

826669

Cat 1-4  
Property Exam.  
92H/15E

**MINNOVA INC.**

DATE: January 17, 1991  
TO: Ian Pirie.  
COPIES TO: NTS File. 92H 15/E  
FROM: Dave Heberlein.  
SUBJECT: Cat 1-4 Claims, Aspen Grove, B.C.

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General:

The Cat 1-4 claims straddle Highway 5 immediately south of Aspen Grove, B.C. They cover several copper occurrences in Triassic Nicola Gp. volcanic and sedimentary rocks on the east side of Kidd Lake.

The property lies on a broad northerly trending zone of Cu and Cu-Au occurrences extending from south of Princeton to Nicola Lake. Porphyry, skarn, and structurally hosted mineralized zones are most common. Most of these lie in or peripheral to Triassic age alkalic diorite, monzonite and syenite stocks that intrude the Nicola sequence. The target on the property is a stratabound disseminated Cu-Au occurrence.

Claims and Ownership:

The property is owned by:

Mr Jim Randa,  
106-1370 Duchess Avenue,  
West Vancouver, B.C.  
V7T 1H6.

Claim data is as follows:

<u>Claim</u>	<u>Rec. No.</u>	<u>Units</u>	<u>Expiry Date.</u>
CAT 1	2137	6	01-15-1991
CAT 2	2138	6	01-15-1991
CAT 3	2159	20	02-23-1991
CAT 4	2160	21	02-24-1991
<b>TOTAL</b>		<b>43 UNITS</b>	

### Property History:

The property area has seen intermittent exploration since the late 1800's. The first well documented exploration was done by White River Mines Ltd. in 1972. They carried out an extensive program consisting of mag, IP, soil and geological surveys. Several low grade copper occurrences were identified by this work. Follow-up trenching and 6318' of diamond drilling (14 holes) resulted in the identification of a linear, disseminated chalcopyrite zone hosted in calcareous sediments and volcanic breccias. Best intersections from this zone were 1.45% Cu over 5m, 0.83% Cu over 18m, and 1.40% Cu over 10m.

According to the property owner, only five of the 14 drill holes were split and assayed. He has observed similar mineralization in the unsampled holes (?!).

Tri-Power Minerals Corp. drilled two percussion holes into the mineralized zone in 1977. The first hole was lost in overburden, but the second hole encountered visible chalcopyrite mineralization over an interval of 250 feet. No assays are reported from this hole.

D.R. Morgan staked the Ox 1-3 claims over the mineralization in 1981 and 1982 and produced a detailed geological map of the showing area. Again the claims were allowed to lapse.

In 1984, Vanco Explorations Ltd. restaked the southern part of the claim area and carried out a preliminary rock and soil geochemical survey over the showings. Results of this work were negative and they dropped the property.

The current owner staked the Cat 1-4 claims early in 1989. The claims were optioned to Rise Resources Ltd, who re-assayed the mineralized intersections in the 1972 drill holes. The copper grades were reproduced, however a 0.07opt Au value from the original assays could not be duplicated.

### Summary and Recommendation:

The primary exploration target on the property is a relatively low grade, short strike length disseminated chalcopyrite zone. It

is hosted by calcareous argillite, limestone and green, heterolithic breccia (lahar?). Copper mineralization was intersected over widths of up to 18m in three diamond drill holes that indicate a minimum strike length of 120m. This zone returned assays of up to 1.45% Cu and 0.07 opt (2.11g/T) Au.

Coincident chargeability, magnetic and a weak copper soil anomaly outline the position of the mineralized zone. These features extend to the south for a distance of over 700m (see attached compilation).

A strong aeromag anomaly located on the Cat 4 claim (see claim map) is interpreted to be an intrusive. Syenitic float containing traces of chalcopyrite has been noted near this feature.

Although there is good exploration potential for more of the same style of mineralization along the coincident magnetic and copper anomalies, the possibility of finding a large tonnage bulk minable deposit is small. The mineralization appears to be confined to relatively narrow, perhaps stratabound zones that would not be amenable to open pit mining.

The aeromag anomaly on the Cat 4 claim is unexplained. Weakly mineralized syenitic float from near the anomaly may indicate the presence a porphyry system. To my knowledge, this target has not been evaluated.

