

LOG NO: 0111	RD.
ACTION:	
FILE NO:	

PROSPECTING REPORT

HUNT CLAIM

OMINECA MINING DIVISION

TELKWA MAP SHEET 93L/11

54' 31" N 127' 10" W

FOR

VAN ALPHEN EXPLORATION SERVICES LTD.

BOX 754

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,555

TABLE OF CONTENTS

Title page	1
Table of contents	2
Location and Access	3
Location Map for B.C.	4
Topographic Map 1:50,000	5
Claims Map	6
Physiography	7
Property History	8
Property Geology	9
Mineralization	10
King Show	11,12,13
Sketch	14
Minfile 093L 041	15,16
Rainbow Show	17,18
Sketch	19
Minfile 093 L 044	20,21
Mohock Show	22
Sketch	23
Idaho Show	24
Sketch	25
Minfile 093L 040	26,27
Upper West Showings	28
Upper West Show	29
Sketch	30
Tunnel	31
West Show	32,33
Sketch	34
Authour's Statement	35
Statement of Costs	36
Appendix A	37
Rock Geochem	38
Soil Geochem	39
Sample Location Map	40

LOCATION

The HUNT 1 CLAIM is located in the Telkwa area NTS map 93L/11 of the Omineca Mining Division, west central B.C..

Approximate location of the center of the claims is 54' 31" N, 127' 10" W.

The HUNT claim is situated in Hunter Basin, which is at the headwaters of Cabinet creek, 22 km SSW of Telkwa by air.

ACCESS

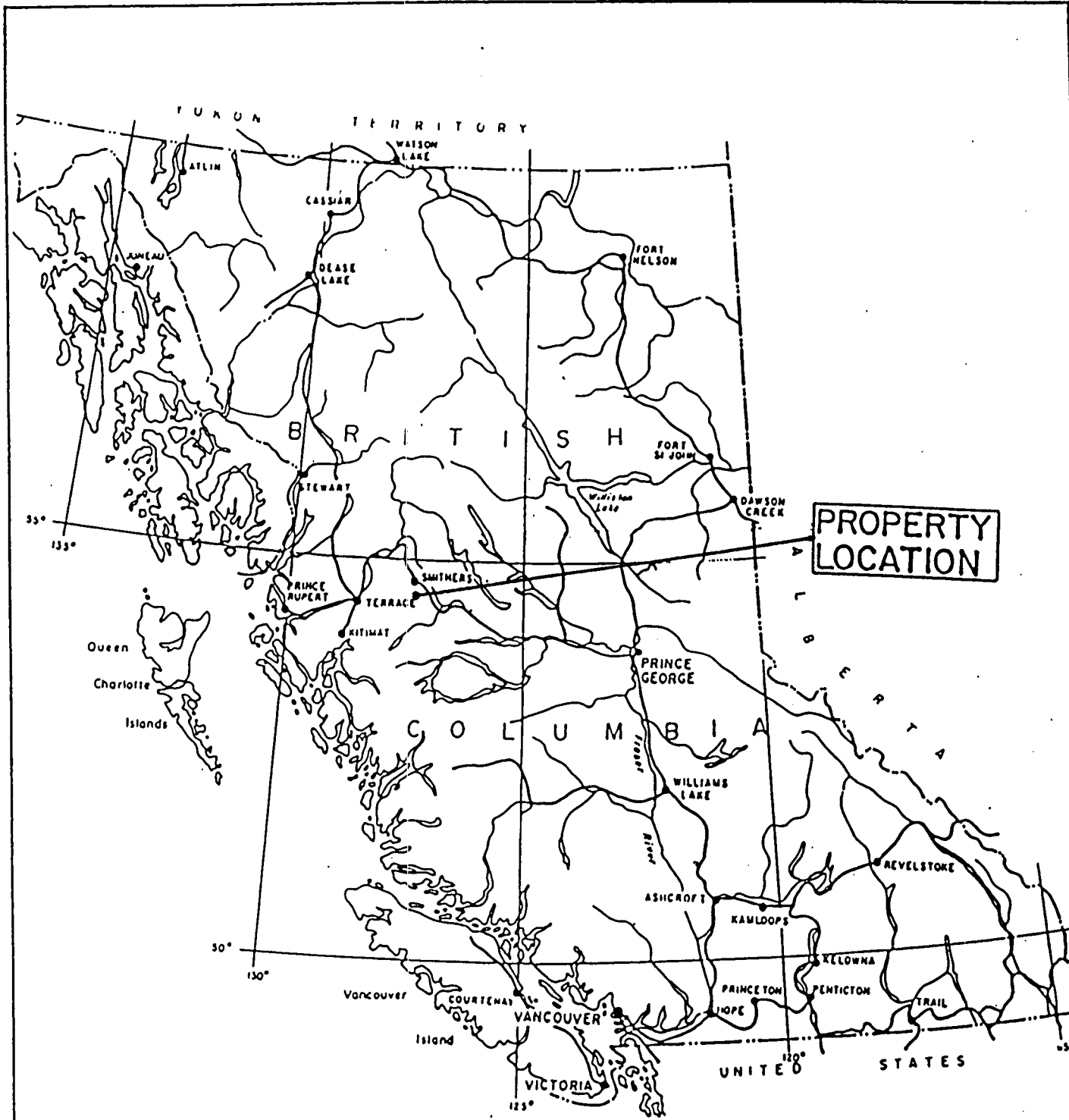
By road, from the town of Telkwa head south along the Coal Mine Rd. for 6.5 km, to a fork in the road. The south fork that travels beside Goathorn creek is followed for 5 km.

Extensive logging sales are throughout the area and the old road that leads to this abandoned mine is obscure.

From this junction travel is by 4 x 4 truck for 12 km. which locates the party in the sub-alpine zone of Hunter Basin, near the headwaters of Cabinet creek.

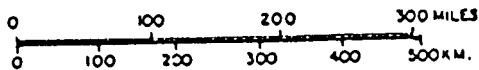
The old bridge is not in working order, and the road deteriorates from this point as it rises above timberline, especially after the first switchback, where several rocks that have shifted from above now sit in the roadway impeding the progress of trucks.

Walking or an ATV from the bridge along the road to the old loading dock and buildings is about one kilometer in length and rises 500 ft in elevation. There is a fork in the road at the bridge travel the southbound one.

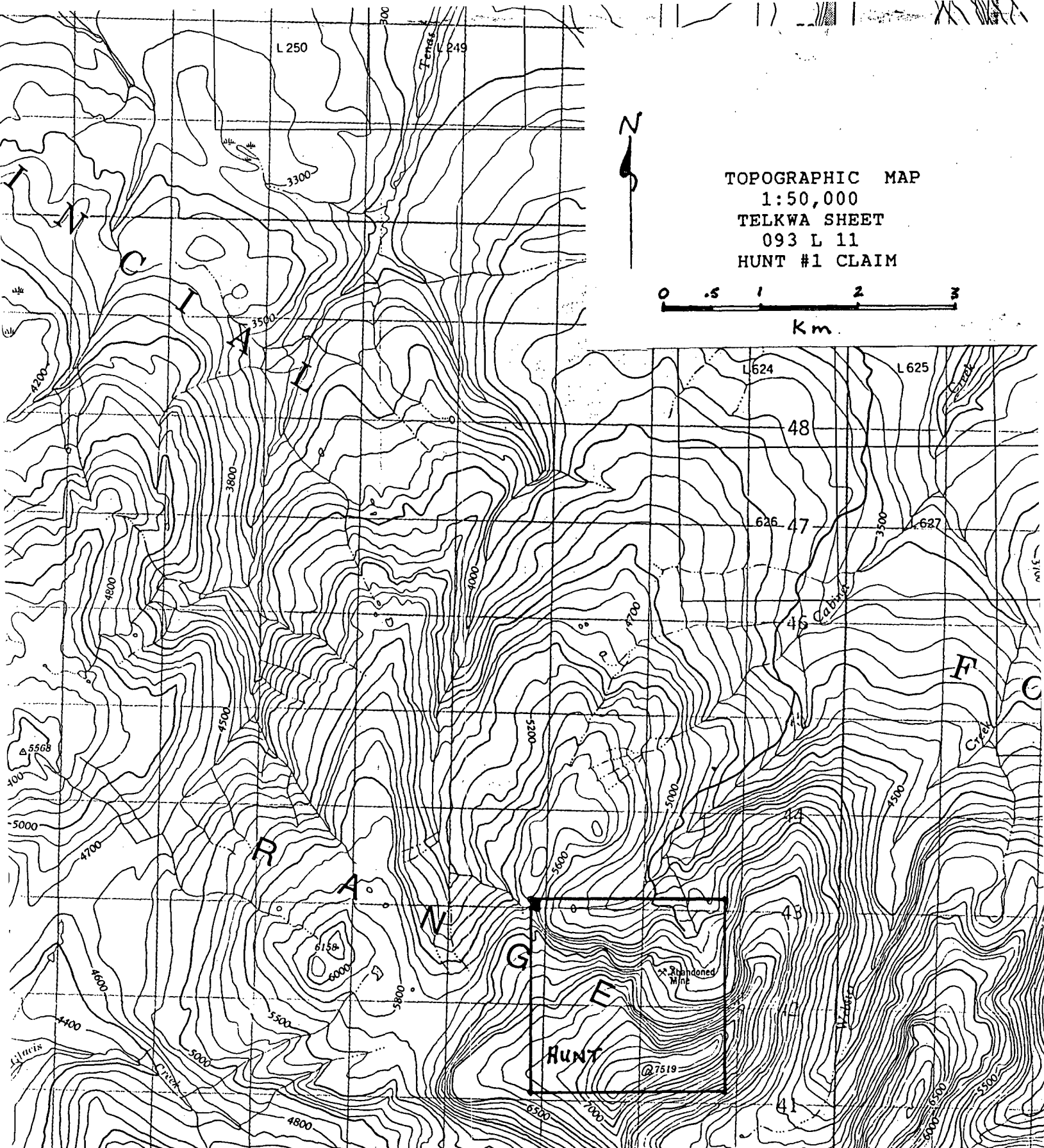


**PROPERTY
LOCATION**

LOCATION MAP HUNT CLAIM



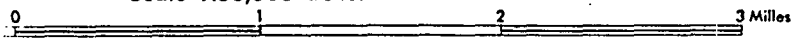
93 L 11 NTS	DATE: Oct. 14 1989
SCALE AS SHOWN	FIGURE NO.



