

ASSESSMENT REPORT

GEOCHEMISTRY

TAS EAST

OMINECA

93K/16W

A. HALLERAN

November 15, 1987

LOG NO: 0105	FD.
ACTION:	
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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,814

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ITEMIZED COST STATEMENT

Labour;

4 man days prospecting
A. Halleran , Aug 12,13,14,28/ 1987
4 days at \$200/day \$800.00

Food and Accom.
4 man days at \$50/day \$200.00

Supplies and Gas \$34.00

Transportation
4 days 2wheel drive at \$25/day \$100.00
2 days 4wheeler at \$45/day \$90.00

Geochemistry;
136 soils at \$5.00 each \$680.00

OFFICE

3 days report writing
A.Halleran , Nov 13,14,15 / 1987
3 days at \$250/day \$750.00

TOTAL

\$2654.00

INTRODUCTION

The Tas East Property is located west of Cripple Lake along the Inzana Lake Road, consists of 98 units and is accessed by logging roads. The property covers a sequence of Takla Group rocks and possibly an Upper Jurassic or Lower Cretaceous intrusive. The property also covers part of a large regional structure.

The Tas East Property was staked in June 1986 and in March 1987 by A.Halleran. The entire property is covered by varying thickness of till, but outcrop occurs 800 meters west of the property.

Soil sampling and a UG130 Threshold Scintillometer, (assessment report 1987, H&H 1,2, A.Halleran), survey was conducted over two areas for a total of 6.3 Km of scintillometer survey and 136 soils. The soil sampling defined 3 Au anomalies ranging from 100 meters by 150 meters to 400 meters by 150 meters, soils ranged upto 56 ppb. 3 to 4 single station anomalies of 20 to 30 ppb also occur.

Four days were spent prospecting the property but no outcrop was found.

LOCATION AND ACCESS

The Tas East property is located in central B.C. approximately 200 kilometers northwest of Prince George.

Access to the area is via a 70 kilometer gravel logging road which links Inzana Lake Lodge with Ft. St. James. A series of logging roads and logging patches are present on the property.

CLAIM STATISTICS

All claims were staked using the modified grid system and one claim group was created for the purpose of assessment.

CLAIM	GROUP	RECORD	UNIT	DATE	OWNER
H&H 1	Tas East	7671	20	7/7/86	A.Halleran
H&H 2	Tas East	7672	20	7/7/86	A.Halleran
Kle 1	Tas East	7973	2	10/9/86	A.Halleran
Sep 1	Tas East	7972	20	10/9/86	A.Halleran
Wint 1	Tas East	8230	20	16/3/87	A.Halleran
Wint 2	Tas East	8231	16	16/3/87	A.Halleran

GENERAL GEOLOGY

The surrounding area and possibly the property are underlain by the Upper Triassic and Later Takla Group. The Takla Group comprises metasedimentary and volcanic rocks. These are intruded by Upper Jurassic or Lower Cretaceous intrusives.

