

YEIP
05-055
2005

YMIP 05-055

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:

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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 500m 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 800m 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 south east. 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 all intersected VMS style mineralization though at uneconomic 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 kms east of Fire Lake, 35 kms southeast of Teck Cominco's Kudz Ze Kayah VHMS Deposit and approximately 150 kms 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



FIGURE 1

within 35 kms 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.

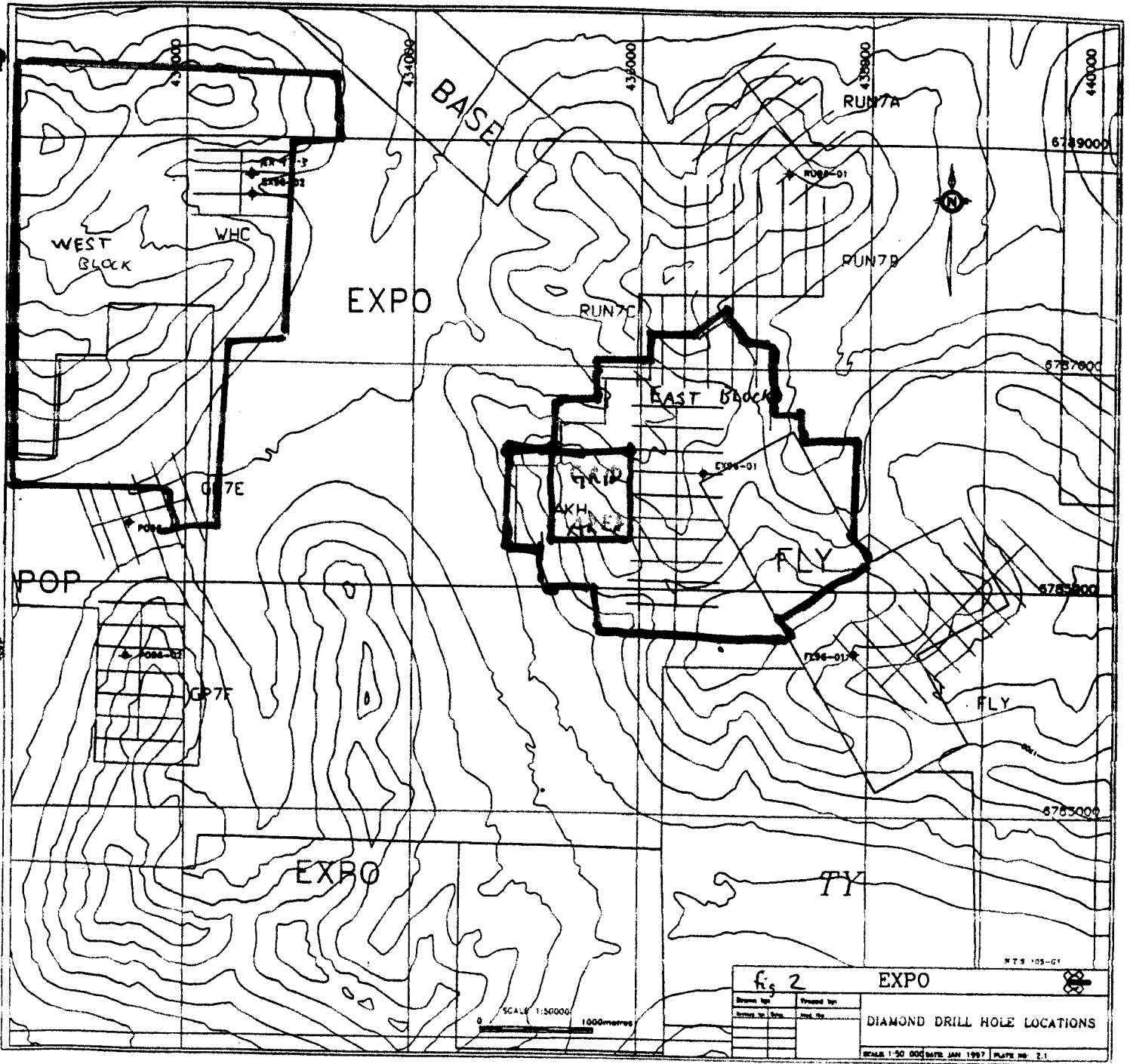
The countryside consists of low mountains to 7,000+ feet. Outcrop is sparse below treeline (4,500 feet) and even above treeline is often only exposed in creek beds.

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



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 Expo et. al. claims
 East + West Blocks

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)

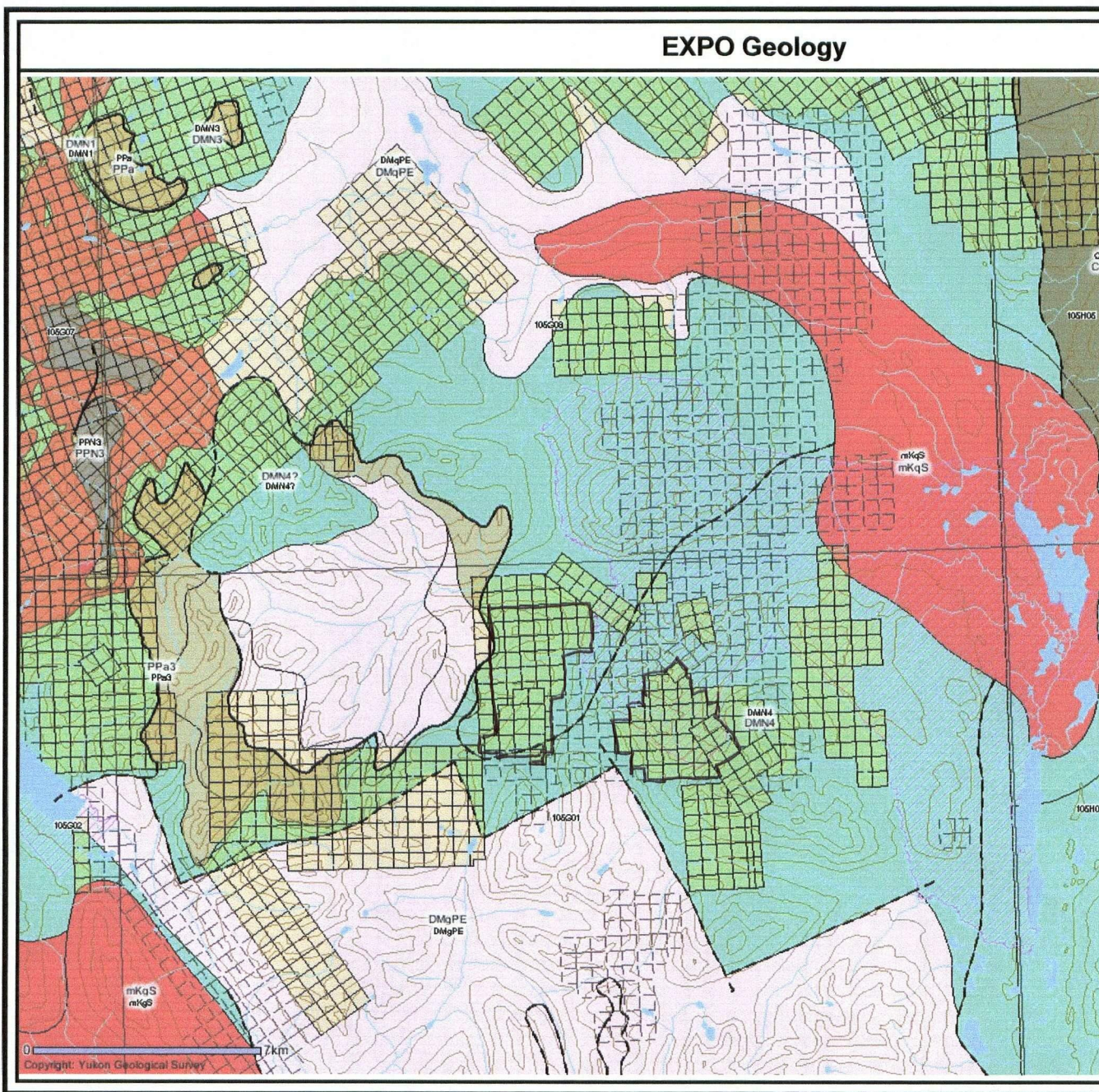


Fig 3

105 G-1



MID-CRETACEOUS

mKW

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

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

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

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

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

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 near 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. (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 kms 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 pyretic 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 S_2 cleavage oriented sub-parallel to the primary layering is present throughout the White Creek area. Dips area 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 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. (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