TELKWA

COAST LAND DISTRICT RANGE 5
 BRITISH COLUMBIA

Scale 1:50,000 Échelle



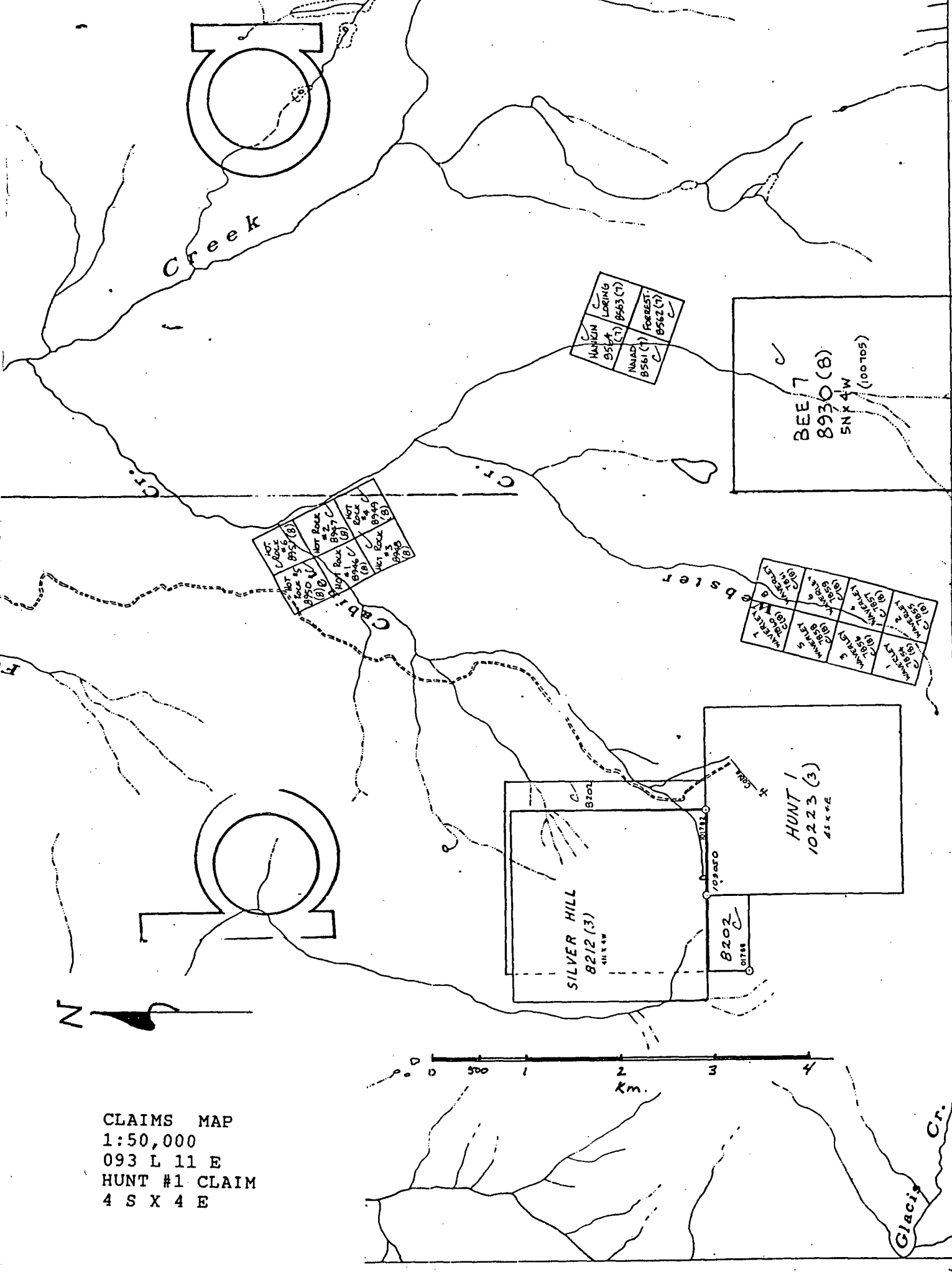
This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

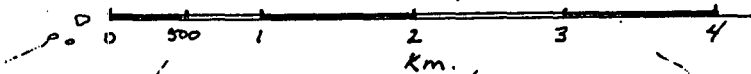
Cette carte provisoire équivaut à une carte standard au point de vue de précision de contenu.

Certains noms inscrits sur cette carte ne sont pas encore officiels. La correction ou l'ajout de noms sur cette carte saurait être bien accueilli par le Bureau des Surveillances et de la Topographie.

CONTINUÉ INTERVAL 100 FEET



CLAIMS MAP
 1:50,000
 093 L 11 E
 HUNT #1 CLAIM
 4 S X 4 E



TO SOUTH SEE MAP '1'

PHYSIOGRAPHY

The claim is predominantly within the alpine region of the mountain rising to 7520 ft. and as low as 5100 ft. in the sub-alpine zone near the bridge on the north boundary of the claim.

The principal basin that has the dominant showings is one kilometer square. Flat bottomed near the creek with the road build to this point and several old non-serviceable buildings still standing.

The showings are best seen along the ridges to the west.

Water is plentiful, while wood must be brought in from 2 km distance.

Snow cover is extensive from October to June, allowing a 3 month snow-free period.

A small snowpac persists along the road at 5300 ft.

PROPERTY HISTORY

This property was first discovered in 1905 by William Hunter and was called the KING claim. Several other strong shows in the vicinity are also included in the Hunt claim, they are called,

KING	M.I. 093L 041
WEST SHOWING	M.I. 093L 041
RAINBOW	M.I. 093L 044
MOHOCK	M.I. 093L 040
IDAHO	M.I. 093L 040

Commodities are copper, silver, and gold.

The King Show has been a producer, in 1914, 1940, and 1962.

1914	30 ton shipment
KING	vein width 1.2 meters
	AU 1.0 grams/ tonne
	AG 164.5 grams/ tonne
	CU 2.0 %
1914	
WEST	AU 6.8 grams/ tonne
	AG 884.5 grams/ tonne
	CU 29.0 %
1914	
RAINBOW	5.4 tonnes
	AU 2.0 grams/ tonne
	AG 171.4 grams/ tonne
	CU 2.9 %
1940	6.3 tonnes shipped
KING	AU 240 grams
	AG + CU 4183 grams
1941	
KING	225 tonnes mined
	AU 7,166 grams
	AG + CU 193,779 grams
1962	24.5 tonnes shipped
	AU 8,160 grams
	AG 283,366 grams
	CU 1,647 Kgrams

PROPERTY GEOLOGY

"In general it may be said that the rock formation consists dominantly of altered volcanic rocks showing incipient bedded structures and having intercalated sedimentary bands. These rocks are intruded by dykes and apophyses from a body of granite porphyry which lies two miles to the south. These dykes have shattered and fissured the rocks, and thereby provided channels by means of which the mineral bearing solutions were able to attack and replace the shattered zones of rocks with metallic sulfides. The veins are generally of the replacement sheared zone type, but in some places mineralization has taken place on the walls or in the bodies of the dykes themselves. It is probable in these later instances that movement has taken place along the dyke after its injection due to its being a line of weakness, thus crushing the dyke rock and making it permeable to infiltrating solutions."

Report of the Minister of Mines
1914 page 218

Note; Minfile 93L -040, 041, 044
for further information regarding
Geology

MINERALIZATION

COMMODITIES :

COPPER
SILVER
GOLD

SIGNIFICANT MINERALS :

BORNITE
CHALCOPYRITE
CHALCOCITE
TETRAHEDRITE
PYRITE
PYRRHOTITE
GALENA
SPECULARITE
MAGNETITE

Copper minerals predominate, occurring in the form of bornite, chalcopyrite, chalcocite, and tetrahedrite.

The bornite and tetrahedrite generally carry good values in silver.

Gold is present in values greater than 1000 ppb in over 1/2 of the samples taken. The consistence of the gold values is indicative of a property of merit, in today's market.

During the course of the exploration program conducted in July 1989, six major showings were reviewed and sampled, these showings are presented in the following section, with accompanying sketches.

KING SHOW
WEST SHOW
UPPER WEST SHOWING
RAINBOW SHOW
MOHOCK SHOW
IDAHO SHOWING

KING SHOW

The KING SHOW has had the most work done on it in the past. First discovered in 1905 by William Hunter, it has experienced continual attention since.

The KING was mined in 1914, 1942, and 1962. Details concerning production are to be found in the mineral inventory 93L 041.

The vein on the King show is an irregular fissure situated in a line of crushing and not far from an intrusive dyke. The vein can be followed for 150 meters, and strikes 070' vertical. Bornite, chalcopyrite, and tetrahedrite are distributed throughout the siliceous gangue of the fissure. Widths vary from 15 cm to 61 cm. {6-24 in.}

Sampling began from the eastern end of the trenches that follow the strike, located above the old cable anchour. This main trench is 40 meters long, the ore has been removed probably during 1914 mining operations, where a shaft 20 feet deep was put in and the vein was stoped from the surface downwards on both sides.

The 1915 report gave values for this vein as 1.2 meters wide assayed at 1.0 grams /ton Gold 164.5 grams / ton Silver, 2% Copper. There is apparently 10 inches of solid ore, in the bottom of the trench.

However, surface remains after the trench had caved in amounted to two separate ore dumps, the hanging wall and a parallel vein, described below.

89 DE 010 : grab sample of the dump material
4 meters west of the eastern end of the trench
[0 meters]
Au 4800ppb, Ag 135.9ppm, Cu 3093ppm, Zn 12,400ppm.

89 DE 011 : at the 19.5 m a vein parallel to the main trench exists, approx. 12.7cm wide consists of pyrite, chalcopyrite, bornite, in qtz. Channel sample of vein.

Au 4600ppb, Ag 26.2ppm, Cu 92,440ppm.

89 DE 012 : at 15 m the hanging wall was noted to contain concentrations of pyrite, chalcopyrite, bornite, and epidote in andesite. A channel sample 61 cm wide was taken to note whether the previous mining width of 1.2 m could be expanded.

