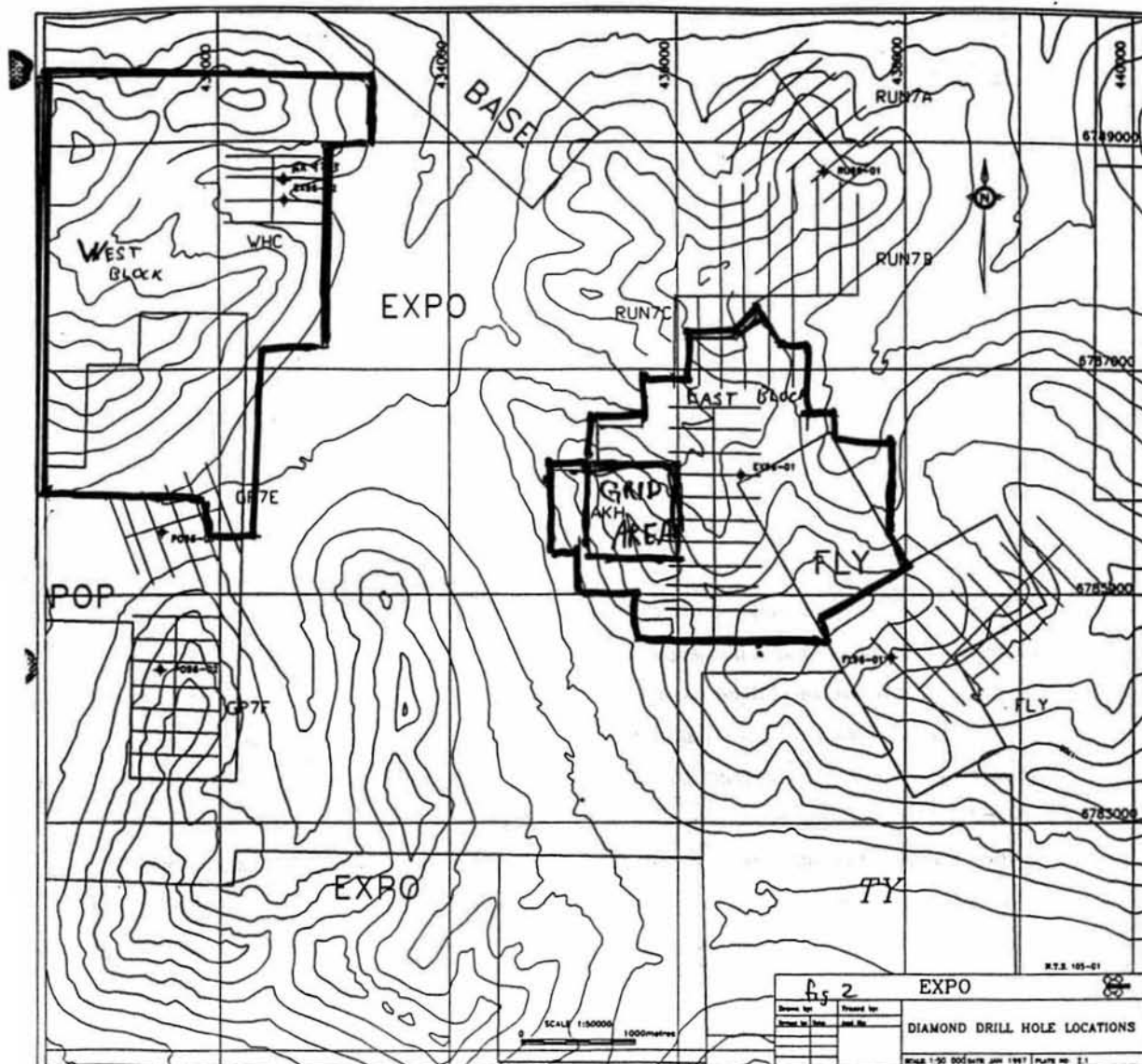
The countryside consists of low mountains to 7,000+ feet. Outcrop is sparse below treeline (4,500 feet) and even above treeline is often only exposed in creek beds.

A large gossanous zone dominates the above treeline area of the eastern claim block. A broad (1.5 km) valley separates the blocks and is home to abundant willow and buck brush.

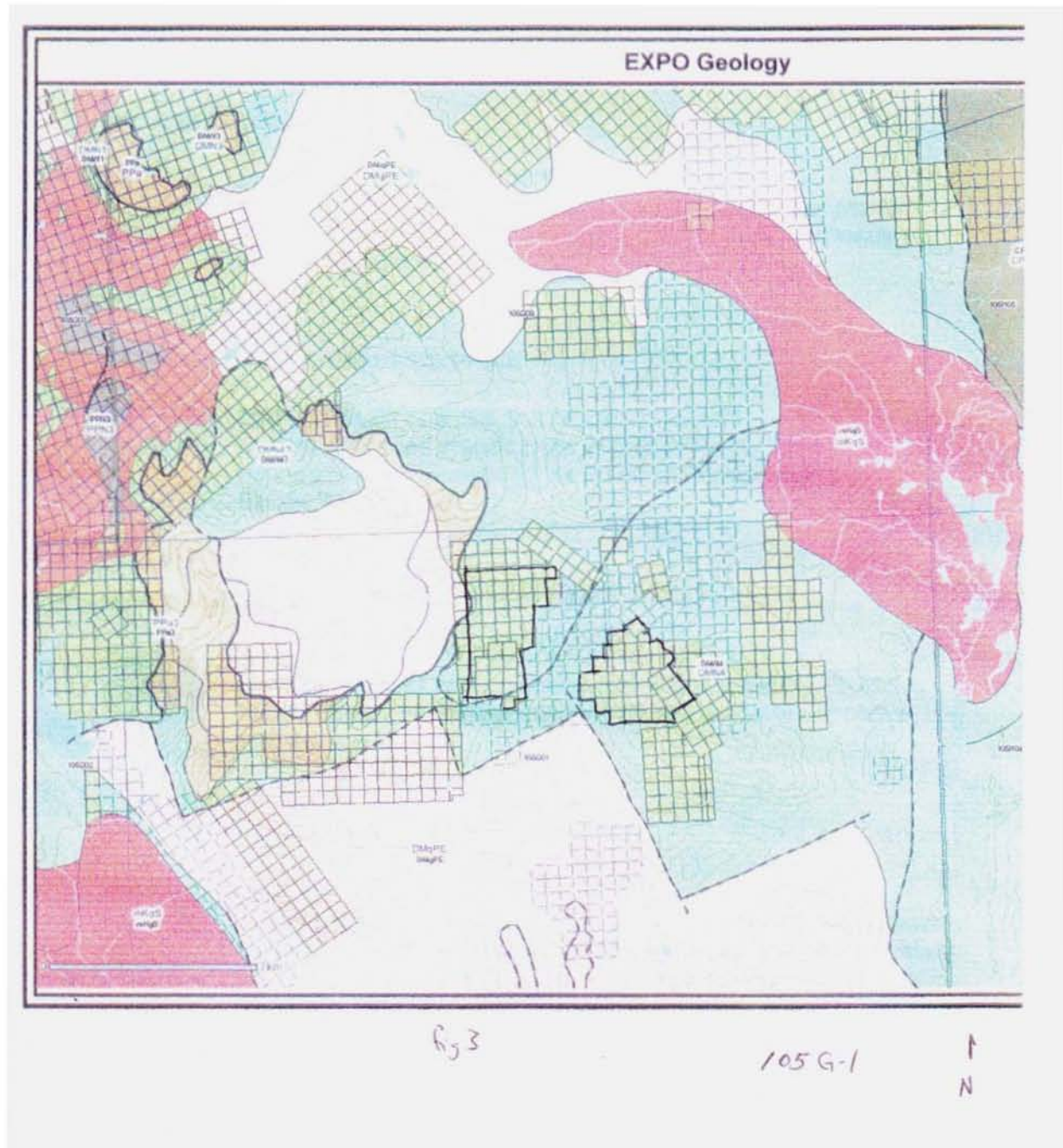
PROPERTY

The two claim blocks consist of 102 claims as follows:

Claim Name/No.	Grant No.	Owner	Stake Date	Expiry Date
EXPO 9	YB51960	R. Berdahl 51%		June 28, 2006
EXPO 29–30	YB51980–51981	T. Mickey 49%		May 15, 2006
EXPO 32	YB51983			May 15, 2006
EXPO 47–52	YB51998–52003			May 15, 2006
EXPO 65–69	YB52016–52020			May 15, 2006
EXPO 77–78	YB52028–52029			May 15, 2006
EXPO 81	YB52032			May 15, 2006
EXPO 169–180	YB52118–52129			May 15, 2006
EXPO 189–200	YB52138–52149			May 15, 2006
EXPO 202	YB52151			May 15, 2006
EXPO 219	YB52168			May 15, 2006
EXPO 221	YB52170			May 15, 2006
EXPO 223–226	YB52172–52175			May 15, 2006
EXPO 227–232	YB52176–52181			May 15, 2006
EXPO 239	YB52188			May 15, 2006
EXPO 240–243	YB52189–52192			May 15, 2006
EXPO 244–249	YB52193–52198			May 15, 2006



105 G-1
Expo et.al. claims
East/West Block



MID-CRETACEOUS



mKW: WHITEHORSE SUITE

grey, medium to coarse grained, generally equigranular granitic rocks of felsic (q), intermediate (g), locally mafic (d) and rarely syenitic (y) composition

LATE DEVONIAN TO MISSISSIPPIAN



DMPE: PELLY GNEISS SUITE - NORTHEAST

variably deformed granitic rocks of predominantly felsic (q) to intermediate composition (g) northeast of Tintina Fault (**Simpson Range Suite**)

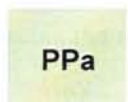
DEVONIAN, MISSISSIPPIAN AND(?) OLDER



DMN: NASINA

graphitic quartzite and muscovite quartz-rich schist (1), (3)-(5), and(?) (6) with interspersed marble (2) and probable correlative successions (7) - (9)

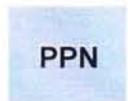
PROTEROZOIC AND PALEOZOIC



PPa: AMPHIBOLITE

metamorphosed mafic rocks including amphibolite (1) and ultramafic rocks (2) of unknown association; i.e.) may belong in part or entirely to Nisling, Nasina, and Slide Mountain assemblages and (3), mafic-ultramafic intrusions within Nasina assemblage

LATE PROTEROZOIC AND PALEOZOIC



PPN: NISLING

assemblage characterized by mica quartz feldspar schist (1) and abundant locally thick limestone members (2); (3) includes possibly equivalent strata northeast of Tintina Fault

Claim Name/No.	Grant No.	Owner	Stake Date	Expiry Date
EXPO 256	YB52205			May 15, 2006
EXPO 257–265	YB52206–52214			May 15, 2006
EXPO 266–271	YB52215–52220			May 15, 2006
FLY 9–14	YB47662–47667			April 15, 2006
HOME 2	YB47361			April 15, 2006
POP 5–8	YB47650–47653			April 15, 2006
POP 18	YB47385			April 15, 2006
POP 19–26	YB47654–47661			April 15, 2006

REGIONAL GEOLOGY

The YTT consists of a sequence of metamorphosed rocks comprising a “lower unit” (31 in Mortensen 1983a) 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 (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. (Cominco, 1997)

The late Devonian to Triassic Slide Mountain Terrane (SMT) is composed of a heterogeneous package of mafic to untramafic plutonic rocks, mafic volcanics, massive carbonates and cherts. This sequence is generally accepted to be structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening. (Cominco, 1997)

Late Triassic immature clastics composed of micaceous argillites, siltstones and sandstones 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. (Cominco, 1997)

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, 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). (Cominco, 1997)

PROPERTY GEOLOGY

EAST BLOCK

Geology

The geology of the claims is described by Cominco geologists, mostly in the referenced 1994 report. The subject is complicated somewhat in that Cominco had several claim blocks covering the author's interest. For reference the "POP" property covers the southern half of the "West Block". The "WHITE CREEK" property covers the north half of the same block. References to the Ackhurst and Fly showings/property are on the "East Block". The claims that tied all the other blocks together were referred to as the EXPO.

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). (Cominco, 1994)

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). (Cominco, 1994)

The geophysical grid covers an AEM/Mag feature located in a valley bottom in an area of presumably no outcrop. (Cominco, 1994)

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. (Cominco, 1994)

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-chalcopryrite. A grab sample returned 1.3% Zn, 1.0% Pb, 0.2% Cu and 37 g/t Ag. (Cominco, 1994) Copper sulphate precipitate was found in the area in 2003. The original Berdahl discovery (1992) consisted of 'layered' subcrop of 17% Pb/Zn.

Two occurrences of fracture and vein filling, and skarn (?) Zn-Pb-Cu-Ag and Pb-Zn-Ag mineralization were found near 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. (Cominco, 1994)

WHITE CREEK Showings

The White Creek Showings are located in a creek approximately 1.5 km north of the POP property, within an area included in the Berdahl Option (Figure 3). (Cominco, 1994)

The main showings consist 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. (Cominco, 1994)

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. (Cominco, 1994)

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. (Cominco, 1994)

Outcrop exposure in this area is generally poor since much of the valley is tree and brush covered. The area is underlain by late Devonian to mid-Mississippian, “middle unit” felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics. (Cominco, 1997)

A strong north trending S₂ cleavage oriented sub-parallel to the primary layering is present throughout the White Creek area. Dips are generally sub-horizontal; however, can be up to 55 degrees. 1997 mapping identified further felsic interval occurrences and thin barite interbands in the felsics. Along with the baritic areas, minor mineralization of py-po-ga-sp were also recorded; continuing identification of mineralized units supports the interpretation of this area as a potential host of a VHMS style deposit. To the northwest of the felsic units, an area of granitoid intrusives was also mapped in 1997. (Cominco, 1997)

WEST BLOCK

AKHURST CREEK Showings

The Akhurst Creek Showings are located along 2 creeks in the Akhurst Showing area, approximately 1.0 km west of the north end of the FLY property.

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. (Cominco, 1994) It may well be related to the soil anomaly discovered this season.

Two outcrops found in the creek consist 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. (Cominco, 1994)

Detailed mapping over the Akhurst area in 1997 continued the delineation of the sedimentary and mixed metavolcanics previously identified in the area (MacRobbie 1994, 1995). 1997 mapping identified altered felsic units and gossans northwest of the main Akhurst area.

This area also showed barite replacement in veins and units that are strongly pyritic. The alteration found is dominantly chloritic with minor Fe-carbonate and sericitic altered areas also mapped. The identified alteration is similar to the alteration seen at Kudz Ze Kayah and supports the interpretation of the Akhurst area as a potential VHMS host. (Cominco, 1997)

Stratiform to massive Zn, Pb, Ag float mineralization was found on both claim blocks (R-32, R-34) (R-39, R-40, R-41) in 2003. These samples ran to over 13% Zn and 44 g Ag. These showings represent new areas of mineralization on both the west and east claim blocks.

The R-32 (2003) area represents a new showing below a carbonate/granite contact, but is not a skarn-type mineralization.

Barite is widespread. A new showing was discovered on the east claim block in 2003, this and several other barite float pieces probably represent an east/west striking barite horizon. 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 (i.e. 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). (Cominco, 1994)

WORK PROGRAM

Fourteen line kilometres of 'deep' soils were taken on 100 m spaced lines with 50 m stations. Each sampler had access to a pick, shovel and soil auger. The east claim block had 9, one kilometre, long lines centered on the 500 m 2003 single line Zn/Au anomaly. The west

block soil lines (approximately 5 km) were positioned between the Cominco drill intercepts (1995,97) and the author's 2003, 13% Zn discovery. In addition, prospecting was done on all claims in both blocks. A helicopter was utilized in a camp move between the two blocks.

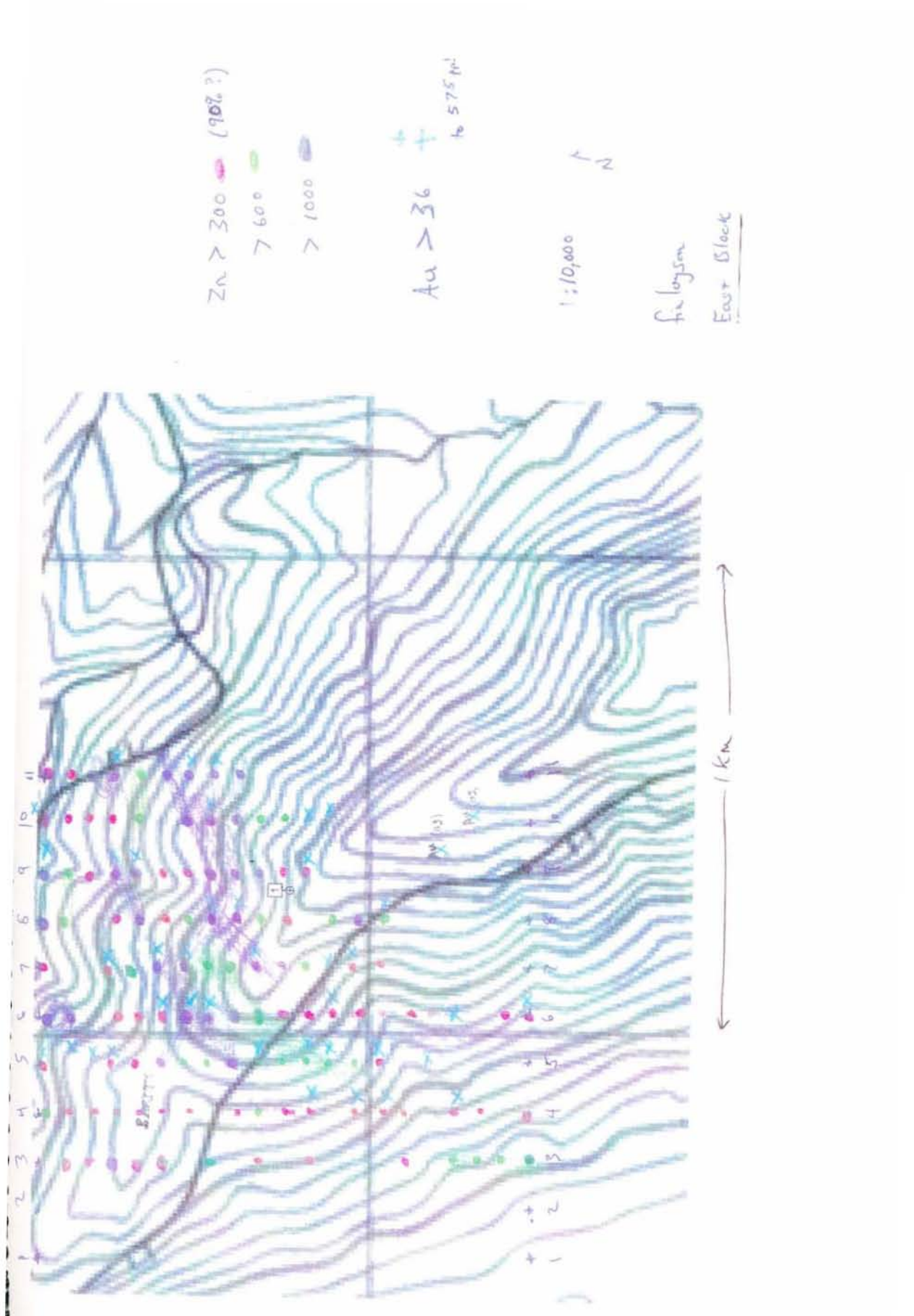
Samples were sent to ACME Labs in Vancouver, B.C. for 37-element ICP/ES (see assay sheets for methodology).