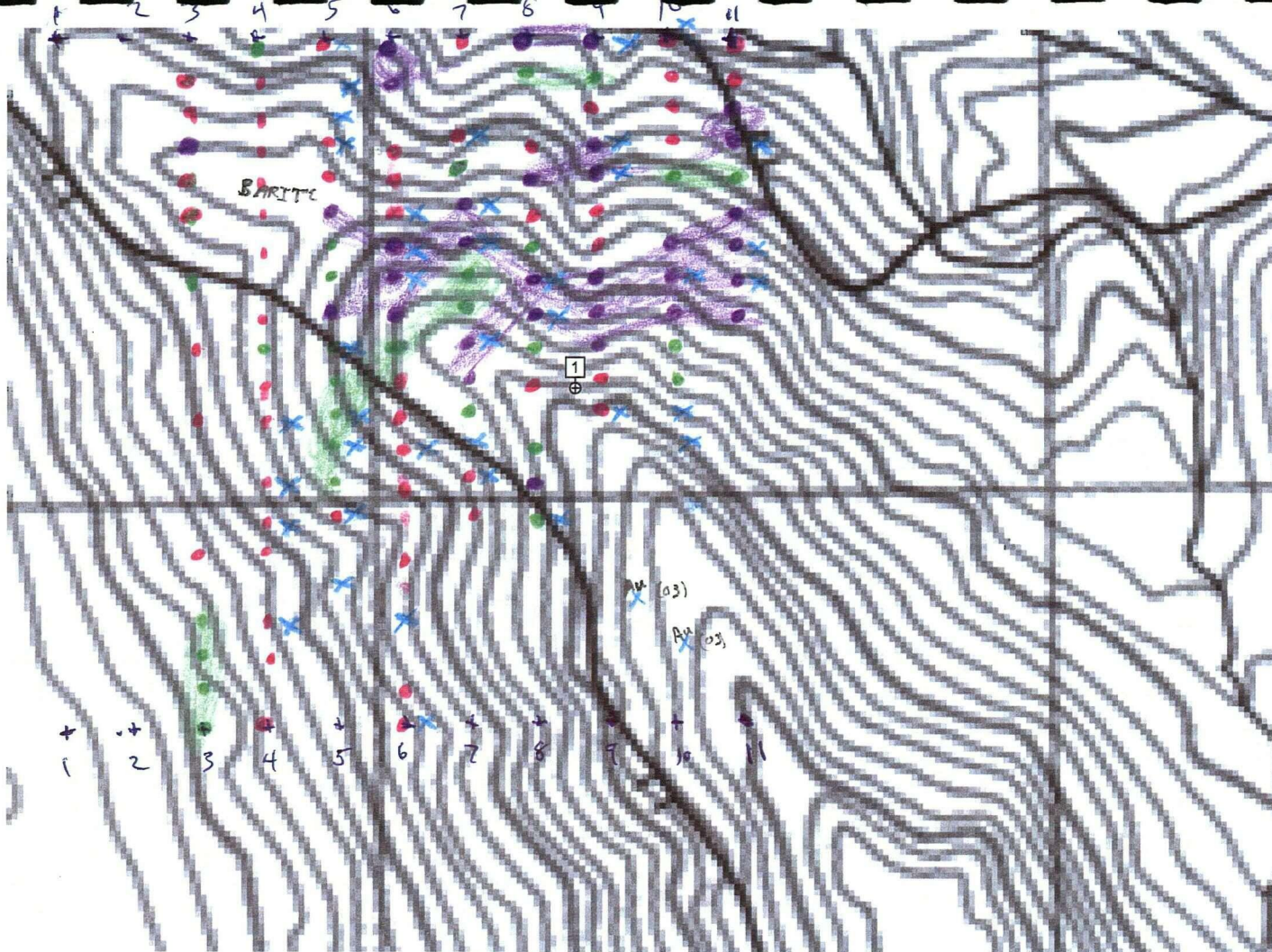
Fourteen line kilometres of 'deep' soils were taken on 100m spaced lines with 50m stations. Each sampler had access to a pick, shovel and soil auger. The east claim block had 9, one kilometre, long lines centered on the 500m 2003 single line Zn/Au anomaly. The west block soil lines (approximately 5km) were positioned between the Cominco drill intercepts (1995,97) and the authors 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 700m 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 8.9ppm 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, 61ppb, as well as the highest Pb in soils, 530 ppm. Both these were along the 'creek' trend.



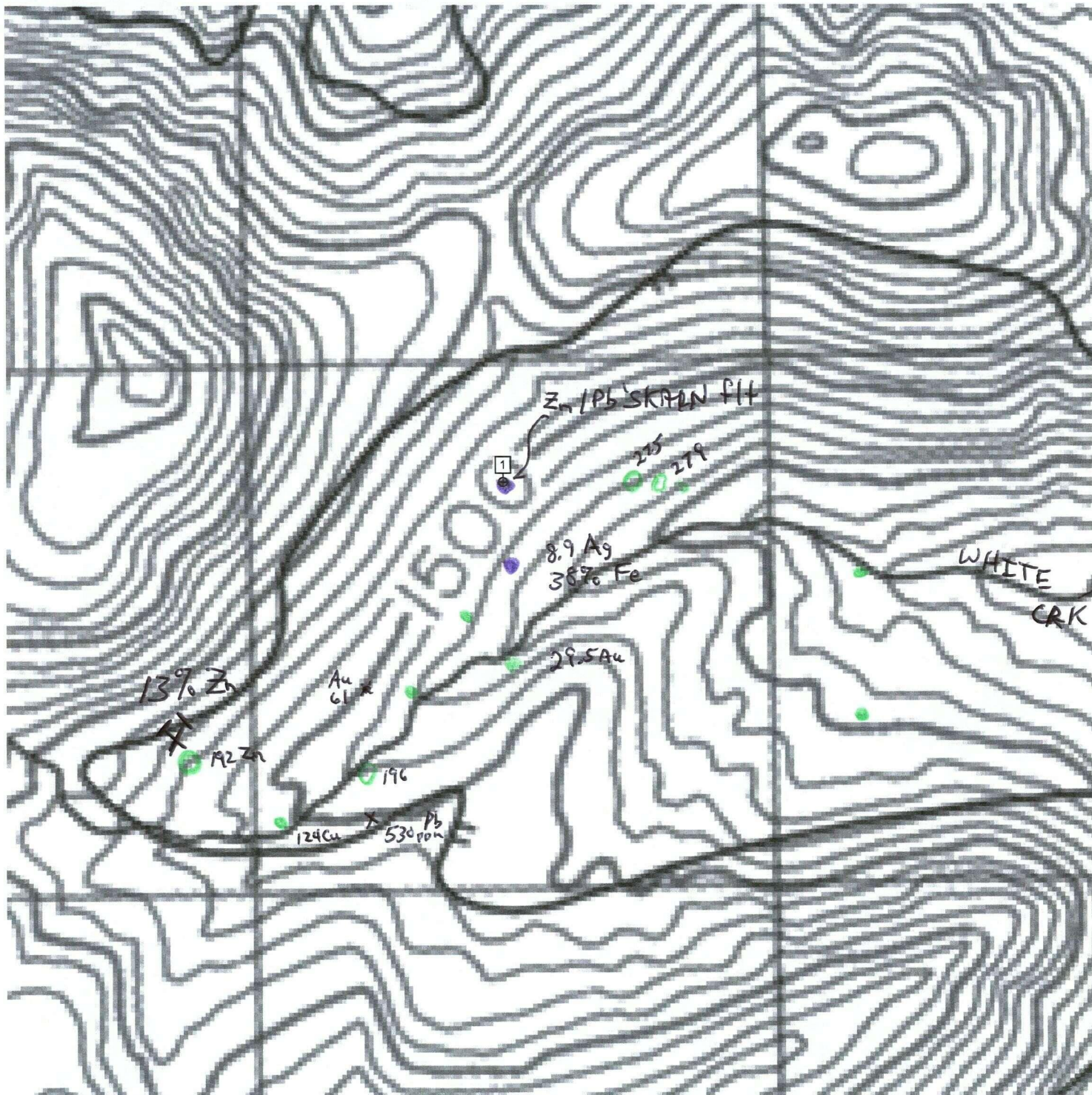
$Zn > 300$ (90%?) ●
 > 600 ●
 > 1000 ●
 $Au > 36$ +
 to 575 ppb

1:10,000



Finlayson
East Block

← 1km →



~ 1:10,000

WEST BLOCK

- < 300 ○
- Zn ≥ 300 ppm ●
- > 1,000 ppm ●

Zn/Pb SKIPPEN PIT

1

225
279

8.9 Ag
38% Fe

WHITE
CRK

29.5 Au

13% Zn

Au
61%

192 Zn

196

124 Cu

530 Pb

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 ppmZn. 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, >1000 ppm Zn, is at least 150 wide and 600m 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 575ppb.