The property is not recommended for option at this time. It may be worth arranging a visit to the area this spring to check out the aeromag anomaly. If it is caused by a mineralized intrusion there should be some indications on the ground, especially if it is big enough to be of interest.

D.R. HEBERLEIN.

CAT #3

Aspen Grove

- 7 MAREDON BRECCIA.
- 6 GREY DIORITE/HETEROLITHIC Bx.
- 5 DACITE TUFF.
- 4 PYROXENE PHYRIC BASALT.
- 3 GREEN HETEROLITHIC BRECCIA.
- 2 CALCAREOUS ARGILLITE/LIMESTONE.
- 1 LIMY TUFFS.

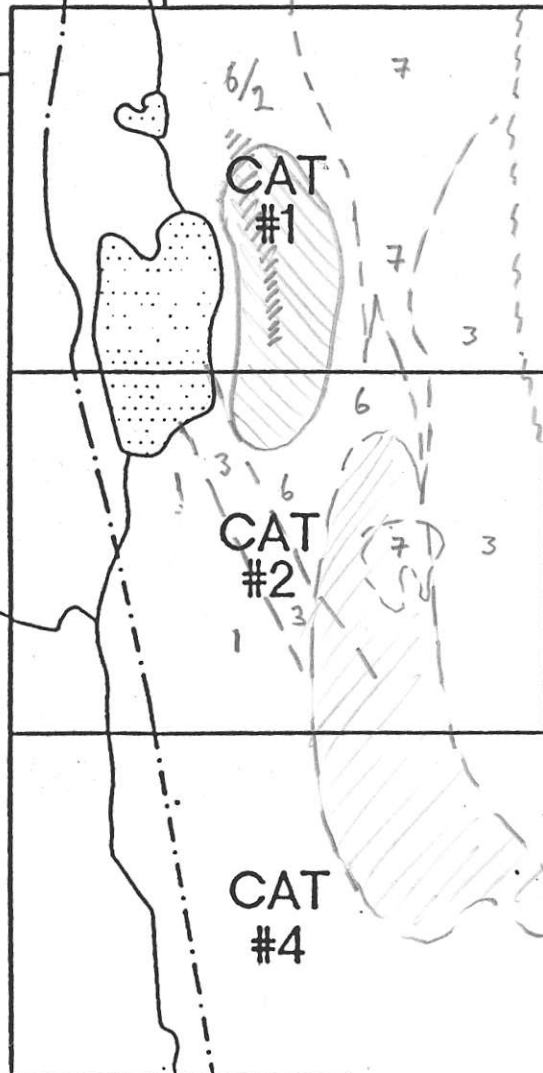
IP ANOMALY