Au 1080ppb, Ag 49.4ppm, Cu 7890ppm.

89 DE 013 : at 32.5 m the hanging wall contains sufficient mineral to do another channel sample over 0.6 m , the main vein appears to have swollen and infiltrated into the wall, bornite, chalcopyrite, pyrite, magnetite, pyrrhotite; malachite and azurite. The trench is still 1 meter wide and is close by a cribbed shaft at 30 m.

Au 2150ppb, Ag 65.9ppm, Cu 2565ppm

89 DE 014 : at approx. 25 m there is a dump of ore on the downhill side of the trench, this was hoped to be representative of the main vein now buried, as it contains approx. 80% bornite.

Au 490ppb, Ag 12.2ppm, Cu 14,442ppm.

At 40 m the intense trenching ended, a walkabout towards the east showed the vein continues in the float train, three other trenches had been dug and are presently caved in, these were sampled as well as an open cut located 150 m from the beginning of the original workings.

89 DE 015 : continuing east along 072' strike, at 72.5m a trench approx. 5m long is sluffed in and requires cleaning to properly sample. Vein material is qtz with Cu, Fe minerals, and is approx. 10 cm wide. Sample is from dump material located beside the trench and is a grab. Old toolshed at the cable anchour is approx. 50 meters distant at 297'.

******* 1.5 oz. Au *******
Au 50,000ppb, Ag 40.8ppm, Cu 6068ppm, Zn 3955ppm.

89 DE 016 : at 86 m to 99.6 meters there is another trench still following the 10 - 15 cm vein. There is a marked increase in the magnetite, 6.3 cm of solid magnetite, very similar to a occurrence in the West show, which is likely the extension of the same system. Sample is a grab from the immediate area, qtz, magnetite, bornite, chalcopyrite. The vein has been gutted. The hanging and footwall are mineralized with Cu family and the overall width would be 1 metre.

Au 5,200ppb, Ag 308ppm, Cu 17,149ppm

89 DE 017 : at 113 meters there is outcrop, and the 20 cm vein has been heavily altered, what remains is a clayish muddy gouge with evidence of shearing. Strike 080' vertical. Heavy weathering, dense malachite and limonite in the 20cm gouge.

Au 1270ppb, Ag 170.8ppm, Cu 23,713ppm, Zn 9732ppm.

89 DE 018 : Same location as 017, north wall is stained with malachite and limonite, dense pyrite, and fine disseminations of pyrite, chalcopyrite, magnetite. Believe most of the staining is from fracture fills. South wall is predominantly barren, noted epidote in andesite. Sample is a channel over 86 cm in the north wall.
Zn 2690ppm.

120 meters a rock cairn on top of a height of land that the vein passes through. Line of strike goes over a small bluff.

89 DE 019 : At 150 meters there is a rock cut in the bluff. The vein is well exposed here. It is on average 1.83 meters wide. The main zone of mineralization is lenticular, the upper portion is 25cm, swelling to 1.22 meters in the central section, and shrinking to 0.6 meters near the bottom of the cut. Vertical exposure is approx. 2.5 metres. A channel sample over 107 cm width, in the central section carried pyrite, chalcopyrite, bornite, sphalerite, galena, tetrahedrite and qtz. A portion of the structure 15cm thick has the clayish gouge texture similar to # 017 again showing evidence of shearing.
Au 165ppb, Ag 144.8ppm, Cu 22,346ppmb Zn 17,764ppm, Pb 1167ppm.

The vein at this point is lost in the overburden, however it was observed that a linear structure exists and continues across the valley, up the near vertical wall of the basin. There is a gossan in the upper 7/8 ths of this wall some 500 feet higher in elevation and approx. 600 metres distant. There appears to be a hole dug in the fissure below the gossan. The strike of the linear is 090'.

The area around 019 was investigated and mineralization was noted to the south about 60 meters, here there are numerous small veinlets 1-2cm cross hatching through the andesite bedrock.

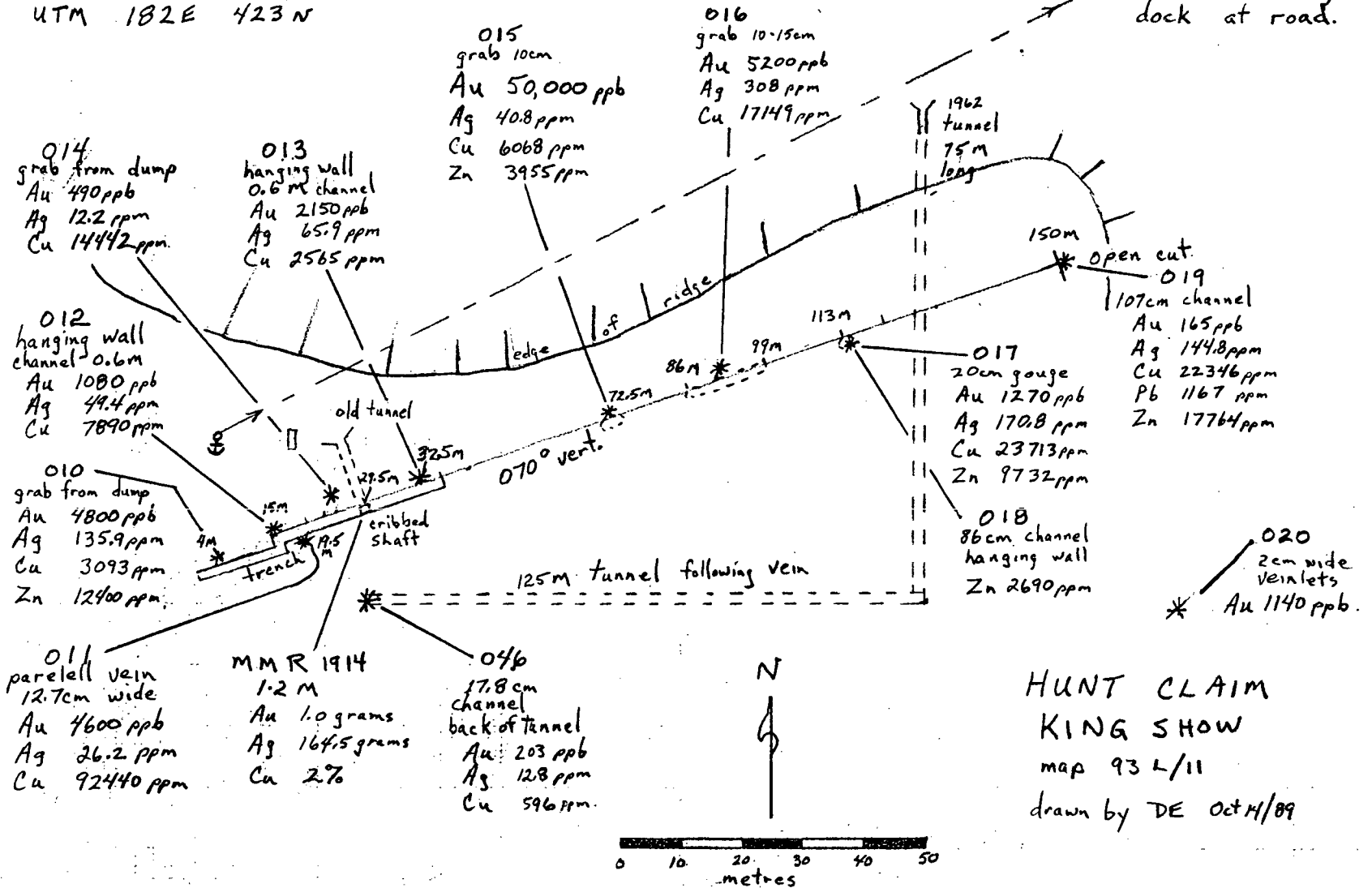
89 DE 020 : sample of veinlets cross hatching andesite. Predominantly magnetite, limonite and malachite. Strike 054' seems to dominate the cross hatching pattern.
Au 1140ppb.

KING

elevation 6150'

samples 010-019, 046

UTM 182E 423N



HUNT CLAIM
 KING SHOW
 map 93 L/11
 drawn by DE Oct 4/89

MINFILE NO.: 093L 041

NATIONAL MINERAL INVENTORY NO.: 93L11 Cu4

NAME(S): KING, JACKPOT, MEG, WEB

STATUS: Past Producer - Underground MINING DIVISION: Omineca

N.T.S.: 093L11E

LATITUDE: 54 31 00

UTM ZONE: 9

LONGITUDE: 127 10 10

UTM NORTHING: 6042334

ELEVATION: 1900 Metres

UTM EASTING: 618498

COMMENTS: Located on the southeast side of Hunter Basin, at the head of Cabinet Creek, 21 kilometres south-southwest of Telkwa.

LOCATION ACCURACY: Within 500 M

COMMODITIES: Copper Silver Gold
SIGNIFICANT MINERALS: Bornite Chalcopyrite Chalcocite Tetrahedrite Pyrite
Pyrrhotite Galena Specularite Magnetite

ASSOCIATED MINERALS: Quartz

ALTERATION TYPE(S): Silicific'n

AGE OF MINERALIZATION: Unknown

DEPOSIT CHARACTER: Vein

Disseminated

DEPOSIT CLASS.: Epigenetic

Hydrothermal

STRIKE/DIP: 65 10S

COMMENTS: Mineralized fissure vein infilling.

DOMINANT HOST ROCK: Volcanic

GROUP: Hazelton

FORMATION: Telkwa

STRATIGRAPHIC AGE: Lower Jurassic

IGNEOUS/METAMORPHIC/OTHER: Bulkley Intrusion

STRATIGRAPHIC AGE: Upper Cretaceous

LITHOLOGY: Andesite
Rhyolite
Tuff
Argillite
Greywacke
Porphyritic Granite
Felsic Dyke

TECTONIC BELT: Intermontane

TERRANE: Stikinia

Plutonic Rocks

PHYSIOGRAPHIC AREA: Hazelton Ranges

GEOLOGY: The claims are underlain by Lower to Middle Jurassic Hazelton Group volcanics comprised of andesitic to rhyolitic flows, tuffs, and breccia with minor intercalated sediments. To the south, the volcanics are intruded by a Late Cretaceous to Eocene porphyritic granite and associate satellitic felsite dykes. Mineralization occurs as disseminations and fissure vein fillings with the vein-type predominating. The mineralization includes bornite, chalcopyrite, chalcocite, and tetrahedrite with minor amounts of pyrite, pyrrhotite, galena, specularite, and magnetite.