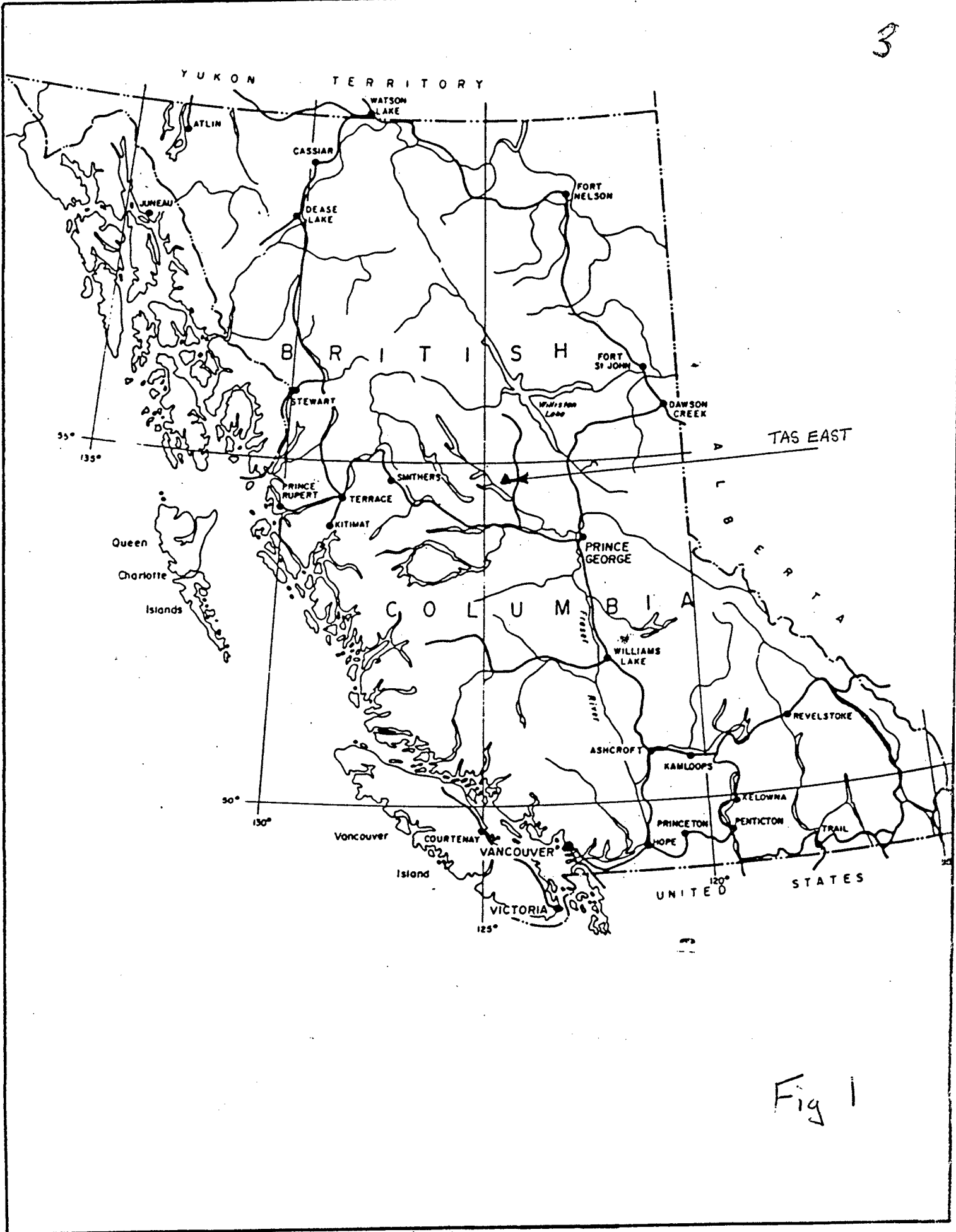
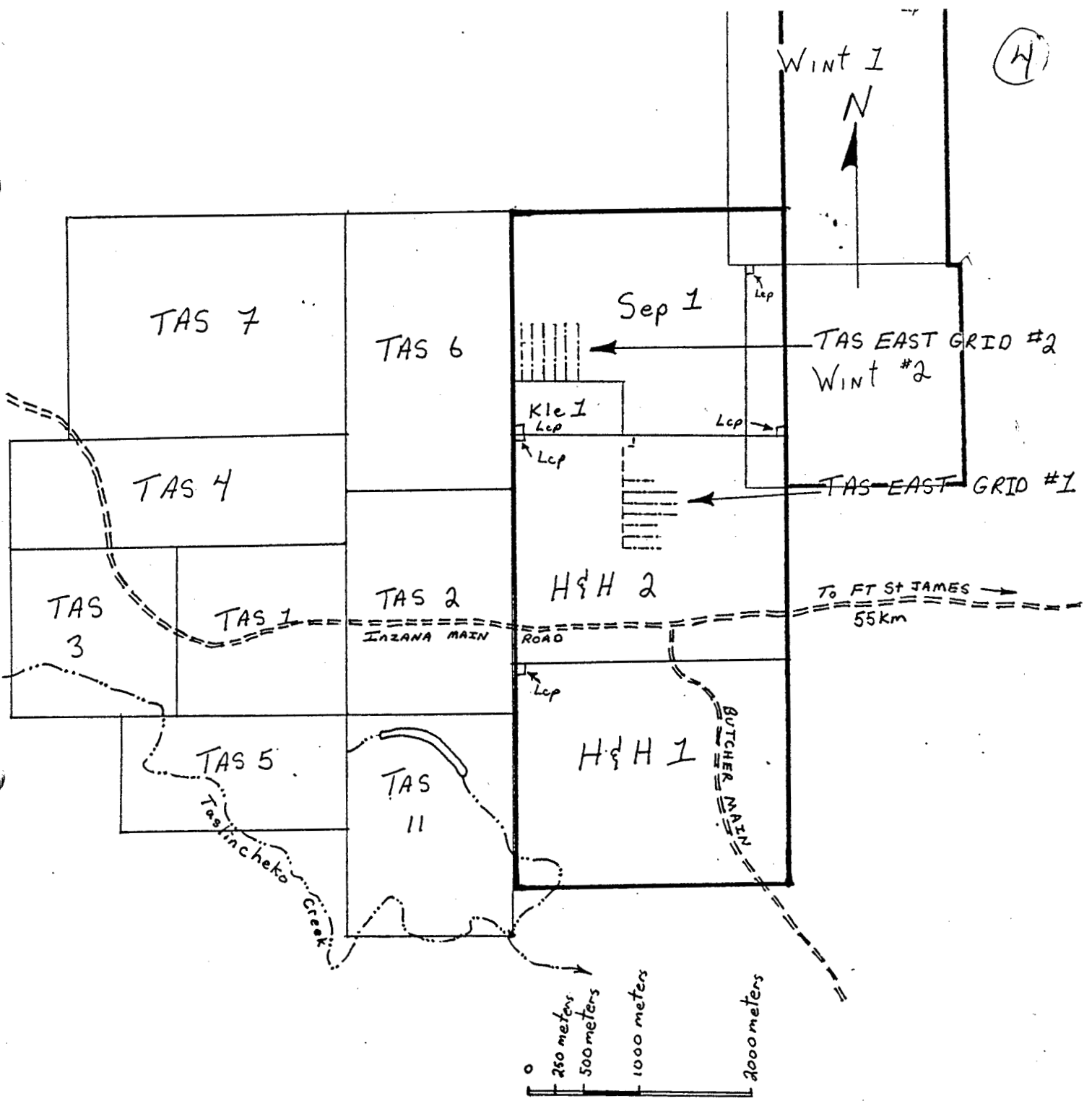
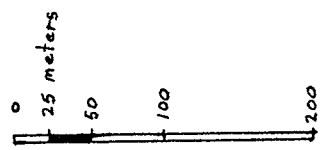
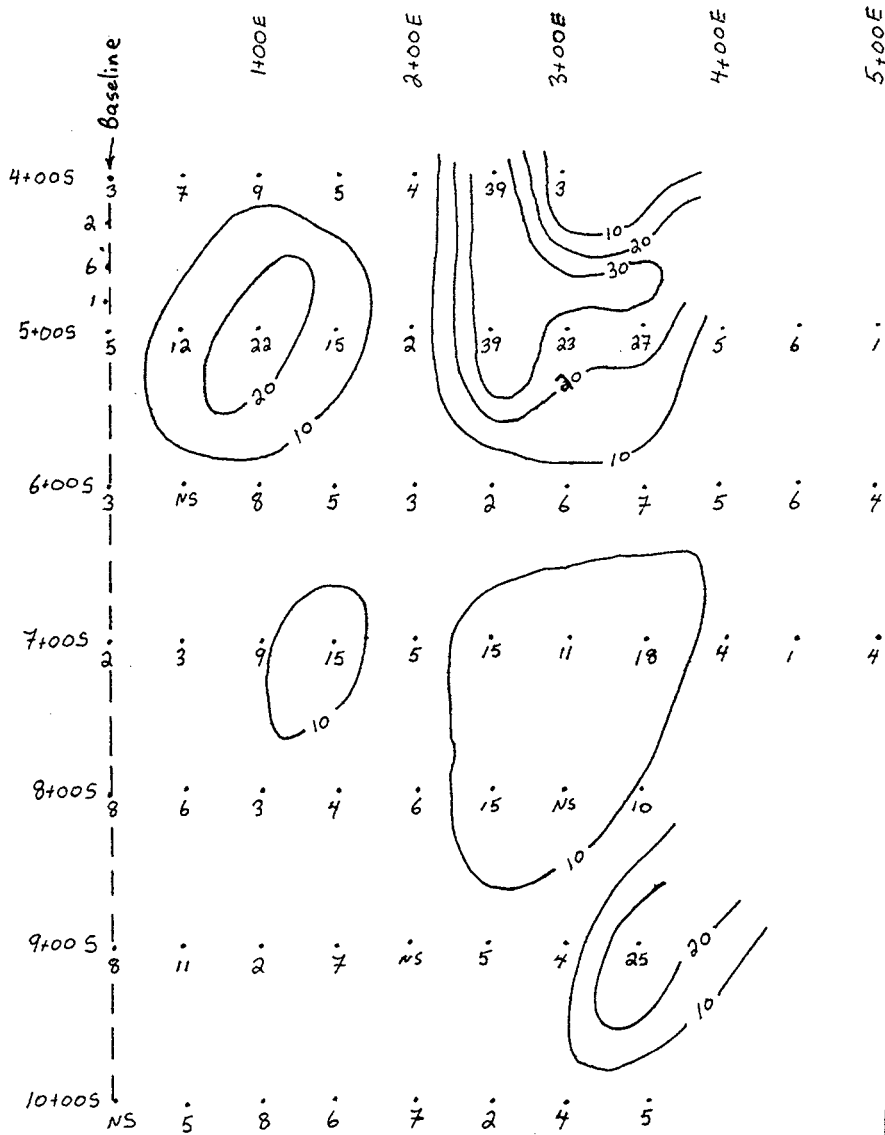