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 600m x 150 meter zone that is abnormally high in Zn(>1,000ppm), Au(>36ppb), Ag and Pb. A larger, lower grade (Zn>300ppm), 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 aukurst showing is 2 kilometres north, and the VMS showings along the creek are 600m to the eastsoutheast.

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

28

Sept 4

Rock Sampling

Sample #

Location

Description

19E0

dry creek

black shale w/ fine-

grained py + possibly sphal?

19E1

dry creek

semi-mass. fine-gr

py w/ qtz-feld groundmass

19E2

dry creek

semi-mass. py

w/ qtz-feld groundmass

19E3

dry creek

dark grey siltst?
few sm. sphal.w/ dissem. py; looks like could be a
xtals (circled w/ felt marker)

19E4

dry creek

diss. py + bornite/

covellite? in qtz-ser schist?

19E5

white creek

semi-mass. py;

well-rounded float

19E6

* outcrop next to white creek;

qtz-ser
it mightschist, quite rusty; one broken face looks like
be fine-gr sphal?

29

* float unless otherwise
specified

16 Sept 1, 2005

Sample #	Depth	Color/Texture	Quality	Veg / Slope	Description
5E0	1 ft	brown, ^{mostly} silt, sand, pebble, clay	fair	moderate, med-sized buckbrush	
5E1	1 ft	brown, silt, sand, pebble, clay	fair	moderate, med-sized buckbrush	
5E2	2 ft	brown, silt, sand, pebble, clay	good	moderate, ^{sm.} buckbrush	
5E3	1.2 ft	brown, clay & pebbles	good	moderate, sm. buckbrush	
5E4	1 ft	brown, coarse sand / pebbles, some clay	good	moderate, sm fir, buckbrush	lots of pebbles
5E5	1.3 ft	brown, coarse sand & pebbles, some clay + silt	fair	moderate, buckbrush, sparse fir & sm. aspen	lots of pebbles
5E6	1 ft	brown, silt & some pebbles	good	moderate, sm. buckbrush	
5E7	1 ft	brown, silt & pebbles	fair/poor	moderate, sm. buckbrush	too many rocks, not enough soil.
5E8	5-15 cm	brown, clay & lots of pebbles	fair/poor	moderate, sm. buckbrush	bedrock near surface, v. little soil, mostly pebbles & some clay b/w rocks
5E9	1 ft	reddish-brown, clay, sand, pebbles	good	steep, v. sm. buckbrush	lots of pebbles

17

Sample #	Depth	Colour / Texture	Quality	Veg/Slope	Descriptions
SE10	2 ft	reddish-brown, clay, silt, pebbles	good	steep, moss, lichen, sm. buckbrush	
SE11	1.8 ft	brown, clay, silt, pebbles	good	moderate, moss, lichen, sm. buckbrush	
SE12	2.5 ft	reddish brown mostly clay, some silt, pebbles	good	moderate moss, lichen, sm. buckbrush	
SE13	2.3 ft	reddish brown, mostly clay, some pebbles + grey clay below	good	moderate, moss, lichen, sm. buckbrush	
SE14	3 ft	orangy brown, clay + pebbles	good	moderate moss, lichen, sm. buckbrush	
SE15	15 cm	brown, clay + pebbles	fair	moderate, moss, lichen, sm. buckbrush	shallow bedrock (shale)
SE16	2 ft	brown, clay + pebbles	good	gentle, moss, lichen, grass, sm. buckbrush	
SE17	1 ft	reddish brown, clay + pebbles	good	moderate, moss, lichen, sm. buckbrush	
SE18	1.5 ft	reddish brown, clay, silt, pebbles	good	moderate, moss, lichen, sm. buckbrush	
SE19	1 ft	brown, pebble-rich, some clay + sand	good/fair	moderate, thick caribou lichen, sm. buckbrush	
SE20	10-20 cm	brown, pebbles + sand-rich, some clay	poor	moderate, thick, slippery caribou lichen	broader bedrock 20 deep

12 Aug 31, 2005

Line 8

Tracing from FEB → E8A 13

Sample #	Depth	Color / Texture	Quality	Veg / Slope	Description
8E0	2 ft	brown, clay - some sand & pebbles	good	moderate	yellow buckbrush
8E1	20 cm	brown, pebble-rich w/ some clay	fair/poor	moderate	small buckbrush, v. little soil
8E2	20-25 cm	brown, sand & pebble, v. little clay	fair/poor	moderate	grass, lichen
8E3	1.5 ft	brown, clay + some pebbles	good	moderate	v. sm. fir, sm. buckbrush
8E4	1.2 ft	brown, clay + pebbles	good	moderate	moss, lichen, low shrubs
8E5	1.7 ft	brown, clay + pebbles	good	moderate	moss, lichen, sm. buckbrush
8E6	1.5 ft	brown, clay + pebbles	good	moderate	moss, lichen, sm. buckbrush, sm. horizontal growing fir
8E7	1 ft	brown, lots of pebbles, some clay	good	moderate	sm. buckbrush, moss, lichen
8E8	1.5 ft	brown, clay + pebbles	good	moderate	moss, lichen, sm. buckbrush
8E9	2 ft	brown, clay + pebbles	good	moderate	moss, lichen, grass patches
8E10	20 cm	brown, sand + clay	fair	steep	sparse grass patches
8E11	2 ft	brown, mostly st. clay, some sand	good	steep	moss, lichen, sm. shrub, grass

Sample# Depth Colour/Texture

8E12 2 ft brown, mostly clay

8E13 0.5-1.5 ft brown, clay & pebbles

8E14 0.5-1 ft brown, lots of pebbles
some clay

8E15 25cm brown, lots of pebbles
some clay

8E16 20 cm orangy brown, clay &
pebbles

8E17 1.5 ft grey, clay & pebbles

8E18 1.5-2 ft grey, clay & pebbles

8E19 1.3 ft grayish-brown;
pebbly, some clay

8E20 2.2 ft reddish-brown
pebble-rich, some
clay

Quality Veg/Slope Description

good moderate, ^{large} buckbrush

good/fair moderate, ^{large} buckbrush

fair moderate, sm. buckbrush

fair moderate, sm. buckbrush

good moderate, sm. buckbrush,
moss, lichen (slippery)

good moderate, moss, lichen,
sm. buckbrush

good moderate, moss, slippery lichen,
sm. buckbrush

fair moderate, med-sized buckbrush

good moderate, thick caribou lichen
- can see Ron using corer
200 m away, no dog

8 # SAMPLES	Depth	COLOUR TEXTURE	(good, fair, poor)	Quality	Veg Slope	Description rain cold top of ridge
Aug 30 11E0	15-20 cm	orangy-brown clay + coarse sand/ pebbles		fair	moss, lichen, sm. shrubs gentle slope	
11E1	20 cm	orangy-brown clay (65%) coarse sand/ pebble		fair	moss/lichen/sm. shrubs gentle slope	of ridge
11E2	15 cm	orangy-brown stiff dense clay (10%) + coarse sand/pebbles		good	moss, lichen, sm. shrubs moderate slope	top of ridge
11E3	1.5-2 ft	Some orangy-brown grey pebbles rich mat (70% pebble?)		fair	moss/lichen/sm. gentle slope	top of ridge
11E4	20 cm	orangy-brown, v. pebble-rich (70%+ks)		fair	sparse lichen steep slope, talus cover	raining
11E5	10-15 cm	orangy-brown, coarse sand/pebble-rich		fair-poor	v. steep, talus/ boulder	short visit from Peska
11E6	5-10 cm	brown, mostly pebble, some clay		poor	v. steep, talus/boulder	sparse topsoil b/w boulder
11E7	10-35 cm	brown, mostly pebble, some clay		poor	v. steep, talus/boulder	sparse topsoil b/w boulder
11E8	5-15 cm	orangy brown, mostly pebble, some clay		fair-poor	steep, talus	rocky soil just under talus near sparse sm. shrubs
11E9	5-10 cm	brown, mostly pebble/ some clay		poor	lichen/moss/sm. steep slope, talus	v. rocky soil
11E10	5-10 cm	reddish-brown, mostly pebble, v. little clay		poor	lichen/moss, sm. shrubs moderate slope	some organic, mostly topsoil visit from Peska