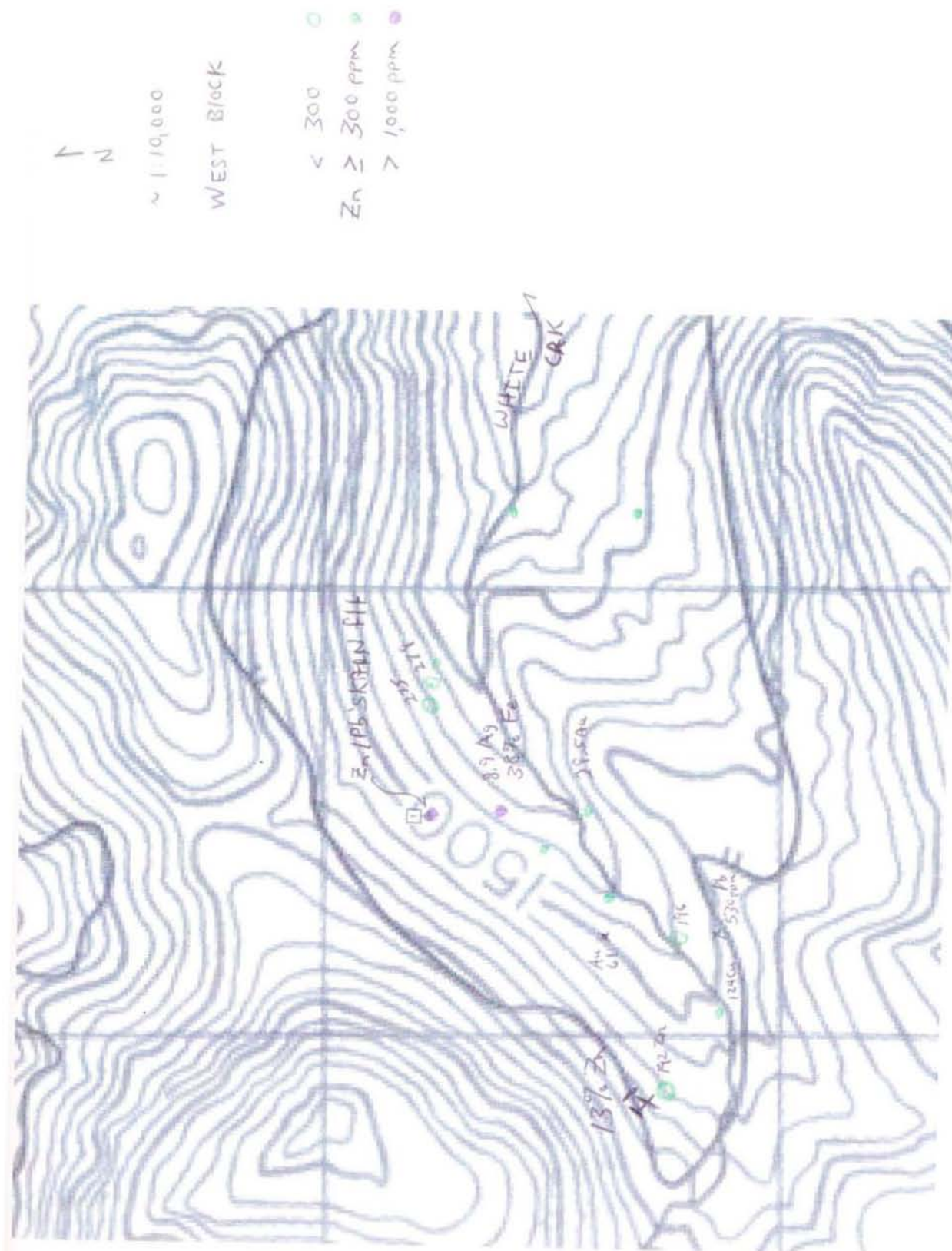
RESULTS

West Block: Scattered spot anomalies for Zn, Ag and Pb were restricted to an arc through the central portion of the grid demarked by White Creek. Other than that broad, weak pattern, two rocks, out of twelve, had anomalous values. (5RG1-3: .9137% Zn, .5935% Pb; 16E2: .138% Zn (>40% Fe). The first was a buried float boulder of very hard aphanitic rock (skarn?) with veinlets of Pb and Zn along with manganese and minor limonite. It was uncovered about halfway between the 2003 13% Zn discovery, and Cominco's 1997 drill hole that intercepted base metals in felsic volcanics; a distance of approximately 700 m from each. The later was also a buried piece of float of 'gossanous' material, found along the 'creek anomaly trend'. Two spot anomalies of Ag, 11.8 and 8.9 ppm, are in the general area of the "skarn" float as are two highest Zn soil values (see map).

A soil sample taken 10 meters below the "13% Zn" showing ran 192 ppm Zn. Line 15 had the highest gold in soils, 61 ppb, as well as the highest Pb in soils, 530 ppm. Both of these were along the 'creek' trend.

The 13% zinc area was prospected. A felsic rock, possible rhyolite, is quite common in the area in subcrop and especially in float. It is rich in pyrite cubes or the vuggy skeleton of once richly pyritic rock.





Only two soil samples ran >1,000 ppm Zn, with seven others >300 ppm Zn. The first was associated with the mineralized 'skarn' rock mentioned above.

East Block: A large area, anomalous in Zn and Au, was discovered as a result of the one kilometre square grid on the 'east claim block'. The Zn anomaly covers an area 400 m wide and 800 m wide. It is open on the east, west and north. The core, >1,000 ppm Zn, is at least 150 wide and 600 m long. Zn values range up to over 5,000 ppm. The Au anomaly seems to strike NE/SW. Thirty-eight samples, of approximately 189 samples taken, were anomalous using a 36 ppb Au value as a threshold. The highest Au value was 575 ppb.

The threshold values were determined by examining Cominco reports in the area and attempting to correlate RGS anomaly thresholds in the Finlayson area with known soil values. An anomalous Au in soil was double the same in silts.

CONCLUSIONS AND RECOMMENDATIONS

Soil sampling on the east block has delineated a 600 m x 150 m zone that is abnormally high in Zn (>1,000 ppm), Au (>36 ppb), Ag and Pb. A larger, lower grade (Zn>300 ppm), contiguous anomalous zone extends the zone another 200 meters west and 500 meters wide. The anomaly is open to the southwest, west, north and east. The anomalous area is largely covered in vegetation or, higher up, felsemer. The Cominco hole EX96-01, which returned several intervals of up to 1% Zn, is 500 meters to the east. The Akhurst showing is 2 kilometres north, and the VMS showings along the creek are 600 m to the east-southeast.

Together this blend of widespread mineralization and favourable VMS geology only fortifies Cominco's assessment that the east block holds interest as an economic VMS target.

A program of claim staking to cover the possible extension of the open-ended anomaly is recommended. This claim block should tie the two blocks of existing claims together.

REFERENCES

- Bannister, V. L., 1997. 1997 Assessment Report. EXPO, POP, FLY, et al. Geologic mapping, prospecting, diamond drilling and geochemical sampling. AR 093816.
- Berdahl, R. S., 2004. 2003 Assessment Report. Finlayson Project Prospecting and Geochemical Sampling AR #
- MacRobbie, P. A., 1995. 1994 Assessment Report. POP, BASE, HOME, RUN, BALL, FLY and BAT (EXPO Properties). Linecutting, ground geophysics (HLEM/MAG) and gravity soil geochemistry and geological mapping. AR #093338.
- Tulk, L. A., 1997. 1996 Assessment Report. EXPO Property et al. Picketing, gravel geophysics, (HLEM/MAG) soil geochemistry and geological mapping. AR 093581

APPENDIX A

SAMPLE DESCRIPTIONS

FINLAYSON

Prepared by

Ron S. Berdahl

Note: Appendix A Sample Descriptions were missing from both digital and hard copy submitted

APPENDIX B

GEOCHEMICAL SHEETS

FINLAYSON

Prepared by

Ron S. Berdahl



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	1.2	3.1	2.6	48	<1	4.3	4.3	554	1.93	<.5	2.7	<.5	4.1	62	<.1	<.1	<.1	39	.57	.083	7	12.6	.60	220	.122	1	.91	.061	.46	1.5	<.01	1.9	.3	<.05	5	<.5	15.0
3E0	35.1	131.1	84.3	715	1.7	96.7	10.3	1561	4.22	174.7	8.6	7.2	6.0	18	2.4	3.7	6.7	111	.03	.114	28	28.3	.21	729	.006	1	.98	.004	.07	.1	.09	1.8	.3	<.05	4	5.0	15.0
3E1	28.4	107.5	431.0	819	4.8	106.7	5.0	323	4.58	261.5	6.8	3.5	2.5	69	2.2	9.2	10.0	206	.15	.389	19	62.2	.21	600	.018	1	1.02	.006	.07	.2	.09	2.3	.3	.11	6	8.9	7.5
3E2	33.4	82.4	101.2	426	1.7	82.0	4.0	65	2.48	79.2	5.1	4.4	3.9	19	.8	6.9	3.6	230	.02	.078	31	18.2	.07	1075	.045	1	.60	.005	.05	.2	.02	1.3	.4	<.05	5	3.5	15.0
3E3	40.7	130.9	36.4	676	2.3	145.6	4.8	131	4.08	119.1	10.4	3.2	5.1	41	1.6	10.0	2.9	238	.06	.177	57	30.7	.28	632	.044	<1	.74	.008	.09	.1	.03	3.1	.2	.19	5	5.6	15.0
3E4	10.9	74.0	15.3	272	.6	66.9	4.4	108	1.94	65.1	2.2	6.7	1.7	23	.5	8.8	1.7	85	.05	.061	13	24.0	.08	1589	.060	1	.28	.005	.04	.3	.02	1.1	.2	.06	3	5.8	15.0
3E5	9.7	80.8	17.6	306	1.3	77.3	6.9	152	3.92	83.0	2.6	9.7	4.4	29	1.0	8.0	1.6	95	.13	.258	18	55.8	.30	1454	.067	1	.85	.007	.06	.5	.04	2.3	.2	<.05	5	3.9	15.0
3E6	4.1	36.7	17.4	161	1.8	35.1	5.7	156	2.67	40.5	1.4	3.4	5.1	18	.8	3.0	.9	72	.16	.137	18	42.8	.30	1432	.091	1	1.07	.006	.08	.2	.04	2.4	.2	<.05	6	1.6	15.0
3E7	7.7	57.9	13.9	226	1.4	59.5	4.9	277	2.37	37.7	1.8	9.1	2.9	22	.7	6.7	2.0	82	.25	.113	16	61.1	.25	1905	.140	3	.59	.006	.05	.1	.05	2.0	.2	.07	4	3.4	7.5
3E8	10.1	76.7	11.3	261	4.2	66.1	5.9	220	3.00	57.1	2.5	10.4	4.0	21	.8	7.3	1.4	85	.11	.341	15	49.0	.14	2023	.058	1	.79	.005	.05	.3	.09	1.9	.2	<.05	4	3.9	15.0
3E9	9.9	86.9	11.1	326	.8	87.7	7.0	170	3.03	55.5	2.8	12.7	3.7	32	.9	9.0	1.4	94	.25	.222	18	72.7	.45	1941	.068	1	.94	.005	.07	.3	.02	2.5	.2	.08	4	6.0	15.0
3E10	10.5	79.7	10.8	299	2.3	72.9	5.3	93	2.58	44.0	2.2	33.3	3.0	27	.7	8.1	1.5	104	.16	.177	15	45.2	.16	2000	.133	1	.50	.005	.06	.1	.04	1.9	.2	.07	4	4.7	15.0
3E11	10.8	89.8	13.2	329	2.5	80.1	6.7	140	3.20	58.1	2.3	5.9	3.8	30	.9	9.3	1.8	109	.12	.179	18	44.8	.18	1932	.068	1	.68	.005	.06	.4	.04	2.1	.2	.08	4	4.9	15.0
3E12	5.0	44.3	10.8	144	.4	32.5	3.4	70	1.50	20.5	1.4	2.6	.2	18	.5	2.4	.8	55	.05	.053	21	23.2	.10	1845	.013	<1	.85	.004	.04	.1	.02	.5	.3	<.05	4	1.5	15.0
3E13	51.9	278.6	63.3	895	3.4	189.1	57.1	930	3.52	375.6	9.0	8.8	1.0	49	15.3	38.4	1.1	199	.32	.304	26	44.9	.10	1799	.012	1	.72	.006	.08	.8	.42	1.4	.6	.08	3	18.9	15.0
3E14	24.5	193.8	17.9	763	1.9	194.3	31.4	513	3.84	226.4	4.5	19.4	3.5	55	2.9	23.2	2.8	97	.07	.135	29	30.9	.13	1606	.004	1	.72	.004	.06	.4	.09	2.9	.3	.06	2	8.2	15.0
3E15	8.8	54.3	18.9	161	2.7	35.7	3.9	56	1.73	18.0	2.2	.9	3.5	17	.5	3.0	.9	120	.04	.048	23	26.8	.08	1827	.037	1	.70	.004	.07	.2	.07	1.5	.3	.09	5	5.2	15.0
3E16	18.4	169.4	10.4	332	.4	143.0	10.1	276	3.46	37.7	2.9	.9	2.0	18	1.1	3.8	1.2	101	.07	.112	22	54.3	.14	629	.016	1	.65	.006	.06	.4	.17	2.2	.2	.09	4	5.5	1.0
RE 3E16	18.3	163.2	10.1	339	.4	138.7	10.1	270	3.39	36.9	3.0	2.2	2.0	18	1.1	3.6	1.2	100	.07	.113	22	53.7	.15	625	.016	1	.66	.006	.06	.7	.15	2.1	.2	.09	4	5.6	1.0
3E17	8.2	178.8	9.8	1905	.6	527.1	134.3	2458	7.17	46.9	4.3	5.6	2.9	60	20.7	5.0	.3	151	.59	.231	39	513.8	4.46	2068	.154	1	3.51	.004	.04	.1	.23	9.4	.4	<.05	14	11.9	15.0
3E18	7.3	93.4	16.3	437	.9	88.2	14.9	266	3.30	47.4	2.8	7.2	5.3	47	2.1	8.5	.7	56	.15	.120	24	43.2	.31	1255	.031	1	.76	.004	.08	.1	.05	2.4	.2	.11	3	5.3	15.0
3E19	5.1	97.0	17.3	310	.6	80.5	11.3	143	5.79	76.5	1.5	9.8	4.4	50	.5	7.2	.6	40	.03	.106	21	35.6	.21	642	.005	1	.67	.014	.15	<.1	.03	2.2	.3	.36	3	7.0	15.0
3E20	2.0	31.0	10.5	89	.3	18.2	3.0	52	1.75	26.0	.9	.8	.5	20	.5	2.6	.4	33	.04	.071	14	19.1	.12	406	.062	1	.55	.017	.07	<.1	.02	.8	.1	.13	3	1.8	15.0
4E0	10.9	108.4	34.9	302	3.6	65.9	4.5	136	3.10	52.0	4.3	3.4	5.3	32	1.1	5.1	4.7	90	.15	.245	28	37.7	.24	439	.047	1	.79	.004	.06	.2	.06	1.7	.1	.06	5	7.6	15.0
4E1	11.1	61.6	22.7	230	4.5	50.5	3.7	102	2.65	46.3	2.7	4.2	4.4	24	.6	4.5	2.0	92	.05	.124	25	32.7	.16	1180	.071	<1	.79	.004	.05	.1	.06	1.4	.2	<.05	6	3.7	15.0
4E2	9.9	180.7	26.4	439	2.1	105.4	15.5	293	2.75	58.6	6.6	9.4	5.6	47	1.7	7.8	1.7	55	.34	.230	23	39.5	.38	993	.043	1	1.17	.005	.05	.1	.08	2.2	.1	<.05	3	6.1	15.0
4E3	11.8	154.6	25.4	378	1.8	79.7	8.0	208	3.22	100.0	5.3	6.7	5.3	44	1.5	7.2	2.8	54	.35	.287	20	39.5	.36	1086	.038	1	.93	.004	.04	.2	.04	1.9	.1	.06	3	8.0	15.0
4E4	6.7	71.6	13.8	295	1.5	70.8	15.5	364	3.47	81.4	2.8	104.8	5.4	33	1.6	6.2	1.6	63	.31	.164	28	64.1	.60	413	.107	1	1.25	.009	.07	.2	.04	2.5	.1	.07	4	3.4	15.0
4E5	9.8	108.0	12.6	494	1.4	112.9	18.3	321	3.57	75.1	2.8	16.6	4.7	39	2.6	9.3	1.8	90	.25	.185	21	64.6	.42	2134	.070	1	.91	.005	.07	.4	.05	3.1	.2	.09	4	5.6	15.0
4E6	9.8	111.9	13.3	542	1.3	119.6	15.7	366	4.16	94.1	3.0	14.1	5.1	42	2.0	9.7	1.8	97	.32	.277	23	73.6	.50	1891	.065	1	1.07	.005	.07	.4	.04	3.2	.2	.10	4	5.7	15.0
4E7	9.0	114.9	9.3	478	1.4	114.4	18.7	409	4.24	57.3	2.7	39.8	4.4	37	1.8	7.9	2.4	104	.29	.215	20	100.2	.56	1428	.093	1	1.10	.005	.07	.3	.07	3.5	.2	.09	4	5.1	15.0
4E8	4.9	65.1	8.6	225	1.5	55.6	6.8	169	3.36	30.2	1.6	50.4	3.2	22	1.9	3.6	2.4	95	.26	.175	14	95.1	.41	1668	.172	1	.97	.006	.06	.2	.05	2.7	.1	.09	6	2.7	15.0
4E9	5.8	74.7	9.4	316	.5	73.7	10.6	282	4.59	49.3	1.9	11.8	4.4	27	1.4	4.7	2.3	102	.28	.360	17	117.5	.56	1811	.120	2	1.20	.007	.08	.2	.05	3.5	.2	.10	6	3.6	15.0
4E10	5.0	76.0	8.7	333	1.0	70.0	12.7	389	3.78	34.1	1.9	125.5	1.6	28	1.7	4.1	2.8	82	.24	.139	18	85.1	.49	1523	.107	2	1.19	.008	.07	.1	.04	2.2	.2	.11	5	3.2	15.0
4E11	19.3	202.4	16.7	757	1.7	157.9	20.5	421	4.65	40.7	5.8	10.0	5.8	68	3.1	10.1	.8	188	.39	.314	29	78.4	.36	1247	.041	2	.88	.005	.10	.3	.06	3.6	.5	.14	5	11.1	15.0
STANDARD DS6	11.7	124.7	29.5	145	.3	25.2	10.9	707	2.86	21.2	6.7	46.7	3.2	42	6.2	3.6	5.1	57	.87	.080	15	186.8	.59	177	.084	18	1.93	.074	.16	3.5	.22	3.4	1.8	<.05	7	4.5	15.0

