

MAP NO.: ASSESSMENT REPORT X  
105 D 2 PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: 092848  
MINING DISTRICT: WHITEHORSE  
TYPE OF WORK: PROSPECTING

REPORT FILED UNDER: Geoff Rushant

DATE PERFORMED: June to september 1989

DATE FILED: May 17, 1990

LOCATION: LAT.: 60<sup>00</sup>'N

AREA: Bennett Lake

LONG.: 134<sup>56</sup>'W

VALUE \$: 4981.05

CLAIM NAME & NO.: SCOUT 1-9

WORK DONE BY: Geoff Rushant

WORK DONE FOR: Geoff Rushant

DATE TO GOOD STANDING:


REMARKS: Following the release of Open File 1989-1 Mr. Rushant staked the SCOUT claims to cover an area of copper mineralization along the granodiorite/volcanic-sediment contact. Prospecting and sampling of veins located was carried out.

Geological, Prospecting, Geochem Report  
Scout Claims 1-9

1-7 YB26318 - YB26324

8-9 YB26373 - YB26374

Map Reference 105 D/2

60 00'N 134 56'W

By: Geoff Rushant  
Prospector

Work done between June 7, 1989 and  
September 12, 1989

**CONFIDENTIAL**

**092848**

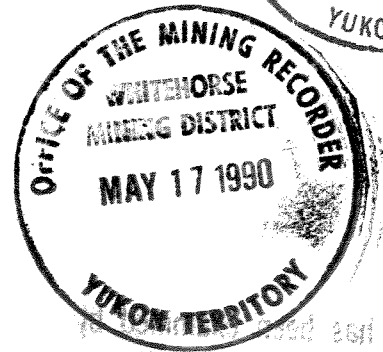
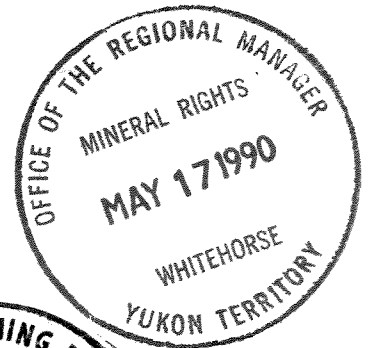
This is a report on results of prospecting activity undertaken on dates listed below and geochemical analysis, submitted for representaion work on Scout claims 1-9.

May 31 - June 7 1989 (see note page 10)  
June 20 - July 2 1989  
August 31 - September 11 1989

Travel time is inclusive in these dates.

Work was done by myself for myself as owner of the property.

Geoff Rushant  
Box 6  
Carcross, Yukon Territory  
YOB 1B0  
Phone - 821-4401



092848



This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 4981.05.

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

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## Scout Claims

### Introduction

Scout 1-7 were staked June 7, 1989 and recorded June 15, 1989. Scout 8 and 9 were staked June 21, 1989 and recorded July 4, 1989; to cover the outcrop of a rhyolite feldspar porphyry plug adjoining the Llewellyn fault. The work was carried out with the help of the Prospectors Assistance Program, Yukon Department of Mines and Economic Development.

Four maps are included to show:

- M1- General geology and claim location
- M2- Location of soil and stream sediment samples
- M3- Location of rock and vein samples
- M4- Location of Scout claims 1-9

Geochemical results from Northern Analytical Laboratories and Bondar Clegg, both of Whitehorse, are also included; 11 pages.

### Previous Work and References

A copper vein occurrence in the area of the meta-volcanic/granite contact is listed in the YEX series. YEX #14 FINGER - Reference NCMI

Uranium exploration was done in the area by E+B Exploration in 1978.

A gold/silver vein on the Ben Claims several miles north west of Scout Claims. YEX 1987 #104 BEN

Geological reference - open file 1989-1, Hart and Pelletier.

### Location and Access

The claims are located on the east side of the Bennett Range, west of Bennett Lake, just north of the B.C.-Yukon border. Work was done on foot with pack dogs from a base camp on Bennett Lake, accessed by boat from Carcross.

## Geology and Topography

From the lake to about 3400 feet, the east side of the claims is gradually sloping, covered with thick spruce, fir, willow and alder.

West of this the vegetation cover is thinner; willow, dwarf birch and juniper, except for north facing slopes of creek gullies to about 4000 feet, which are about the same as lower elevations.

Much of the unvegetated ground on the block to 5000 feet is loose rock, especially over and below the rhyolite feldspar porphyry. Above 5000 feet is the steepest area. A series of gullies from two creeks cut through most of the claims. The best outcrop exposures are in these gullies and above 5000 feet. Snow cover was confined to gullies and north slopes by June; most snow in gullies was gone by August.

The north and northeast part of the claims are underlain by granite. Granite outcrop occurs also in steeper exposures on the east part and minor stained outcrops in the southeast corner.

Most outcrop in the SSE of the claims is tawny to grey argillite, with some slate and basic volcanics. Andesite porphyry outcrops were also noted.

A heavily eroded, rusty stained section on the north side of creek 2 exposes a series of vertically inclined NNW striking sedimentary rocks, some silicified and pyritic. West of this is a rhyolite feldspar porphyry and some totally bleached. Most of it is pyritic, weathered surfaces, dark rusty red to orange.

Southwest and west part of property is a meta volcanic rock unit including basalt, and ultramafics. Chrysotile and antigorite float was also found in the SW area.

The Llewellyn fault cuts the block NNW - SSE. Shearing and faulting with horizontal slickensides is visible along creek 1, particularly the north side, for at least a kilometer.

Gossans of varying sizes occur in a general NNW trend through the claims, coincidental with the Pvs contact and over the rhyolite plug.

Outcrops of red/orange stained granite occur along a similar trend on the east part of the block.

## Work and Methods

Work in 1989 on the Scout Claims included reconnaissance and more detailed prospecting of some areas; rock, soil and stream sediment sampling analysis. Most reconnaissance work was done along the various creek gullies, sampling materials in shears, faults and veins. A total of 20 days was spent prospecting on the property and four days in boat travel on Bennett Lake. Two small hand pits were dug at 117 into a vein of clay and fragmented quartz material. A total of 3 cubic meters of material was moved.

Creeks 1 and 2 and tributaries 1A, 1B and 1C marked on maps are used as location references in parts of this report.

## Geochemical Analysis Method

1NAA (Au+33) Bondar Clegg

- 24 rock and 3 soil samples
- initial reconnaissance including stream sediment samples S1 and S2
- 5 Cu and Pb analysis were done at 3 areas

31 Element ICP NAL

- 5 rock samples
- fire assay was done after this to get lower Au values

31 Element ICP NAL

- Fire assay preconcentration with AAS analysis
- 9 rock and 17 soil samples including eight stream sediment samples of upper reaches of creeks 1 and 2.

Au+10 1NAA, AAS and cold vapour AA(Hg)

- to get different analysis method and some elements not offered in other packages
- vein material from hand pits at 117 and two rock samples, one of vein material at Pvs granite contact area, one of rusty rhyolite dike

Pt+5 Fire assay, AAS, xray fluorescence

- 1 sample of magnetite, pyrrhotite, malachite vein material

Au Fire assay preconcentration AAS

- 2 samples to test Au content that was relatively high with ICP analysis
- samples PG1 and 2V103

## Results

Anomalous mineral values were found on four areas of the property.