Sample #	Depth	Colour/Texture	Quality	Veg/Slope	Description
11E11	25-35 cm	brown, clay ^{some}	good	moderate slope moss, lichen, shrub	hungry
11E12	1.3 ft	orange-brown, mostly clay w/ some coarse sand	good	moderate slope moss, lichen, sm. shrub	hungry
11E13	1.7 ft	brown, clay w/ some coarse sand/pebbles	good	moderate slope moss, lichen, sm. shrub	raining
11E14	1.4 ft	brown, clay - coarse- sand/pebble	good	moderate slope moss, lichen, sm. shrub	raining
11E15	2.2 ft	brown, clay + coarse sand/pebble	good	moderate slope buckbrush, moss, lichen	hungry
11E16	2 ft	brown, clay + coarse- sand/pebble	good	moderate slope buckbrush, sparse fir	hungry
11E17	1.3 ft	brown, clay + coarse sand/pebble	good	moderate slope buckbrush, fir trees	v. hungry
11E18	1 ft	brown, mostly clay + some coarse sand	good	moderate slope fir + annoying, horizontal growing fir	
11E19	1 ft	brown, clay + pebble	fair	moderate, fir + annoying, horizontal growing fir	quite pebble-rich
11E20	10-15 cm	brown, mostly pebbles & coarse sand some clay	poor	steep, buckbrush	just before/ above creek

20 Sept 3, 2005

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Sample #	Depth	Colour / Texture	Quality	Vegetation / Slope	Description
16E0	1.2 ft	brown, clay, sand	good	moderate, buckbrush	
16E1	2.5 ft	brown, clay, silt, sand	good	moderate, buckbrush, some fir	
16E2	2.2 ft	reddish brown, clay, silt, sand	good	moderate, fir, buckbrush	buried float sample taken (gossan) → soil taken from just below (0-6" below)
16E3	0.5-1 ft	brown, clay, silt, sand	poor	moderate, fir, buckbrush	cannot get past buried boulders (mostly granitic)
16E4	1.8 ft	brown, clay, silt, sand	good	moderate, fir, buckbrush	
16E5	2 ft	orangy brown, clay, silt	good	moderate, fir, buckbrush	
16E6	1-2 ft	reddish brown, clay lots of pebbles	good	steep, sparse fir & buckbrush, mostly talus	sample from Mg-rich layer (reddish brown); grey-brown layer above (0.5 ft); yellow brown layer below looks to be derived from gneiss part of this incl in sand
16E6B	* Rock sample → outcrop		(leached sulphides, Mn)		
	↳ may be striking SE & dipping ~ 15°, but orientation due to steep slope.		likely not in original		

Sample #	Depth	Colour/Texture	Quality	Veg/Stone	Description
16E7	2.2 ft	reddish brown $\frac{1}{3}$ grey-brown	good	Moderate, fir	Grey-brown horizon below reddish-brown horizon. Sample mostly reddish-br but also contains some grey-brown
<p>X Sample Drop-off</p> <p>↳ named "Drop" in GPS</p>			043/570 E	6788362 N	
16E8	2 ft	brown, clay, silt, sand, pebbles	good	gentle, fir	
16E9	2 ft	brown, silt, sand, pebbles	good	gentle, fir	
16E10	2 ft	brown, clay, sand, pebble	good	gentle, fir	
16E11	2.5 ft	orange-brown, clay + pebbles	good	gentle, fir	
16E12	1.5 ft	orange-brown, clay + pebbles	good	gentle, fir	Sample from around buried Mn-stained rocks (float)
<p>↳ X rock sample (buried float) 16E20</p>					
16E13	2.2 ft	brown, clay, silt, sand	good	gentle, fir	next to White Creek

14 Sept
START from B

Sample #	Depth	Water
4E0	1 1/2'	subsoil, with
4E1	1'	" "
4E2	1'	dry & yellow brown soil
4E3	1 1/2'	dry brown mix soil
4E4	2'	1. yellow brown mix soil
4E5	2 1/2'	brown pebbly soil
4E6	1 1/2'	" "
4E7	2'	" sandy pebbly soil
4E8	1 1/2'	" " " "
4E9	1 1/2'	yellow soil, clay
4E10	2'	orange brown pebbly soil
4E11	2'	orange shale interface
4E12	2'	" " "
4E13	2'	shale from surface
4E14	surface to 1'	burite - 1. brown soil
4E15	1'	orange clay under a cobble
4E16	1 1/2'	" " in E/W fault
4E17	2 1/2'	orange soil
4E18	2 1/2'	brown soil / clay
4E19	2 1/2'	" "
4E20	2 1/2'	yellow brown clay in pebbles

Number	Slope	Notes
1	steep, dry & brush	No plant life
2	" "	" "
3	steep b.s. - oak @ 2' to 3' up	
4	in 4E2+3 - brighter soil over line more subsoil	Yor
5	fair, steep hl. ; org/ash/ yellow. 1 brown	
6	good, " " no organic	
7	" " " "	
8	fair @ mod, w/le, b.b. ;	fewer fines
9	" " " "	
10	fair mod, b. brush	
11	at 18" fair	
12	brown soil w/ shale ; - mod. b. brush	
13	poor in pose / fault - 50m from location	N side of fault
14	soil - coarse SW/NE fault. shale to burite	
15	bles - fair alpine near ridge crest in Da	
16	just off ridge crest willow, 1/2 orange clay 1/2 gnl/organic	from gnl hole
17	good gross comb moss N. slope	
18	" Steep willow, moss	
19	" " " "	
20	" " " "	

October 15

Sample	Depth	Color	Condition	Vegetation	Other
6E1	2'	light brown	fair	barren	dry, below structure
6E2	1'	reddish brown	good		on hillside
6E3	to 2'	reddish brown	fair		in open charge cliff
6E4	1'	wet, clay like	poor	steep slope	fair @ depth
6E5	1'	yellow brown clay like	fair	steep slope	gravelly talus - active
6E6 - For got w.p.	1'	white clay - small	poor	steep slope	in N. structure
6E7	1 1/2'	gritty y. brown soil	fair		set out for org
6E8	1'	l. brown mix soil	good	willow, mod slope	6" org
6E9	2'	y. brown mix soil	good	alpine willow	fair mix
6E10	2'	" " "	"	"	lots of cobbles
6E11	2-3'	y. brown mix soil between	log of dark org		intermittent org / org mix soil / mix
6E12	surface	" " " beside org	poor	ridge crest	2' org over clay or mix soil / on
6E13	3'	y. brown clay	good	" "	"
6E14	1'	brown soil w/ aggregate	fair	alpine steep	active talus slope
6E15	2 1/2'	gritty - minor rust, brn	good	steep alpine	under ash log mix
6E16	2 1/2'	shady some gray / yellow	good	steep alpine	"
6E17	1 1/2'	l. brown mix on shaly gray	fair	mod willow	"
6E18	2'	org brown soil	poor	grass	mod steep - organic
6E19	2'	org / charge - orgish	good	b.b. steep	barite / ash log
6E20		between rx		willow mod, N.	present
6E20	1 1/2 to surface	orgish mix soil from C-N horizon	poor	willow mod	
		- to A or B			