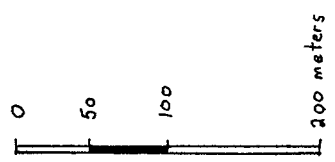
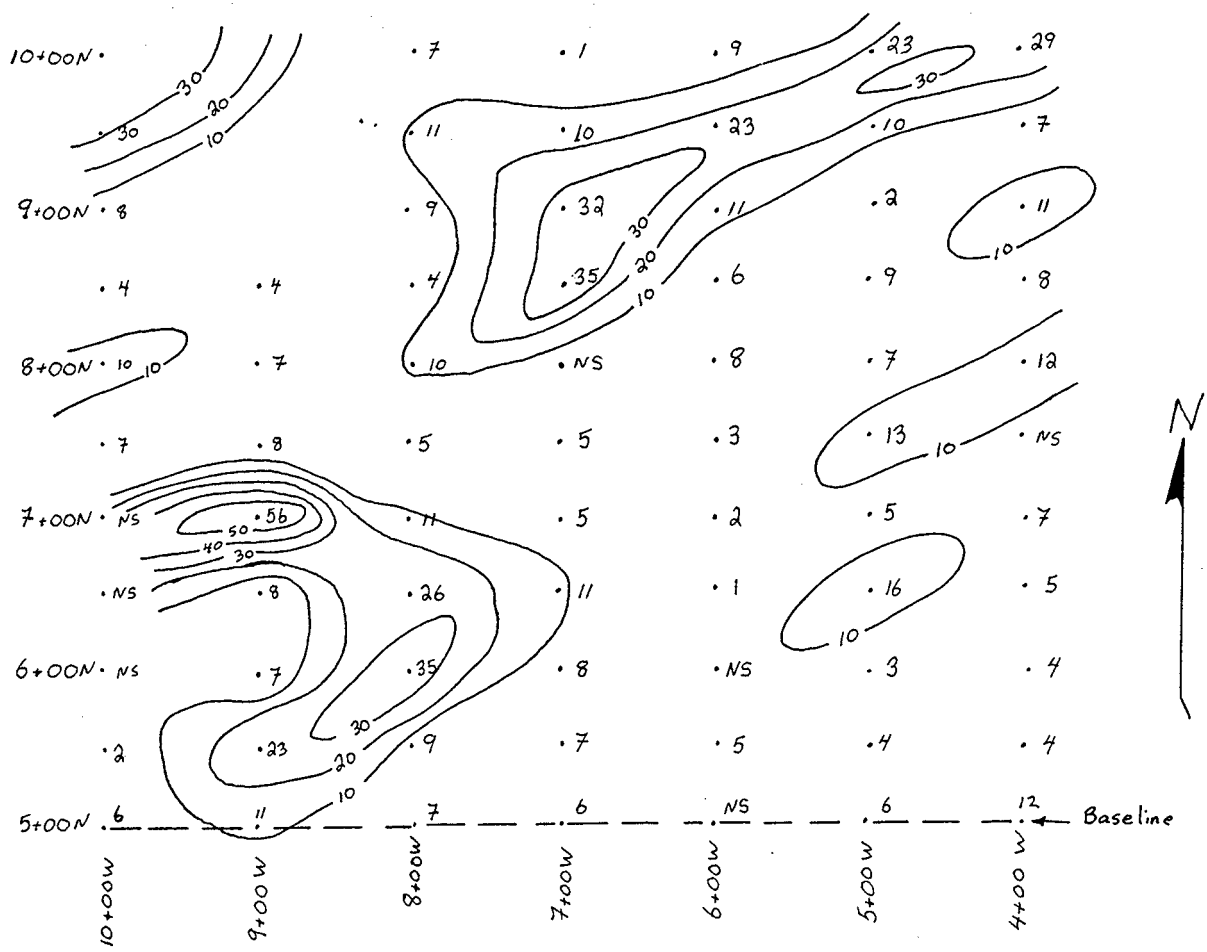
Fig 1