1. In N to NNW trending shears in granite on the NE part of the block.

2. On the NW part in the contact area of Pvs and granite and Kr.

3. On the S part of the block in the eroded, gossanous area on creek 2.

4. On the SW part and in west side of rhyolite, feldspar pophyry the Pvs unit associated with a WSW trending mafic dike.

## Stream Sediment Survey

The initial survey of the main creeks draining the property, S101 and S202, showed higher mineral values on creek 2. Au 37 ppb, Cr 440 ppm, Ni 120 ppm, Sb 10 ppm, Co 53 ppm, As 33 ppm.

Creek 1 has higher Ba, 1000 ppm, Fe 5.0%, V 11.0 ppm, Th 10.0 ppm.

Highest values of more detailed survey gave highest values at CIA especially in Cu, Pb, Zn, Mn, and 2ClO.

Area 1. At 117 a vein of greyish, quartz, carbonate and talc strikes NNW, dip 45-75 W, can be traced between creek 1 and 1A about 20m., outcrops up to 2m. in width. The granite wallrock is altered to a dark green; there is orange and white clay on the edges of the vein where it contacts the granite. Two hand pits were dug into the vein, one on the north, one on the south. Best values from samples taken from pits were: Au 270 ppb, Ag 22 ppm, Pb 1562 ppm, Cu 118 ppm, Sb 93 ppm, Hg 80 ppb, trace As.

The ground west of the vein is heavily vegetated. A small outcrop of rusty quartz similar to 117 about 150M west of 117 in creek gully.

East of the junction of creek 1 and 1B at a small spring outlet, sample 1B 101 of quartz siderite and clay altered granite gave values: Au 400 ppb, Ag 1.9, Pb 159 ppm, Cu 98 ppm, Zn 345 ppm. A soil sample (talus fine) 1BS and a sediment sample taken below the spring outlet 1BSC were also anomalous.

NW of this area across creek 1, a dark hard, fine grain, limonitic, brittle rock occurs in a NNW trending fault, about 3m. across at the creek. It was traced NNW

about 50m. where it was lost under overburden. Pyrite, minor galena and malachite can be seen in this material and in the granite wallrock. Best mineral values across two feet of this vein and wallrock are sample 159: Ag 22 ppm, Ba 1700 ppm, Cu 3577 ppm, W 16 ppm, trace As. Best combined anomalous values from samples of breccia taken from east and west sides of the vein about 40m. south of 159. Samples 119A, 119W: Au 30 ppb, Ag 19 ppm, Ba 2700 ppm, Cu 980 ppm, Pb 1127 ppm, Mo 28 ppm.

Area 2. On the west and northwest part of the claims, prospecting and sampling turned up some anomalous values in various geological settings. Sample 1A103 of a mafic west striking dike material with calcite stringers has Au 64 ppb and relatively elevated Sb, Ba and Bi.

NW, around the rhyolite intrusive the contact with granite 2 rock samples had elevated Au values. Sample 127: an outcrop of dark green rock with gray quartz and pyrite; Au 29 ppb, Ba 1900 ppm. Sample 1B102; across 3 feet of rhyolite and silicified breccia; Au 26 ppb.

NW of this is an outcrop of quartz, rhyolite and carbonate breccia with a greenish matrix. This outcrop was not sampled, but some float of this material was taken from creek 1B below, later in the season, where it is fairly abundant. BR56, a random float sample of this breccia gave values of Au 196 ppb, Ag 1.7 ppm, Cu 125 ppm, Pb 163 ppm, Zn 536 ppm. This is located on map where outcrop was seen.

Calcite veining is fairly evident in this area. Some float from creek 1C below the contact area was vuggy with crystals to 1 cm. in a soft cementlike white and greenish matrix. Red/orange staining in north trending granite shears is fairly common in the creek gullies. Some light brown, angular, sharp edged rhyolite float was found in creek 1 below creek 1C, outcrop not located.

Other anomalous values on this section of the block, adjacent to the previously mentioned granite and rhyolite hosted occurrences, are associated with the Pvs unit. They are magnetic and have higher As values than other samples, also a lower Na, U, Ba was noted.

A float sample from the head of creek 1C, sample 122 of rusty, malachite stained black (magnetic) and minor rhyolite breccia has values: Au 120 ppb, Ag 47 ppm, As 253 ppm, Fe 12%, Cu 5000 ppm, and slightly elevated values W, Sb, Mo.

Uphill to the west in a dark to greenish country rock a wavy, rusty, weathering vein of magnetite pyrrhotite with light green fluidal stringers was found. About ten feet is exposed, trending in a NW direction: sample 1C106.

SE, 20m. across some loose rock another rusty outcrop, sample 1C105, is the same magnetic material except for lots sooty black stuff. 1C106 was analysed for Pt and five other elements. It has traces of Pt, Pd and Au, Cu 833 ppm, Ni 1311 ppm, and Cr 235 ppm. 1C105 was analysed for Au and ten other elements. Only traces and minor mineral value showed up except W 50 ppm, and As 290 ppm.

The highest Au value of any on the property came from a random sample of an abundant float in creek 1 below 1C. It is a dark greenish rock with black fine grained magnetic (bands?), minor pyrite and malachite, some light brown rhyolite and rusty quartz in some specimens. It seems to be the same as the anomalous sample 122 except the analysis lacked significant As values. This sample is located on the map where outcrop of similiar rock was located.

Area 3. In this area most attention was paid to the rusty, eroded section east of the Kr intrusive. This was mostly alternating beds of argillite, sandstone, silified, pyritic sedimentary rock along with some rhyolite, clay altered feldspar porphyry and minor limestone lenses. All in vertically inclined beds trending north - south. Minor Au values were encountered along with some elevated Ba and Sb.

A series of talus fines 252-258, E - W across the base of the eroded area at approximately 40m. intervals showed a trend of better mineral values toward the east part. Best soil value being: Au 31 ppb, Mo 61 ppm, Cu 158 ppm, Pb 84 ppm, Zn 324 ppm, Ni 102 ppm, Co 78 ppm, Mn 624 ppm, As 10 ppm, Fe 9.36 %.

A small veinlike magnetite occurrence, sample 2V103, on the west end of this zone at the rhyolite intrusive contact has anomalous values of: Au 66 ppb, Ag 10 ppm, Co 146 ppm, Mn 1523 ppm, Zn 114 ppm, Pb 86 ppm, Cu 89 ppm, Bi 95 ppm, Fe 17.5%, W 15 ppm, Sb 40 ppm. Two other veins with the orange and white clay were found in this area. One has a pyritic gray chalcedony 2 inches wide. Strike NE has slightly anomalous Cu/Mo values.

Sample 160, the only one from south of the Kr, was of a granular material of a slate/vorafic volcanic contact. It is unique relative to other results in the area in that it had relatively high As, Ba and Sb values.

Area 4. West of the number 3 area and the rhyolite intrusive at the head of creek 2 there is a west trending gully cutting a greenish gray aphanitic, medium hard rock. There horizontal slickensides on the gully walls, and a dark rock (as at 119 on creek 1), up to 2m. across exposed in the gully. A 2 foot wide SW striking vertical vein branching

off this outcrop is made up of small fragments of quartz and the greenish gray wallrock with galena, sphalerite, pyrite, malacite, and a fair amount of white clay at the vein edge. Values of sample PG1 across two feet: Cu 588 ppm, Pb 3787 ppm, Zn 14,709 ppm, Ag 47.9 ppm, Mn 5932 ppm, Cd 149 ppm, Sb 24 ppm, Bi 39 ppm. Initial fire assay/AAS analysis gave less than 10 ppb Au. ICP value was 5 ppm. A subsequent fire assay rerun returned 45 ppb Au.