STRIK SAMPLE #	Depth	Color Texture	Quality	Vegetation Slope	Des cription
9E0	1.5'	light brown	good	V. Steep alpine	bluish 50m
9E1	1.5-2'	gray shale	fair	" talus	in shale
9E2	" "	gray pebbly	"	steep talus	fair shale
9E3	1.5'	clay pebbly brown	fair	" L. sand	talus shale clay over soil
9E4	<1'	clay brown	fair	" alpine talus	vertical hill
9E5	1.5-2'	yellowish clay	good	steep, alpine	bright yellow clay between 4 & 5
9E6	1.5-2'	brown silt/clay	good	mod alpine	talus log
9E7	<1'	light brown clay	fair	in NW fault	9" x 4" soil block
9E8	<1'	yellow/brown clay	good	ridge crest	reflects geom. change
9E9	Surface	brown clay	poor	N face talus	steep
9E10	"	yellow clay	"	"	crevice - NW
9E11	surface	brown clay	poor	"	dry water min soil
9E12	1.5'	gray clay, pebbly	poor	steep face alpine	poor
9E13	2'	pebbly clay brown	poor	"	"
9E14	2'	tan clay over shale	poor - 2 1/2'	"	vertical
9E15	2'	tan clay over shale	poor	willow steep	bed influence
9E16	surface	under moss	poor	in creek bed (non-alpine)	tests present
9E17	"	"	"	"	"
9E18	-	shale cap - from	"	over slope #20	wick/bush for
9E19	"	"	"	"	"
9E20	"Soil" from eroded rock 102m S of 9E90 A site		"	view Strik NE - dip mod NW	min Xantophyllin

Sample #

14E1

color
structure

14E2

14E3

14E4 17

14E1

2'

brown sandy

fine

14E2

orange brown sandy

14E2

1 1/2'

brown sandy

fine

slip 1/2'

granite 1/2'

14E3

1 1/2'

orange brown sandy

poor

- schist granite 1/2'

14E4

1 1/2'

felsic sand

fair

orange ash 1' below sample

14E5

2'

orange brown shale

fair

phytic shale @ 2'

14E6

1'

orange brown shale

poor

near thick BB

schist 1/2' below

14E7

1'

orange brown shale

poor

granite 1/2'

14E8

1 1/2'

organic to 1/2'

poor

fine ash bottom

14E9

3'

pebbly brown sand

poor

small - ash layer @ 1 1/2'

14E10

2'

orange sand

fine

gentle fine - ash, clay to 12" then orange

14E11

1 1/2'

clay to 1/2'

poor

Sample

hole

12E1

ft. exposed in hole - not shown in "plan"
rx, near base

12E1

1/2'

brown pebbly

12E2

1/2'

brown pebbly soil to 1" then red

12E3

1/2'

orange soil in schist soil

12E4

2"

1. brown soil, no horizons

12E5

1/2'

orange soil in fls schist soil

12E6

?

forgot to list

12E7

2'

orange dirt in fls schist soil

12E8

1'

orange soil in qtz + qtz

E8 is in mica & w/o fault - 2 holes to 2'

12E9 - in same fault

↳

1/2'

brown soil / pebbly qtz

12E10

1/2'

decomposed qtz / mica schist

12E11

2'

" " " "

12E15 - orange clay (abundant) above

12E12

Ø

sericite schist bedrock @

12E13

Ø

No soil level

12E14 @ end of line @ E12B - steep asp

rx + qtz - poor, v. steep

6" fls schist in aphanitic white ground 12E1

in "fault" block, ash clay layer at top face

steep, brown

not deep enough

crop - good

" " " "

good

" " " "

mobile slope?

berg - fair?

fls / b. schist med

small sample / fine

fair

steep fls

red - schist of fine

fair

63 + fls

- granitic on surface

shalt - poor

" "

too shallow

in shattered qtz / qtz schist w/o soils.

fair?

in fls

?

" "

steep, nearly below

?

" "

qtz / sch in hole 12E11, above ash layer on wall

1"

steep - soil particles between fls
- no real soil level

3E0	6in.	low gray	fair
3E1	1ft	low gray	fair
3E2	1 1/2 ft	orange brown clay	poor
3E3	1ft	orange brown clay	poor
3E4	1 1/2 ft	low brown gray	fair
3E5	1ft	low gray	fair
3E6	1 1/2 ft	low gray	fair
3E7	2ft	light brown gray	fair
3E8	1ft	light brown gray	fair
3E9	2 1/2 ft	brown orange gray	fair
3E10	1ft	brown gray	fair
3E11	1ft	green gray	poor
3E12	1ft	red clay	poor
3E13	1ft	low gray	poor
3E14	2 1/2 ft	low gray	fair
3E15	2ft	brown gray clay	fair
3E16	1ft	brown, rocky	poor
3E17	3ft	low clay	good
3E18	2ft	gray brown	fair
3E19	2ft	orange brown clay	poor
3E20	2ft	brown gray clay	good

Moderate, Alpine	permafrost
Moderate, Alpine	permafrost
Steep, Alpine	but brown
Moderate, Alpine	but brown
Moderate, Alpine	but brown
Moderate	Alpine
Moderate, Alpine	permafrost
Moderate	Alpine
Moderate	Alpine
Steep	Alpine
Moderate, Alpine	permafrost
steep	Alpine
Moderate, Alpine	permafrost
Steep	Alpine
Moderate, Alpine	permafrost
Moderate	Alpine
Moderate	Alpine
Moderate	talus/Alpine
Moderate	Alpine
Moderate	Alpine
Moderate	Alpine

7E0	6in	
7E1	6in	
7E2	1	
7E3	1.5	gray brown clay
7E4	1	gray clay
7E5	2+	brown clay
7E6	1	
7E7	1	
7E8	1.5	gray clay
7E9	1	gray clay
7E10	2+	gray clay
7E11	1	gray clay
7E12	1	gray clay
7E13	1	gray clay
7E14	2+	brown clay
7E15	1	gray clay
7E16	1	gray clay
7E17	1.5	gray clay
7E18	1	gray clay
7E19	1	gray clay
7E20	1	gray clay

poor	steep slope	Alpine
poor	steep slope	Alpine
fair	moderate slope	Alpine
fair	steep slope	Alpine
fair	steep slope	Alpine
fair	steep slope	Alpine
poor	steep slope	Alpine
poor	steep slope	Alpine
poor	moderate slope	Alpine
poor	moderate slope	Alpine
good	moderate slope	Alpine
fair	moderate slope	Alpine
fair	steep slope	Alpine
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fair	steep slope	Alpine
fair	steep slope	Alpine
fair	steep slope	Alpine
good	steep slope	Alpine
fair	steep slope	Alpine
fair	steep slope	Alpine
fair	steep slope	Alpine
good	steep slope	Alpine

	Depth	Color text.	Quality	Exposure	Remarks
13E0	2 1/2 ft	brown, gray	good	steep	Alpine/brush
13E1	2 ft	orange, brown, gray	good	steep	Alpine/brush
13E2	2 ft	gray, brown	fair	steep	rocky
13E3	2 ft	gray, brown	good	steep	Alpine/brush
13E4	1 1/2 ft	brown, gray	poor	steep	Alpine/brush
13E5	2 ft	orange, brown	poor	steep	Alpine/brush
13E6	2 ft	gray, brown	poor	steep	Alpine/brush
13E7	2 ft	gray, brown	poor	steep	Alpine/brush
13E8	2 ft	gray, brown	poor	steep	Alpine/brush
13E9	2 ft	gray, brown	poor	steep	Alpine/brush
13E10	2 ft	gray, brown	poor	steep	Alpine/brush
13E11	2 ft	gray, brown	poor	steep	Alpine/brush
13E12	2 ft	gray, brown	poor	steep	Alpine/brush
13E13	2 ft	gray, brown	poor	steep	Alpine/brush
13E14	2 ft	gray, brown	poor	steep	Alpine/brush
13E15	2 ft	gray, brown	poor	steep	Alpine/brush
13E16	2 ft	gray, brown	poor	steep	Alpine/brush
13E17	2 ft	gray, brown	poor	steep	Alpine/brush
13E18	2 ft	gray, brown	poor	steep	Alpine/brush
13E19	2 ft	gray, brown	poor	steep	Alpine/brush
13E20	2 ft	gray, brown	poor	steep	Alpine/brush
13E21	2 ft	gray, brown	poor	steep	Alpine/brush
13E22	2 ft	gray, brown	poor	steep	Alpine/brush
13E23	2 ft	gray, brown	poor	steep	Alpine/brush
13E24	2 ft	gray, brown	poor	steep	Alpine/brush
13E25	2 ft	gray, brown	poor	steep	Alpine/brush
13E26	2 ft	gray, brown	poor	steep	Alpine/brush
13E27	2 ft	gray, brown	poor	steep	Alpine/brush
13E28	2 ft	gray, brown	poor	steep	Alpine/brush
13E29	2 ft	gray, brown	poor	steep	Alpine/brush
13E30	2 ft	gray, brown	poor	steep	Alpine/brush
13E31	2 ft	gray, brown	poor	steep	Alpine/brush
13E32	2 ft	gray, brown	poor	steep	Alpine/brush
13E33	2 ft	gray, brown	poor	steep	Alpine/brush
13E34	2 ft	gray, brown	poor	steep	Alpine/brush
13E35	2 ft	gray, brown	poor	steep	Alpine/brush
13E36	2 ft	gray, brown	poor	steep	Alpine/brush
13E37	2 ft	gray, brown	poor	steep	Alpine/brush
13E38	2 ft	gray, brown	poor	steep	Alpine/brush
13E39	2 ft	gray, brown	poor	steep	Alpine/brush
13E40	2 ft	gray, brown	poor	steep	Alpine/brush
13E41	2 ft	gray, brown	poor	steep	Alpine/brush
13E42	2 ft	gray, brown	poor	steep	Alpine/brush
13E43	2 ft	gray, brown	poor	steep	Alpine/brush
13E44	2 ft	gray, brown	poor	steep	Alpine/brush
13E45	2 ft	gray, brown	poor	steep	Alpine/brush
13E46	2 ft	gray, brown	poor	steep	Alpine/brush
13E47	2 ft	gray, brown	poor	steep	Alpine/brush
13E48	2 ft	gray, brown	poor	steep	Alpine/brush
13E49	2 ft	gray, brown	poor	steep	Alpine/brush
13E50	2 ft	gray, brown	poor	steep	Alpine/brush