TAS EAST PROJECT	
PROPERTY LOCATION	
<input type="checkbox"/>	TAS EAST PROJECT
---	Base Line
----	Cross Lines
Fig 2	DATE JUNE /87
Drawn by A. Halleran	Scale 1:50,000



TAS EAST PROJECT	
TAS EAST GRID 1	
Au Geochemistry	
• ← soil location	
12 ← Au ppb	
⊖ contour Au ppb	
Fig 3	Nov 1987
A. Halleran	Scale 1:500



TAS EAST Grid #2	
Au Geochemistry	
<ul style="list-style-type: none"> • Soil location 23 Au ppb 20 contour Au ppb 	
Fig 4	Nov 1987
A. Halleran	Scale 1:500

GEOCHEMISTRY

A total of 136 soils of the b horizon were taken and placed in kraft paper sample bags. The soils were then geochemed for Au by Acme Analytical Labs. The grid was 8.0 Km of flagged, blazed and picket line. The sample interval was every 50 meters down the crossline with crosslines every 100 meters. *sample depths range from 15-91 cm.*

General

The background is less than 5ppb and the detection level is 1ppb Au. 20 ppb is classified as anomalous and 10 ppb is classified as weakly anomalous, in this report. There are numerous multi-station anomalies and many single station anomalies.