Further west along this gully more malachite staining was noted. On the west border of claims at the head of the gully, outcrops of dark, limonitic, magnetic, malachite stained rock was noted but not analysed.

### Summary

Precious and base metal mineralization and evidence of hydrothermal activity was found in several settings on the property. The best Au values were found on the NE and NW part associated with trending shears in Bennett Range granite on the NE, and the Pvs unit on the NW.

The Pvs associated Au/Ag seems coincident with Cu, As, magnetite and possibly tan coloured rhyolite breccia.

Cu/Ni mineralization is also associated with the Pvs (ultramafics) in that area.

Highest Pb, Zn, Ag values are associated with a SW trending mafic dike in the Pvs. Malachite staining is seen along this dike, particularly to the west.

In the SE corner, a trend toward the east of higher mineral values in soil samples, may be skarn associated as there was minor limestone seen in this area and granite outcrops just to the east.

Uranium values turned up in some samples taken in granite shears, the highest being 43 ppm.

Subsequent work will be directed at locating more veins and possibly better precious metal values along apparent north-south trends.

Initial follow up should be:

1. More detailed prospecting NW Scout 1, SW Scout 2 and trenching at 1B101.
2. Prospecting, mapping and sampling on Scout 5 and 6 at area of rhyolite/ultramafic breccia.
3. Prospecting, mapping and sampling in area of greenish quartz and rhyolite breccia; North Scout 5, East Scout 8 and West Scout 9.
4. Further prospecting, mapping and sampling of area of sample 160, Scout 8.
5. Professional evaluation of information.

Expenses

20 days @ \$150.	3000.00
Boat travel 4 round trips @ \$30.	120.00
Dog expenses	60.00
Camp expenses / R+B 20 X \$35.	700.00

[Geochem of 44 rock + 20 soil(+sed)]

24 rock Au+33 @ 13.50	324.00	
24 Prep. @ 3.75	90.00	
1 rock Pt+5 @ 22.00	22.00	
1 Prep @ 3.75	3.75	
5 Au+10 @ 19.00	95.00	
5 Prep @ 3.75	18.75	
5 ICP 31 @ 6.50	32.50	
5 Prep @ 3.75	18.75	
7 Cu @ 2.75	19.25	
2 Pb @ 1.25	2.50	
9 ICP 31 @ 6.50	58.50	
9 Prep @ 3.75	33.75	
9 FA/AAS @ 7.25	65.25	
3 Soil Au+33 @ 13.50	40.50	
3 Prep @ 1.10	3.30	
7 Soil ICP 31 @ 6.50	110.50	
17 Soil prep @ 1.00	17.00	
17 F/A 15gr @ 7.25	123.25	
2 F/A AAS prep @ 3.75	7.50	
2 F/A AAS prep @ 7.50	15.00	
	-----	1101.05
Grand Total		----- 4981.05

Note

Six days of prospecting, 1 round boat trip and collecting of 24 rock samples, 103 - 137 Au+33, were done between May 31 and June 6, 1989.

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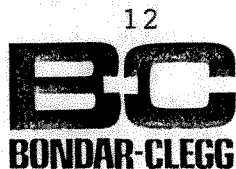
PROJECT: NONE GIVEN

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SAMPLE NUMBER	ELEMENT UNITS	As PPM	Ag PPM	Al PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM	Fe PCT
R2 103		8	<5	19	7000	3	<10	120	14	<50	6	<2	7.6
R2 102		<5	<5	2	20000	<1	<10	36	<10	130	3	<2	2.1
R2 102		7	<5	6	19000	<1	<10	40	<10	100	4	<2	1.7
R2 111		<5	<5	2	25000	<1	<10	36	<10	160	3	<2	1.6
R2 114		11	<5	6	31000	<1	<10	54	<10	110	5	<2	1.1
R2 116		19	<5	17	12000	1	<10	54	<10	78	12	<2	2.3
R2 117		2000	14	1	490	<1	<10	55	<10	160	3	<2	<0.5
R2 119A		30	19	5	27000	<1	<10	38	<10	81	4	<2	6.3
R2 119W		10	6	6	15000	<1	<10	53	13	76	6	<2	5.5
R2 120		<5	9	1	<1000	<1	<10	48	<10	70	3	<2	2.8
R2 121		<5	<5	2	880	<1	<10	31	<10	170	3	<2	0.8
R2 122		120	47	253	<1000	<1	<10	<10	37	160	2	<2	12.0
R2 123		10	<5	16	550	<1	<10	19	20	<50	<1	<2	7.5
R2 124		<5	<5	9	110	<1	<10	<10	20	<50	2	<2	3.7
R2 125		6	<5	23	800	<1	<10	28	<10	88	7	<2	1.9
R2 126		15	8	11	22000	<1	<10	50	12	<50	4	<2	10.0
R2 127		29	<5	11	19000	<1	<10	20	<10	87	5	<2	3.0
R2 127		24	<5	19	550	<1	<10	17	<10	110	17	<2	5.6
R2 130		14	<5	21	48000	<1	<10	13	<10	88	14	<2	10.0
R2 131		<5	<5	8	10000	<1	<10	24	15	53	1	<2	4.2
R2 133		13	<5	17	19000	<1	<10	51	<10	<50	5	<2	0.9
R2 133 UP 10000		24	<5	17	9000	<1	<10	39	<10	160	2	<2	2.2
R2 134		11	<5	6	13000	<1	<10	43	<10	56	4	<2	1.7
R2 135		<5	<5	6	840	<1	<10	19	<10	200	3	<2	0.6
R2 136		<5	<5	9	16000	<1	<10	44	<10	89	2	<2	1.6
R2 137		17	<5	16	12000	<1	<10	23	17	98	1	<2	6.5
R2 140		24	<5	3	17000	<1	<10	38	<10	98	<1	<2	2.8
R2 141		<5	<5	<1	310	<1	<10	20	<10	160	<1	<2	<0.5

092848

Bondar-Clegg & Company Ltd.  
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 1985-0681 Telex 04-352667



Geochemical  
 Lab Report

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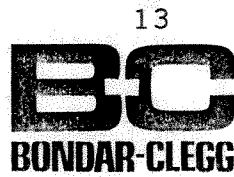
PROJECT: NONE GIVEN