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	Depth		Drainage	Veg	Landscape
18E0	2ft	grey/brown clay	good	moderate	Alfalfa/grass
18E1	2ft	brown sandy	fair	moderate	dry creek bed
18E2	2ft	brown sandy	fair	flat	grassy field
18E3	2ft	brown sandy	good	moderate	dry creek bed
18E4	2ft	dark brown/grainy clay	good	moderate	dry creek bed
18E5	3ft	brown grainy clay	good	flat	grassy field
18E6	2ft	greyish brown	fair	flat	grassy field
18E7	2ft	brown/black sandy	fair	flat	willows/creek
18E8	2ft	brown clay	fair	flat	willows/creek
18E9	1ft	brown sandy	poor	moderate	willows/creek
18E10	1ft	reddish orange brown	poor	moderate	willows/creek
18E11	2ft	orange/brown grainy clay	fair	moderate	pine/fir trees

SAMPLE DESCRIPTIONS

APPENDIX B

GEOCHEMICAL SHEETS

FINLAYSON

Prepared by

Ron S. Berdahl



Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga, Se, Sample gm. Rows include samples G-1 to 7E15 and STANDARD DS6.

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



GEOCHEMICAL ANALYSIS CERTIFICATE



Berdahl, Ron File # A507883 Page 1
Box 1125D, Whitehorse YT 1A 6N4 Submitted by: Ron Berdahl

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	Au* ppb
G-1	1	2	51	75	<.3	3	4	474	1.67	2	<8	<2	4	44	.6	<3	<3	34	.42	.070	6	9	.56	177	.10	3	.86	.04	.43	<2	<.5
16E 2	<1	181	<3	1380	4.6	40	28	665	>40	<2	14	<2	5	2	<.5	<3	4	8	.02	.013	15	16	<.01	36<.01	<3	.89<.01	.01	<2	<2	4.6	
16E 6B	17	200	9	323	.4	125	18	161	7.83	2	11	<2	3	10	1.2	<3	<3	44	.10	.108	12	76	1.31	492	.01	<3	1.76<.01	.23	<2	8.4	
19E 0	4	15	40	109	.5	5	11	186	4.18	117	8	<2	5	4	<.5	5	<3	59	.09	.062	22	30	.63	90<.01	<3	1.11	.01	.14	<2	.6	
19E 1	1	137	135	70	1.6	22	17	592	25.04	116	<8	<2	3	19	<.5	8	<3	17	1.46	.018	6	15	.77	22<.01	3	1.02	.02	.08	<2	10.0	
19E 2	1	96	47	38	4.1	<1	4	20	17.90	115	<8	<2	2	1	<.5	8	<3	8	.01	.003	3	.5	<.01	9<.01	<3	.23	.01	.13	<2	32.6	
19E 3	1	31	79	72	1.1	28	6	393	5.19	44	8	<2	4	10	<.5	4	<3	25	.22	.106	6	15	.87	65<.01	<3	1.40<.01	.13	<2	29.2		
19E 4	2	772	4	37	<.3	9	3	204	1.78	4	<8	<2	<2	1	<.5	<3	4	12	.01	.004	4	10	.14	17<.01	<3	.36<.01	.03	<2	.9		
19E 5	1	611	127	52	9.7	<1	24	161	24.54	44	<8	<2	4	2	<.5	3	11	10	<.01	.004	6	7	<.01	10<.01	<3	.21	.01	.07	<2	34.9	
19E 6	1	62	<3	111	<.3	28	3	38	3.47	2	<8	<2	2	2	<.5	<3	<3	6	.02	.031	7	7	.01	128<.01	<3	.20<.01	.06	<2	3.2		
5RK16-1	3	87	15	38	.6	20	8	113	3.92	27	10	<2	7	263	<.5	<3	<3	57	2.77	.089	8	40	1.23	241	.10	5	4.32	.33	.97	<2	3.2
5RK16-2	<1	17	62	80	.5	10	3	185	1.69	2746	<8	<2	6	7	<.5	<3	4	6	.02	.016	12	10	.22	82<.01	4	.50	.02	.08	<2	70.8	
5RK16-3	1	49	7	24	<.3	10	4	124	.77	18	<8	<2	<2	9	<.5	<3	<3	5	.07	.029	2	13	.09	23<.01	<3	.20<.01	.04	<2	4.2		
RE 5RK16-3	1	50	7	23	<.3	11	4	125	.77	13	<8	<2	<2	9	<.5	<3	3	4	.07	.030	2	7	.09	23<.01	<3	.20<.01	.04	<2	1.8		
5RK16-4	1	18	19	12	<.3	3	1	44	.53	51	<8	<2	<2	6	<.5	<3	4	2	.03	.011	2	11	.06	20<.01	<3	.15	.01	.01	<2	5.5	
5RK16-5	6	97	96	507	1.1	66	5	42	5.32	278	<8	<2	3	59	.6	18	<3	70	.44	.326	12	18	.02	243<.01	10	.71<.01	.14	<2	13.8		
5RK16-6	<1	19	13	64	<.3	21	6	210	3.93	20	<8	<2	2	6	<.5	<3	<3	28	.05	.040	7	21	.69	28<.01	<3	1.47	.01	.04	<2	2.8	
5RK16-7	2	97	80	91	<.3	14	15	2362	2.16	5	<8	<2	8	11	<.5	<3	9	10	.05	.032	18	10	.34	75<.01	<3	1.09	.03	.18	<2	<.5	
5RG1-1	1	20	105	11	1.8	3	1	26	3.24	43	10	<2	<2	1	<.5	5	<3	5	<.01	.004	4	6	<.01	42<.01	<3	.12<.01	.07	<2	24.6		
5RG1-2	1	14	31	97	.4	4	4	133	2.91	39	<8	<2	<2	4	<.5	3	<3	11	.02	.017	6	9	.35	88<.01	<3	.72	.02	.14	<2	10.7	
5RG1-3	2	284	5935	9137	8.9	47	18	2687	1.07	18	<8	<2	<2	52	62.8	<3	12	26	4.56	.144	6	34	.36	228	.17	<3	.49<.01	.01	<2	7.0	

APPENDIX C

PROJECT PERSONNEL

FINLAYSON

Prepared by

Ron S. Berdahl

APPENDIX C

PROJECT PERSONNEL

Personnel	Address	Task
Ron Berdahl	Whitehorse, Yukon	Soil Sampler/Prospectors
Mike Mark	Whitehorse, Yukon	Soil Sampler
Kiyoko Nakano	Vancouver, BC	Soil Sampler/Prospector