TAS EAST GRID #1 Au Geochemistry
Discription of Geochemistry

1) 5:00S - 2:50E to 3:00E

A weak Au anomaly exists, it is 100 meters by 150 meters and is open to the northeast and north. Au ranges from 23 ppb to 39ppb.

2) 7:00S - 3:00E

The very weak anomaly has 15 to 18ppb in a background of 4ppb.

3) 5:00S - 1:00E, 9:00S - 3:50E

There are two other single station highs greater then 20 ppb.

TAS EAST GRID #2 Au Geochemistry

1) 7:00N - 9:00W to 6:00N - 8:00W

This anomaly is 300 meters by 150 meters and open to the west, it ranges from 11 ppb to a high of 56 ppb Au. This anomaly is well defined by soils greater then 20 ppb Au.

2) 8:00W - 8:00N to 4:00W - 10:00N

This anomaly is greater then 400 meters long as it is open to the NE and upto 150 meters wide. Soils are in the 20-35 ppb Au range. This anomaly seems to indicate ice direction.

3) 9:50N - 10:00W

A single 30 ppb Au high open to the west, north, east as no soils are taken around it.

GEOPHYSICS

Included from previous assessment report, H&H 1,2, A.Halleran.

TAS EAST GRID #1 GEOPHYSICS

This grid has roughly 2.8 Km of survey with the UG130. There appears to be a well defined high anomaly from 09:00S 2:50E to 5:00S - 4:00E. This anomaly is just east of a well defined low anomaly at 9:00S - 2:00E. These anomalies might represent a change in the lithology of the underlying rocks from Takla sediments to intrusive. The orientation of this anomaly is roughly the same as the glacial ice movement in the area. The anomaly might therefore represent a dispersal train of the under lying rocks, ie higher percent of feldspathic intrusive rocks.

TAS EAST GRID #2 GEOPHYSICS

The area is very flat and appears to be covered by thick glacial till of unknown thickness. A weak anomaly was found from 6:00N - 8:00W to 9:00N - 7:00E but the difference between the high and the low is only about 22.

GEOCHEMISTRY RELATED TO THE GEOPHYSICS

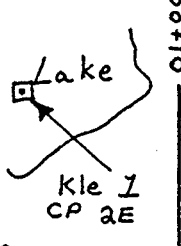
There appears to be a weak relationship between the Au geochem anomalies and the scintillometer anomalies but the relationship is not understood.