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA DATE RECEIVED: NOV 28 2005 DATE REPORT MAILED: Dec 22/05

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.2	2.7	3.6	47	<.1	4.1	4.5	588	2.21	.5	2.8	<.5	5.4	114	<.1	<.1	.1	44	.77	.079	13	9.5	.61	260	.141	1	1.21	.146	.52	.1	<.01	2.7	.4	<.05	7	<.5	15
4E12	23.4	151.6	8.0	552	1.3	180.6	34.0	459	3.34	61.7	3.0	4.6	2.6	28	1.4	9.6	.4	81	.16	.133	28	104.2	.67	624	.009	1	1.08	.004	.09	.2	.06	3.5	.4	.11	3	7.6	15
4E13	9.0	56.1	13.3	220	.8	30.8	2.7	68	2.78	14.8	1.7	3.6	12.0	41	.4	11.6	1.5	14	.01	.073	45	7.9	.01	316	.002	1	.22	.003	.09	.2	.01	.7	.2	.18	1	2.3	15
4E14	9.2	95.9	13.5	377	.8	73.2	7.0	175	2.97	34.8	3.6	2.4	4.3	47	1.4	5.5	1.1	102	.04	.098	26	38.6	.09	1889	.016	1	.83	.003	.08	.2	.05	2.1	.3	.06	4	4.0	15
4E15	6.8	55.7	11.6	421	.9	52.8	5.6	133	2.67	26.7	2.0	3.2	4.1	42	1.6	13.4	1.4	93	.10	.085	15	35.5	.23	1972	.032	1	1.16	.004	.05	.3	.08	2.0	.2	.06	4	4.2	15
4E16	12.8	119.6	14.6	378	1.6	135.1	20.0	322	4.46	55.8	3.2	3.8	.5	70	2.1	8.9	.9	152	.26	.219	29	98.3	.84	1261	.029	2	1.34	.007	.15	.2	.10	1.6	.4	.17	6	8.0	15
4E17	17.4	156.8	14.2	541	1.3	130.8	13.6	188	4.09	67.6	5.4	3.8	4.1	98	3.0	9.0	.8	87	.27	.263	31	36.9	.20	1194	.020	2	.77	.004	.12	.3	.06	2.4	.3	.11	3	9.8	15
4E18	12.3	108.6	16.9	412	1.4	105.3	10.4	239	3.50	57.0	4.1	4.1	.4	67	1.8	8.8	1.0	121	.37	.195	28	62.5	.52	1262	.010	2	1.05	.009	.13	.2	.09	1.0	.3	.14	5	7.5	15
4E19	6.8	113.7	14.1	337	.8	207.2	64.6	1170	5.49	69.1	1.9	20.5	3.4	49	1.6	12.4	1.1	106	.55	.182	24	173.0	1.46	1399	.134	2	1.77	.009	.08	.2	.04	5.7	.3	.06	8	3.4	15
4E20	28.8	219.6	20.3	899	2.1	159.2	20.4	436	6.20	105.8	7.0	21.3	5.7	72	3.9	20.0	2.8	165	.31	.233	29	106.8	.71	679	.087	2	1.22	.007	.14	.3	.12	3.7	.5	.18	7	20.5	15
5E0	7.8	42.6	20.7	166	1.4	30.6	2.7	198	2.18	53.4	3.3	1.0	4.2	37	.6	5.4	2.2	73	.05	.100	23	23.9	.21	283	.101	<1	.56	.005	.04	.1	.02	1.2	.1	<.05	4	3.1	15
5E1	10.5	39.7	18.8	179	1.0	37.5	3.2	102	2.23	48.0	3.0	1.1	5.9	31	.6	5.2	2.1	108	.10	.114	26	32.4	.22	390	.081	1	.71	.004	.06	.2	.02	1.6	.2	<.05	6	3.3	15
5E2	8.3	79.0	12.4	288	1.7	75.5	7.7	164	3.81	57.8	2.4	12.4	5.0	35	.8	6.6	2.7	118	.22	.180	20	78.0	.37	1347	.127	2	.98	.005	.07	.2	.06	2.8	.2	.07	6	4.0	15
5E3	4.6	26.1	14.3	97	.6	22.2	2.8	94	1.81	31.8	1.7	2.7	4.8	20	.3	2.8	1.5	78	.06	.068	23	27.6	.17	230	.092	<1	.67	.003	.05	<.1	.02	1.2	.2	<.05	7	1.3	15
5E4	5.1	39.5	16.1	137	.4	34.9	5.0	289	2.48	39.8	1.9	7.5	3.5	22	.4	3.9	1.5	71	.13	.091	24	38.8	.24	390	.085	1	.73	.006	.06	.1	.02	1.5	.1	<.05	6	2.0	15
5E5	4.9	50.0	9.2	255	.8	59.2	7.1	186	2.99	26.7	1.4	248.0	4.9	30	1.6	3.7	2.4	88	.28	.145	19	83.5	.47	1628	.155	1	.89	.006	.09	.2	.04	2.5	.2	<.05	7	2.3	15
5E6	5.1	95.5	11.3	531	.6	146.3	35.4	579	4.07	57.6	1.9	25.8	6.6	78	2.7	6.7	2.2	78	1.01	.311	37	143.0	1.34	688	.130	3	1.57	.021	.08	.5	.03	3.6	.2	<.05	5	3.2	15
5E7	6.2	119.2	52.2	615	.8	144.5	10.1	151	3.54	187.4	1.8	44.1	4.9	32	2.3	17.2	1.5	74	.13	.109	36	30.9	.07	407	.052	1	.48	.004	.08	.3	.03	2.7	.3	<.05	4	4.3	15
5E8	36.3	203.6	70.4	582	6.5	128.1	8.4	142	4.21	275.0	5.8	27.2	5.9	72	2.0	11.3	5.4	144	.15	.175	35	49.0	.22	437	.079	1	.67	.005	.10	.7	.10	2.3	.4	.09	6	10.1	15
5E9	5.9	127.9	8.6	668	.8	191.1	38.0	598	5.12	27.9	3.3	80.7	4.7	65	2.4	3.6	3.0	192	.79	.326	22	169.1	1.20	1156	.136	2	1.95	.010	.12	.3	.03	4.5	.3	.12	7	4.3	15
5E10	9.0	209.2	11.1	980	1.2	284.5	48.1	493	7.91	55.5	5.6	248.5	5.5	49	2.5	8.9	4.6	107	.44	.212	27	133.5	.71	710	.143	1	1.60	.010	.08	.3	.07	5.2	.3	.11	6	6.2	15
5E11	3.5	89.0	8.5	983	.6	129.5	29.0	743	4.53	21.0	1.7	33.7	4.3	41	7.2	3.4	3.0	142	1.01	.235	23	128.4	.82	621	.130	2	1.44	.010	.10	.3	.20	4.6	.3	.07	6	2.6	15
5E12	3.5	122.6	8.5	3071	.9	227.8	51.8	1549	7.72	18.7	1.8	138.0	4.3	43	30.0	5.0	4.0	112	.96	.261	38	152.6	.80	553	.099	4	1.64	.008	.08	.1	.50	11.1	.4	.11	7	3.3	15
5E13	.9	125.8	2.4	808	.3	377.5	78.0	1297	5.76	13.0	.9	19.6	2.5	35	3.9	1.3	1.0	93	.96	.185	15	298.1	3.87	1211	.179	1	3.29	.015	.20	.1	.06	5.7	.4	<.05	10	1.1	15
RE 5E13	.8	126.7	2.6	825	.3	391.7	77.5	1361	5.93	14.1	.9	20.3	2.6	39	3.7	1.5	1.0	98	1.06	.197	16	303.0	3.94	1217	.257	3	3.48	.018	.21	.2	.06	5.9	.4	<.05	10	1.1	15
5E14	1.6	116.9	5.1	2491	.6	363.1	63.0	1497	6.88	23.7	1.0	23.7	2.6	36	16.4	2.2	2.6	117	1.12	.199	28	343.3	3.22	1054	.151	3	3.17	.022	.04	.1	.50	10.6	.3	<.05	11	2.0	15
5E15	5.1	83.8	12.0	386	.6	122.5	27.4	436	4.41	38.0	1.4	15.9	5.9	30	1.5	4.4	2.1	67	.26	.083	26	99.4	.94	609	.137	2	1.48	.011	.07	.2	.04	3.5	.3	<.05	5	3.8	15
5E16	9.4	134.2	15.5	326	1.4	121.5	16.9	287	4.37	45.3	2.3	32.7	3.6	81	1.2	21.2	4.3	116	.25	.263	21	62.7	.29	1041	.022	2	.96	.004	.08	.3	.06	3.4	.2	.07	4	7.6	15
5E17	3.3	147.8	10.4	203	.4	155.0	60.4	1331	8.73	28.6	1.5	74.4	4.8	42	.4	4.2	1.0	111	1.10	.243	28	131.3	1.24	924	.153	5	1.87	.010	.08	.3	.05	6.5	.3	.15	8	3.8	15
5E18	3.5	143.2	7.9	179	.3	148.0	57.7	783	7.26	132.8	1.1	82.6	4.1	35	.8	35.5	2.2	77	.33	.140	23	98.4	.78	538	.130	1	1.69	.010	.07	.2	.03	4.2	.3	.09	6	3.6	15
5E19	3.1	126.6	7.3	201	.6	204.7	57.8	705	7.85	63.8	1.0	43.9	4.2	52	1.0	15.2	2.3	81	.36	.202	29	164.8	1.28	719	.209	2	1.86	.014	.15	.1	.04	5.1	.5	.26	7	8.7	15
5E20	31.6	143.1	16.0	493	.8	165.0	20.1	464	5.16	223.7	3.2	15.0	1.0	50	2.1	32.5	4.3	170	.21	.153	23	92.3	.35	783	.120	2	.99	.008	.11	.1	.07	2.3	.4	.17	7	8.9	15
6E0	6.4	65.1	14.6	325	3.1	75.4	8.2	240	4.00	61.6	2.7	36.3	4.8	34	1.1	6.2	2.9	100	.36	.409	17	97.5	.57	1317	.123	2	1.21	.007	.06	.3	.10	2.7	.2	.08	6	3.8	15
6E1	15.2	127.5	30.6	352	2.0	94.4	6.6	244	4.41	103.2	6.8	9.7	5.8	37	.9	7.0	1.3	101	.18	.216	29	52.1	.87	335	.113	1	1.69	.006	.05	.1	.05	3.4	.2	.07	4	5.2	15
6E2	10.6	43.9	19.4	140	1.5	39.9	3.9	292	2.32	47.9	2.7	2.6	2.4	24	.4	5.0	1.6	113	.12	.099	23	38.5	.18	374	.098	1	.66	.007	.08	.1	.04	1.6	.3	.09	6	3.0	15
STANDARD DS6	11.7	125.6	29.9	144	.3	25.2	11.0	715	2.86	21.4	6.7	50.8	3.8	51	6.2	3.6	5.1	58	.88	.080	16	191.0	.60	170	.087	19	1.98	.076	.17	3.4	.23	3.4	1.8	<.05	7	4.4	15