On the King claim a silicified fracture zone 15 to 61 centimetres

MINFILE NO.: 093L 041
CONTINUED...

wide, striking north 65 degrees east and dipping very slightly to the southeast, is heavily mineralized with bornite, chalcopyrite, tetrahedrite, and specularite with minor magnetite in pockets or irregular lenses. In 1915, a whole vein sample 1.2 metres in width assayed 1.0 grams per tonne gold, 164.5 grams per tonne silver, and 2.0 per cent copper. Also a sample from the "West showing", the western end of the vein, comprised of bornite mixed with magnetite assayed 6.8 grams per tonne gold, 884.5 grams per tonne silver, and 29.0 per cent copper.

In 1940, 41 tonnes of ore was mined and 6.3 tonnes were shipped and produced 240 grams of gold, 4183 grams of silver and copper. In 1941, 225 tonnes were mined and produced 7166 grams gold, 193,779 grams silver and copper. Production from the King and Rainbow (093L 044) claims for the period 1915 to 1941 totals 269 tonnes of sorted ore which produced 8160 grams gold, 283,366 grams silver, and 42710 kilograms copper.

In 1962, Canadian Mining Co. Inc., shipped 24.5 tonnes of ore which produced 8160 grams gold, 283,366 grams silver, and 1647 kilograms copper.

BIBLIOGRAPHY:

EMPR AR 1904-102; 1905-83,126; 1906-98; 1908-64; 1909-85; *1911-111;
*1914-219; *1925-139,140; 1939-99; *1940-74,84; 1941-72; 1962-A46;
*1967-91
EMPR ASS RPT *1086
GSC SUM RPT 1906, p. 40; *1915, p. 64
EMPR MAP 69-1
EMR MP CORPFILE (Hunter Basin Mines Ltd.)
GSC MAP 971A
GSC OF 351
GSC P 44-23

DATE CODED: 850724
DATE REVISED: 870806

CODED BY: GSB
REVISED BY: LLC

FIELD CHECK: NO
FIELD CHECK: NO

MINFILE NO.: 093L 041

RAINBOW SHOW

The Rainbow has had considerable work in the past. During the 1914 mining phase of this property, ore had been extracted in two locations.

The vein in this instance is a shattered zone, occurring in a porphyritic lava rock which in composition is somewhat of a diabase. This shattered zone can be up to 6 meters wide, and has been mineralized with chalcopyrite, bornite, and specularite, which occur in bunches, lenses, and fracture fills. In places there are 0.6 m. of solid ore, principally copper.

A number of open cuts and trenches have exposed mineralization, there is also the remnant of a shaft that was 10 feet deep. Apparently in this shaft there are two pay streaks of ore ranging from one to two feet wide separated by a four foot strip of waste. An average sample from the dump assayed **Au 0.06oz., Ag 5 oz., Cu 2.9%.**

North of the shaft there is a large open cut, there has been stripping and underhand stoping, to get at a small seam of ore a few inches wide said to be very rich copper silver ore.

A characteristic of the Rainbow show is the considerable quantity of specularite exposed along fractures and disseminated in the rock. There are also epidote and quartz bubbles in the red volcanics.

The Rainbow is south west from camp at the road head; UTM coordinates 6042634 N -618131 E.

After initially locating the show and assessing sample density, it was determined to set out a small grid 85 meters long to aid in sketches and sample locations. The 0 meter is located at the first visible occurrence of mineral which is along the ridge in a small saddle, it is a quartz carbonate zone, and the line travels on a bearing of 020'.

89 DE 021 : There is a large fracture system on the ridge west of camp, the rock is best seen on the west side of the ridge, here it is a deep steep gully. Elevation 5800 ft. Bearing 290' to a pond and it's outflow located in the west side of Hunter Basin. Fractures are common, specularite abundant, sometimes mixed with the copper minerals. Sample 021 is a grab of a fracture fill 7.6 cm wide containing specularite, chalcopyrite, bornite. Strike 093' vert. 021 is 84 meters on the mini grid.

Au 3850ppb, Ag 523ppm, Cu 15,925ppm.

89 DE 022 : at the 64 meter mark, channel sample over 0.6 meters, strike 064' vertical. Hemetite, magnetite, bornite, and chalcopyrite.
Au 4800ppb, Ag 260ppm, Cu 23,866ppm.

89 DE 023 : at 26 meters from saddle in ridge [0m], channel sample 1.0 meters wide, strike 297'@ 45'N. Magnetite, specularite, pyrite, chalcopyrite. Near 0.6m of solid iron mineralization. Large zone of altered volcanics trending north while the mineral appears to be following the bedding.
Au 3100ppb, Ag 29ppm, Cu 7541ppm, Fe 135,630ppm.

89 DE 024 : at 59 meters, old tunnel presently caved in, sample is a grab from the dump where several tons of ore are piled. "Apparently in this shaft there are two pay streaks of ore ranging from one to two feet wide separated by a four foot strip of waste. An average sample from the dump assayed Au 0.06oz., Ag 5 oz., Cu 2.9%" [1915 annual report Minister of Mines]. Bornite, chalcopyrite, chalcocite, specularite, pyrite, and quartz.
Au 820ppb, Ag 194.3ppm Cu 37,865ppm, Fe 180,900ppm.

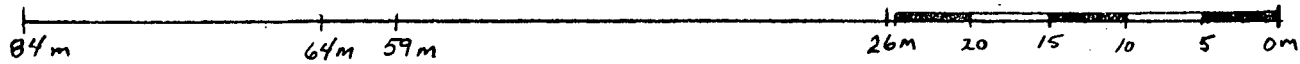
Intense weather, high winds, rain, sleet, blinding snow, made difficult working conditions. While seeking shelter in the lee of the wind a large trench was located on the ridge top. This is the main Rainbow show. " North of the shaft there is a large open cut, there has been stripping and underhand stoping, to get at a small seam of ore a few inches wide said to be very rich copper silver ore." [M of M annual report 1915.]

"A fracture zone with quartz infilling in a shattered porphyritic volcanic rock hosts mineralization up to 6 meters in width. Mineralization consists of chalcopyrite, bornite, specularite, which occur as irregular bunches or lenses." [minfile 93L 044].

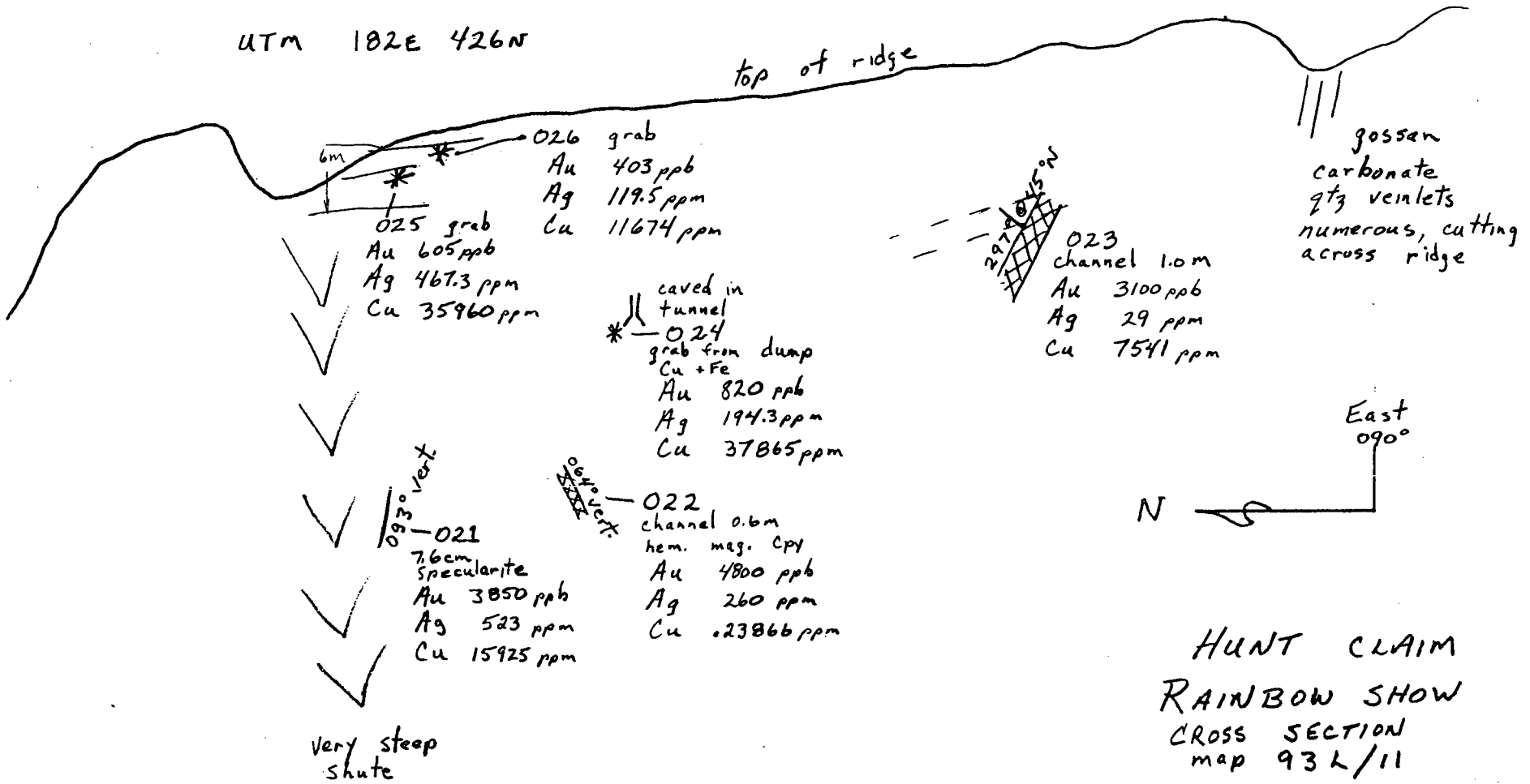
89 DE 025 : at 84 meters, grab sample of concentrated mineral within the 6 meter mineral zone chalcopyrite, bornite, specularite.
Au 605ppb, Ag 467.3ppm, Cu 35,960ppm.