AEROMAG ANOMALY

TRACE OF MINERALIZATION

LEGEND

- Highway
- River
- Claim bounda



KIDD CLAIMS PROPERTY

NICOLA MINING DIVISION, B.C. NTS: 92H/15E

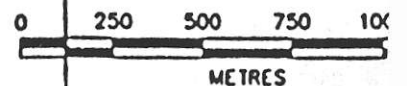
CLAIM MAP

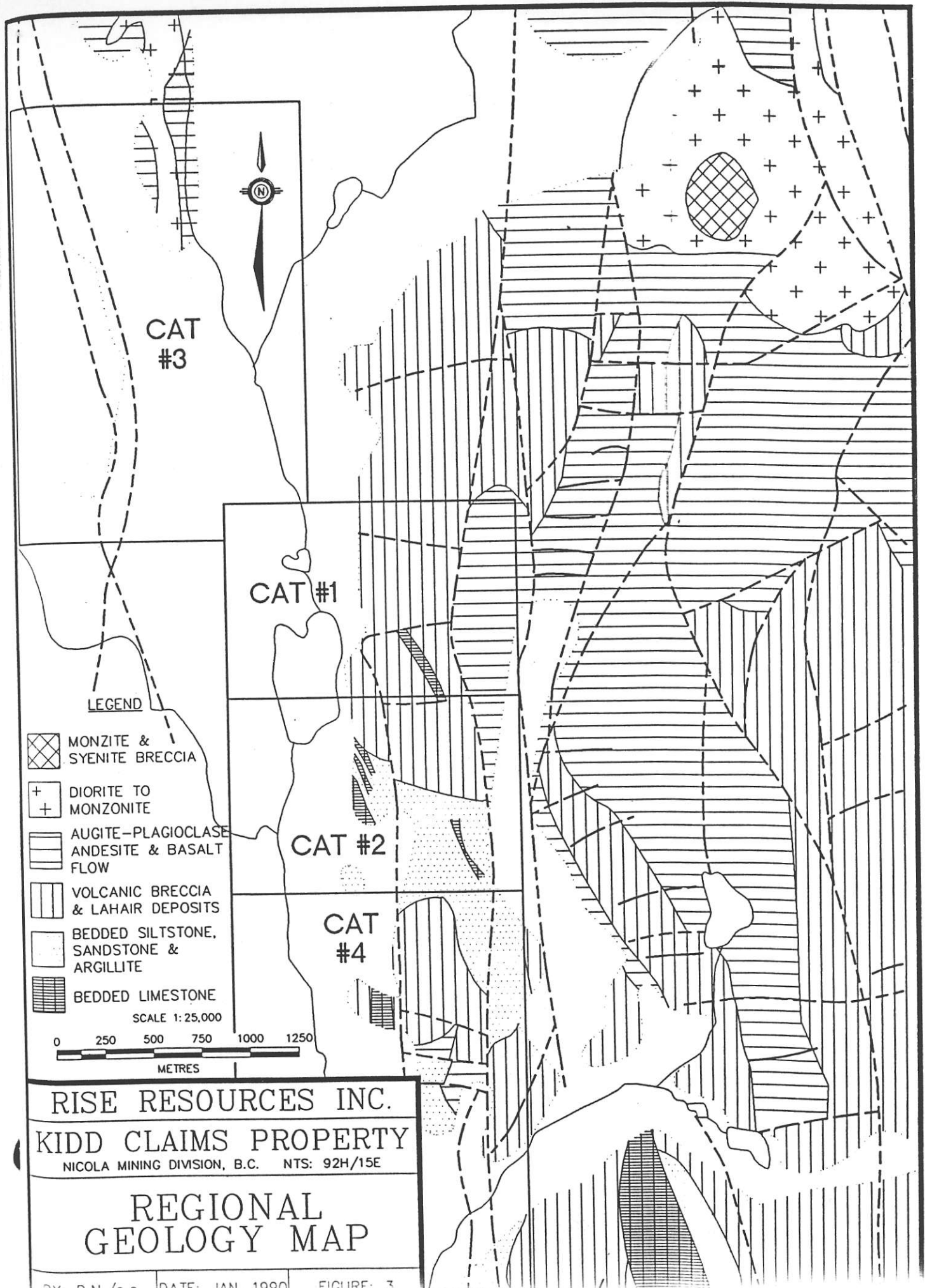
BY: D.N./p.s.

DATE: JAN. 1990







FIGURE: 2

SCALE 1:25,000

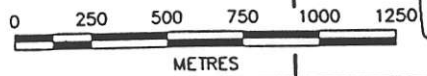




LEGEND

-  MONZITE & SYENITE BRECCIA
-  DIORITE TO MONZONITE
-  AUGITE-PLAGIOCLASE ANDESITE & BASALT FLOW
-  VOLCANIC BRECCIA & LAHAIR DEPOSITS
-  BEDDED SILTSTONE, SANDSTONE & ARGILLITE
-  BEDDED LIMESTONE