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.3	2.1	2.9	44	<.1	3.7	4.1	567	2.17	.5	2.4	<.5	4.3	86	<.1	<.1	<.1	43	.65	.080	9	9.2	.60	245	.146	2	1.16	.130	.52	.1	<.01	2.3	.3	<.05	6	<.5	15.0
6E3	8.3	48.6	17.2	136	.6	36.6	3.9	103	2.55	65.9	2.1	6.1	4.2	18	.4	5.9	1.3	68	.06	.089	20	26.6	.20	183	.084	1	.56	.005	.05	.2	.04	1.4	.1	.07	4	3.8	15.0
6E5	4.3	92.1	14.6	372	.7	81.8	15.6	326	5.43	62.9	1.9	23.7	3.0	36	1.1	7.1	3.6	62	.12	.151	26	93.2	.56	557	.127	2	1.28	.011	.09	.1	.10	4.0	.4	.20	4	4.8	15.0
6E6	3.4	99.6	11.6	236	1.0	102.2	19.5	469	5.05	24.7	1.1	10.0	2.1	27	1.3	5.1	4.3	64	.26	.150	17	92.7	.73	391	.220	2	1.24	.012	.20	.1	.12	3.6	.2	.22	5	5.9	15.0
6E7	2.6	169.7	4.3	484	.3	419.3	178.6	1700	8.48	31.5	.6	83.3	2.9	31	1.4	5.7	.8	88	.40	.267	18	153.8	1.39	570	.225	1	2.63	.011	.05	.1	.04	9.0	.2	.08	7	1.4	15.0
6E8	1.7	54.4	8.6	524	.2	163.6	42.4	1397	4.75	17.6	.8	4.6	1.6	35	1.5	5.1	1.9	104	.79	.178	25	213.4	1.95	854	.128	2	2.07	.009	.07	.3	.04	4.6	.2	<.05	8	1.1	15.0
6E9	1.8	59.6	8.6	423	.3	156.5	48.2	753	5.20	29.5	.8	10.7	2.9	31	1.4	2.9	2.4	56	.83	.115	14	149.5	1.32	511	.209	4	1.62	.011	.12	.3	.02	3.4	.2	.17	5	2.6	15.0
6E10	4.7	80.6	13.3	316	1.3	109.5	21.4	342	4.02	28.3	1.1	4.0	3.2	27	1.3	3.7	1.6	77	.28	.109	15	76.8	.59	453	.112	2	1.39	.007	.10	.3	.05	3.2	.2	.06	6	3.0	15.0
6E11	10.4	194.3	16.5	777	1.5	438.9	79.7	1750	6.82	48.4	3.3	17.1	1.5	35	5.8	19.9	3.8	171	1.19	.247	39	149.4	.82	1057	.043	2	1.32	.006	.05	.2	.47	8.5	.5	.10	5	7.2	15.0
6E12	3.6	157.4	10.6	4513	1.2	150.5	38.5	1155	9.35	54.3	1.3	369.6	4.6	41	34.9	12.0	16.0	88	.72	.214	38	98.7	.25	411	.092	3	.81	.022	.22	.2	1.75	9.3	.7	.60	5	9.1	15.0
6E13	2.1	153.8	9.9	5089	1.0	284.1	67.3	1620	8.72	21.4	1.5	575.9	5.0	36	34.2	5.2	6.6	69	.45	.162	41	68.0	.32	613	.066	2	.94	.008	.11	.2	.57	10.9	.7	.22	4	5.3	7.5
6E14	2.3	199.6	5.1	1564	.6	257.3	52.9	765	6.99	49.3	.9	261.9	3.7	44	7.6	2.7	4.0	96	.58	.230	27	232.7	2.84	912	.301	1	2.54	.016	.23	.1	.05	7.2	.6	.21	10	6.4	15.0
6E15	3.1	118.1	9.1	330	.7	110.1	36.4	449	5.45	67.3	.9	27.4	2.8	45	1.9	4.2	1.8	71	.22	.171	21	130.5	1.03	900	.310	<1	1.50	.017	.12	<.1	.04	5.9	.3	.24	5	9.5	15.0
6E16	12.3	131.4	16.6	411	.8	111.1	20.9	270	3.78	57.9	2.3	7.5	6.5	57	1.7	8.8	1.2	54	.23	.159	29	62.8	.48	1149	.093	1	.96	.005	.07	.2	.07	3.5	.3	.13	3	6.4	15.0
6E17	9.6	121.1	7.2	410	.6	143.0	21.1	434	4.00	53.1	1.8	13.6	3.7	29	2.3	8.8	1.0	64	.16	.100	23	93.7	.77	642	.035	1	.90	.005	.05	.2	.07	3.6	.2	.07	3	5.0	15.0
6E18	3.2	83.3	6.2	159	.5	147.6	34.3	1074	5.36	55.4	1.3	24.3	.4	21	1.1	13.0	4.0	89	.25	.170	26	152.6	1.34	904	.023	1	1.80	.008	.05	.1	.02	2.9	.3	.10	8	3.7	15.0
6E19	12.3	136.0	34.1	1069	2.7	196.8	19.9	1085	3.60	73.1	4.6	21.2	1.0	60	8.5	17.6	1.0	169	.57	.182	16	55.3	.26	1208	.021	1	1.24	.006	.06	.1	.13	4.1	.2	.15	3	5.6	15.0
6E20	72.0	587.2	40.7	2045	4.0	557.8	32.6	1191	7.85	444.1	13.4	7.2	1.7	103	15.6	77.4	7.1	294	.36	.447	34	89.7	.14	2800	.008	1	.68	.004	.05	.6	.10	5.9	.4	.09	3	23.4	15.0
7E0	11.8	72.9	88.9	242	3.7	48.0	3.8	214	2.36	80.6	3.9	2.0	.4	28	1.0	7.3	4.9	80	.08	.139	19	25.0	.13	1149	.026	1	.43	.007	.06	.2	.08	.9	.2	.13	3	5.5	7.5
7E1	9.3	61.1	19.9	153	1.2	39.8	3.0	140	1.86	111.5	3.8	1.3	.4	24	1.2	6.1	1.6	87	.12	.112	17	31.1	.16	441	.022	1	.44	.007	.06	.2	.09	1.0	.2	.14	3	4.7	7.5
7E2	19.5	45.8	14.3	113	.7	35.3	3.3	278	1.73	119.5	6.4	2.1	.8	17	.4	6.4	2.3	180	.07	.076	17	28.7	.13	352	.064	1	.42	.006	.06	.1	.04	.9	.2	.08	4	4.3	15.0
7E3	8.7	40.4	11.0	89	.7	20.7	2.8	74	1.79	44.1	1.2	1.7	.6	8	.3	6.8	.9	49	.03	.060	23	20.4	.02	147	.012	1	.27	.004	.04	.1	.05	.5	.1	.06	2	3.4	15.0
7E4	3.7	28.9	8.0	50	.2	11.8	2.7	138	1.77	42.2	1.3	.5	.9	9	.2	4.6	1.0	36	.04	.087	14	16.8	.10	103	.024	<1	.55	.008	.03	.1	.02	.8	.1	<.05	3	1.9	15.0
7E5	4.5	78.5	10.2	129	.6	43.2	11.3	316	3.28	56.3	2.1	11.0	5.5	24	.6	6.6	1.6	44	.10	.139	26	55.2	.37	503	.090	1	.91	.010	.08	.1	.06	2.6	.2	.13	3	5.1	15.0
7E6	2.8	83.6	10.3	388	.7	85.5	13.9	274	5.17	57.6	1.4	16.8	4.0	29	1.7	5.5	4.1	60	.20	.146	24	102.4	.71	469	.192	1	1.33	.014	.09	<.1	.08	4.1	.3	.16	5	3.3	7.5
7E7	2.0	118.3	5.8	549	.4	135.4	24.0	475	5.64	23.1	.9	44.6	4.1	34	1.7	5.0	4.8	95	.40	.204	20	161.3	1.21	410	.279	1	1.86	.016	.21	.3	.10	4.6	.4	.17	8	5.7	15.0
7E8	2.1	115.6	7.6	245	.5	102.0	23.4	334	7.59	12.4	.7	38.9	3.6	40	.9	2.0	7.4	86	.20	.176	18	129.3	1.31	465	.332	1	1.86	.019	.26	.1	.23	4.4	.4	.34	7	10.9	15.0
7E9	1.2	74.7	7.6	648	.6	243.6	44.3	713	6.69	19.0	.5	11.9	3.1	70	1.5	2.7	4.7	99	.87	.271	30	252.8	2.71	1063	.269	2	2.58	.016	.22	1.0	.08	6.6	.5	.25	9	3.8	15.0
7E10	3.4	120.8	15.4	1815	.6	571.7	85.2	1548	7.62	48.7	1.6	10.8	5.4	54	6.1	15.5	3.1	130	1.18	.309	70	341.7	2.46	1095	.097	2	2.51	.006	.08	.2	.09	14.3	.3	.10	9	3.5	7.5
7E11	19.9	324.5	15.9	2164	1.2	328.8	84.3	1888	11.52	28.0	1.4	56.7	4.4	27	19.3	5.8	11.2	91	.80	.202	31	120.9	.53	658	.068	1	.92	.004	.05	.5	1.07	11.2	.7	.08	5	5.2	1.0
RE 7E11	20.4	324.4	15.8	2235	1.2	327.5	84.3	1860	11.66	27.8	1.3	59.1	4.5	27	17.8	5.7	11.1	90	.75	.203	31	121.3	.53	659	.068	1	.95	.004	.05	.2	1.03	11.0	.6	.08	5	5.0	1.0
7E12	2.7	133.1	6.8	775	.7	360.7	49.8	1210	7.05	38.4	1.1	28.8	2.7	22	2.0	8.3	2.7	74	1.04	.148	21	175.3	1.49	1918	.097	2	1.93	.005	.11	.2	.20	10.0	.2	.09	6	2.9	7.5
7E13	5.9	141.3	7.0	838	1.7	260.8	47.5	1124	4.40	32.4	2.9	13.4	1.6	50	3.4	8.6	1.3	71	1.10	.416	18	110.8	.97	754	.057	2	1.35	.017	.06	.2	.16	4.6	.2	.08	4	3.2	7.5
7E14	6.8	181.4	10.9	2055	2.5	246.3	32.9	1081	5.27	57.4	3.9	51.5	1.6	56	14.6	27.9	2.2	92	1.44	.453	27	111.8	.46	814	.032	3	.86	.013	.05	.3	.55	6.9	.3	.17	3	6.9	15.0
7E15	7.5	140.4	10.8	1476	1.3	292.3	47.5	1035	6.25	51.3	3.2	58.8	3.7	53	9.1	15.6	2.5	113	1.04	.291	27	166.5	1.34	1057	.116	2	1.57	.009	.12	.2	.37	7.4	.4	.20	6	7.1	15.0
STANDARD DS6	11.6	124.0	29.3	143	.3	25.0	10.9	701	2.82	21.3	6.6	45.7	3.0	40	6.2	3.5	5.0	56	.85	.079	13	185.5	.58	164	.079	17	1.89	.073	.15	3.7	.22	3.2	1.8	<.05	6	4.3	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL

Berdahl, Ron

FILE # A507782

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ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.2	1.8	3.3	43	<.1	3.6	4.0	526	2.08	<.5	2.3	.8	3.5	76	<.1	<.1	.1	40	.57	.074	7	8.2	.58	230	.129	1	1.06	.122	.52	<.1	<.01	2.2	.3	<.05	5	<.5	15
7E16	29.3	158.7	19.0	714	2.1	118.0	9.7	194	3.45	73.7	5.1	6.9	5.5	54	4.4	18.5	1.5	63	.18	.119	28	30.3	.20	704	.010	1	.49	.004	.09	.4	.12	2.7	.4	.20	1	9.8	15
7E17	17.2	122.3	16.6	398	1.4	103.8	11.5	188	3.54	59.1	4.4	35.4	2.2	59	2.1	12.3	.8	78	.14	.133	29	48.1	.25	999	.010	1	.51	.007	.12	.3	.07	1.8	.3	.27	2	8.1	15
7E18	14.5	93.8	13.1	261	1.2	63.3	5.4	113	2.85	38.6	3.5	9.0	2.0	42	.8	10.0	.9	43	.08	.103	28	25.0	.22	612	.006	1	.50	.005	.10	.2	.09	1.0	.2	.23	2	5.4	15
7E19	4.8	70.9	7.1	204	.9	53.9	3.3	53	1.23	37.9	1.6	1.8	.1	16	.7	12.3	.5	17	.10	.098	8	9.6	.03	349	.004	1	.25	.013	.03	.1	.03	.2	.1	.06	1	3.1	15
7E20	19.9	103.9	17.5	448	.9	91.4	7.0	180	2.88	93.2	4.2	3.7	6.7	29	2.9	13.9	.3	45	.11	.063	21	11.5	.08	733	.002	1	.21	.003	.04	.3	.08	2.3	.3	.08	<.1	5.7	15
8E0	12.2	102.0	30.3	192	1.5	58.0	8.7	185	3.18	176.4	9.1	8.9	5.7	33	1.2	8.2	1.3	128	.17	.233	28	47.6	.54	453	.032	1	1.08	.004	.07	.3	.07	2.7	.3	.06	3	7.2	15
8E1	11.5	71.3	48.3	93	2.0	25.4	3.1	100	2.70	131.6	6.1	4.0	3.3	47	.9	9.9	1.6	125	.09	.217	25	58.8	.43	555	.043	1	.91	.007	.10	.2	.07	2.0	.4	.14	4	9.5	15
8E2	11.6	97.6	18.3	175	2.3	37.9	7.8	191	2.83	171.7	8.7	12.7	3.7	24	1.7	11.9	1.8	99	.16	.150	25	42.2	.44	325	.041	1	1.05	.005	.07	.3	.11	2.2	.2	.09	3	7.4	15
8E3	5.2	33.4	17.4	44	.9	9.3	1.9	36	1.89	104.7	1.0	12.9	1.5	10	.2	11.1	1.4	31	.01	.057	22	18.7	.04	222	.006	1	.43	.002	.05	.2	.07	.8	.2	<.05	2	2.9	15
8E4	4.8	41.4	11.8	62	.3	15.0	4.1	112	2.47	56.3	1.5	6.3	2.7	10	.3	8.6	1.1	39	.03	.066	19	17.7	.10	125	.015	1	.54	.002	.03	.1	.04	1.2	.1	<.05	2	2.4	15
8E5	4.1	53.9	12.5	78	.6	19.0	4.6	132	3.02	77.6	2.0	7.5	5.1	26	.4	7.1	2.2	37	.09	.123	22	33.8	.23	375	.045	1	.74	.006	.05	.1	.06	2.4	.2	.11	3	5.0	15
8E6	4.9	108.2	17.2	674	1.0	57.6	21.2	351	7.15	86.6	2.4	39.4	7.4	42	2.6	14.8	7.6	70	.11	.146	29	85.3	.17	355	.127	<.1	.75	.007	.09	.1	.33	5.5	.6	.20	4	11.3	15
8E7	4.2	493.8	11.4	2495	2.3	479.2	92.2	4267	11.98	34.4	5.5	19.8	4.1	64	21.2	34.3	3.9	112	3.57	.806	42	194.2	1.08	719	.016	1	1.09	.004	.04	.2	.44	15.4	.4	.23	2	6.2	15
8E8	3.0	93.2	9.6	831	.5	80.5	16.1	393	9.26	75.5	1.1	26.0	2.9	24	.9	8.1	3.0	72	.28	.138	18	86.8	.62	275	.173	1	1.24	.014	.06	.2	.22	3.8	.2	.15	5	6.7	15
8E9	1.6	90.5	10.2	226	.6	76.7	14.6	313	8.12	26.6	.9	30.8	2.9	54	.9	3.9	3.1	97	.16	.161	21	107.7	.91	509	.392	1	1.70	.017	.29	.1	.06	4.2	.5	.49	7	6.6	15
8E10	2.8	185.1	14.3	471	.7	300.9	96.4	1459	8.81	26.6	.7	17.3	3.7	35	.9	6.9	10.7	86	.51	.165	21	114.9	1.67	939	.196	<.1	2.00	.008	.19	.1	.09	7.3	.3	.14	8	5.2	15
8E11	2.7	192.9	10.1	606	.6	490.8	144.6	2313	10.00	50.0	.8	15.7	2.9	36	3.0	13.4	2.7	125	1.15	.309	36	187.4	1.31	538	.093	2	2.11	.007	.12	.1	.31	14.9	.6	.13	6	4.7	15
8E12	5.5	175.4	21.4	1551	1.3	392.1	95.8	3250	8.49	109.1	1.9	39.6	3.4	34	10.9	27.0	11.8	135	1.42	.357	35	215.9	1.31	671	.069	1	1.44	.005	.10	.4	.64	12.0	.7	.10	5	6.0	15
8E13	3.8	116.2	10.3	1332	.6	235.7	69.1	2421	8.72	39.4	1.8	323.2	2.6	37	7.2	10.5	4.5	102	1.42	.304	23	155.8	.89	698	.132	3	1.47	.007	.07	.4	.45	8.5	.3	.10	5	4.0	15
8E14	2.2	99.3	4.5	697	.4	213.0	49.8	1023	5.95	40.6	1.0	9.5	2.7	23	2.4	7.2	.8	100	.76	.230	19	190.1	1.79	543	.145	1	1.94	.005	.11	.1	.16	6.9	.4	.06	7	1.8	15
8E15	3.3	128.1	7.8	398	.8	267.5	32.6	539	5.89	57.2	1.4	11.5	2.7	43	1.5	6.8	1.8	161	.36	.168	22	250.3	1.63	1424	.230	1	1.99	.007	.14	.1	.09	7.0	.5	.15	9	4.7	15
8E16	23.3	188.5	9.4	1519	2.0	250.2	17.5	537	4.79	109.0	7.1	9.6	8.0	90	10.9	14.4	1.2	136	.78	.432	25	57.0	.49	322	.011	2	1.23	.005	.23	.4	.05	4.7	.7	.28	4	9.7	15
8E17	13.1	89.8	12.6	417	.8	89.3	10.7	189	3.38	36.5	3.3	12.8	6.8	50	1.9	9.8	.8	57	.21	.131	27	40.8	.38	695	.047	1	.64	.004	.12	.2	.05	2.1	.2	.25	2	4.9	15
8E18	10.4	68.7	14.8	267	1.0	56.3	5.8	134	3.10	30.0	3.0	7.3	3.3	55	1.0	6.4	.8	50	.12	.108	34	36.4	.34	633	.023	2	.65	.005	.15	.3	.05	1.3	.3	.31	2	4.8	15
8E19	26.7	218.2	15.8	839	3.6	242.0	13.4	269	4.12	223.3	9.0	18.4	3.3	58	3.9	31.3	.7	115	.34	.269	52	41.6	.20	551	.023	1	.73	.003	.07	.3	.15	3.7	.3	.11	3	12.3	15
RE 8E19	27.7	216.5	15.8	824	3.7	236.5	13.4	263	4.09	222.1	8.7	10.5	3.2	59	3.5	31.8	.7	111	.33	.265	52	41.9	.20	528	.022	1	.71	.003	.06	.4	.14	3.9	.3	.08	2	12.2	15
8E20	28.5	353.7	21.7	1236	3.6	417.3	42.1	512	5.43	344.2	21.6	13.2	5.8	67	5.6	55.4	2.9	264	.53	.467	56	76.5	.62	2122	.043	1	1.60	.004	.05	.5	.06	6.5	.3	.09	3	11.3	15
10E0	3.6	59.4	13.3	96	.5	19.2	3.0	84	3.31	32.8	1.5	8.9	1.7	16	.3	7.5	.9	42	.03	.093	29	34.7	.09	191	.051	<.1	.66	.003	.05	<.1	.06	1.5	.1	.09	3	2.7	15
10E1	53.6	165.7	24.4	261	2.2	54.1	13.4	299	6.82	409.4	16.2	6.1	7.2	70	2.7	36.0	3.3	210	.06	.335	70	84.7	.31	943	.048	1	1.02	.006	.11	.3	.38	6.6	.4	.24	4	17.3	15
10E2	1.8	33.3	12.1	59	.2	15.1	3.8	119	2.43	74.8	.9	13.0	3.1	9	.3	7.2	1.2	37	.03	.040	21	31.5	.17	78	.030	<.1	.68	.003	.03	.2	.04	1.6	.1	<.05	3	1.4	15
10E3	2.7	42.0	13.9	80	.3	18.3	4.1	102	2.30	24.3	1.2	3.7	1.6	9	.4	5.5	.4	35	.03	.054	23	22.9	.13	118	.019	1	.72	.004	.05	.1	.07	1.0	.1	.08	3	1.6	15
10E4	1.8	36.7	13.3	71	.2	22.4	6.3	200	2.29	12.5	.9	<.5	4.2	15	.4	2.5	.3	31	.09	.058	22	23.5	.29	146	.026	1	1.00	.004	.05	.2	.06	1.5	.1	<.05	3	1.2	15
10E5	2.8	60.4	19.2	75	.3	14.9	3.5	171	3.18	25.8	1.1	4.6	2.8	13	.3	4.5	.7	31	.03	.085	29	20.3	.17	149	.012	1	.75	.004	.06	.1	.06	1.0	.1	.07	3	2.2	15
10E6	2.8	28.4	20.1	44	.4	9.4	2.7	90	2.57	20.8	.8	3.6	.8	11	.1	3.3	.5	38	.02	.063	23	19.4	.12	88	.016	1	.73	.003	.04	.1	.06	.7	.1	<.05	4	2.0	15
STANDARD DS6	11.7	124.3	29.5	143	.3	24.9	10.9	706	2.85	21.2	6.7	47.3	3.1	41	6.1	3.6	5.1	56	.86	.079	13	185.7	.58	166	.078	19	1.92	.074	.15	3.7	.23	3.2	1.8	<.05	6	4.3	15