89 DE 026 : at 84 meters, grab sample of concentrated mineral within the 6 meter mineral zone chalcopyrite, bornite, specularite.
Au 403ppb, Ag 119.5ppm, Cu 11,674ppm.

RAINBOW SHOW
 elevation 5800 ft
 samples 89 DE 021-026



UTM 182E 426N



HUNT CLAIM
 RAINBOW SHOW
 CROSS SECTION
 map 93 L/11
 drawn by DE Oct 12/89

RUN DATE: 88/08/12
RUN TIME: 01:11:21

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
MINERAL RESOURCES DIVISION - GEOLOGICAL SURVEY BRANCH
MINFILE - REPORT

PAGE: 955

MINFILE NO.: 093L 044

NATIONAL MINERAL INVENTORY NO.: 93L11 Cu4

NAME(S): RAINBOW, HUNTER BASIN

STATUS: Past Producer - Underground MINING DIVISION: Omineca
N.T.S.: 093L11E
LATITUDE: 54 31 10 UTM ZONE: 9
LONGITUDE: 127 10 30 UTM NORTHING: 6042634
ELEVATION: 1524 Metres UTM EASTING: 618131

COMMENTS: Located on the southeast side of Hunter Basin, at the head of Cabinet Creek, 21 kilometres south-southwest of Telkwa. The claim adjoins the King (093L 041) which is south at a higher elevation.

LOCATION ACCURACY: Within 500 M

COMMODITIES: Copper Silver Gold
SIGNIFICANT MINERALS: Bornite Chalcopyrite Chalcocite Specularite
ASSOCIATED MINERALS: Quartz
AGE OF MINERALIZATION: Unknown
DEPOSIT CHARACTER: Vein Disseminated
DEPOSIT CLASS.: Epigenetic Hydrothermal

DOMINANT HOST ROCK: Volcanic

GROUP: Hazelton FORMATION: Telkwa STRATIGRAPHIC AGE: Lower Jurassic

IGNEOUS/METAMORPHIC/OTHER: Bulkley Intrusion STRATIGRAPHIC AGE: Upper Cretaceous

LITHOLOGY: Andesite
Rhyolite
Tuff
Breccia
Argillite
Greywacke
Porphyritic Granite
Felsic Dyke

TECTONIC BELT: Intermontane
TERRANE: Stikinia Plutonic Rocks
PHYSIOGRAPHIC AREA: Hazelton Ranges

GEOLOGY: The Rainbow claim is underlain by Lower to Middle Jurassic Hazelton Group volcanics comprised of red, purple, green to grey andesitic to rhyolitic flows, tuffs, and breccia with minor intercalated sediments. The volcanics are intruded by a Late Cretaceous to Eocene porphyritic granitic stock and felsite dykes.
A fracture zone with quartz infilling in a shattered porphyritic volcanic rock hosts mineralization up to 6 metres in width. Mineralization consists of chalcopyrite, bornite, and specularite which occur as irregular bunches or lenses. Approximately 5.4 tonnes of ore taken from a 3 metre shaft along this vein in 1914, assayed 2.0 grams per tonne gold, 171.4 grams per tonne silver, and 2.9 per cent copper.

MINFILE NO.: 093L 044
CONTINUED...

Production from the King (093L 041) and Rainbow claims (listed under Hunter Basin) for the period 1915-1941 totalled 269 tonnes of sorted ore which produced 8160 grams gold, 283,366 grams silver, and 42,710 kilograms copper.

BIBLIOGRAPHY:

EMPR AR 1904-102; 1905-83,127; *1906-98; 1908-64; 1909-85; 1911-111;
*1914-219; *1925-140
GSC SUM RPT 1906, pp. 40-41
EMPR MAP 69-1
GSC P 44-23
GSC OF 351

DATE CODED: 850724
DATE REVISED: 870806

CODED BY: GSB
REVISED BY: LLC

FIELD CHECK: NO
FIELD CHECK: NO

MINFILE NO.: 093L 044

MOHOCK SHOW

At this show mineral occurs in a dyke of reddish brecciated volcanic rock lying between highly chloritized greenish andesites. The dyke hosts disseminated bornite, chalcopyrite and tetrahedrite across a width of 1.2 to 1.5 metres. The only work noted here has been open cuts. A sample across the dyke where it is 3 ft.6in. wide assayed **Au 0.08 oz. Ag 20.6 oz. Cu 5.4%** [1914].

Roaming the hillside east of camp a gossan of carbonate colouring is seen across the creek and 100 metres east. There is evidence of some digging, and a trail that leads to the bottom hole. There was only one small piece of float heavy with malachite, however following the gossan uphill other slight depressions were noted spaced approx. 20 meters apart from each other. Most likely previous sample pits. The fourth pit approx. 60 m from the first contained sufficient hygrade to sample.

89 DE 027 : 150 metres east of camp. Grab sample of float coming from small sample hole #4. Assuming vein to be small 4-5 cm, overburden difficulties. General trend of gossan is 090'. Bornite in quartz. **Au 7000ppb, Ag 775.2ppm, Cu 106,033ppm.**

Further prospecting on the east side of the creek traveling north produced little mineralization a few small pieces of malachite float, until returning to the creek bed area where increases in the float train lead to the Mohock show which is on the east bank of the creek approx. 15 metres above water level. Strike 080' 80'N.

89 DE 028 : elevation 5325 ft. UTM 185 E--431 N Breccia zone 4.5 metres with disseminated Cu minerals, approx. 1 metre of hygrade Cu ore. Sample is channel over the 1 metre, bornite, chalcopyrite, tetrahedrite. **Au 2000ppb, Ag 208.9ppm, Cu 18,536ppm.**

89 DE 029 : same location as 028, sample is selected hygrade of tetrahedrite and bornite. **Au 1900ppb, Ag 695.9ppm, Cu 85,429ppm.**

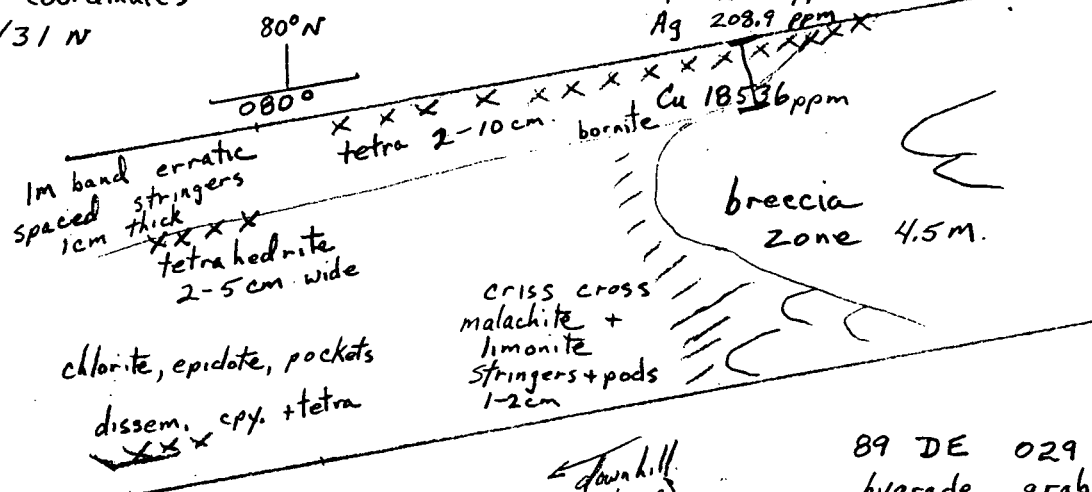
MOHOCK
 elevation 5325'
 Samples 89 DE 028, 029
 UTM grid coordinates
 185E - 431N

green volcanic

89 DE 028
 1m channel
 Au 2000 ppb
 Ag 208.9 ppm
 Cu 18536 ppm

top of
 creek bank
 ≈ 15m high

Main
 Creek of property
 from canyon



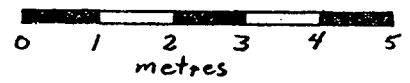
chlorite, epidote, pockets
 dissemin. cpy. + tetra

criss cross
 malachite +
 limonite
 stringers + pods
 1-2cm

downhill
 (steep)

89 DE 029
 hygrade grab (tetrahedrite)
 Au 1900 ppb
 Ag 695.9 ppm
 Cu 85429 ppm

red volcanic
 with malachite spots.



HUNT CLAIM
 MOHOCK SHOW
 map 93 L/11
 drawn by DE Oct 12/89

IDAHO SHOWING

The Idaho show at an elevation of 5250 ft. UTM coordinates 193 E - 440 N. Bornite and chalcopryrite occur sparingly over better than 1 metre width. The host rock is amygdaloidal andesite. A shaft has been dug that is 2.4 metres deep. Apparently another shaft exists that is 5.5 metres deep but reconnaissance of the area did not find it. There are several narrow clefts in the vicinity approx. 2 m deep and 50 m long, they parallel the vein trend of 070'. Five sample pits were dug in the past, now caved in, one of which was the prospect hole mentioned above.

An overview of the area occurred first and sampling was done on the return.

89 DE 030 : past the main Idaho show easterly at the same elevation, at a drainage gully, no stream sediments were available so a soil sample was taken. No anomalous values were obtained.

A mini grid was established to tie it together 122m. starting from the 1 st hole [most west].

89 DE 031 : 122 metres vein trend 070' showing appears to be an extension of the main, it is in one of the narrow clefts, along its north wall. Strike is approx. 040 @ 66' SE. Disseminations and fracture fills of bornite and chalcopryrite over 1 metre. Sample is a grab due to overburden.
Au 120ppb, Ag 13.3ppm, Cu 25,422ppm.

89 DE 032 : 50 m . #4 pit on the Idaho , channel sample 1.0 metres wide, bornite and chalcopryrite with quartz.
Au 20,000ppb, Ag 60ppm, Cu 6863ppm.