APPENDIX D

STATEMENT OF COSTS

FINLAYSON

Prepared by

Ron S. Berdahl

APPENDIX D

STATEMENT OF COSTS

Helicopter:	(Kluane)		\$ 3,450.00
Truck:	1,000 km @ \$0.485/km		485.00 520.00
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 @ \$18/	S/B 1588	5,220.00 4605.20
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

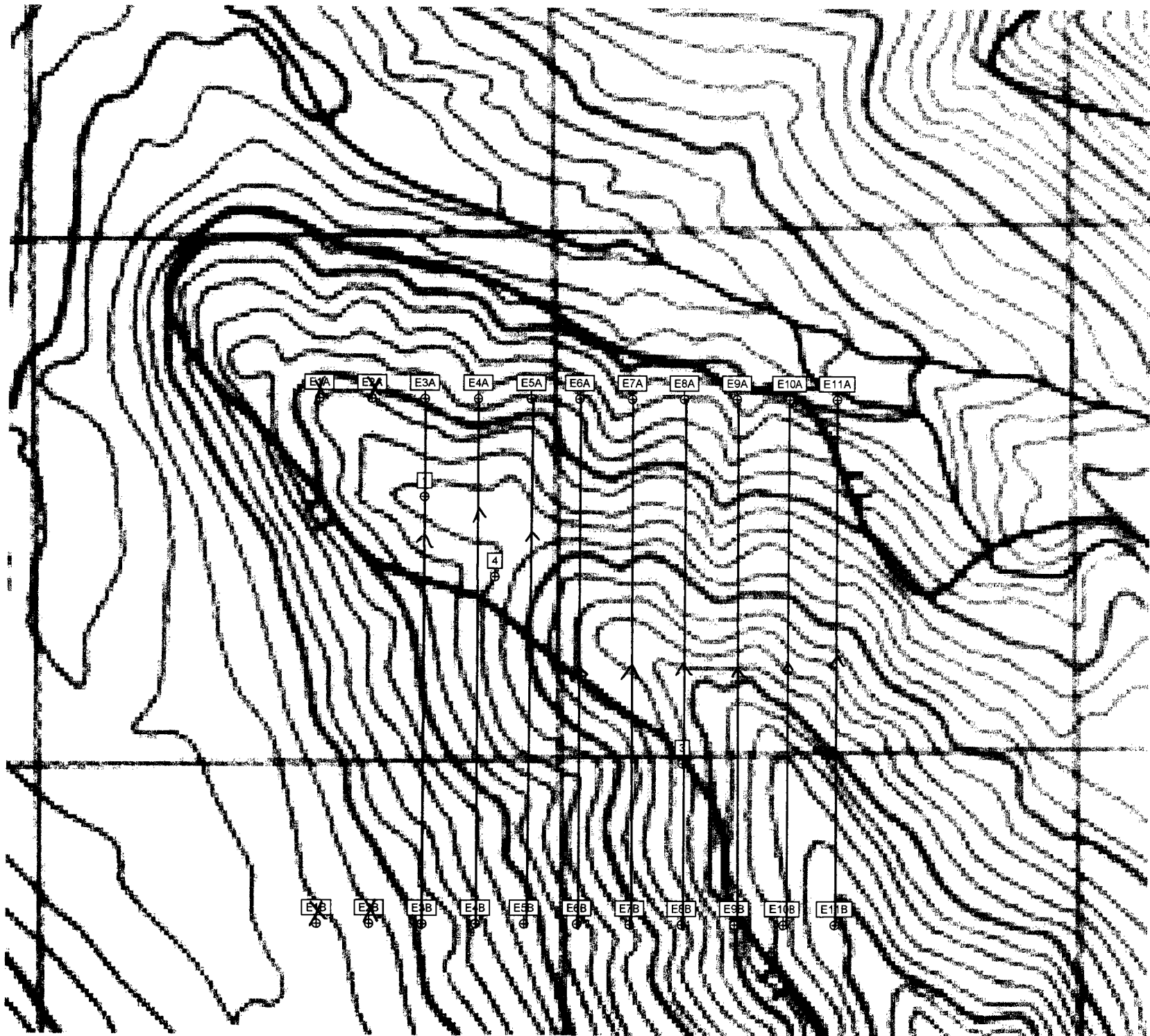
APPENDIX E

SAMPLE LOCATION MAP

FINLAYSON

Prepared by

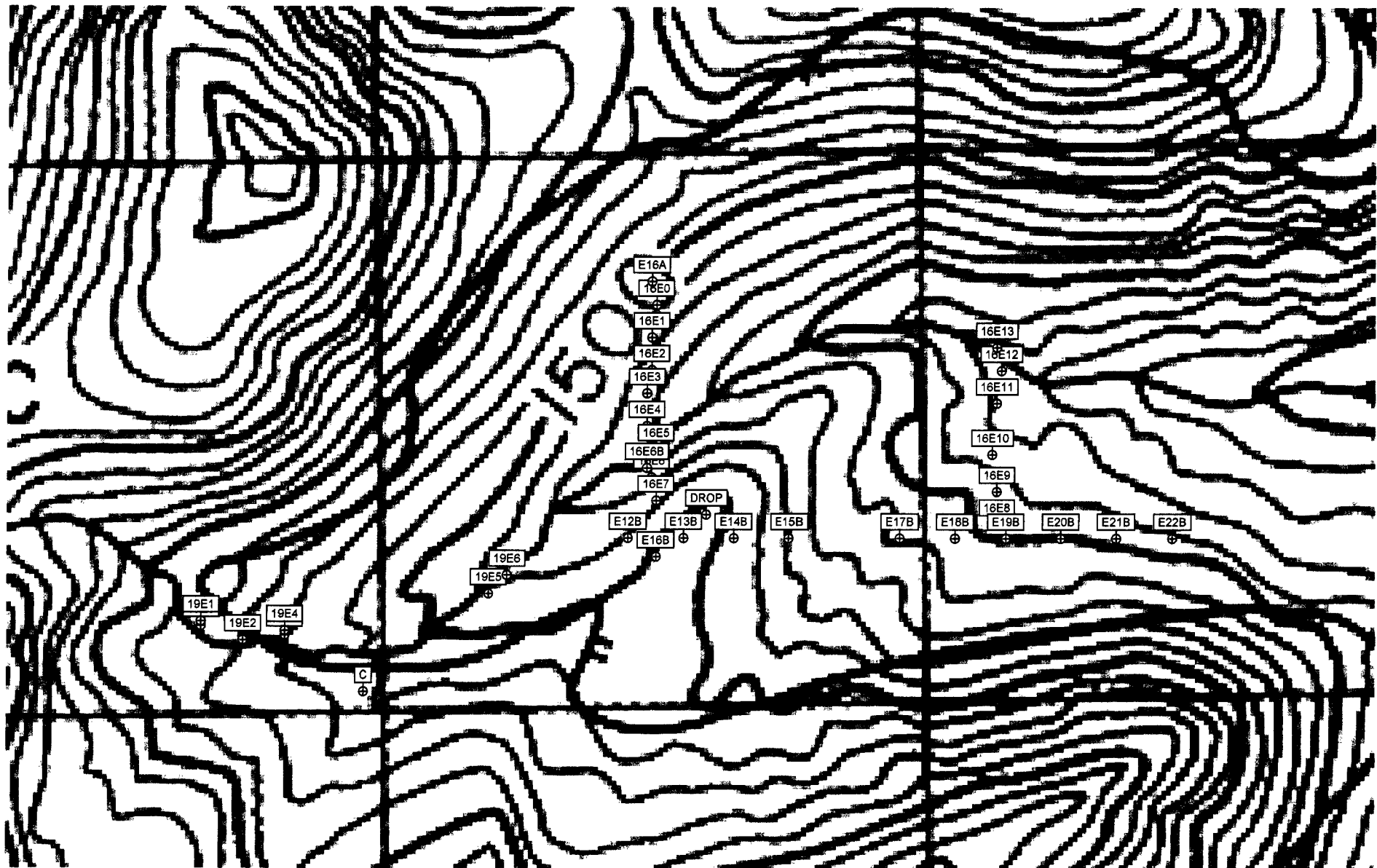
Ron S. Berdahl



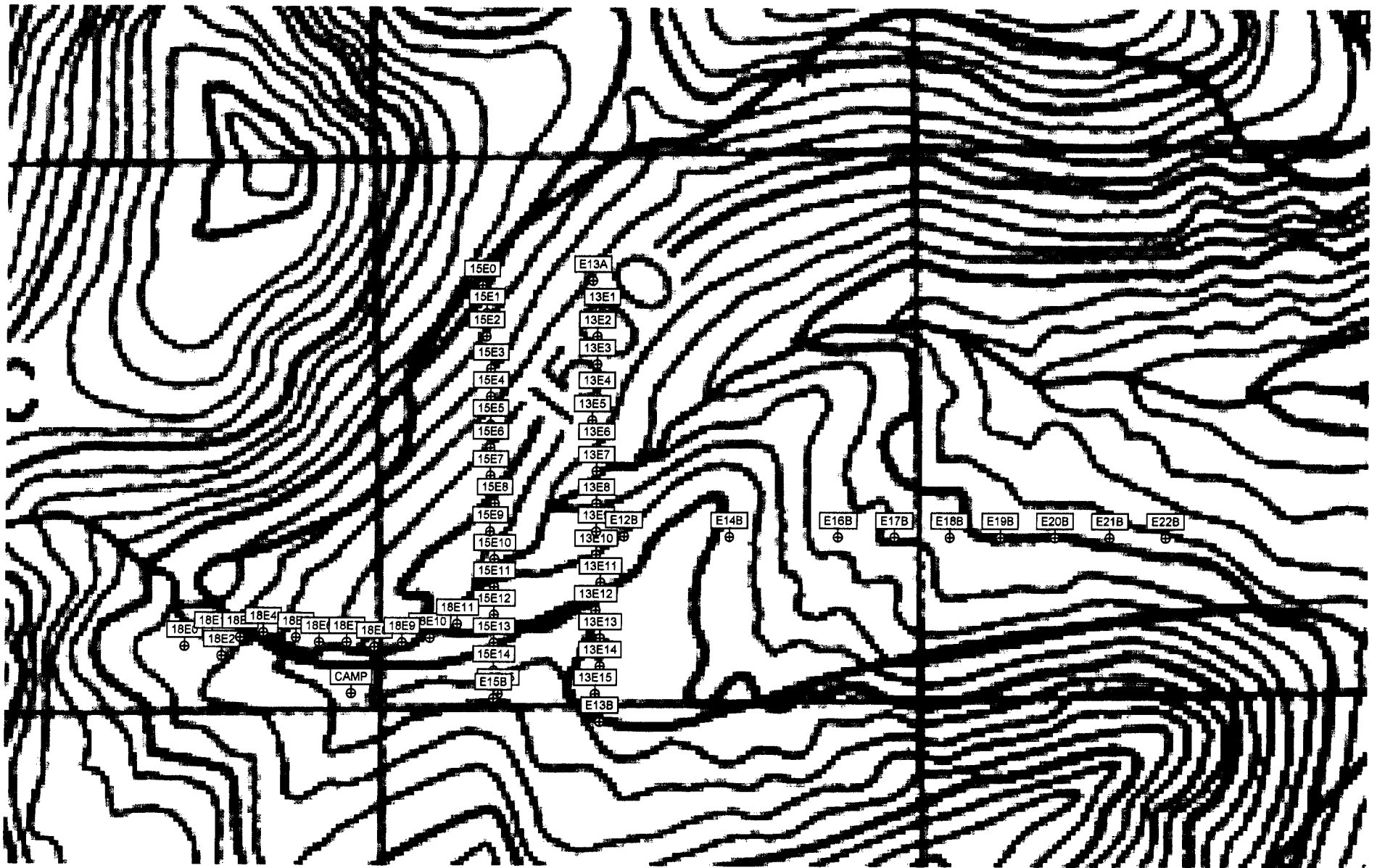
↑
N
1:10,000

EXPO
EAST BLOCK
GRID