SCALE 1:25,000

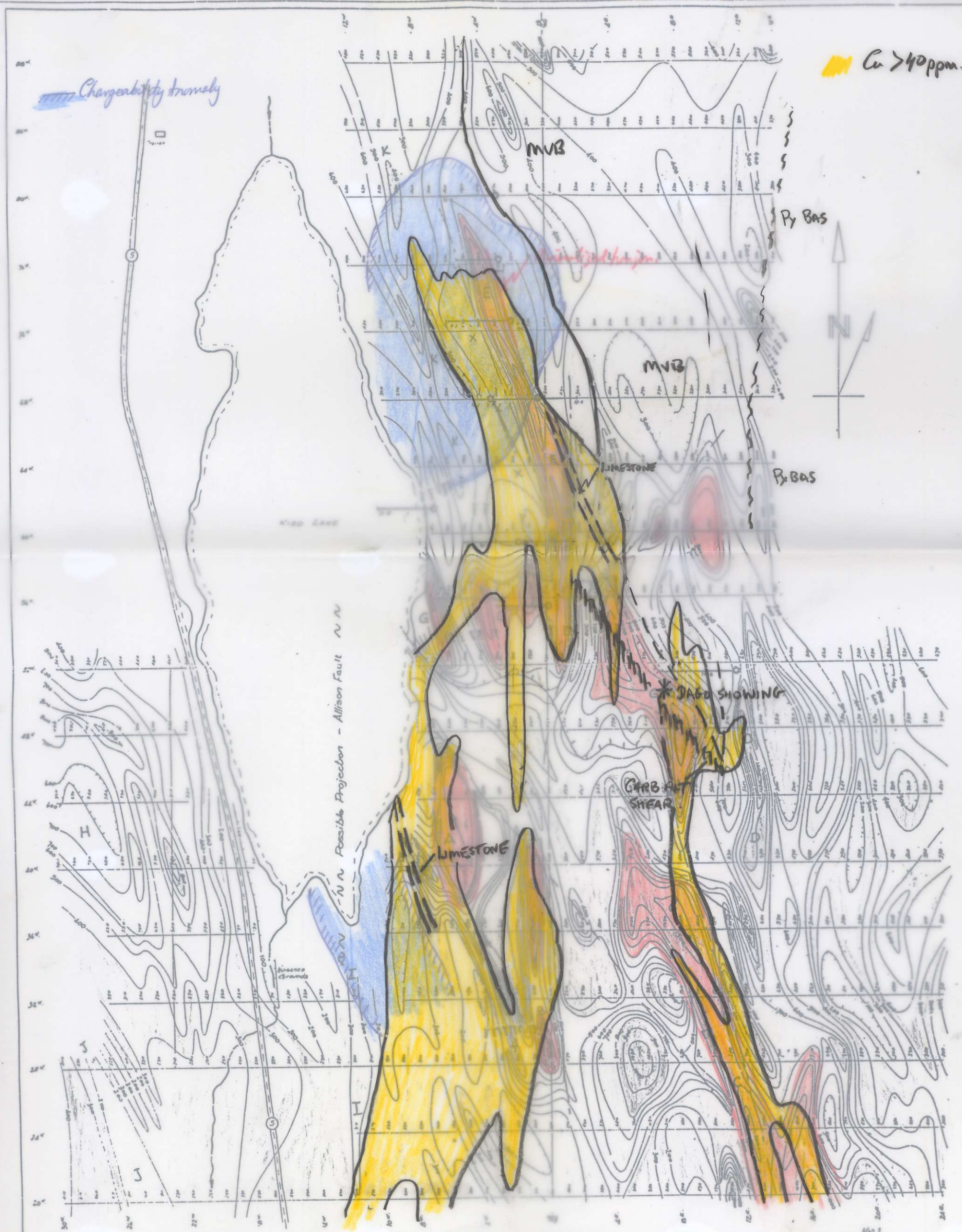


RISE RESOURCES INC.  
KIDD CLAIMS PROPERTY  
NICOLA MINING DIVISION, B.C. NTS: 92H/15E

REGIONAL  
GEOLOGY MAP



# CAT 1-4 CLAIMS, ASPEN GROVE, B.C.



Cu > 40ppm.