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Hf PPM	Ir PPB	La PPM	Lu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM	Se PPM	Sm PPM
R1 103		18	<100	60	<0.5	13	1.50	<50	100	2.1	19.0	<10	18.0
R2 102		6	<100	23	<0.5	2	2.10	<50	180	0.6	4.1	<10	3.6
R2 109		6	<100	25	<0.5	4	2.30	<50	170	0.9	4.9	<10	3.7
R2 111		6	<100	22	<0.5	<2	2.80	<50	120	0.5	6.8	<10	4.7
R2 114		8	<100	29	<0.5	5	2.20	<50	150	2.4	5.7	<10	4.6
R2 116		4	<100	31	<0.5	15	1.80	<50	200	2.7	4.0	<10	4.3
R2 117		6	<100	29	<0.5	10	0.14	<50	210	0.9	5.7	<10	5.3
R2 119A		5	<100	24	<0.5	28	1.20	<50	220	1.7	4.9	<10	4.7
R2 119W		6	<100	31	<0.5	4	1.90	<50	200	2.0	5.9	<10	5.3
R2 120		6	<100	20	<0.5	<2	4.50	<50	25	1.6	4.4	<10	4.3
R2 121		3	<100	16	<0.5	<2	1.60	<50	76	4.6	3.2	<10	2.7
R2 122		<2	<100	6	<0.5	11	0.12	130	<10	14.0	7.7	<10	?
R2 123		3	<100	9	<0.5	4	2.50	<50	44	7.7	36.0	<10	?
R2 124		<2	<100	<5	<0.5	<2	0.30	<50	27	6.6	13.0	<10	?
R2 125		3	<100	18	<0.5	<2	1.30	<50	100	3.6	4.5	<10	?
R2 126		7	<100	20	<0.5	19	3.30	<50	110	1.7	9.0	<10	3.7
R2 127		2	<100	17	<0.5	<2	0.43	<50	130	4.3	6.9	<10	2.4
R2 129		<2	<100	10	<0.5	5	0.82	<50	220	6.2	31.0	<10	3.9
R2 130		2	<100	8	<0.5	5	0.18	<50	370	2.6	18.0	<10	1.8
R2 131		3	<100	15	<0.5	3	2.00	130	59	2.5	7.6	<10	2.9
R2 133		4	<100	30	<0.5	2	1.80	<50	130	5.3	5.5	<10	3.1
R2 133 UP10MM		3	<100	23	<0.5	21	2.10	<50	89	4.1	12.0	<10	4.2
R2 134		3	<100	27	<0.5	7	2.20	<50	83	2.4	5.0	<10	3.0
R2 135		<2	<100	14	<0.5	6	0.75	<50	79	0.8	2.8	<10	1.2
R2 136		3	<100	27	<0.5	<2	2.70	<50	63	0.6	4.4	<10	2.7
R2 137		2	<100	16	<0.5	5	1.90	50	68	20.0	11.0	<10	3.0
R2 140		4	<100	23	<0.5	56	3.00	<50	56	1.4	6.3	<10	2.9
R2 141		<2	<100	11	<0.5	<2	1.70	<50	81	0.6	0.6	<10	1.1

092848

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# Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

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REPORT: V89-113502.11

PROJECT: NONE GIVEN      PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Ta PPM	Tb PPM	Te PPM	Th PPM	U PPM	W PPM	Yb PPM	Zn PPM	Zr PPM	Cu PPM	Pb PPM
R2 103		<200	4	3	<20	58.8	43.0	8	6	<200	1200		
R2 102		<200	<1	<1	<20	15.0	3.8	<2	<5	<200	<500		
R2 109		<200	1	<1	<20	16.0	7.3	3	<5	<200	<500		
R2 111		<200	<1	<1	<20	11.0	3.5	<2	<5	<200	510		
R2 114		<200	1	<1	<20	13.0	5.2	<2	<5	<200	<500		
R2 116		<200	1	<1	<20	20.0	12.0	3	<5	<200	<500		
R2 117		<200	<1	<1	<20	18.0	2.8	7	<5	<200	<500		
R2 119A		<200	<1	<1	<20	15.0	3.9	16	<5	670	<500	980	1127
R2 119W		<200	1	<1	<20	17.0	10.0	9	<5	330	<500	949	149
R2 120		<200	1	<1	<20	18.0	13.0	4	<5	<200	<500		
R2 121		<200	<1	<1	<20	9.1	3.5	<2	<5	<200	<500		
R2 122		<200	<1	<1	<20	<0.5	<0.5	11	<5	<200	<500	5000	19
R2 123		<200	<1	1	<20	<0.5	6.6	3	<5	200	<500	183	30
R2 124		<200	<1	<1	<20	<0.5	1.5	<2	<5	<200	<500		
R2 125		<200	<1	<1	<20	10.0	2.5	<2	<5	<200	<500		
R2		<200	2	<1	<20	20.0	11.0	14	<5	1100	<500		
R2		<200	<1	<1	<20	8.2	6.7	8	<5	<200	<500		
R2 129		<200	<1	<1	<20	<0.5	0.6	58	<5	<200	<500		
R2 130		<200	<1	<1	<20	6.6	7.3	<2	<5	770	<500		
R2 131		<200	<1	<1	<20	4.1	4.9	<2	<5	520	<500		
R2 133		<200	<1	<1	<20	9.2	3.5	2	<5	<200	<500		
R2 133 UP100M		<200	<1	<1	<20	6.3	4.2	<2	<5	<200	<500		
R2 134		<200	<1	<1	<20	8.5	3.4	<2	<5	<200	<500		
R2 135		<200	<1	<1	<20	5.2	1.6	<2	<5	<200	<500		
R2 136		<200	<1	<1	<20	9.2	3.0	<2	<5	<200	<500		
R2 137		<200	<1	<1	<20	5.1	4.0	<2	<5	<200	<500	45	72
R2 140		<200	<1	<1	<20	9.3	4.2	<2	<5	<200	<500	377	9
R2 141		<200	1	<1	<20	13.0	3.9	<2	<5	<200	<500		

092848

A DIVISION OF INDIAN INSPECTION & TESTING SERVICES

REPORT: V87-1143111.11

DATE PRINTED: 27-JUL-89

PROJECT: NONE GIVEN

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPM	Ag PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM	Fe PCT
S1 111C		<5	<5	17	10000	<1	<10	59	19	160	6	<2	5.0
S1 202C		37	<5	33	560	3	<10	22	53	420	3		2.3
R2 151		<5	<5	23	2100	<1	<10	19	<10	110	7		
R2 152		6	<5	56	1100	<1	<10	14	<10	150	6		
R2 153		<5	<5	15	3600	<1	<10	68	12	77	10		5.3
R2 154		<5	<5	22	1900	<1	<10	52	<10	110	3	<2	2.5
R2 155		<5	<5	12	810	<1	<10	48	<10	73	8	<2	2.9
R2 156		5	<5	22	1000	<1	<10	54	<10	67	5	<2	2.3
R2 157		21	8	5	790	<1	<10	56	<10	60	6	<2	2.8
R2 159		<5	22	5	1700	<1	<10	59	<10	53	3	<2	3.9
R2 160		<5	<5	188	3300	<1	<10	40	18	92	4	<2	4.2

REPORT: V87-1143111.11

DATE PRINTED: 27-JUL-89

PROJECT: NONE GIVEN

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Hf PPM	Ir PPM	Ia PPM	Iu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM	Se PPM	Sm PPM
S1 111C		6	<100	31	<0.5	<2	1.60	55	85	4.3	23.0	<10	5.0
S1 202C		<2	<100	14	<0.5	5	0.59	120	32	10.0	54.6	<10	3.2
R2 151		<2	<100	10	<0.5	8	2.80	<50	98	1.3	2.2	<10	1.2
R2 152		<2	<100	8	<0.5	7	1.00	<50	160	4.2	2.0	<10	1.2
R2 153		3	<100	41	<0.5	23	0.46	<50	190	16.0	16.0	<10	5.1
R2 154		5	<100	31	<0.5	7	2.60	<50	150	1.7	6.8	<10	4.8
R2 155		4	<100	28	<0.5	<2	1.90	<50	190	1.9	5.5	<10	4.1
R2 156		3	<100	26	<0.5	<2	2.70	<50	240	2.3	14.0	<10	1.1
R2 157		5	<100	31	<0.5	<2	2.60	<50	160	1.4	5.6	<10	
R2 159		5	<100	31	<0.5	<2	2.60	<50	160	1.3	5.7	<10	
R2 160		4	<100	28	<0.5	8	2.30	79	96	17.0	12.0	<10	

REPORT: V87-1143111.11

DATE PRINTED: 27-JUL-89

PROJECT: NONE GIVEN

PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Ta PPM	Tb PPM	Te PPM	Tl PPM	U PPM	W PPM	Yb PPM	Zn PPM	Zr PPM	Cu PPM
S1 111C		<200	<1	<1	<20	10.0	11.0	5	<5	240	<500	
S1 202C		<200	<1	<1	<20	3.2	2.3	4	<5	260	<500	
R2 151		<200	<1	<1	<20	3.1	1.7	<2	<5	<200	<500	7
R2 152		<200	<1	<1	<20	2.7	1.9	<2	<5	<200	<500	
R2 153		<200	<1	<1	<20	16.0	6.2	4	<5	<200	<500	
R2 154		<200	1	<1	<20	16.0	6.3	2	<5	<200	<500	2
R2 155		<200	2	<1	<20	19.0	9.5	9	<5	480	<500	
R2 156		<200	<1	1	<20	8.9	4.8	3	<5	<200	<500	
R2 157		<200	1	<1	<20	17.0	5.7	7	<5	<200	570	
R2 159		<200	1	<1	<20	15.0	11.0	7	<5	250	<500	3577
R2 160		<200	<1	<1	<20	10.0	4.6	2	<5	220	<500	54

092848

CAVENDISH ANALYTICAL LABORATORY LTD.