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti ppm	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.2	2.0	3.2	46	<1	4.0	4.4	594	2.24	<.5	2.6	<.5	4.4	94	<.1	<.1	.1	44	.69	.081	10	9.3	.64	259	.147	2	1.25	.149	.57	.1	<.01	2.5	.3	<.05	6	<.5	15.0
10E8	1.9	165.6	16.2	63	2.3	20.7	4.7	154	8.14	128.9	.7	281.2	2.6	30	.2	4.5	20.4	76	.05	.185	16	105.0	.89	314	.315	1	1.41	.033	.08	.2	.06	5.1	.3	.26	12	20.9	15.0
10E9	2.6	117.0	9.8	99	1.0	30.3	8.0	159	7.09	27.4	1.0	50.4	3.5	30	.7	4.8	15.7	58	.07	.179	18	79.5	.54	437	.280	1	.94	.037	.08	.4	.10	5.0	.2	.30	6	20.9	15.0
10E10	16.3	306.4	17.5	788	4.0	284.0	9.9	116	6.93	106.7	18.7	15.4	.1	124	1.1	116.0	2.4	96	.11	.467	26	71.7	.07	837	.003	2	.73	.014	.11	.2	.15	.4	.6	.29	3	21.7	7.5
10E11	18.8	165.4	24.9	995	3.9	215.4	42.2	1750	3.43	42.6	6.6	4.7	.3	21	3.7	27.1	1.0	306	.09	.271	13	41.4	.11	936	.004	2	1.01	.009	.07	.2	.28	.7	.6	.09	3	10.9	7.5
10E12	10.0	204.1	14.2	1534	3.1	251.6	30.5	834	5.57	151.6	5.7	9.6	1.5	46	12.9	49.3	1.2	146	1.10	.312	28	116.3	.29	719	.010	3	.83	.006	.07	.1	.46	9.6	.3	<.05	3	5.3	15.0
10E13	4.1	173.0	13.8	5497	2.0	201.1	26.6	1742	6.16	83.9	2.4	38.6	1.5	36	53.3	33.9	4.4	92	1.50	.249	33	119.8	.37	708	.019	3	.80	.007	.05	.2	3.18	8.8	.3	.13	3	5.5	7.5
10E14	2.1	105.0	5.5	1190	.4	267.0	66.6	1032	5.05	34.6	.7	16.3	1.8	34	7.2	5.6	.9	82	1.10	.200	19	214.5	2.06	777	.133	1	2.15	.012	.31	.2	.16	6.3	.6	<.05	7	1.3	15.0
10E15	2.2	83.6	5.4	350	.4	210.0	71.4	1046	5.47	46.8	.9	9.9	1.7	39	1.5	8.1	2.1	83	.63	.173	15	209.9	1.61	945	.224	1	2.03	.014	.12	.1	.11	5.5	.4	.11	7	3.6	15.0
10E16	18.6	219.4	12.7	877	.7	345.5	48.0	577	7.63	223.3	7.9	22.0	6.7	45	3.4	27.8	2.9	174	.31	.217	37	127.5	.85	937	.128	1	1.57	.013	.11	.2	.04	4.7	.3	.15	4	7.1	15.0
10E17	18.6	154.7	18.9	505	1.4	164.5	29.3	531	5.20	171.4	5.3	19.3	5.6	49	2.5	25.5	2.0	92	.28	.218	29	84.7	.52	548	.122	1	1.04	.009	.09	.3	.06	3.2	.3	.11	4	6.7	15.0
10E18	13.5	93.0	23.1	378	1.4	102.1	12.9	302	3.55	222.2	2.9	11.3	2.7	29	1.8	21.4	1.9	94	.19	.154	19	59.5	.28	622	.121	1	.86	.007	.05	.1	.06	2.3	.2	<.05	5	3.6	15.0
10E19	22.6	71.8	25.9	322	1.3	84.4	7.1	132	2.93	147.2	2.0	7.9	1.7	21	.6	16.9	1.8	87	.05	.109	21	27.7	.10	331	.041	1	.61	.005	.04	.3	.04	1.4	.2	<.05	4	3.6	15.0
10E20	12.2	143.7	24.0	393	1.6	118.0	12.0	167	3.73	346.6	3.5	47.4	1.8	31	1.3	14.1	3.9	62	.14	.223	24	29.9	.29	221	.011	1	.68	.009	.06	.3	.03	4.1	.2	.08	3	5.6	15.0
11E0	2.8	71.4	36.9	279	.4	37.5	12.4	217	5.13	25.2	1.4	6.6	4.6	44	.3	19.3	.7	23	.01	.114	35	15.0	.05	433	.004	1	.55	.002	.08	<.1	.08	1.8	.2	.09	2	3.4	15.0
11E1	2.9	63.1	10.8	59	.1	11.6	3.1	89	3.46	24.7	1.3	4.6	1.8	8	.2	5.9	.4	35	.03	.077	28	28.5	.16	93	.014	1	.81	.002	.05	.1	.06	1.1	.1	<.05	4	2.0	15.0
11E2	1.1	65.0	10.8	167	.3	39.0	8.7	175	3.82	21.4	.8	4.9	1.1	17	.6	3.5	.7	43	.03	.068	20	84.2	.47	240	.013	1	1.47	.003	.05	.1	.02	2.9	.1	<.05	5	1.4	15.0
11E3	3.0	72.4	40.3	112	.4	20.2	4.4	93	2.38	16.0	1.1	7.1	7.2	13	.4	5.0	.2	18	.01	.045	41	20.6	.08	144	.003	1	.44	.002	.09	<.1	.26	1.6	.1	.06	1	1.4	15.0
11E4	4.3	78.3	20.4	155	.4	40.2	10.0	173	3.24	34.4	1.7	8.5	6.6	24	.7	6.8	.5	33	.08	.102	33	38.1	.26	650	.028	1	.81	.004	.06	.2	.06	2.1	.2	.09	3	2.9	15.0
11E5	4.5	86.4	22.5	158	.5	37.8	10.9	179	3.48	33.6	1.9	8.8	7.3	27	1.0	6.9	.5	32	.07	.115	35	34.2	.24	648	.026	1	.77	.003	.07	.1	.07	2.0	.1	.09	3	3.1	15.0
11E6	6.2	73.6	38.0	66	1.2	10.0	1.7	61	4.78	91.5	2.2	14.9	7.0	40	.2	26.7	1.7	52	.01	.179	36	35.1	.15	413	.042	1	.54	.004	.09	.1	.09	3.3	.7	.16	3	10.5	15.0
11E7	4.3	93.5	20.5	129	1.1	27.9	4.3	92	6.61	24.2	3.3	30.8	6.9	80	.4	9.8	12.6	96	.04	.234	37	112.9	.40	506	.194	1	1.06	.021	.10	.1	.56	10.2	.6	.36	8	9.1	15.0
11E8	7.5	92.2	16.8	168	.7	43.8	11.1	175	6.37	86.9	2.5	10.4	8.7	60	.5	25.7	11.1	50	.03	.183	42	96.2	.76	374	.083	<1	1.03	.010	.12	.1	.12	5.1	.4	.33	4	11.8	15.0
11E9	6.9	122.2	13.2	167	.8	120.8	23.5	396	6.96	125.6	1.8	18.6	3.9	43	.5	22.5	36.7	62	.03	.161	33	129.9	.90	333	.091	1	1.52	.009	.09	.1	.06	4.0	.2	.25	5	8.2	7.5
RE 11E9	6.7	123.0	13.5	160	.8	118.2	23.1	388	6.92	124.5	1.7	16.5	3.7	42	.5	23.0	35.5	61	.03	.164	32	128.4	.88	335	.087	1	1.50	.008	.08	.1	.07	3.9	.2	.22	5	8.2	7.5
11E10	1.7	112.6	5.6	118	.4	130.8	28.9	487	7.07	26.2	.6	14.2	3.2	32	.3	8.2	1.6	71	.15	.237	30	111.8	1.15	344	.175	1	2.13	.012	.09	.1	.08	7.1	.2	.18	6	2.3	15.0
11E11	2.0	137.6	7.5	140	1.0	100.0	12.8	198	4.37	28.0	1.0	16.1	1.3	24	.3	13.2	1.2	51	.16	.184	22	84.8	.75	389	.140	1	1.66	.020	.08	.1	.10	5.4	.3	.18	4	2.3	15.0
11E12	7.6	218.9	20.6	4233	1.6	524.2	58.9	1659	6.83	100.0	3.5	22.4	6.4	47	30.5	23.4	1.7	94	.78	.310	42	108.1	.63	655	.054	2	1.17	.005	.09	.1	.42	10.6	.5	.16	4	4.8	15.0
11E13	8.2	173.5	50.0	5294	2.1	312.1	63.3	2879	7.81	222.7	4.2	37.4	4.7	45	36.2	39.8	5.8	126	1.02	.329	34	128.6	.48	708	.046	2	1.00	.005	.07	.2	2.26	11.6	.6	.12	4	6.5	15.0
11E14	3.6	95.6	21.8	1480	.3	95.1	27.6	687	8.67	69.3	1.2	69.6	2.3	31	3.9	9.3	12.8	70	.35	.124	16	67.6	1.51	245	.113	1	2.28	.010	.06	.1	.11	3.4	.2	.14	6	2.2	15.0
11E15	1.9	136.1	8.9	1467	.7	308.7	82.7	1375	6.82	2373.9	1.1	33.4	1.6	29	8.1	66.3	11.1	81	.46	.153	19	177.0	1.60	1902	.083	2	1.89	.008	.06	.1	.22	9.7	.3	.07	7	3.7	15.0
11E16	4.9	91.1	12.1	885	.5	128.9	25.5	568	6.41	649.0	1.4	18.9	3.2	32	4.5	27.4	4.7	70	.29	.141	19	95.9	.66	555	.132	1	1.25	.008	.07	.3	.03	3.4	.2	.12	5	3.4	15.0
11E17	5.4	114.2	10.6	1172	.6	144.3	27.1	615	5.69	348.9	2.6	90.3	4.0	36	7.4	17.2	4.2	64	.45	.179	20	93.8	.67	909	.140	<1	1.10	.009	.07	.3	.06	4.2	.2	.13	4	3.8	15.0
11E18	14.4	175.6	14.3	1795	.7	298.7	46.0	1631	6.92	883.2	6.5	28.5	4.5	38	16.4	38.0	4.4	92	.52	.229	24	112.8	.91	765	.098	1	1.22	.006	.07	.3	.15	7.8	.2	.10	4	3.5	15.0
11E19	6.9	80.5	9.5	422	.9	94.3	17.3	460	3.27	192.6	2.7	12.6	.8	20	2.2	13.2	2.4	64	.19	.123	17	68.1	.39	576	.085	<1	.92	.013	.05	.2	.06	2.9	.2	.13	4	2.5	15.0
STANDARD DS6	11.7	124.7	29.2	143	.3	25.1	10.7	701	2.83	21.1	6.6	46.9	3.0	41	6.2	3.6	5.0	57	.86	.079	14	187.0	.58	164	.082	17	1.91	.074	.17	3.6	.23	3.3	1.8	<.05	6	4.5	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.1	2.3	3.1	44	<.1	4.1	4.5	590	2.17	<.5	2.5	1.2	4.1	92	.1	<.1	.1	44	.70	.079	9	9.1	.63	251	.157	1	1.23	.137	.55	.1	<.01	2.4	.4	<.05	5	<.5	15.0
11E20	30.0	221.5	39.2	588	1.4	228.6	23.7	594	4.09	221.1	8.7	10.0	7.3	47	4.0	19.2	1.8	189	.43	.240	47	70.6	1.08	768	.032	1	1.11	.003	.07	.3	.11	6.5	.3	<.05	4	7.4	15.0
13E0	4.8	52.2	67.3	158	.7	18.7	4.7	135	3.78	47.9	1.2	8.6	2.2	14	.2	2.2	.7	27	.11	.075	26	15.1	.18	147	.005	1	.79	.003	.04	.1	.03	.8	.1	<.05	3	2.9	15.0
13E1	2.5	19.5	34.4	52	.6	7.2	2.6	113	2.38	28.9	.6	4.1	3.4	12	.1	1.4	.6	35	.05	.057	17	15.9	.18	91	.029	1	.94	.009	.04	.2	.02	1.1	.1	<.05	5	1.6	15.0
13E2	5.3	61.5	93.1	84	1.5	14.5	4.9	301	4.39	49.6	2.4	4.2	2.8	20	.7	2.8	.9	55	.05	.114	20	33.7	.17	280	.009	1	1.69	.007	.08	.1	.06	1.7	.2	.09	6	3.2	7.5
13E3	5.0	40.8	31.6	69	1.0	12.4	3.7	129	3.54	37.9	.9	3.1	5.0	12	.1	2.3	.7	56	.05	.059	21	18.9	.23	121	.024	1	1.29	.007	.05	.3	.03	1.6	.2	<.05	6	2.1	15.0
13E4	2.1	20.9	13.8	70	.4	8.4	2.5	88	1.45	11.7	.6	2.5	.7	9	.3	1.0	.4	39	.05	.046	13	9.4	.08	64	.023	1	.61	.012	.04	.1	.02	.8	.1	<.05	5	.7	15.0
13E5	3.0	80.8	26.8	308	1.3	47.5	15.6	681	5.00	151.1	1.9	5.5	7.5	18	1.3	6.4	1.4	59	.16	.100	17	42.4	.66	179	.046	2	2.13	.007	.06	.4	.05	3.2	.1	<.05	6	1.8	15.0
13E6	2.3	38.5	61.5	135	.3	8.9	6.3	326	3.75	50.6	1.1	7.8	7.7	12	.5	1.6	.8	33	.07	.047	26	12.5	.32	135	.006	1	1.33	.005	.07	.3	.05	1.8	.1	<.05	4	.9	15.0
13E7	6.2	59.8	34.2	169	.7	53.4	10.7	329	5.84	22.7	1.3	6.7	5.8	31	.6	1.9	6.8	70	.19	.149	10	78.3	.93	681	.421	1	1.52	.018	.22	.3	.07	2.2	.3	.45	5	12.6	15.0
13E8	3.1	59.0	39.8	120	.4	25.7	11.4	479	3.58	36.4	1.3	9.2	5.7	19	.4	2.0	1.1	44	.10	.113	18	42.3	.44	138	.043	1	1.41	.005	.06	.2	.05	2.3	.1	.07	3	3.7	15.0
13E9	3.2	113.1	33.0	196	.3	96.5	28.4	568	5.20	42.0	1.2	5.0	4.9	18	.4	2.2	.3	64	.08	.096	24	85.8	1.10	221	.055	1	1.90	.004	.06	.1	.02	3.6	.1	.09	6	1.9	15.0
13E10	3.6	50.3	33.3	120	.6	46.3	10.8	244	4.30	41.0	.9	5.7	3.1	16	.2	2.1	.4	30	.02	.089	22	36.9	.43	209	.009	1	1.14	.004	.07	.1	.04	1.5	.1	.13	3	1.9	15.0
13E11	3.3	67.7	34.0	150	.2	36.2	9.0	134	4.18	90.7	.7	4.7	4.3	7	.2	2.5	.4	26	.01	.077	30	10.3	.03	99	.007	1	.50	.003	.04	.1	.02	.8	.1	<.05	3	2.3	15.0
13E12	3.9	26.9	27.2	108	.4	21.1	6.4	124	3.87	93.0	.7	5.0	6.9	8	.1	4.3	.3	23	.02	.075	22	13.1	.12	99	.014	1	.75	.004	.04	.2	.02	1.2	.1	.06	2	3.3	15.0
13E13	3.1	34.4	59.5	134	.9	27.1	7.6	122	3.80	103.1	.6	8.7	4.7	11	.1	2.4	.4	31	.02	.060	21	14.7	.14	126	.018	1	.63	.004	.06	.1	.05	1.2	.1	<.05	4	1.6	15.0
13E14	4.5	117.2	109.7	149	.6	28.2	17.3	672	4.33	26.7	1.6	8.3	8.3	12	.2	1.8	.9	27	.01	.095	23	21.8	.60	170	.012	1	1.39	.004	.06	.1	.03	2.3	.1	.09	3	5.5	15.0
13E15	4.9	98.2	38.0	213	.6	70.1	43.8	1527	4.88	35.0	2.6	4.6	5.3	13	.4	2.1	.4	34	.03	.083	34	34.4	.49	347	.013	1	1.70	.004	.06	.2	.05	3.4	.2	.06	4	4.3	15.0
14E0	2.8	27.5	66.6	67	11.2	10.1	4.6	246	3.88	65.8	.9	22.3	3.6	16	.3	3.1	4.2	45	.06	.053	16	31.4	.32	118	.035	1	1.67	.006	.06	.3	.07	2.1	.1	.11	5	7.1	15.0
14E1	3.3	26.4	83.0	107	.4	12.2	7.0	410	3.52	47.5	.9	6.8	2.0	27	.2	2.1	1.1	49	.17	.069	17	27.2	.44	267	.019	1	1.47	.008	.08	.2	.02	1.7	.2	.11	6	2.2	15.0
14E2	3.4	41.2	48.4	93	1.2	16.4	4.5	206	4.52	49.8	1.0	9.1	2.6	15	.2	1.9	1.1	46	.04	.095	17	39.5	.30	122	.028	1	1.38	.005	.06	.2	.06	1.6	.1	.11	5	3.3	7.5
RE 14E2	3.3	38.1	49.4	92	1.2	15.8	4.3	202	4.42	49.0	1.1	5.6	2.6	15	.2	1.9	1.1	46	.04	.092	16	39.8	.30	121	.028	1	1.38	.005	.06	.2	.06	1.7	.1	.10	5	3.2	7.5
14E3	3.3	32.3	37.3	82	.6	13.1	4.1	163	2.84	23.2	1.0	1.5	2.3	18	.2	1.5	1.0	57	.07	.067	19	22.6	.26	138	.028	1	1.21	.006	.06	.4	.01	1.7	.1	.06	7	2.0	15.0
14E4	1.9	21.0	15.3	42	.9	7.1	2.6	167	1.87	9.7	.8	1.1	1.9	11	.3	.6	.4	40	.07	.067	12	13.8	.10	100	.030	1	1.09	.015	.04	.2	.03	1.3	.1	<.05	5	.7	15.0
14E5	4.3	40.8	33.6	109	.5	15.8	5.0	375	3.30	24.3	.9	3.7	1.4	15	.2	1.2	.7	56	.08	.081	21	19.0	.27	109	.025	1	1.18	.007	.07	.2	.02	1.3	.1	.08	6	1.7	15.0
14E6	3.5	42.5	39.6	150	.6	22.5	11.1	645	4.48	24.7	1.0	<.5	5.1	19	.5	1.4	.6	60	.12	.077	19	21.2	.51	117	.023	1	1.97	.005	.05	.4	.03	2.4	.1	<.05	7	1.3	15.0
14E7	4.5	92.4	43.9	205	.6	55.0	21.2	735	4.43	45.4	1.4	7.6	6.4	14	1.0	2.3	.6	29	.11	.075	28	16.1	.35	136	.010	1	1.22	.004	.05	.3	.03	1.9	.1	<.05	3	2.4	15.0
14E8	2.6	102.4	54.1	332	.6	113.9	32.4	1108	4.05	38.3	2.2	5.1	6.2	24	1.0	1.8	.7	37	.37	.075	25	23.8	.62	225	.014	1	1.67	.006	.07	.3	.05	3.2	.2	<.05	4	2.3	15.0
14E9	4.3	89.0	29.1	216	.6	41.5	21.1	901	3.74	20.6	3.4	4.9	1.4	14	1.2	1.2	.3	20	.34	.082	19	11.9	.24	144	.011	1	1.14	.021	.05	.1	.05	1.1	.1	.06	4	2.4	15.0
14E10	3.2	62.2	26.6	115	.2	26.1	7.0	215	3.97	20.7	.8	2.5	7.3	9	.1	1.2	.3	28	.03	.047	22	17.3	.27	88	.015	1	1.00	.004	.05	.2	.03	1.5	.1	<.05	3	2.6	15.0
14E11	3.4	58.2	22.3	101	.2	26.9	4.0	105	3.88	36.6	.8	<.5	4.5	7	.1	1.1	.3	17	.01	.061	22	8.0	.06	54	.006	1	.41	.003	.04	.1	.02	1.0	.1	<.05	2	4.8	15.0
14E12	2.6	57.2	16.3	104	1.1	34.7	6.8	89	3.11	17.1	.7	1.2	1.0	5	.1	.9	.3	20	.01	.080	10	8.9	.03	82	.003	1	.63	.011	.04	<.1	.04	.6	.1	.06	3	1.4	15.0
15E0	.8	18.5	17.1	60	.1	15.0	7.7	359	2.93	5.3	.9	1.3	6.9	26	.3	.6	.3	61	.25	.059	14	37.1	.62	140	.052	2	1.87	.007	.05	.6	.04	3.3	.1	<.05	6	.7	15.0
15E1	1.2	15.2	18.8	60	.1	8.1	4.1	366	2.32	10.9	.8	2.9	.9	19	.3	.9	.7	63	.47	.047	13	19.8	.23	237	.057	1	.92	.008	.07	.3	.01	1.4	.1	<.05	7	.9	15.0
15E2	6.0	19.6	24.0	63	.2	10.4	4.9	286	3.28	21.7	.8	.9	9.1	12	.1	1.0	.4	49	.06	.036	16	18.6	.34	108	.031	1	1.71	.006	.06	1.0	.02	2.1	.1	<.05	7	1.0	15.0
STANDARD DS6	11.7	123.9	29.8	144	.3	25.1	10.9	700	2.85	21.5	6.7	46.6	3.1	41	6.2	3.7	5.1	55	.86	.079	13	186.5	.58	165	.080	19	1.90	.073	.15	3.6	.23	3.2	1.8	<.05	6	4.2	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.2	2.2	3.2	46	<.1	4.8	4.3	604	2.18	<.5	2.5	<.5	4.5	95	<.1	<.1	.1	45	.71	.077	9	9.4	.60	256	.159	1	1.22	.143	.55	.1	<.01	2.5	.4	<.05	6	<.5	15.0
15E3	3.3	19.8	35.0	89	1.0	9.6	6.3	437	3.65	17.2	.9	11.5	6.4	13	.3	.9	1.7	52	.08	.067	14	23.0	.41	112	.059	<1	1.79	.007	.06	.4	.07	2.5	.1	.07	7	1.5	15.0
15E4	2.1	19.9	43.1	83	.3	10.4	4.9	224	2.70	16.2	.9	1.2	3.7	17	.8	1.1	1.0	46	.08	.052	19	24.6	.32	200	.027	1	1.28	.006	.06	.3	.04	1.9	.1	.06	6	1.2	15.0
15E5	2.0	21.4	27.6	68	.4	8.5	4.7	293	2.83	13.2	.8	<.5	1.4	17	.6	.9	.7	62	.09	.059	15	23.1	.28	100	.032	<1	1.20	.008	.05	.4	.04	1.4	.1	<.05	7	.8	7.5
15E6	1.5	17.6	26.5	60	.2	7.1	4.9	430	2.16	10.0	.6	<.5	.6	15	.3	.7	.7	53	.08	.045	12	18.7	.21	101	.031	<1	.92	.010	.05	.3	.03	1.0	.1	<.05	6	.8	15.0
15E7	2.5	21.1	26.3	95	.4	10.8	4.8	257	2.68	14.8	.8	<.5	5.0	16	.3	.9	.5	54	.09	.116	12	17.1	.27	90	.043	<1	1.15	.010	.06	.5	.02	1.8	.1	<.05	7	.9	15.0
15E8	2.0	21.4	33.2	72	.4	12.2	5.6	317	3.27	23.4	.6	61.1	6.3	16	.2	1.0	.8	70	.10	.072	13	23.4	.33	89	.026	<1	1.56	.007	.05	.9	.03	2.3	.1	<.05	8	.8	15.0
15E9	2.7	27.3	22.0	84	<.1	11.6	7.0	447	3.65	15.0	.9	<.5	2.6	18	.1	.9	.5	76	.12	.078	14	20.7	.44	51	.031	<1	1.65	.006	.05	.6	.02	2.1	.1	<.05	8	.6	15.0
15E10	3.1	85.4	38.4	227	1.0	33.0	9.2	464	2.97	22.1	26.6	4.4	3.9	22	.5	1.0	.5	27	.65	.130	41	18.5	.44	165	.012	<1	1.51	.009	.05	.3	.13	2.5	.1	.07	4	2.1	15.0
15E11	4.6	20.8	31.3	19	1.3	3.5	1.0	55	2.56	36.8	.5	1.2	.9	27	<.1	1.9	.4	21	.02	.091	21	8.2	.05	180	.006	<1	.67	.019	.09	.1	.05	.3	.2	.23	3	2.3	15.0
15E12	12.1	114.8	85.0	75	1.8	12.4	3.3	128	7.34	26.6	1.8	12.1	1.0	17	.1	1.6	.7	33	.03	.173	17	19.2	.17	168	.009	<1	1.12	.011	.07	.1	.19	.7	.1	.23	4	19.0	15.0
15E13	12.6	60.5	530.6	83	1.4	23.7	2.5	84	7.12	77.7	.9	10.0	3.7	38	<.1	2.9	1.4	39	.01	.241	27	20.1	.10	347	.008	<1	.55	.022	.11	.1	.04	.7	.2	.32	4	16.7	15.0
15E14	5.0	36.3	52.8	79	.6	11.6	3.7	168	3.81	26.2	.7	6.7	2.9	10	<.1	1.1	.7	24	.02	.074	23	11.3	.24	117	.010	<1	.77	.003	.04	.1	.03	.8	.1	<.05	4	4.4	15.0
15E15	6.1	35.5	63.9	100	.6	12.5	4.4	138	5.06	31.0	.8	9.9	3.5	8	.1	1.3	.9	23	.01	.125	31	8.4	.21	130	.009	<1	.66	.004	.04	.1	.03	.6	.1	.07	3	6.0	15.0
16E0	4.3	108.1	89.3	108	1.5	32.5	57.7	5190	4.25	40.1	3.0	5.7	.7	17	3.1	1.4	.7	51	.08	.166	25	39.2	.28	508	.010	<1	1.79	.006	.06	.1	.06	1.1	.3	.08	6	2.2	15.0
16E1	2.7	116.9	31.0	249	1.5	124.8	63.6	2235	5.68	32.7	2.5	3.8	3.9	13	1.6	1.1	.4	102	.18	.142	25	184.2	1.72	184	.043	1	3.14	.004	.05	.2	.06	5.3	.2	<.05	8	2.4	15.0
16E2	2.1	345.0	13.3	1182	8.9	83.6	67.9	1775	38.01	17.2	5.6	11.2	6.4	5	1.9	1.2	.2	22	.03	.064	17	43.2	.31	99	.027	1	1.93	.002	.01	<.1	.22	6.2	.3	<.05	2	8.1	15.0
16E3	3.0	36.2	30.6	140	1.1	13.8	6.0	523	3.59	24.5	.8	11.0	2.6	15	.8	1.4	.6	69	.08	.058	17	20.9	.29	117	.046	1	1.23	.005	.06	.3	.04	1.7	.1	<.05	7	1.3	15.0
16E4	2.2	33.9	17.4	84	.2	13.7	9.7	540	3.57	13.5	1.1	<.5	3.0	18	.3	.8	.3	62	.16	.060	16	20.5	.59	69	.021	1	1.84	.006	.05	.4	.03	2.6	.1	<.05	7	.5	15.0
16E5	4.4	121.4	41.3	200	.4	41.5	12.4	367	4.81	40.3	2.4	4.5	13.4	15	.6	1.6	.8	55	.09	.060	24	39.1	.63	150	.027	1	2.34	.005	.06	.4	.05	4.2	.1	<.05	5	2.6	15.0
16E6	9.3	130.8	41.7	265	.5	116.5	29.1	702	6.74	35.6	1.8	2.4	2.1	54	1.9	1.7	1.9	120	.61	.351	19	103.1	.76	402	.037	1	1.61	.005	.06	.5	.05	3.1	.1	.12	5	9.1	15.0
16E7	15.3	424.6	11.9	164	.5	100.0	40.0	171	21.35	2.1	2.7	29.5	11.9	17	2.0	3.8	10.7	39	.12	.166	24	30.0	.29	314	.002	<1	1.31	.003	.08	.1	.10	3.9	.2	.24	4	>100	15.0
16E8	6.4	98.3	25.7	440	.3	158.3	34.3	817	5.66	22.7	2.7	2.9	3.3	21	3.5	1.5	.9	94	.42	.098	29	165.0	1.57	373	.088	1	2.21	.003	.06	.1	.04	4.8	.1	<.05	7	3.3	15.0
16E9	6.6	69.6	36.4	194	.3	56.7	14.5	654	4.87	35.2	1.6	2.9	5.7	22	.5	2.1	1.0	67	.18	.255	20	61.5	.55	182	.069	1	1.18	.004	.06	.2	.02	2.9	.1	.06	5	5.1	15.0
16E10	3.4	113.9	40.0	180	.5	137.8	38.8	757	5.80	30.0	1.1	4.4	8.2	22	.5	2.4	.3	87	.29	.154	32	184.1	1.73	192	.129	1	2.48	.003	.07	.2	.02	5.0	.2	.08	7	2.0	15.0
RE 16E10	3.3	117.4	39.8	178	.5	137.0	36.5	737	5.76	30.3	1.1	5.7	8.0	22	.5	2.2	.3	80	.27	.150	31	177.8	1.67	184	.112	1	2.30	.002	.07	.1	.02	4.9	.2	.06	7	1.7	15.0
16E11	24.6	76.8	56.8	154	.8	39.5	7.3	248	7.07	22.6	2.2	11.8	8.7	27	.4	1.4	1.5	70	.05	.180	21	41.3	.43	451	.057	1	1.49	.010	.13	.2	.06	3.6	.1	.25	5	13.4	15.0
16E12	11.9	48.6	24.8	68	.3	20.2	3.0	120	3.52	22.8	1.5	1.0	5.2	16	.2	1.3	1.1	60	.03	.085	30	16.4	.31	164	.016	1	.87	.003	.05	.3	.01	1.6	.1	<.05	4	4.2	15.0
16E13	9.1	156.6	60.0	519	.9	118.0	23.0	810	3.82	31.7	6.2	6.9	4.6	19	3.8	1.7	.9	37	.30	.102	33	21.0	.43	272	.012	2	1.57	.009	.05	.2	.10	2.9	.2	.06	3	4.7	15.0
18E0	2.3	58.7	11.5	39	.2	5.1	7.2	711	1.94	7.7	3.3	1.1	4.9	23	.1	.5	.2	41	.28	.044	56	9.1	.46	145	.010	1	1.78	.005	.04	.5	.03	3.3	.2	<.05	6	.5	15.0
18E1	5.3	66.3	99.9	283	.4	25.1	18.7	1172	4.67	52.3	11.2	19.7	10.3	13	1.1	1.9	1.1	29	.24	.073	42	23.0	.70	131	.012	1	1.40	.005	.05	.5	.08	3.4	.1	.10	4	1.5	15.0
18E2	3.1	56.4	75.9	175	.3	18.5	15.0	964	3.97	47.7	7.7	6.4	8.0	18	1.0	2.0	.8	34	.33	.068	38	22.6	.65	109	.015	1	1.42	.006	.06	.5	.05	3.3	.1	.07	4	1.3	15.0
18E3	3.6	53.2	41.0	174	.2	31.0	18.0	811	4.20	51.2	3.0	5.4	8.7	16	.9	1.6	.5	34	.24	.063	37	21.3	.60	118	.015	2	1.70	.005	.06	.3	.03	3.0	.1	<.05	4	.8	15.0
18E4	2.3	76.3	24.7	108	.2	20.6	17.4	1627	3.90	19.5	2.1	5.2	17.2	35	.8	.8	.3	58	.58	.076	43	27.1	.98	162	.050	1	1.86	.006	.09	.5	.05	7.4	.1	<.05	5	.7	15.0
18E5	3.1	56.3	36.8	126	.2	17.5	12.6	945	3.54	25.1	5.1	5.1	2.9	19	.5	1.3	.5	37	.25	.081	36	16.9	.59	133	.011	1	1.64	.008	.06	.5	.03	2.0	.1	<.05	5	.9	15.0
STANDARD DS6	11.3	121.0	29.1	142	.3	24.6	10.6	697	2.81	21.8	6.6	48.3	3.0	40	6.0	3.6	5.1	55	.84	.079	12	185.0	.58	161	.080	18	1.90	.073	.15	3.6	.23	3.3	1.8	<.05	6	4.3	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	.3	2.5	3.3	50	<.1	4.2	4.6	606	2.16	.5	2.6	<.5	4.8	91	<.1	<.1	.1	44	.67	.080	12	10.0	.63	258	.149	1	1.27	.148	.57	.1	<.01	2.8	.3	<.05	6	<.5	15.0
18E6	3.4	79.5	45.5	165	.4	24.1	16.4	1073	3.99	38.7	5.8	5.9	4.8	21	.8	1.8	.7	40	.31	.115	43	24.6	.70	144	.013	1	1.83	.009	.08	.4	.04	2.8	.2	.07	5	1.0	15.0
18E7	7.6	84.4	48.4	241	.6	52.0	18.6	922	4.14	52.4	5.1	7.4	8.3	20	1.5	2.3	.5	30	.34	.105	36	21.0	.51	150	.009	2	1.25	.006	.07	.2	.07	2.7	.2	.09	4	2.4	7.5
18E8	5.2	71.8	43.0	139	.4	24.6	12.5	526	3.82	43.0	3.6	9.0	6.4	16	.4	1.8	.6	37	.17	.086	38	18.3	.56	140	.008	1	1.44	.005	.04	.3	.05	2.8	.2	<.05	4	1.8	15.0
18E9	7.6	124.1	46.9	415	.8	74.3	26.9	732	4.31	49.9	5.3	10.2	7.0	21	2.3	2.9	.6	31	.42	.121	39	19.2	.50	195	.008	1	1.51	.006	.07	.2	.10	2.7	.2	.07	3	3.5	15.0
18E10	5.5	83.2	81.1	88	1.1	19.0	5.0	143	5.15	58.6	1.9	7.1	2.3	18	.4	3.1	.5	26	.07	.122	32	25.5	.22	102	.007	1	.96	.007	.06	.2	.10	1.0	.2	<.05	4	4.1	15.0
18E11	2.1	54.6	15.7	30	2.4	9.7	2.3	75	1.85	8.6	1.4	4.3	.1	6	.3	.4	.2	18	.04	.136	13	11.4	.10	44	.006	<1	1.54	.019	.03	.1	.08	.2	.1	<.05	4	1.6	15.0
1S0	1.7	30.1	30.4	100	.1	20.4	9.6	361	3.00	29.0	1.3	3.0	4.2	15	.3	1.7	.4	36	.06	.054	32	21.9	.41	92	.019	1	1.31	.004	.06	.1	.02	1.4	.1	<.05	5	.7	15.0
1S1	2.0	52.9	167.0	147	.3	21.7	12.4	574	4.30	109.7	2.7	3.6	.8	20	.4	2.5	.6	38	.05	.134	21	24.1	.34	117	.009	1	1.41	.006	.08	.2	.04	.6	.1	.10	6	1.0	15.0
1S2	3.2	46.4	89.4	207	.3	38.5	15.5	1026	3.65	42.9	2.6	1.7	6.7	18	.8	4.7	.3	31	.18	.159	33	25.8	.99	261	.005	1	1.77	.003	.06	.1	.06	3.7	.1	.06	5	1.0	15.0