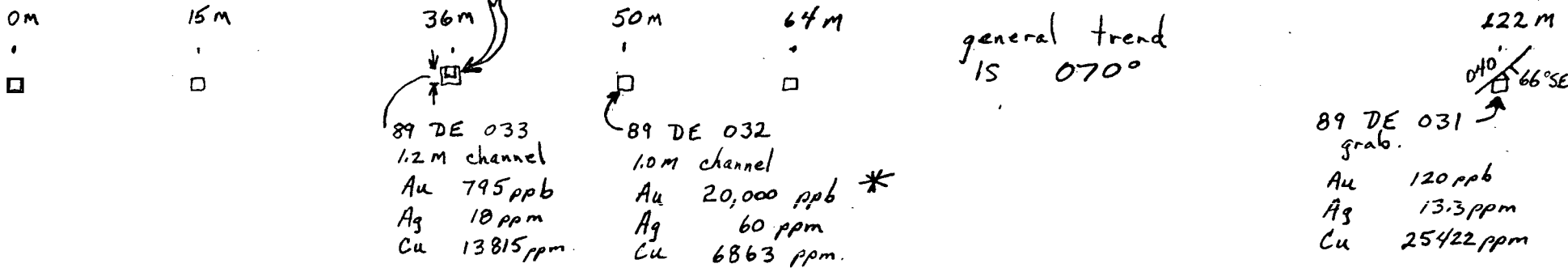
89 DE 033 : 36 m . #3 pit, 1.2 metre channel bornite and chalcopryrite with quartz.
Au 795ppb, Ag 18ppm, Cu 13,815ppm.

IDAHO SHOW
 elevation 5250 ft
 Samples 89 DE 031, 032, 033
 UTM grid coordinates
 193 - 440

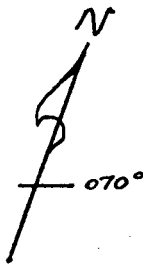
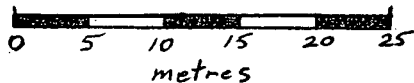
narrow clefts in area \approx 2M deep 50M long
 natural occurrence parallel to vein trend
 cross cutting slope of hill

Minister of Mines Report
 1914 - prospect hole
 8ft deep 3-4 ft mineralization

andesite (amygdaloidal)



holes or pits are 3-4 ft square.



HUNT CLAIM.
 IDAHO SHOW
 map 93 L 11
 drawn by DE Oct 12/89

RUN DATE: 88/08/12
RUN TIME: 01:11:21

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
MINERAL RESOURCES DIVISION - GEOLOGICAL SURVEY BRANCH
MINFILE - REPORT

PAGE: 947

MINFILE NO.: 093L 040

NATIONAL MINERAL INVENTORY NO.: 93L11 Cu4

NAME(S): IDAHO, MOHOCK

STATUS: Showing
N.T.S.: 093L11E
LATITUDE: 54 32 00
LONGITUDE: 127 09 20
ELEVATION: 1623 Metres

MINING DIVISION: Omineca

UTM ZONE: 9
UTM NORTHING: 6044212
UTM EASTING: 619349

COMMENTS: Located on the southeast side of Cabinet Creek in Hunter Basin, approximately 20 kilometres south-southeast of Telkwa.

LOCATION ACCURACY: Within 500 M

COMMODITIES: Copper Silver Gold
SIGNIFICANT MINERALS: Bornite Chalcopyrite
ASSOCIATED MINERALS: Quartz
ALTERATION MINERALS: Chlorite
ALTERATION TYPE(S): Chloritic
AGE OF MINERALIZATION: Unknown
DEPOSIT CHARACTER: Vein Disseminated
DEPOSIT CLASS.: Epigenetic Hydrothermal

STRIKE/DIP: 55 80S

COMMENTS: Mineralized quartz vein on the Idaho claim.

DOMINANT HOST ROCK: Volcanic

GROUP: Hazelton

FORMATION: Telkwa

STRATIGRAPHIC AGE: Lower Jurassic

IGNEOUS/METAMORPHIC/OTHER: Bulkley Intrusion

STRATIGRAPHIC AGE: Upper Cretaceous

LITHOLOGY: Andesite
Rhyolite
Amygdaloidal Andesite
Tuff
Breccia
Porphyritic Andesite
Felsic Dyke

TECTONIC BELT: Intermontane

TERRANE: Stikinia

Plutonic Rocks

PHYSIOGRAPHIC AREA: Hazelton Ranges

GEOLOGY:

The claims are underlain by Lower to Middle Jurassic Hazelton Group volcanics comprised of andesitic to rhyolitic flows, tuffs, and breccia with minor intercalated sediments. South of the claims a Late Cretaceous to Eocene porphyritic granitic stock intrudes the volcanics with associated felsite dykes.

The Idaho workings at elevation 1623 metres, consists of a 2.5 metre hole in amygdaloidal andesite which hosts minor bornite and chalcopyrite. To the south, a quartz vein up to 30 centimetres in width strikes north 55 degrees east and dips steeply southeast. Mineralization consists of bornite over 2.5 to 10 centimetres width

MINFILE NO.: 093L 040
CONTINUED...

on the hanging wall.

The Mohock adjoins the Idaho farther up the hill. The Mohock showing is a breccia zone striking south 85 degrees east in highly chloritized, green andesite. The reddish, brecciated dyke rock hosts disseminated bornite and chalcopyrite across a width of 1.2 to 1.5 metres. In 1914, a sample taken across 1.0 metres assayed 2.7 grams per tonne gold, 706.3 grams per tonne silver, and 5.4 per cent copper.

BIBLIOGRAPHY:

EMPR AR 1904-102; 1905-84; 1908-64; 1909-85; 1911-112; *1914-219;
*1925-140
EMPR MAP 69-1
GSC MAP 971A
GSC OF 351
GSC P 44-23

DATE CODED: 850724
DATE REVISED: 870806

CODED BY: GSB
REVISED BY: LLC

FIELD CHECK: NO
FIELD CHECK: NO

MINFILE NO.: 093L 040

UPPER WEST SHOWINGS

A traverse was made in the north west quadrant of the claim block above Hunter basin, between elevations 6000 - 7300 ft. In several places there were trenches dug with a machine, and evidence of a grid. Large gossan zones colour the ridges.

89 DE 034 : 7100 ft. below the peak in the 90' corner of Hunter basin. Large gossan, pyrite in rhyolite some pyrrhotite and quartz as veinlets and some silicification. No anomolous results.

89 DE 035 : 7000 ft. 3 cat push trenches in a series. Quartz and pyrite vein float from the trench 4 cm. thick. UTM 179 - 418.
No anomolous results.

89 DE 036 : 6800 ft. over the ridge into Hunter basin proper checking on the gossan which exists just below the ridge. The rock here is a brown volcanic with limonite staining, some pyrite crystals, there is no malachite in the outcrop, however the copper stain exists in the talus above the o/c. Structure is trending 340' dipping 44' west. Sample is a grab of the gossan material.
Au 1700ppb, Ag 6.7ppm, Cu 624ppm.

89 DE 037 : just above 036, 9 metres, 2 cm vein of qtz. pyr. and malachite. 344' @ 40' east, opposite dip to 036. Best grab sample is actually float picked up below the vein.
Au 1020ppb, Ag 45.4ppm, Cu 9327ppm, Zn 4269ppm.

89 DE 038 : 6800 ft. UTM 178-421, 4.6 metres above 037, malachite in vuggy green epidote mash, within red volcanics, 3-5 cm wide.
Au 280ppb, Ag 6.4ppm, Cu 1459ppm.

89 DE 039 : 6700 ft. along same ridge, something is happening with the rock structure here that requires a geologist to look into, the authour's assumption is that the two principal structures that carry ore meet here, the Rainbow and the King. Copper minerals appear in hairline fractures in altered rock which have quartz intrusions up to 10 cm. Amygdaloidal andesite [red], and a bleached green andesite-rhyolite ? [coarse grained sandy like volcanic].
Au 6600ppb, Ag 18.8ppm, Cu 5318ppm, Zn 2204ppm

89 DE 040 : vuggy quartz vein, 240' @ 60'N, channel

sample over 56 cm, in altered red volcanic.
No anomolous results.

UPPER WEST SHOW

89 DE 041 : continuing along same ridge that forms upper edge of Hunter basin, UTM 178-423. elevation 6600 ft. A small saddle in the ridge has a carbonate coloured gossan in it's bottom, 3 metres further downhill a vein is noted, 340' vertical and 20 cm. wide. Sample is a channel of the 20 cm.

Au 3000ppb, Ag 44.3ppm, Cu 12,875ppm.

89 DE 042 : 20 metres north and 15 metres downhill and along the edge of the sharp pinnacle a substantial showing is found 4 metres wide. This mineral zone has extensive fracture filling and massive mineralization. Strike 344' vertical. Interesting crystals of magnetite are within the massive band along with bornite. The mineral is hosted by red volcanics, turning to brown volc. in the vein, it is strongly fractured. The sample is a channel over 0.6 metres on the north side of the vein, dense magnetite, bornite, and sphalerite.

Au 11,900ppb, Ag 22.8ppm, Cu 10,563ppm, Zn 3852ppm.

89 DE 043 : same vein , sample is from the south side of the vein, and is a channel over 0.6 metres, of the fracture filled area, mainly copper mineral. Au 597ppb, Ag 5.2ppm, Cu 3397ppm, Zn 2475ppm.

From the vantage point on this ridge it appears that the strong linear which is visible as a gossan extends from just below the Hunter peak and travels at 340 degrees passing through this upper west show, coming very close and parallel to the Rainbow show and extending further across Cabinet creek and up the valley to the old workings on the H.B. show. The regional 340' and 070' linears appear to have played an important role in the deposition of mineral in this locale. It is suggested that the area north of the Rainbow that is buried beneath overburden near the creek be given attention in further exploration programs.

89 DE 044 : UTM 176-424 elev. 6450 ft. Malachite in small pit along ridge N.W. of upper west show, tetrahedrite ?

Au 125ppb, Ag 66.7ppm, Cu 29,097ppm.

89 DE 045 : UTM 175-424. elev. 6352 ft. Stream sediment first creek west of ridge.

No anomolous results.

UPPER WEST SHOW

Samples - 89 DE -
041
042
043

elevation 6600 ft.
U.T.M. GRID Location
94 XL 617E 60423N

CROSS SECTION
OF RIDGE

340°
vert.