SAMPLE #'S
Increase to the
North

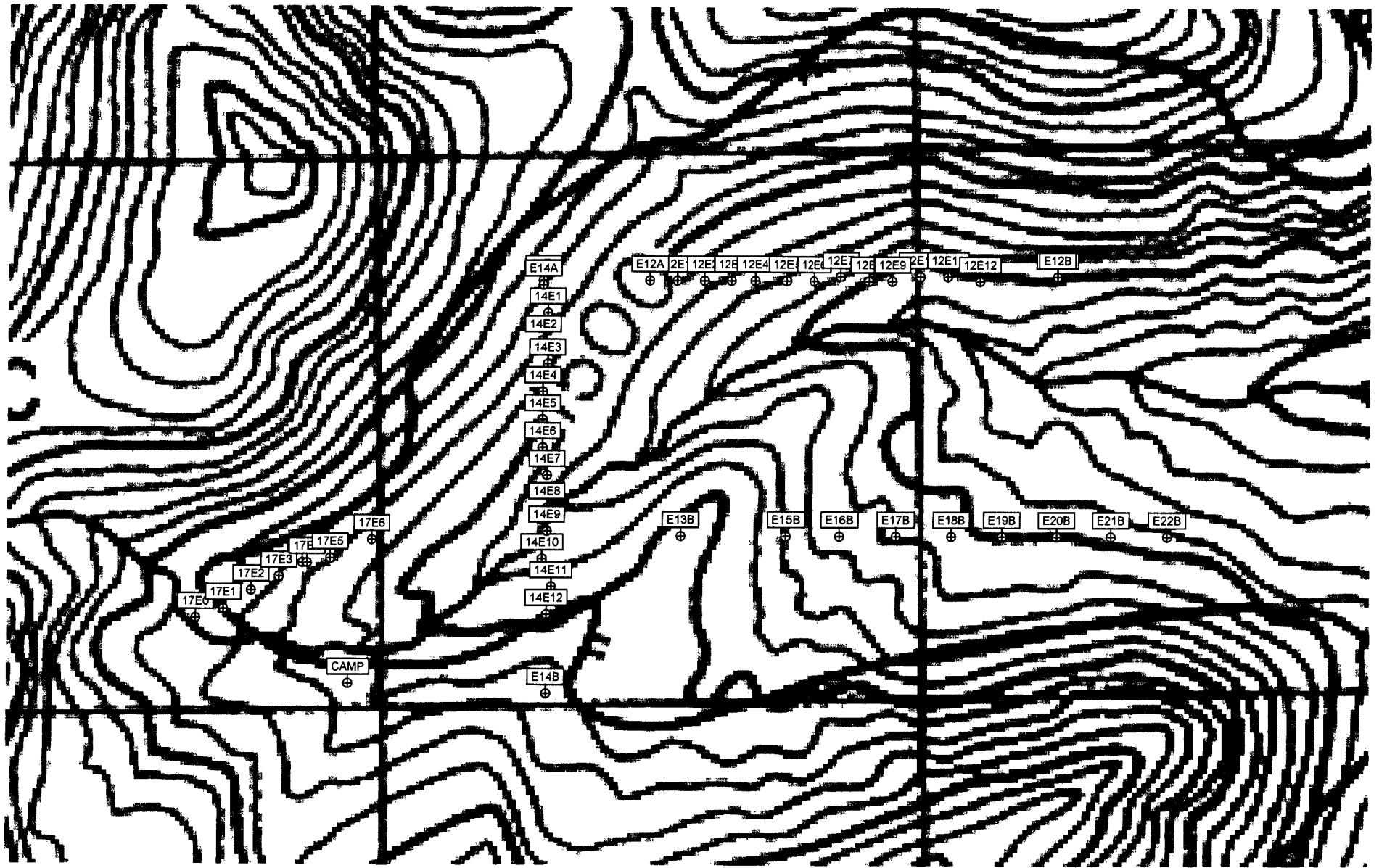


Sample locations
West Block



↑
N

Sample Locations
West Block



Sample Locations
West Block

APPENDIX F

STATEMENT OF QUALIFICATIONS

FINLAYSON

Prepared by

Ron S. Berdahl

STATEMENT OF QUALIFICATIONS

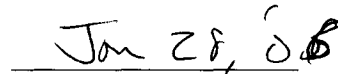
I, Ron Berdahl, declare I am an independent prospector who has worked on the Finlayson area for the 2005 field season.

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

Yukon Energy, Mines & Resources Library



1000762911

DATE DUE