2225 S. Springer Ave., Burnaby,  
British Columbia, Can. V5B 3W1  
Ph:(604)299-2560 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LAB LTD.  
105 COPPER RD.  
WHITEHORSE YUKON  
PROJECT : 29067  
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 89081005  
INVOICE # : AUG 80  
DATE ENTERED : 89/08/11  
FILE NAME : ICP81005  
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	I FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	I CA	I P	PPM LA	PPM CR	I MG	PPM BA	I TI	PPM B	I AL	I NA	I SI	PPM W	PPM BE
	105	5	101	44	61	0.1	3	1	359	1.67	14	na	ND	ND	46	1	11	22	35	0.46	0.14	6	55	0.52	63	0.06	88	1.46	0.01	0.01	1	1
	110	5	52	12	62	0.1	33	5	442	1.79	87	na	ND	ND	59	1	11	30	49	0.53	0.14	11	75	0.50	95	0.06	50	1.42	0.01	0.01	1	1
	113	14	109	1	166	0.1	54	1	206	4.85	81	na	ND	ND	272	1	11	2	55	1.95	0.25	1	87	0.47	156	0.03	558	3.28	0.01	0.01	1	2
	146	6	33	67	113	1.0	2	1	315	2.21	8	na	ND	ND	110	5	7	25	9	0.24	0.11	19	50	0.30	116	0.01	59	1.03	0.01	0.01	1	1
	148	17	48	27	66	1.4	4	1	352	1.97	8	na	ND	ND	192	1	11	32	17	0.45	0.11	8	60	0.35	71	0.01	221	1.34	0.01	0.01	1	1
	149	24	132	15	67	1.6	5	1	494	2.35	8	na	ND	ND	82	1	11	36	29	0.51	0.16	9	78	0.71	117	0.04	241	1.61	0.01	0.01	1	1

CERTIFIED BY :

*W. R. Price*

092848

CAVENDISH ANALYTICAL LABORATORY LTD.

2225 S. Springer Ave., Burnaby,  
British Columbia, Can. V5B 3N1  
Ph:(604)293-2560 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : NORTHERN ANALYTICAL LAB LTD  
105 COPPER ROAD  
WHITEHORSE YT  
PROJECT : 29248  
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 891019B3  
INVOICE # : OCT 89  
DATE ENTERED : 89/10/26  
FILE NAME : I1019B3  
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM Mn	I FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	I CA	I P	PPM LA	PPM CR	I MG	PPM BA	I TI	PPM B	I AL	I NA	I SI	PPM W	PPM BE
	STDS	22	766	524	452	15.9	232	296	846	2.89	345	5	65	734	862	176	670	482	138	0.37	1.98	1267	83	0.48	294	0.15	638	1.61	0.01	0.01	268	47
	STD69	17	212	357	367	0.6	12	3	108	0.77	192	5	ND	ND	19	1	2	2	15	0.61	0.02	6	127	0.27	46	0.02	5	0.22	0.02	0.01	1	1
	1B 101	12	98	159	345	1.9	4	11	1188	1.60	48	5	ND	ND	20	5	2	9	15	0.36	0.04	23	48	0.10	96	0.01	5	0.40	0.01	0.01	1	1
	1B 102	23	41	37	49	2.2	24	13	514	2.01	49	5	ND	ND	121	2	7	9	73	2.63	0.07	12	65	0.32	70	0.06	75	1.83	0.01	0.07	11	2
	1A 103	7	41	36	75	2.5	40	25	424	2.70	40	5	ND	ND	173	3	7	10	91	1.45	0.09	13	144	1.58	687	0.23	114	3.41	0.01	0.05	7	2
	1A V4	12	63	106	143	3.4	4	16	1570	2.10	2	5	ND	ND	27	1	2	2	18	0.16	0.04	14	72	0.20	150	0.02	5	0.93	0.04	0.01	1	1
	2114	17	49	19	78	0.1	35	12	154	2.56	73	5	ND	ND	396	2	2	2	73	2.31	0.06	11	59	0.36	122	0.09	385	4.13	0.10	0.03	5	2
	2V101	11	19	15	42	0.1	11	12	127	1.62	44	5	ND	ND	85	1	2	2	35	0.14	0.04	7	60	0.29	32	0.04	5	1.31	0.09	0.01	1	1
	2V102	58	128	56	49	0.1	15	15	114	2.69	23	5	ND	ND	208	2	2	2	51	0.17	0.07	19	54	0.17	216	0.01	219	1.12	0.08	0.04	1	1
	RA506	8	5	14	53	0.1	5	6	286	1.38	2	5	ND	ND	17	1	2	2	3	0.27	0.01	45	59	0.03	137	0.01	5	0.33	0.01	0.01	1	1
	252	61	158	84	324	0.1	102	78	406	9.36	109	5	ND	ND	262	10	13	19	174	0.44	0.19	24	45	0.55	174	0.11	199	4.11	0.01	0.04	9	4
	253	44	142	81	265	0.1	70	63	624	7.22	111	5	5	ND	264	6	2	5	137	0.61	0.15	22	26	0.62	192	0.10	117	3.78	0.01	0.02	5	3
	254	23	107	34	174	0.1	24	31	495	5.14	29	5	ND	ND	154	2	2	2	104	0.34	0.13	18	17	0.72	151	0.16	91	2.68	0.01	0.01	1	2
	255	31	81	42	164	0.1	33	40	443	5.90	52	5	ND	ND	204	3	2	2	105	0.37	0.14	17	19	0.76	145	0.16	114	3.65	0.01	0.02	2	2
	256	45	114	86	124	0.1	40	39	423	6.78	26	5	ND	ND	319	3	2	2	157	0.26	0.16	16	25	0.96	180	0.12	152	4.67	0.01	0.02	1	3
	257	49	71	32	71	0.1	11	22	293	4.78	13	5	ND	ND	410	1	2	2	47	0.24	0.17	24	16	0.62	250	0.05	125	3.00	0.01	0.02	1	1
	258	22	73	45	80	0.1	10	21	331	4.80	8	5	ND	ND	543	1	2	2	61	0.41	0.19	25	18	0.88	287	0.08	158	2.91	0.01	0.02	1	1
	2C1	4	70	27	95	0.4	32	18	446	2.69	41	5	ND	ND	156	2	2	2	73	1.21	0.09	17	65	0.88	114	0.07	5	2.32	0.01	0.06	5	2
	2C9	23	87	64	98	0.1	15	28	398	5.58	19	5	ND	ND	382	2	2	2	97	0.52	0.17	21	37	0.99	305	0.12	94	2.87	0.01	0.04	3	2
	2C10	7	91	93	166	0.4	54	39	674	3.69	24	5	ND	ND	159	3	6	2	120	0.88	0.06	8	151	1.27	95	0.14	5	1.76	0.01	0.03	5	2
	2C11	4	23	13	62	0.1	19	18	253	2.31	60	5	ND	ND	56	1	2	2	74	0.59	0.05	19	68	0.37	48	0.05	5	0.98	0.01	0.03	1	1
	RA21	3	14	40	133	0.2	6	19	540	2.31	2	5	ND	ND	40	1	2	2	54	0.48	0.08	5	43	1.10	131	0.12	19	1.51	0.06	0.01	1	1
	RA22	2	5	1	44	0.1	1	5	235	1.25	2	5	ND	ND	19	1	2	2	16	0.15	0.03	9	33	0.25	28	0.01	64	0.51	0.10	0.01	1	1
	RA501	4	3	10	22	0.1	5	7	328	0.87	11	5	ND	ND	245	1	2	2	13	1.66	0.05	7	41	0.30	667	0.02	5	0.67	0.09	0.01	1	1
	RA502	3	5	9	40	0.1	5	7	699	0.91	12	5	ND	ND	112	1	2	2	24	2.51	0.06	9	36	0.45	83	0.06	5	0.72	0.05	0.01	1	1
	RA504	6	11	26	34	0.1	2	5	167	1.21	2	5	ND	ND	25	1	2	2	13	0.11	0.02	2	71	0.16	44	0.05	55	0.28	0.04	0.01	1	1
	RA505	4	6	1	24	0.1	2	4	215	0.97	2	5	ND	ND	10	1	2	2	11	0.05	0.01	4	55	0.17	54	0.01	26	0.34	0.02	0.01	1	1
	P61	7	588	3787	14709	47.9	6	21	5932	2.39	18	5	5	ND	125	149	24	39	24	2.12	0.05	13	35	1.63	93	0.01	157	2.39	0.01	0.01	1	1
	P62	7	29	47	81	1.3	8	8	1103	1.10	26	5	ND	ND	122	1	2	2	19	6.00	0.05	40	15	0.10	36	0.01	5	0.49	0.05	0.01	3	1
	1B5	7	55	91	150	2.2	5	24	1537	3.41	22	5	ND	ND	54	1	2	2	39	1.02	0.11	51	7	0.44	204	0.03	5	1.60	0.01	0.01	1	2
	1B5C	26	55	147	104	3.7	3	22	1548	2.89	24	5	ND	ND	45	1	2	23	31	0.59	0.10	40	5	0.30	172	0.02	5	1.10	0.01	0.01	1	1
	C1A	6	164	767	917	3.5	12	18	2276	2.60	24	5	ND	ND	233	10	2	2	46	0.91	0.09	27	14	1.04	324	0.03	5	2.48	0.01	0.05	2	2
	C1B	4	39	55	93	2.1	42	30	575	3.33	26	5	ND	ND	221	2	9	14	108	1.01	0.09	14	137	1.41	137	0.12	5	1.76	0.01	0.03	5	2
	C1C	5	73	132	165	1.9	40	26	785	3.39	30	5	ND	ND	198	1	3	5	107	1.11	0.12	21	56	1.25	150	0.13	5	2.20	0.01	0.02	4	2
	2V103	21	89	86	114	10.0	25	146	1523	17.53	45	5	10	ND	284	2	40	95	121	0.42	0.05	16	7	0.10	61	0.06	36	1.85	0.01	0.01	15	2
	2W15	18	194	156	434	3.9	79	74	658	7.95	20	5	ND	ND	270	6	10	13	76	0.16	0.16	19	18	0.80	357	0.17	35	6.01	0.01	0.02	9	4
	STD69	18	202	362	399	0.8	15	6	109	0.77	200	5	ND	ND	20	1	4	5	16	0.62	0.02	8	127	0.26	48	0.02	5	0.22	0.02	0.01	1	1
	STDS	29	858	609	575	19.9	274	360	1028	3.33	427	5	78	879	988	210	815	10	162	0.49	2.51	1385	99	0.57	350	0.17	781	1.84	0.01	0.01	338	57