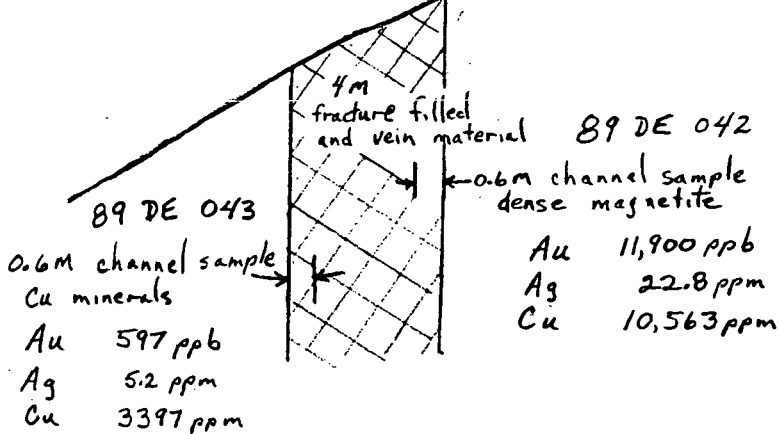
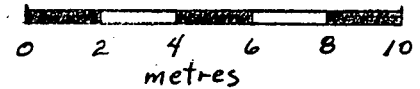
Small saddle
in ridge
with
gossan

89 DE 041
20 cm channel
Au 3000 ppb
Ag 44.3 ppm
Cu 12875 ppm.

344°
vert.

veins separate by
20 m

N



UPPER WEST SHOW
HUNT CLAIM

drawn by D.E. Oct 12/89

TUNNEL

The tunnel from the 1961 mining operations was investigated, it is 75 metres from the headframe to the point the tunnel meets the vein. Turning west the tunnel follows the vein for 125 metres. Generally the vein is between 15 cm and 61 cm; the tunnel itself is 1.8 * 2.1 metres dimension, small stopes exist, and the vein splits in two separated by a metre in the middle section.

89 DE 046 : at the back wall of the tunnel , a channel sample over 18 cm. chalcopryite, pyrite, qtz, calcite. Au 203ppb, Ag 12.8ppm Cu 596ppm.

WEST SHOWING

Returned to King show to check for westward extension of King towards the Upper West show. Approximately 200 metres west of the King there is a small pinnacle along a ridge. Upon approaching this area a considerable amount of malachite was noted which lead to a mineral zone approx. 20 * 30 metres in dimension. Six veins were sampled in this zone. See the accompanying diagram for the relative positions of each vein. Elevation 6250 ft. UTM 180 E - 423 N.

89 DE 047 : channel over 0.6 metre, strike 077' @ 65' S. Chalcopyrite in quartz.
Au 1100ppb, Ag 19.4ppm, Cu 5376ppm, Zn 1411ppm.

89 DE 048 : channel over 1.0 metre, strike 185' @ 58' W. Bornite, chalcopyrite, pyr., sphalerite, qtz.
Au 560ppb, Ag 126.7ppm, Cu 34,893ppm, Zn 14,637ppm.

89 DE 049 : channel over 0.6 metre, strike 225' @ 72' S. Bornite, chalcopyrite, pyrite, magnetite tetrahedrite.
Au 2750ppb, Ag 22.2ppm, Cu 12,457ppm, Zn 1234ppm.

89 DE 050 : channel over 1.5 metres, strike 344' vertical. there is 3 metres of mineralization here most of which is fracture fills and disseminations with a 30 - 60 cm. massive section. Chalcopyrite, bornite, pyrite, specularite, magnetite.
Au 1450ppb, Ag 210ppm, Cu 32,360ppm, Zn 1848ppm, Pb 1130ppm.

89 DE 051 : grab sample from a vein approx. 0.6 metres wide. Chalcopyrite, pyrite, sphalerite, qtz.
Au 184ppb, Ag 34.8ppm, Cu 4675ppm, Zn 5038ppm.

89 DE 052 : channel over 0.3 metres, strike 250' vertical,. Chalcopyrite in qtz.
Au 1020ppb, Ag 10.1ppm, Cu 2786ppm.

Leave the West show heading downhill.

89 DE 053 : undefined vein structure in a old trench at 6100 ft., behind [uphill] the King 75 metres. 010' strike ? Pyrite, chalcopyrite, qtz. with epidote. UTM 181-423.
Au 126ppb, Ag 66.3ppm, Cu 32,111ppm, Zn 2922ppm.

89 DE 054 : 20 cm vein, strike 275' vertical.
UTM 183-428. Likely extension of the Rainbow
mineralization, 150 metres downhill towards the road
from the Rainbow show. 5725 ft. elev. Specularite
and chalcopyrite in calcite, channel over 20 cm.
Pinch and swell.

Au 6000ppb, Ag 100.5ppm, Cu 48,219ppm.

The general bedding trend is 160-170' @ 20-30'
southwest.

HUNT CLAIM

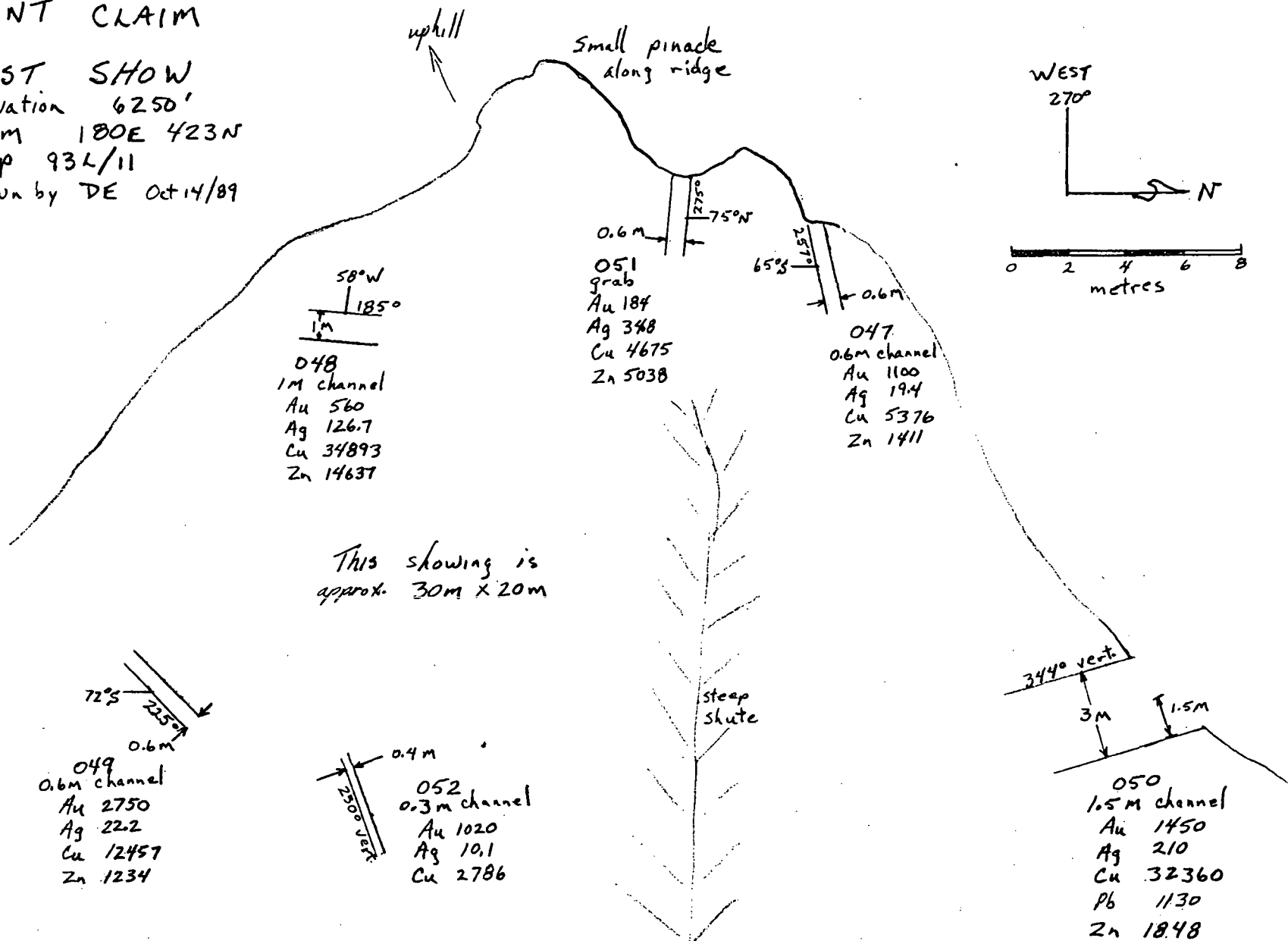
WEST SHOW

elevation 6250'

UTM 180E 423N

map 93L/11

drawn by DE Oct 14/89



AUTHOUR'S STATEMENT

I, Daniel Ethier am a Prospector , with residence at 3644 3rd ave., Box 184, Smithers B.C. VOJ-2NO.

I have worked in exploration activities since 1979.

I have been an independent prospector since 1983.

I have worked as a prospector for Tom Richard's Prospecting, 1986 -1988.

I am a graduate of the Advanced Prospecting Course of Malaspina College 1987.

I am sole owner and operator of Ethier Exploration.

STATEMENT OF COSTS

July 25 - 30 1989.

D. Ethier prospector,	6 days @ \$200./day	1200.00
Camp, supplies, groceries,	6 days @ \$90./day	540.00
3/4 ton 4X4 truck	6 days @ \$50./day	300.00
All terrain vehicle	6 days @ \$20./day	120.00
Geochemical analysis	44 samples	799.25
Report preparation		200.00
Drafting, typing		200.00
		3359.25

TOTAL APPLICABLE TO ASSESSMENT REPORT

\$ 3,359.25

APPENDIX A

Rock Geochem.