Ron S. Berdahl

Prepared by

FINLAYSON

PROJECT PERSONNEL

APPENDIX C

Preparing a Geotechnical Report on
Integration Project

APPENDIX C

PROJECT PERSONNEL

FINLAYSON

Prepared by

Ron S. Berdahl

APPENDIX C

PROJECT PERSONNEL

Personnel	Address	Task
Ron Berdahl	Whitehorse, Yukon	Soil Sampler/Prospector
Mike Mark	Whitehorse, Yukon	Soil Sampler
Kiyoko Nakano	Vancouver, B.C.	Soil Sampler/Prospector

APPENDIX D

STATEMENT OF COSTS

FINLAYSON

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Ron S. Berdahl

APPENDIX D

STATEMENT OF COSTS

Helicopter:	(Kluane)	\$ 3,450.00
Truck:	1,000 km @ \$0.485/km	520.00
Labour:	7 man days @ \$200.00/day	1,400.00
	8 man days @ \$250.00/day	2,000.00
	10 man days @ \$350.00/day	3,500.00
Assays:	(ACME Lab) 290 samples (soil/rock) shipping @ \$15.88	4,605.20
Per Diem:	24 man days @ \$35.00/day	840.00
Gear rental, sample bags, augers, gps, camp, etc.		500.00
Report Preparation		<u>1,500.00</u>
		<u>\$18,315.00</u>

Applying for two years assessment on each of the 102 claims @ \$100/claim year

APPENDIX E

SAMPLE LOCATION MAP

FINLAYSON

Prepared by

Ron S. Berdahl

The image is a topographic map with contour lines indicating elevation. A grid is overlaid on the map. Two vertical profiles are shown, labeled E1A-E11A and E1B-E10B. The profiles are marked with points and numbers 1, 3, and 4. The map includes a north arrow and a scale bar.

This topographic map shows a mountainous region with contour lines indicating elevation. A grid is overlaid on the map. A path is marked with points labeled E1A through E11A and E1B through E10B. A small rectangular area is labeled 1 and 4.