092848

CERTIFIED BY : W. Reeves

October 23, 1989

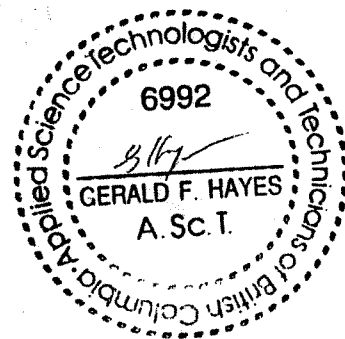
Geoff Rushant  
Box 6  
Carcross, Yukon

ASSAY CERTIFICATE FOR SAMPLES PROVIDED

WORK ORDER # 29248a

<u>Sample</u>	<u>ppb Au</u>
2w1s	<10
2c1	<10
2s2	<10
2s3	31
2s4	<10
2s5	10
2s6	<10
2s7	23
2s8	14
2c9	28
2c10	22
2c11	<10
c1a	16
c1b	30
1bs	49
1bse	305
c1c	<10

Au -- 15g Fire Assay/AAS



092.848

October 23, 1989

Geoff Rushant  
Box 6  
Carcross, Yukon

ASSAY CERTIFICATE FOR SAMPLES PROVIDED

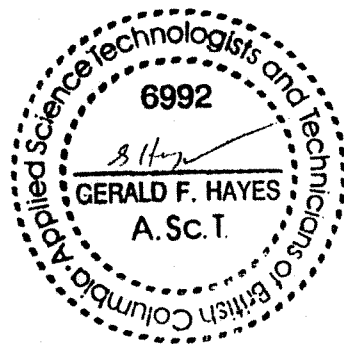
WORK ORDER # 29248b

Sample                   ppb Au

---

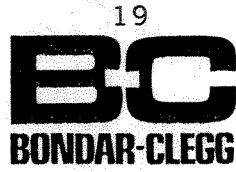
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1b102	26
1a103	64
2114	<10
1av4	<10
2v101	<10
2v102	<10
2v103	66
pg1	<10
pg2	<10
ra21	<10
ra22	<10
ra501	<10
ra502	<10
ra504	<10
ra505	<10
ra506	<10

Au -- 15g Fire Assay/AAS



**092848**

Bondar-Clegg & Company Ltd.  
130 Pemberton Ave.  
North Vancouver, B.C.  
V7P 2R5  
985-0681 Telex 04-352667



# Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05643.0

DATE PRINTED: 5-OCT-89

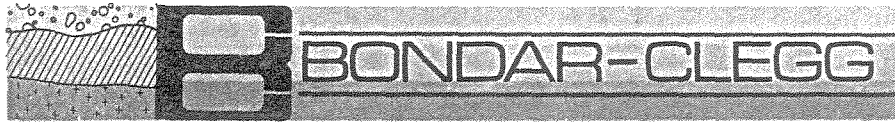
PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	Mo PPM	Pb PPM	Zn PPM	As PPM	Ba PPM	Sb PPM	W PPM	Hg PPB
R2 1AV1		68	17.1	118	7	1562	71	27	510	93	10	80
R2 1AV2		100	7.6	27	8	291	74	9	640	12	13	30
R2 1AV3		270	22.1	21	3	145	39	6	840	3	17	10
R2 1B104		<10	0.8	78	4	60	63	27	2000	4	<2	15
R2 1C105		11	3.3	233	4	71	25	290	<100	20	50	20