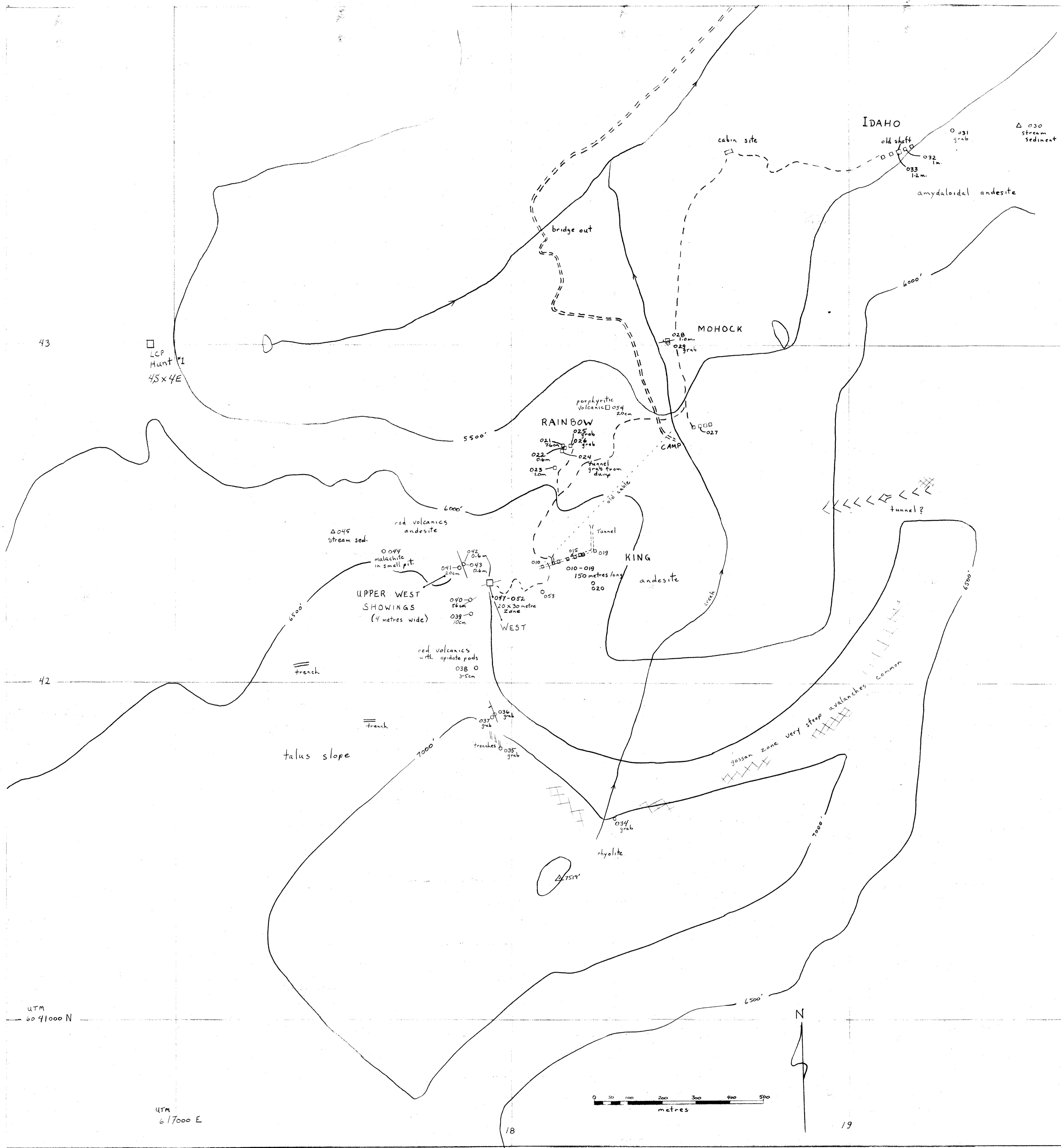
Soil Geochem.

COMP: VAN ALPHEN EXPLORATION
 PROJ:
 ATTN: MR.VAN ALPHEN/MR.ETHIER

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9S-0106-RJ1+2
 DATE: AUG-07-89
 * TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	
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89DE012	49.4	32670	30	1	31	1.2	59	10490	10.4	50	7890	101150	1500	27	30690	6646	7	60	78	580	145	10	11	1	1	170.8	537	2	2	3	219	1080	
89DE013	65.9	40350	12	1	12	1.3	90	20590	14.2	53	25651	68770	440	37	40810	7563	19	20	86	580	140	33	11	1	1	149.6	511	2	2	4	233	2150	
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89DE015	40.8	3660	46	12	5	.9	8	340	13.6	53	6068	223430	160	2	1820	660	19	20	1	90	164	1	1	1	1	73.3	3955	1	1	1	1	27	50000
89DE016	308.1	2440	17	20	7	.1	250	410	1.8	64	17149	396980	410	1	880	882	61	20	1	40	205	3	1	1	1	77.0	340	1	1	1	1	1	5200
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89DE025	467.3	34380	39	1	37	1.1	84	54100	22.5	35	35960	74960	720	23	20940	4227	6	10	58	710	125	44	1	4	1	106.8	222	3	2	3	92	605	
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89DE034	1.7	28590	21	1	20	1.1	10	15080	6.6	12	339	53640	1610	18	14990	1698	4	580	1	360	46	1	11	1	1	28.1	260	3	2	1	27	6	
89DE035	6.7	2340	138	1	13	.6	62	70	3.5	7	187	60270	970	1	300	125	1	20	1	370	177	68	2	1	1	5.7	145	1	1	1	99	39	
89DE036	6.7	5520	76	6	46	1.6	23	460	4.9	20	624	157310	1860	1	950	1469	1	20	1	290	216	3	6	1	1	18.5	595	1	1	1	1	1700	
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89DE039	18.8	5110	35	3	24	1.1	18	620	9.7	20	5318	92250	1420	4	1680	542	3	30	1	120	165	9	3	1	1	13.2	2204	1	1	1	37	6600	
89DE040	.6	6550	8	1	199	.6	17	890	2.0	5	69	32020	1680	1	860	188	1	170	1	130	41	1	5	1	2	5.0	199	1	1	1	22	82	
89DE041	44.3	8510	11	1	18	.9	10	1940	18.6	15	12875	63260	1080	6	5250	1119	5	20	3	220	70	13	4	1	1	19.9	506	1	1	1	37	3000	
89DE042	22.8	13990	30	3	30	1.6	13	1670	43.5	28	10563	109630	1240	9	9240	2755	6	20	1	500	75	9	4	1	1	25.5	3852	2	1	1	10	11900	
89DE043	5.2	15570	14	1	38	.9	9	3020	25.2	16	3397	39430	1750	12	9920	3279	4	30	7	540	48	1	5	1	1	20.5	2475	2	1	1	34	597	
89DE044	66.7	3530	267	4	75	.8	2	440	10.2	26	29097	50220	1670	3	570	2225	10	20	9	310	554	31	4	1	1	22.3	377	1	1	1	70	125	
89DE046	12.8	35720	32	1	12	1.1	28	26150	8.0	33	596	52880	1090	31	30220	5199	7	10	56	480	171	2	7	1	1	105.4	364	3	1	3	211	203	
89DE047	19.4	50450	51	1	15	1.6	31	7610	30.6	65	5376	82920	210	33	41190	7650	10	230	95	650	121	16	11	1	1	170.5	1411	3	2	4	244	1100	
89DE048	126.7	31820	43	1	15	1.4	75	8230	115.8	42	34893	89970	1220	24	21190	5482	9	10	47	600	355	49	10	1	1	88.3	14637	3	3	3	118	560	
89DE049	22.2	30950	35	1	11	1.7	14	4720	20.5	47	12457	147850	750	23	22500	6005	6	10	43	450	141	15	8	1	1	92.8	1234	3	2	2	113	2750	
89DE050	210.0	31530	45	1	13	1.3	60	4300	19.5	46	32360	91720	1170	23	27190	4734	15	20	76	640	1130	44	8	1	1	91.2	1848	3	2	3	136	1450	
89DE051	34.8	43420	31	1	12	1.5	27	17280	63.9	48	4605	79370	1170	26	33180	7991	10	20	95	640	482	11	8	1	1	130.6	5038	3	2	3	158	184	
89DE052	10.1	27660	31	1	17	1.7	12	4050	11.5	45	2788	108370	880	17	23860	5892	7	20	57	440	285	1	8	1	1	98.2	685	3	2	2	127	1020	
89DE053	66.3	8790	13	1	117	.6	18	9920	27.9	11	32111	52810	1960	1	1340	1323	4	30	1	370	143	32	10	1	1	47.1	2922	1	1	1	47	126	
89DE054	100.5	2200	16	6	28	.7	208	20880	4.1	10	48219	81520	650	1	450	1023	2	10	1	280	492	51	1	1	1	19.6	41	1	2	2	54	6000	



GEOCHEMICAL RESULTS

SAMPLE 89 DE	AU PPB	AG PPM	CU PPM
010	4800	135.9	3093
011	4600	76.2	92440
012	1080	49.4	7890
013	2150	65.9	25651
014	490	12.2	1442
015	50000	40.8	6068
016	5200	308.1	17149
017	1270	170.8	23713
018	6	20.1	4105
019	165	144.8	22346
020	1140	3.0	475
021	3850	523.0	45925
022	4800	260.1	23866
023	3100	29.0	7541
024	820	194.3	37865
025	605	467.3	35960
026	403	119.5	11674
027	7000	775.2	106033
028	2000	208.9	18526
029	1900	695.9	85429
030	1	0.6	94
031	120	13.3	25422
032	2000	60.2	6863
033	795	18.0	13815
034	6	1.7	339
035	39	6.7	187
036	1700	6.7	624
037	1020	45.4	9327
038	280	6.4	1459
039	6600	18.8	5318
040	82	0.6	69
041	3000	44.3	12875
042	11900	22.8	10563
043	597	8.2	3397
044	125	66.7	29097
045	2	1.0	280
046	203	12.8	596
047	1100	19.4	5376
048	560	126.7	34893
049	2750	22.2	12457
050	1450	210.0	32360
051	184	34.8	4605
052	1020	10.1	2788
053	126	66.3	32111
054	6000	100.5	48219

- LEGEND
- 039 - sample location
 - △ stream sediment
 - previous work
 - Y tunnel
 - ≡ trench
 - ▨ gossan

SAMPLE LOCATIONS
 HUNT 1 CLAIM
 NTS 93L/11E SCALE 1:5,000
 drawn by DE. Nov. 1989

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

19,555