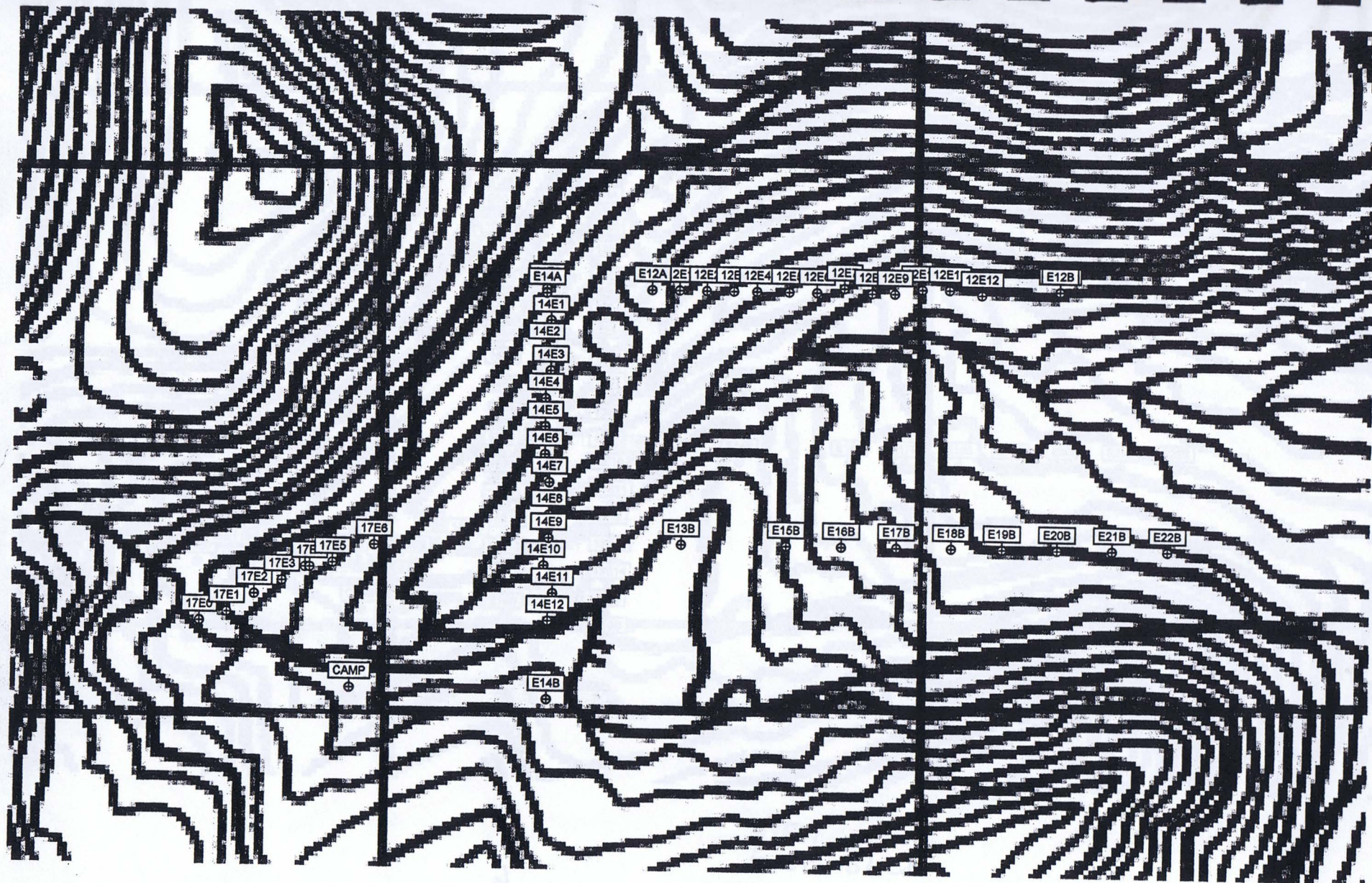
This topographic map displays contour lines representing elevation. A grid is overlaid on the map. Two vertical profiles are shown, labeled E1A-E11A and E1B-E10B. The profiles are marked with points and numbers 1, 3, and 4. The map includes a north arrow and a scale bar.

This topographic map displays contour lines representing elevation. A grid is overlaid on the map. Two vertical profiles are shown, labeled E1A-E11A and E1B-E10B. The profiles are marked with points and numbers 1, 3, and 4. The map includes a north arrow and a scale bar.

This topographic map displays contour lines representing elevation. A grid is overlaid on the map. Two vertical profiles are shown, labeled E1A-E11A and E1B-E10B. The profiles are marked with points and numbers 1, 3, and 4. The map includes a north arrow and a scale bar.

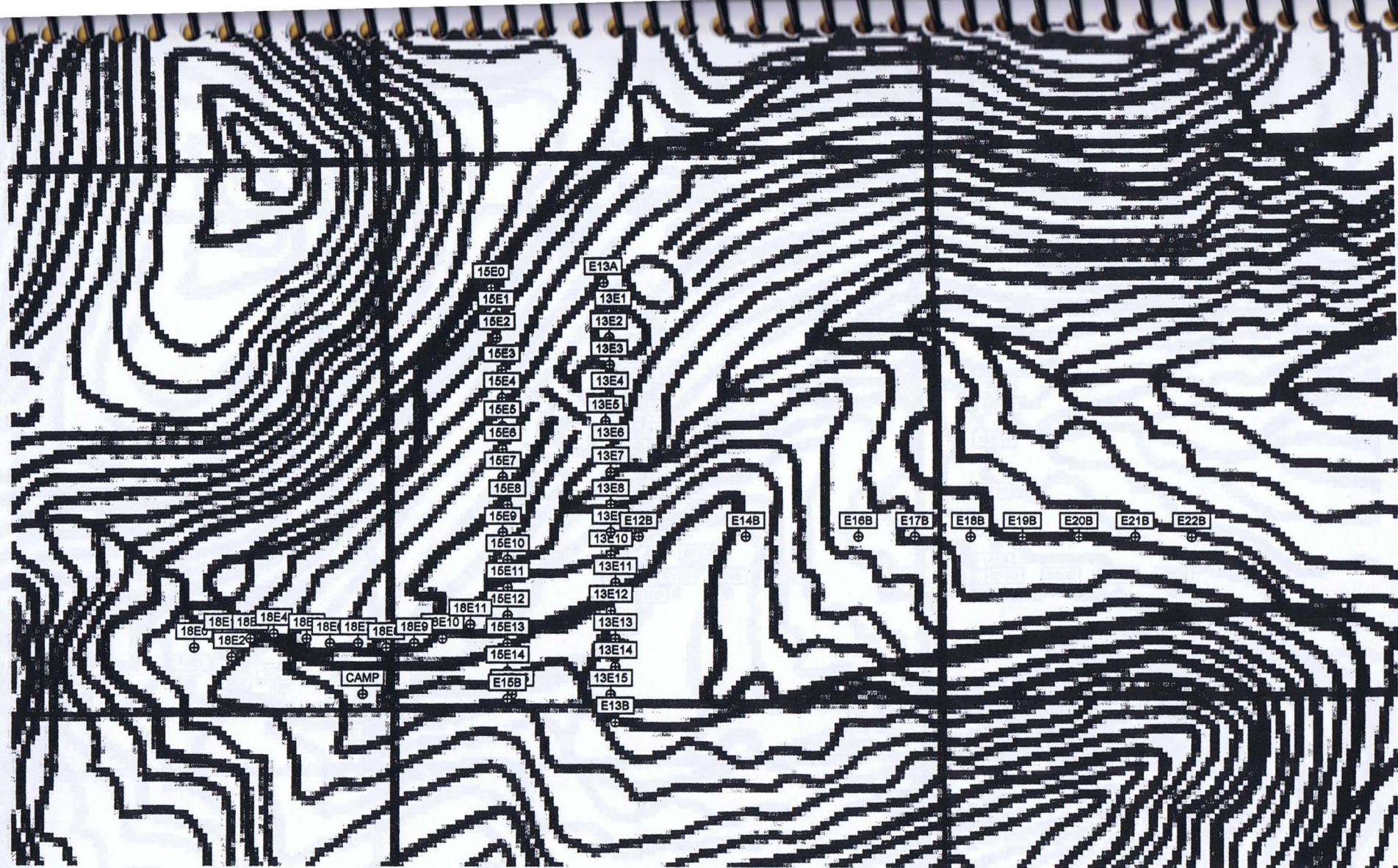
This topographic map displays contour lines representing elevation. A grid is overlaid on the map. Two vertical profiles are shown, labeled E1A-E11A and E1B-E10B. The profiles are marked with points and numbers 1, 3, and 4. The map includes a north arrow and a scale bar.

This topographic map displays contour lines representing elevation. A grid is overlaid on the map. Two vertical profiles are shown, labeled E1A-E11A and E1B-E10B. The profiles are marked with points and numbers 1, 3, and 4. The map includes a north arrow and a scale bar.



↑
N

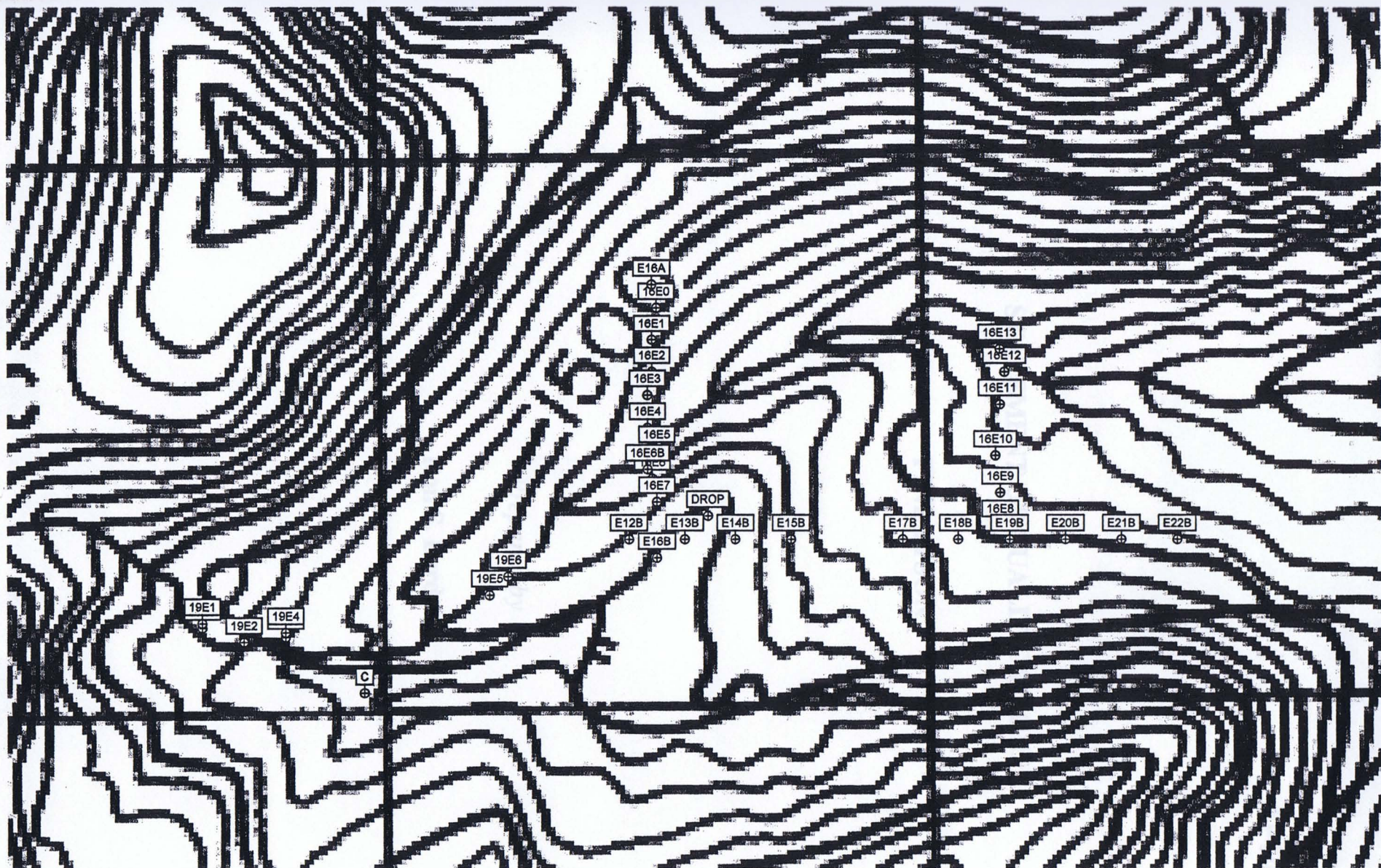
WEST
East Block
Sample Locations



↑
N

WEST
East Block

Sample Locations



WEST
East Block
Sample Locations

N
1

APPENDIX F

STATEMENT OF QUALIFICATIONS

FINLAYSON

Prepared by

Ron S. Berdahl

STATEMENT OF QUALIFICATIONS

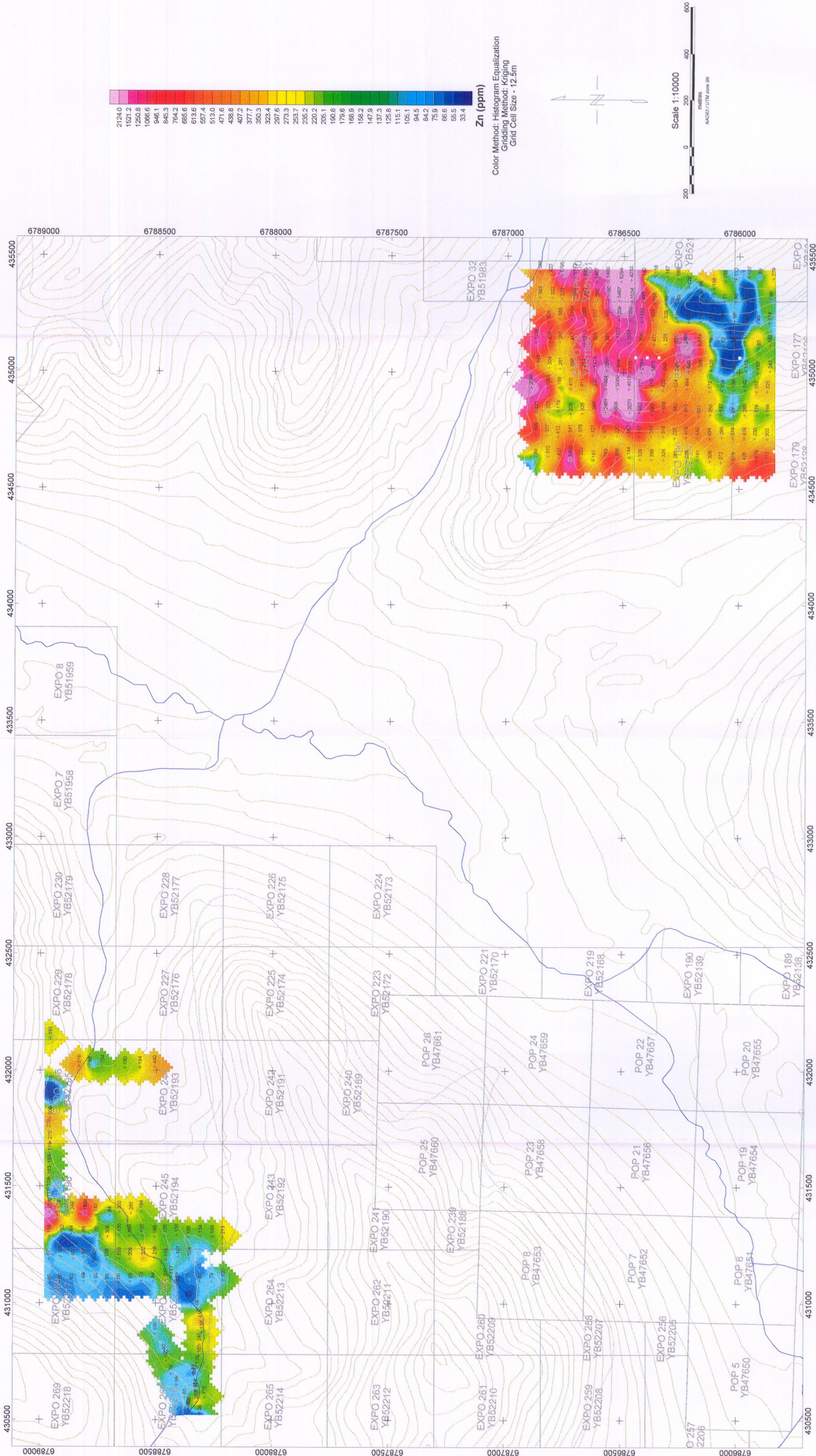
I, Ron Berdahl, declare I am an independent prospector who has worked on the Finlayson area for the 2005 field season.