TAS EAST GRID #1

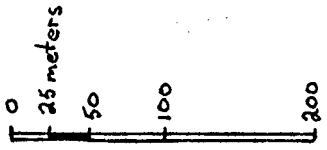
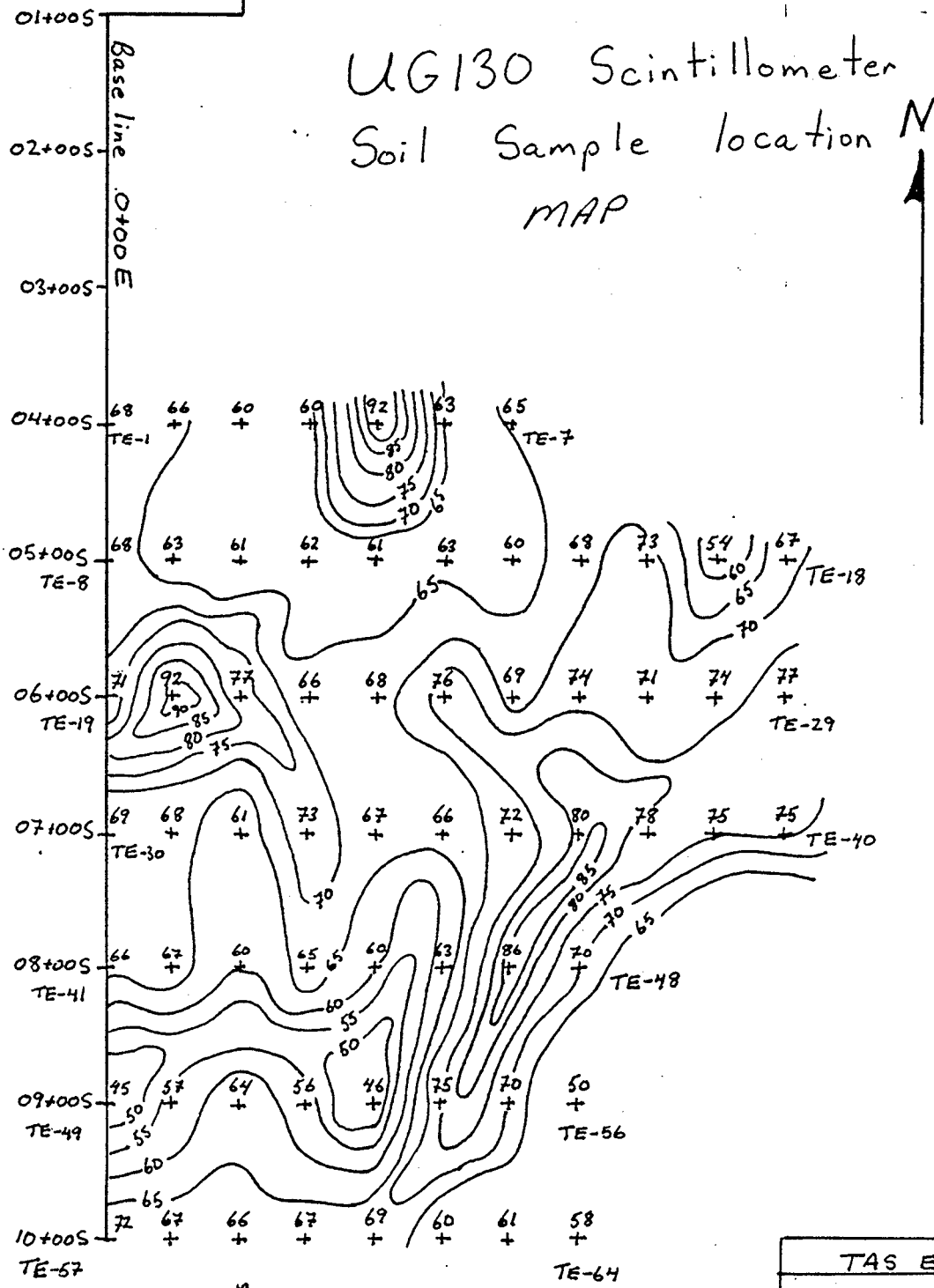
- 1) The 5:00S- 2:50E to 3:00E Au anomaly is just on the eastern flank of the 4:00S - 2:00E scint high.
- 2) The weak 7:00E - 3:00E Au anomaly coincides with the large 9:00S - 2:50E to 5:00S - 4:00E scint anomaly.

TAS EAST GRID #2

- 1) The V shaped Au anomaly 7:00N - 9:00W partly occurs over the scint low at 7:00N- 9:00W and partly over the scint high 6:00N - 8:00W.
- 2) The 8:00W - 8:00N to 4:00N - 10:00N Au anomaly originates at the northern end of the same high scint anomaly found from 6:00N - 8:00W to 10:00N - 4:00W and off in the ice direction.