092848

Bondar-Clegg & Company Ltd.  
136 Industrial Road  
Whitehorse, Yukon Territory Y1A 2V1  
Phone: (403) 667-6523  
Telex: 036-8-460



Geochemical  
Lab Report

REPORT: V89-05404.0

DATE PRINTED: 4-OCT-89  
PROJECT: NONE GIVEN

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SAMPLE NUMBER	<i>map #</i> ELEMENT UNITS	PT PPB	PD PPB	AU PPB	CU PPM	NI PPM	CR PPM	<i>MAP #</i>
R2 10106	<i>M 1</i>	13	5	0	833	1311	235	<i>M 1</i>

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Lab Report

REPORT: V89-07245.0

DATE PRINTED: 27-NOV-89

PROJECT: NONE GIVEN

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SAMPLE NUMBER	ELEMENT UNITS	AU PFB	AG PPM	AS PPM	BA PPM	BE PPM	BI PPM	CD PPM	CE PPM	CU PPM	CR PPM	CI PPM
P4 Y110		9										
R2 BR56		196	1.7	8	202	0.6	<2	6	40	2	76	125
R2 MM56		136	4.9	<5	273	<0.5	8	<1	20	22	40	3594
R2 PG1		45										
R2 Y10		12	<0.5	<5	64	<0.5	4	<1	<5	2	103	35
R2 2V103		39										

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SAMPLE NUMBER	ELEMENT UNITS	GA PPM	LA PPM	LI PPM	HD PPM	NB PPM	NI PPM	FB PPM	RB PPM	SB PPM	SC PPM	SN PPM
P4 Y110												
R2 BR56		5	5	12	2	5	<1	163	<20	5	27	<20
MM56		2	3	24	1	5	<1	<2	<20	7	6	<20
PG1												
R2 Y1A		<2	<1	3	3	4	<1	<2	<20	<5	15	<20
R2 2V103												

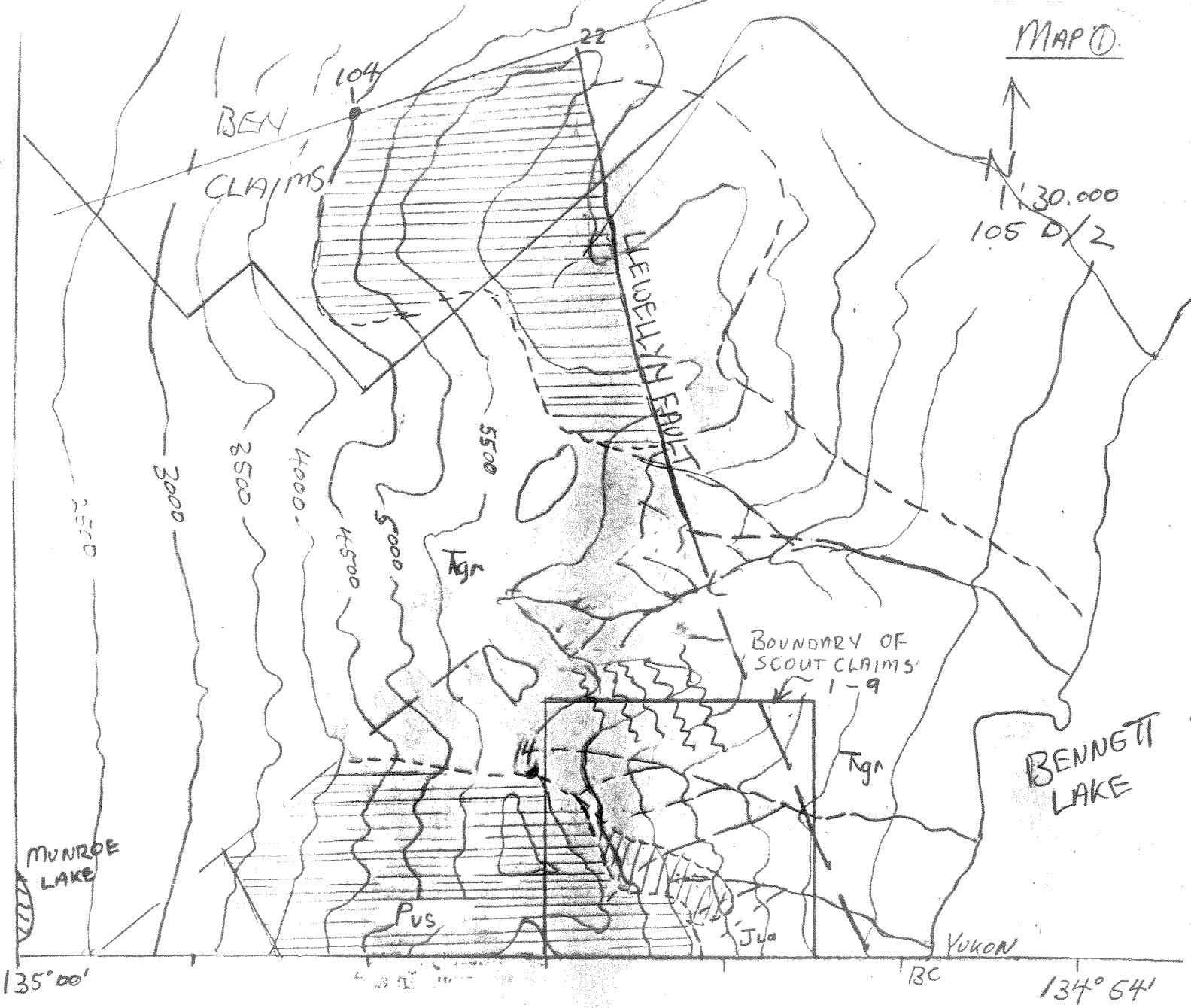
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SAMPLE NUMBER	ELEMENT UNITS	SR PPM	TA PPM	TE PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
P4 Y110									
R2 BR56		349	<10	<10	13	<10	6	536	13
R2 MM56		125	23	<10	130	<10	7	90	4
R2 PG1									
R2 Y1A		9	<10	<10	8	<10	14	18	4
R2 2V103									

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Pvs - Permian? INTERMEDIATE TO FELSIC PYROCLASTIC ROCKS  
 basic lava FLOWS, LITHIC GREYWACKE, PEBBLE  
 conglomerate, hornfels and GREEN Pyroxenite.

BC OPEN FILE - ADJACENT in B.C. mapped as altered Pyroxenites  
 1988-5 Gabbros and mafic flows.

O.F. 1989-1 Tgr - TRIASSIC BENNETT LAKE GRANITE



Kr - Rhyolite / Feldspar porphyry plug.