- 800-1000+
- 600-800
- 400-600
- 200-400

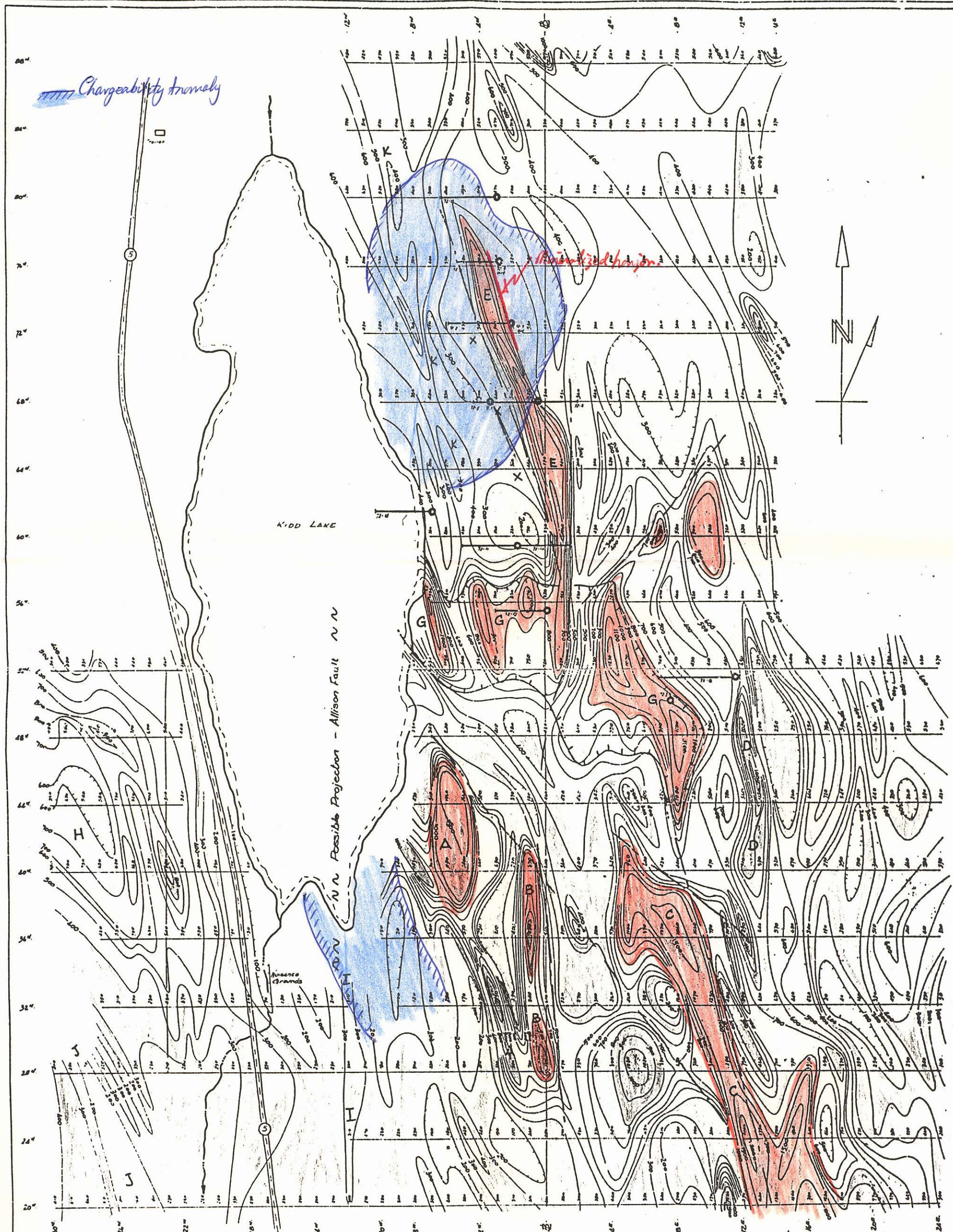
INSTRUMENT - Scintrex Model MF 2 (incl field flux gate) corrected for diurnal variation  
 SENSITIVITY - 20 F scale division for readings < 1000  
 50 F scale division for readings > 1000  
 OPERATOR - DAN TANCONY  
 SUPERVISOR - CHAS A R LAIVLE, PENS

3789 M-13

WHITE RIVER MINES LTD (NPL)  
 VANCOUVER  
 DAGO - OPEN CLAIMS  
 APRIL 1982 TO JUNE 82  
 GROUND MAGNETICS

CLAIM - GEOLINE CONFIGURATION



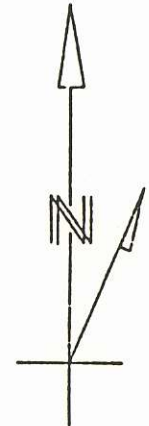


Chargeability anomaly

KIDD LAKE

Allison Fault

Mineralization



- 800-1000 +
- 600-800
- 400-600
- 200-400

INSTRUMENT - Scintrex Model MF 2 (port field flux gate) corrected for diurnal variation  
 SENSITIVITY - 20 γ scale division for readings < 1000 γ  
 50 γ scale division for readings > 1000 γ  
 OPERATOR - DAN TANCOWNY  
 SUPERVISOR - CHAS A R LAJOLE, P.E.N.S.

3789 M-13

443  
 WHITE RIVER MINES LTD (INC)  
 VANCOUVER  
 DAGO - OPEN CLAIMS  
 ASBEN ROAD NE 15 BC  
 GROUND MAGNETICS  
 Scale - Feet