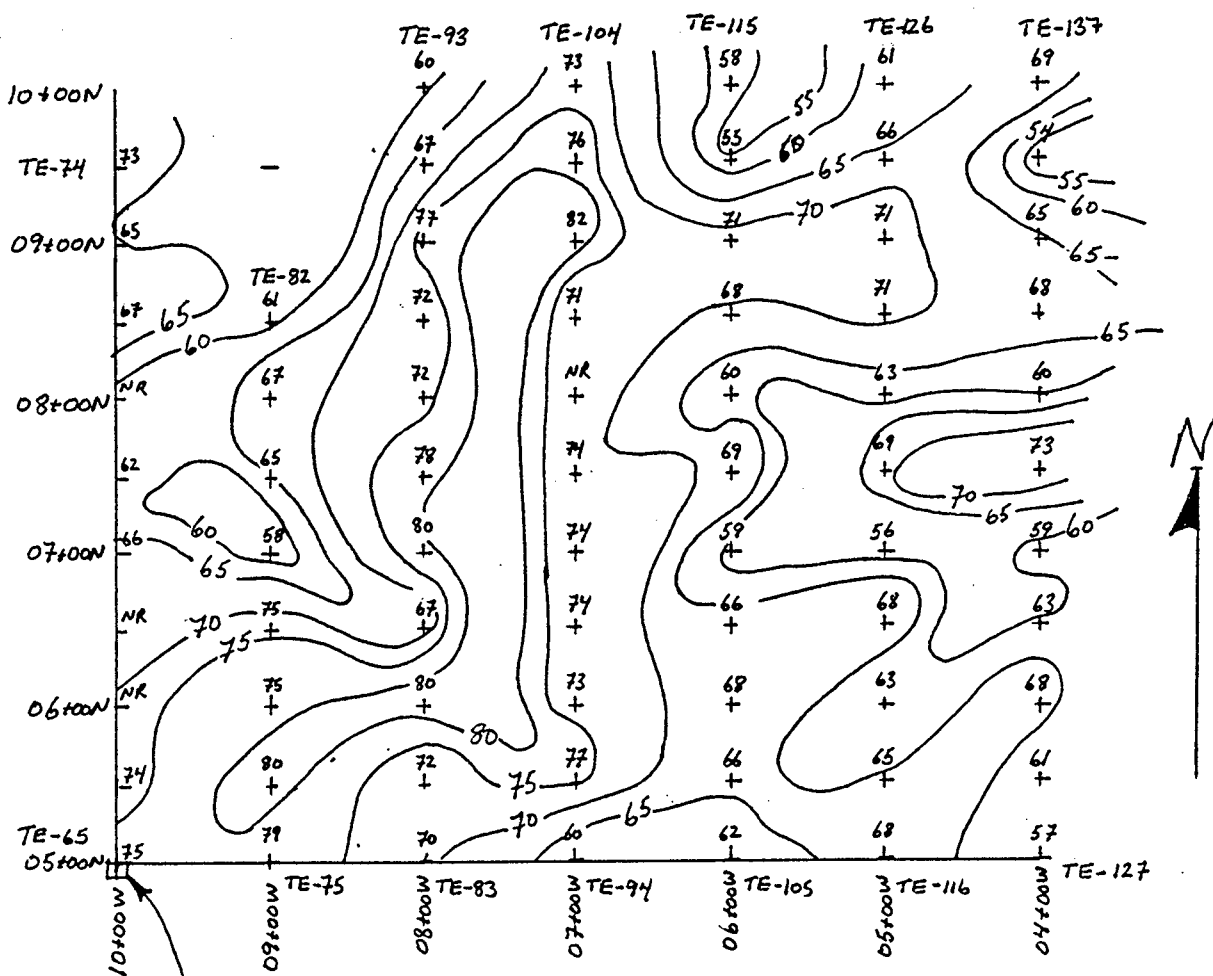
UG130 Scintillometer Survey Soil Sample location MAP



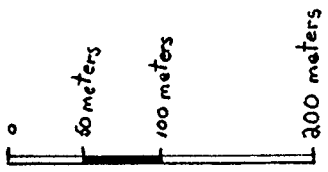
TAS EAST PROJECT	
TAS EAST GRID 1	
64 ← 10 sec Count, all energies abv 80 KeV	
+ ← location point	
TE-# ← Soil Sample #	
70 ← Contour of UG130 Scintillometer for all energies above 80 KeV	
Contour Interval 5	
Fig 5	DATE MAY 1987
Drawn by A. Hallen	Scale 1:500

UG130 Scintillometer Survey Soil Sample location MAP

10



Kle I
CP IN



TAS EAST PROJECT	
TAS EAST GRID 2	
64 ← 10sec Count, all energies above 80KeV	
+ ← location point	
TE-14 ← Soil Sample #	
Contour of UG130 Scintillometer for all energies above 80KeV Contour Interval 5	
Fig 6	Date JUNE 1987
Drawn by A. Halleran	Scale 1:500

CONCLUSION:

There are 6 definite Au anomalies ranging upto 400 meters long, (open), by 150 meters wide. The Au has a high of 56 ppb. with most of the others in the 30 ppb range which appears low but if the background of 5 ppb is taken into account they could be quite significant. Two other important things must be considered, one is the fact that only 136 soils were taken and represent a very small portion of the total property, two is the overburden. The effect of the overburden to the Au soil geochemistry is not well understood in this area. On the Tas and other properties in the area thick overburden causes weaker soil anomalies with large areas of only 1 ppb Au.

RECOMMENDATIONS

With definite Au soil anomalies the samples already collected should be geochemed for base metals.

Other soil grids should be established, one being on the southeastern part of the claim H&H 1.

An IP program should also be run over the areas.

CERTIFICATION OF QUALIFICATIONS

I, Arthur Halleran, of 7183 bridgewood Dr. Burnaby B.C.
do hereby declare:

(1) I am a 1980 graduate of the University of British
Columbia with a Honours B.Sc. degree in Geology.

(2) I have practiced my profession continuously, since
graduation, in the Yukon, B.C., and Alberta.

(3) This report is based on my field examination of the
property and available government reports.


Arthur Halleran, B.Sc.