- SHEAR ZONE in GRANITE

Jla - JURASSIC sedimentary rocks shale, argillite, conglomerate

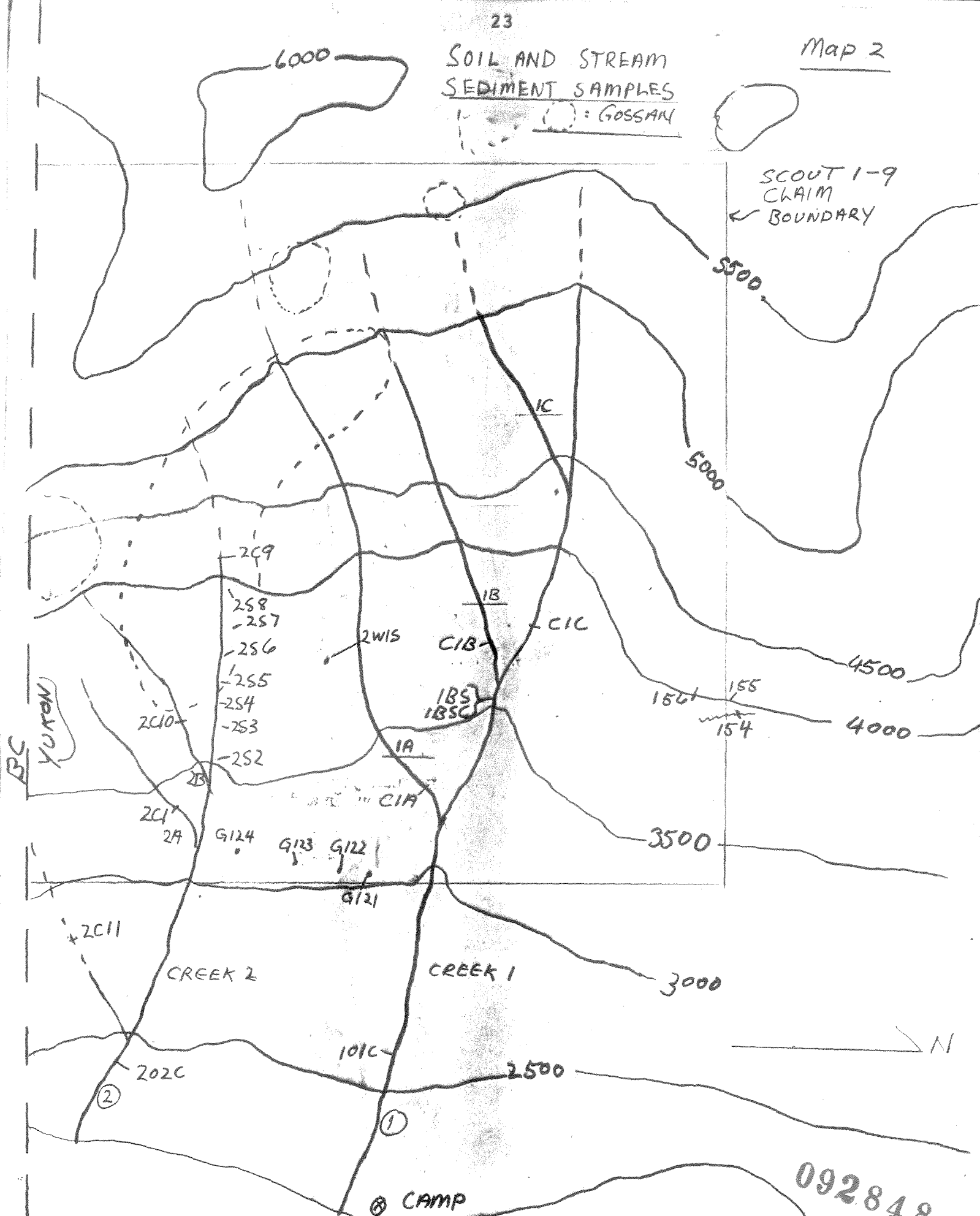
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# SOIL AND STREAM SEDIMENT SAMPLES

Map 2

( ) = GOSSAN

SCOUT 1-9  
CLAIM  
BOUNDARY



BENNETT LAKE

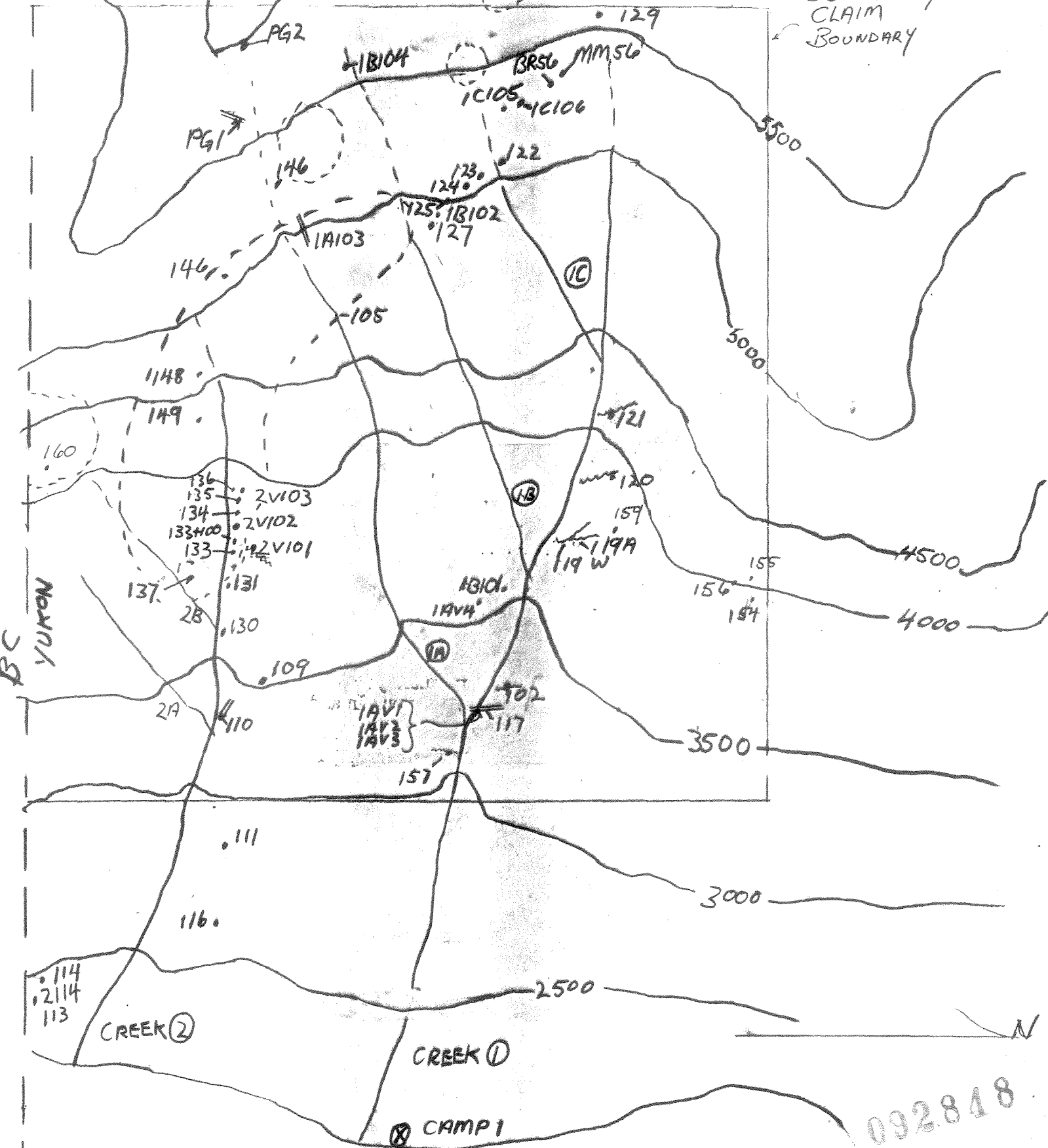
1" = 225M

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# ROCK SAMPLES Map 3

Gossan

SCOUT 1-9  
CLAIM  
BOUNDARY



BC  
YUKON

BENNETT LAKE 1" = 225M

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BC / YUKON BORDER

25

MAP 4

LOCATION SCOUT CLAIMS 1-9