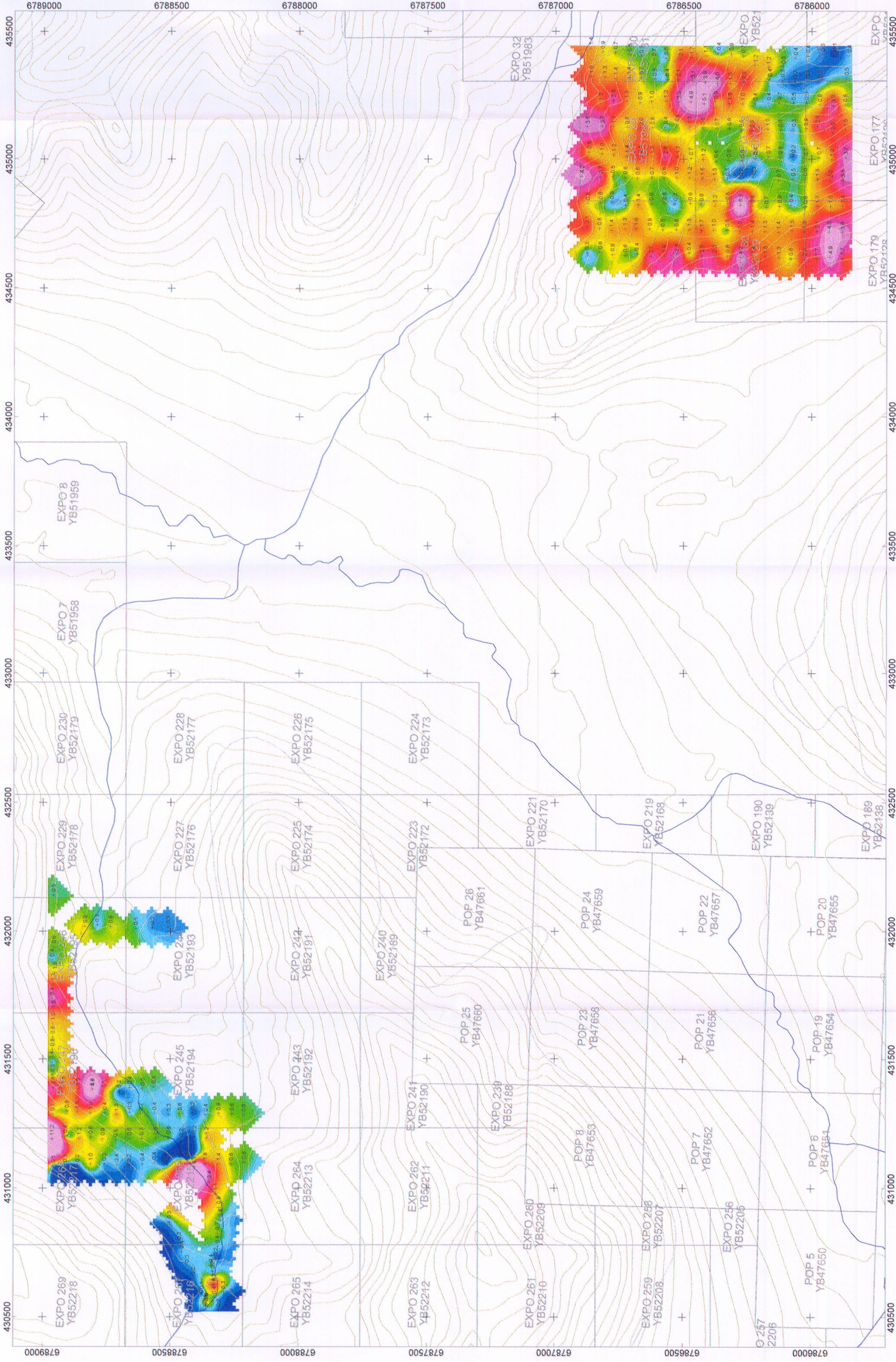
I have taken several courses related to prospecting and make the bulk of my living directly from prospecting.

The data contained herein is true and correct to the best of my knowledge.

Ron S. Berdahl

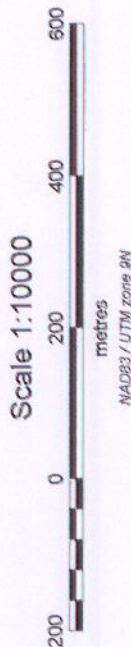
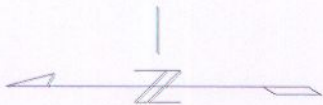
Date

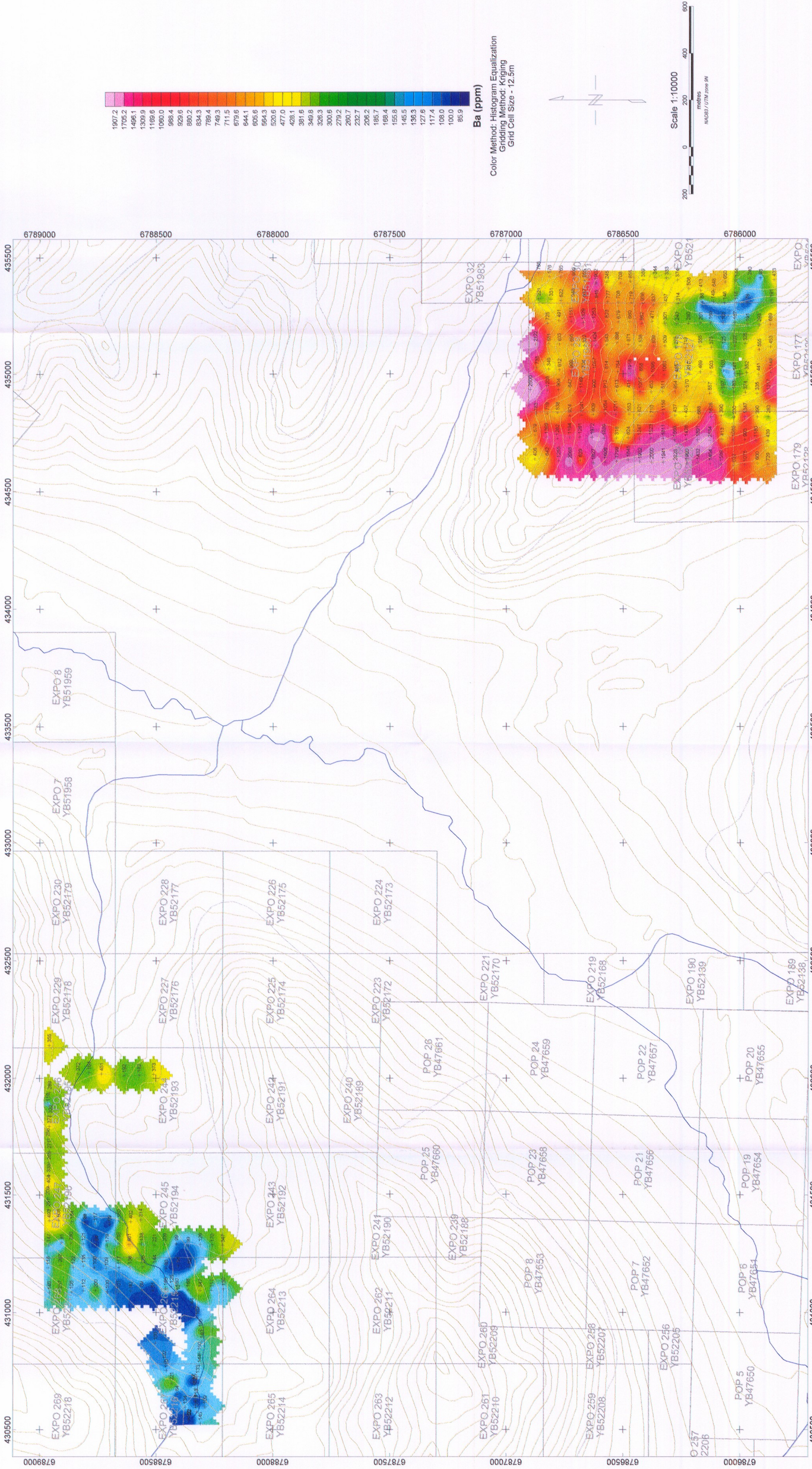


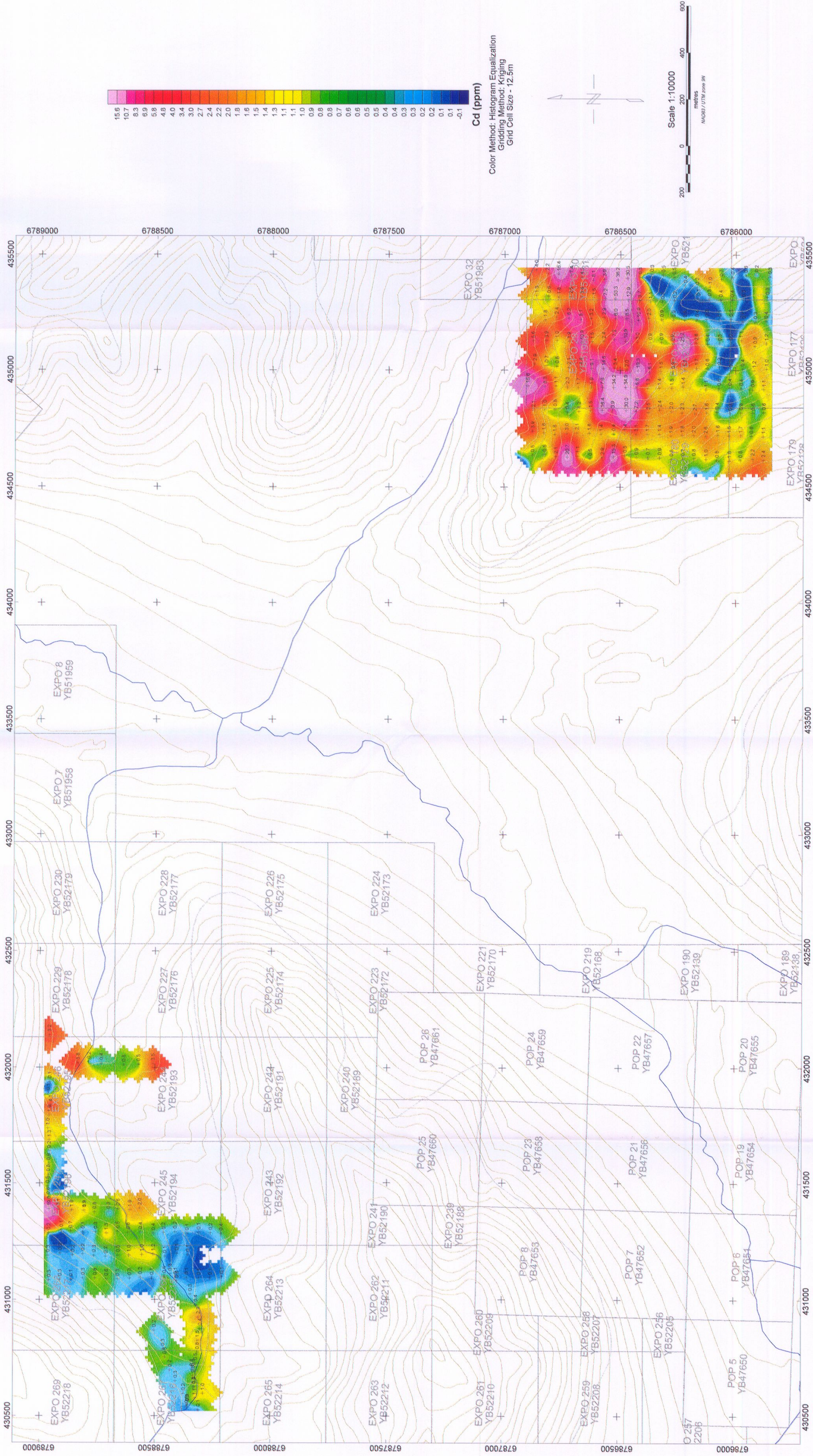


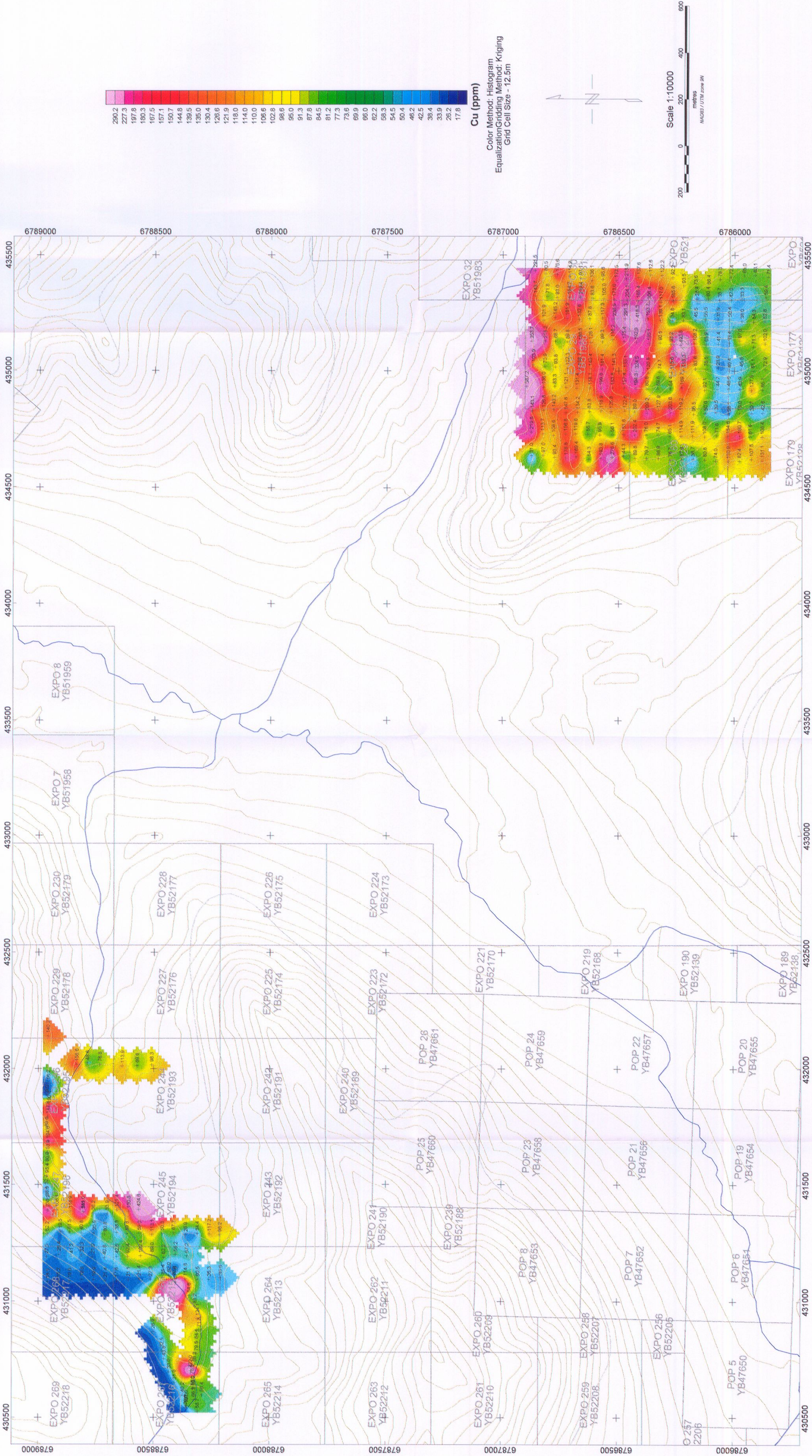
Ag (ppm)

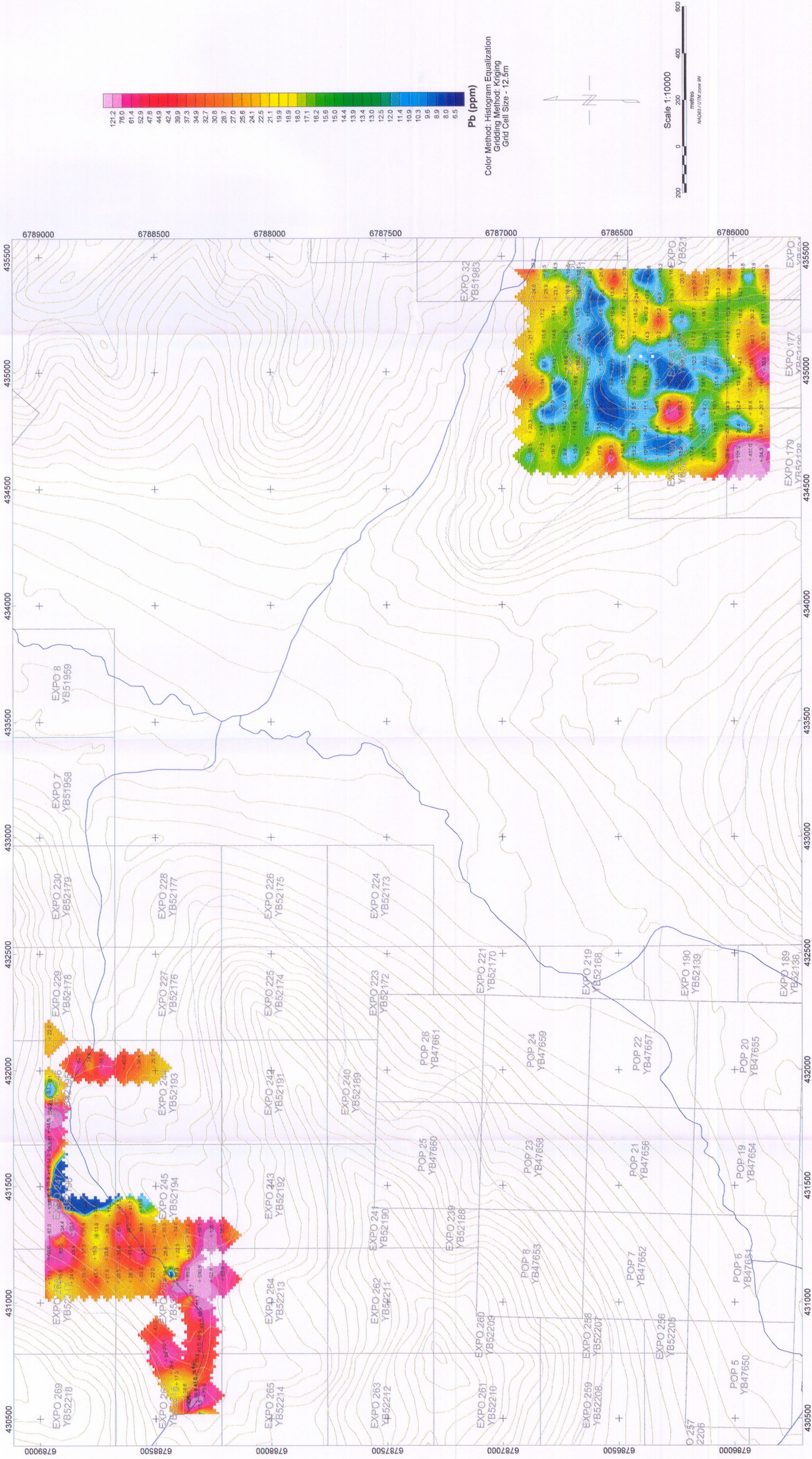
Color Method: Histogram Equalization
Gridding Method: Kriging
Grid Cell Size - 12.5m











Ron Berdahl
EXPO Claims
Geochemistry - Pb (ppm)
NTS: 105 G/01 March 14, 2006
Map by Stewart Basin Exploration