ACME ANALYTICAL LABORATORIES LTD.
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DATE RECEIVED AUG. 27 1987

DATE REPORTS MAILED

Sept 11/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : P1 TO P4 SOIL P5 ROCK
Au* - 10 GM, IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

INZANA RES. FILE# 87-3681

PAGE# 1

SAMPLE	Au* ppb
TE 10+00W 9+50N	30
TE 10+00W 9+00N	8
TE 10+00W 8+50N	4
TE 10+00W 7+50N	10
TE 10+00W 7+00N	7
TE 10+00W 5+50N	2
TE 10+00W 5+00N	6
TE 9+00W 8+50N	4
TE 9+00W 8+00N	7
TE 9+00W 7+50N	8
TE 9+00W 7+00N	56
TE 9+00W 6+50N	8
TE 9+00W 6+00N	7
TE 9+00W 5+50N	23
TE 9+00W 5+00N	11
TE 8+00W 10+00N	7
TE 8+00W 9+50N	11
TE 8+00W 9+00N	9
TE 8+00W 8+50N	4
TE 8+00W 8+00N	10
TE 8+00W 7+50N	5
TE 8+00W 7+00N	11
TE 8+00W 6+50N	26
TE 8+00W 6+00N	35
TE 8+00W 5+50N	9
TE 8+00W 5+00N	7
TE 7+00W 10+00N	1
TE 7+00W 9+50N	10
TE 7+00W 9+00N	32
TE 7+00W 8+50N	35
TE 7+00W 7+50N	5
TE 7+00W 7+00N	5
TE 7+00W 6+50N	11
TE 7+00W 6+00N	8
TE 7+00W 5+50N	7
TE 7+00W 5+00N	6

SAMPLE	Aux ppb
TE 6+00W 10+00N	9
TE 6+00W 9+50N	23
TE 6+00W 9+00N	11
TE 6+00W 8+50N	6
TE 6+00W 8+00N	8
TE 6+00W 7+50N	3
TE 6+00W 7+00N	2
TE 6+00W 6+50N	1
TE 6+00W 5+50N	5
TE 5+00W 10+00N	23
TE 5+00W 9+50N	10
TE 5+00W 9+00N	2
TE 5+00W 8+50N	9
TE 5+00W 8+00N	7
TE 5+00W 7+50N	13
TE 5+00W 7+00N	5
TE 5+00W 6+50N	16
TE 5+00W 6+00N	3
TE 5+00W 5+50N	4
TE 5+00W 5+00N	6
TE 4+00W 10+00N	29
TE 4+00W 9+50N	7
TE 4+00W 9+00N	11
TE 4+00W 8+50N	8
TE 4+00W 8+00N	12
TE 4+00W 7+00N	7
TE 4+00W 6+50N	5
TE 4+00W 6+00N	4
TE 4+00W 5+50N	4
TE 4+00W 5+00N	12
TE 4+00S 0+00	3
TE 4+00S 0+50E	7
TE 4+00S 1+00E	9
TE 4+00S 1+50E	5
TE 4+00S 2+00E	4
TE 4+00S 2+50E	39

SAMPLE	Au*
	ppb
TE 4+00S 3+00E	3
TE 4+25S BL	2
TE 4+50S BL	6
TE 4+75S BL	1
TE 5+00S BL	5
TE 5+00S 0+50E	12
TE 5+00S 1+00E	22
TE 5+00S 1+50E	15
TE 5+00S 2+00E	2
TE 5+00S 2+50E	39
TE 5+00S 3+00E	23
TE 5+00S 3+50E	27
TE 5+00S 4+00E	5
TE 5+00S 4+50E	6
TE 5+00S 5+00E	1
TE 5+75S BL	6
TE 6+00S 0+00	3
TE 6+00S 0+50E	8
TE 6+00S 1+50E	5
TE 6+00S 2+00E	3
TE 6+00S 2+50E	2
TE 6+00S 3+00E	6
TE 6+00S 3+50E	7
TE 6+00S 4+00E	5
TE 6+00S 4+50E	6
TE 6+00S 5+00E	4
TE 7+00S 0+00	2
TE 7+00S 0+50E	3
TE 7+00S 1+00E	9
TE 7+00S 1+50E	15
TE 7+00S 2+00E	5
TE 7+00S 2+50E	15
TE 7+00S 3+00E	11
TE 7+00S 3+50E	18
TE 7+00S 4+00E	4
TE 7+00S 4+50E	1

SAMPLE	Aux ppb
TE 7+00S 5+00E	4
TE 8+00S 0+00	8
TE 8+00S 0+50E	6
TE 8+00S 1+00E	3
TE 8+00S 1+50E	4
TE 8+00S 2+00E	6
TE 8+00S 2+50E	15
TE 8+00S 3+50E	10
TE 9+00S 0+00	8
TE 9+00S 0+50E	11
TE 9+00S 1+00E	2
TE 9+00S 1+50E	7
TE 9+00S 2+50E	5
TE 9+00S 3+00E	4
TE 9+00S 3+50E	25
TE 10+00S 0+50E	5
TE 10+00S 1+00E	8
TE 10+00S 1+50E	6
TE 10+00S 2+00E	7
TE 10+00S 2+50E	2
TE 10+00S 3+00E	4
TE 10+00S 3+50E	5
54-87-1	3