

84-#758 - 12819
9/85

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,819

REPORT ON THE
GEOLOGY AND GEOCHEMISTRY
OF THE
MOOSE 1 - 4 CLAIMS

Kamloops Mining Division
N.T.S. Map Sheet 82M/13E
Latitude 51 49' N
Longitude 119 38' W

Owner/Operator: Brian A. McClay

By: Sean P. BUTLER
September, 1984

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INTRODUCTION

The Moose Claims are located in the Kamloops Mining Division, 32 Kilometers northeast of the town of Clearwater. The property is located in the Raft River valley. Access is by logging haulage roads 9 and 9S, along the northwest side of the Raft River.

The property was staked to cover the drainage of a stream with a sample containing an anomalous number of scheelite grains. This report is about the program of geological mapping and soil geochemistry undertaken in the fall of 1983, to better define future exploration targets. A total of 71 soil samples were collected in the area felt most likely to contain the source of the scheelite anomaly.

The program target is the location of scheelite bearing skarn zones, similar to nearby deposits on Maxwell Creek.

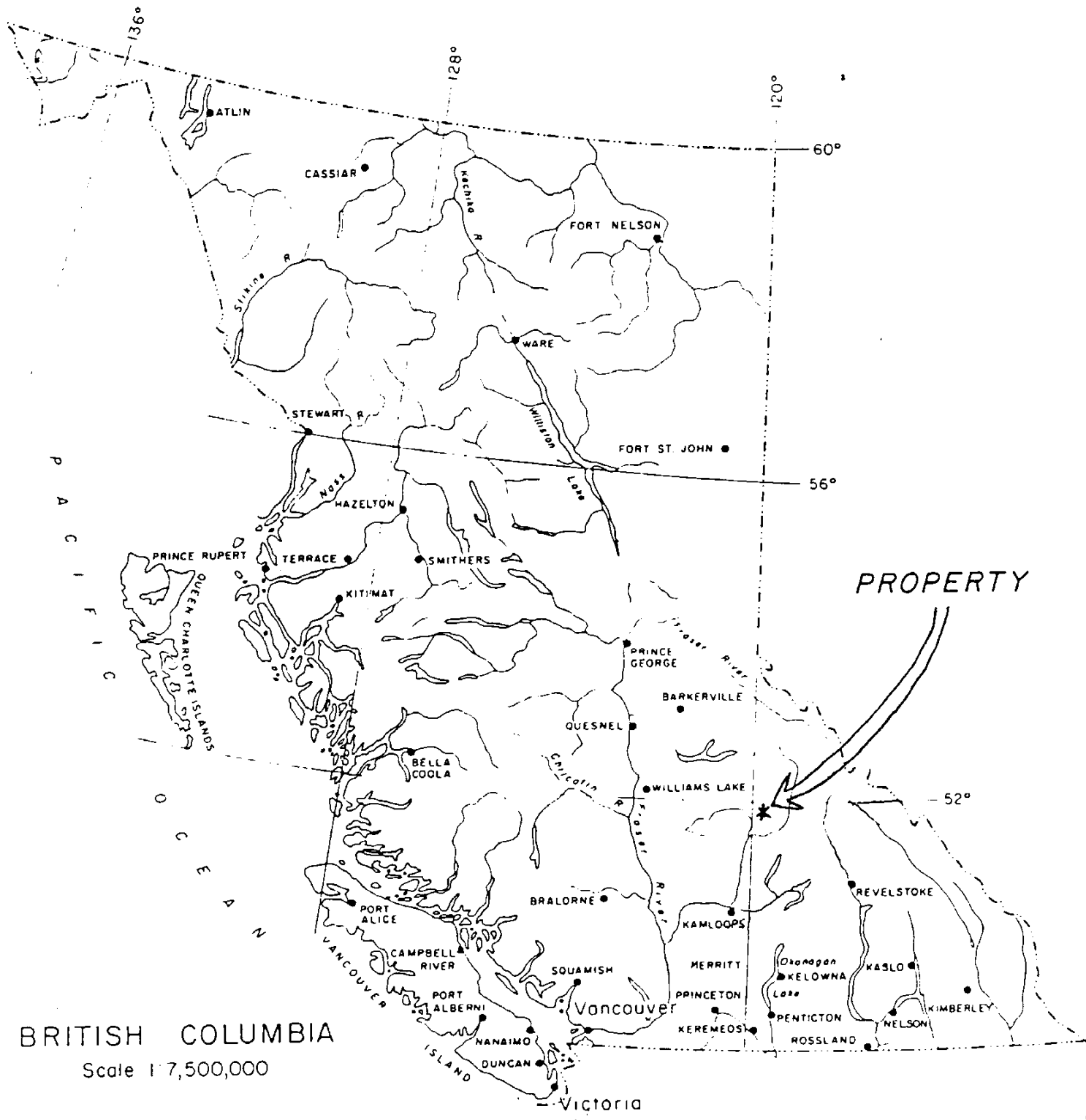
LOCATION, ACCESS AND TOPOGRAPHY

The Moose Claims are a group of four 2-post mining claims, located about 32 kilometers northeast of Clearwater, B.C., in the Raft River valley. The property is reached by travelling from Highway 5, 37 kilometers on Road 9 and 10 kilometers on Road 9S. These are good logging haulage roads on the northwest side of the Raft River. At kilometer 39 on Road 9 is the tungsten mine and mill of Troudor Resources Inc.

The Moose 1 and 2 initial claim post is on the northwest side of the road, a couple of hundred meters past the fork. The initial post for Moose 3 and Moose 4 is indicated on Map 3.

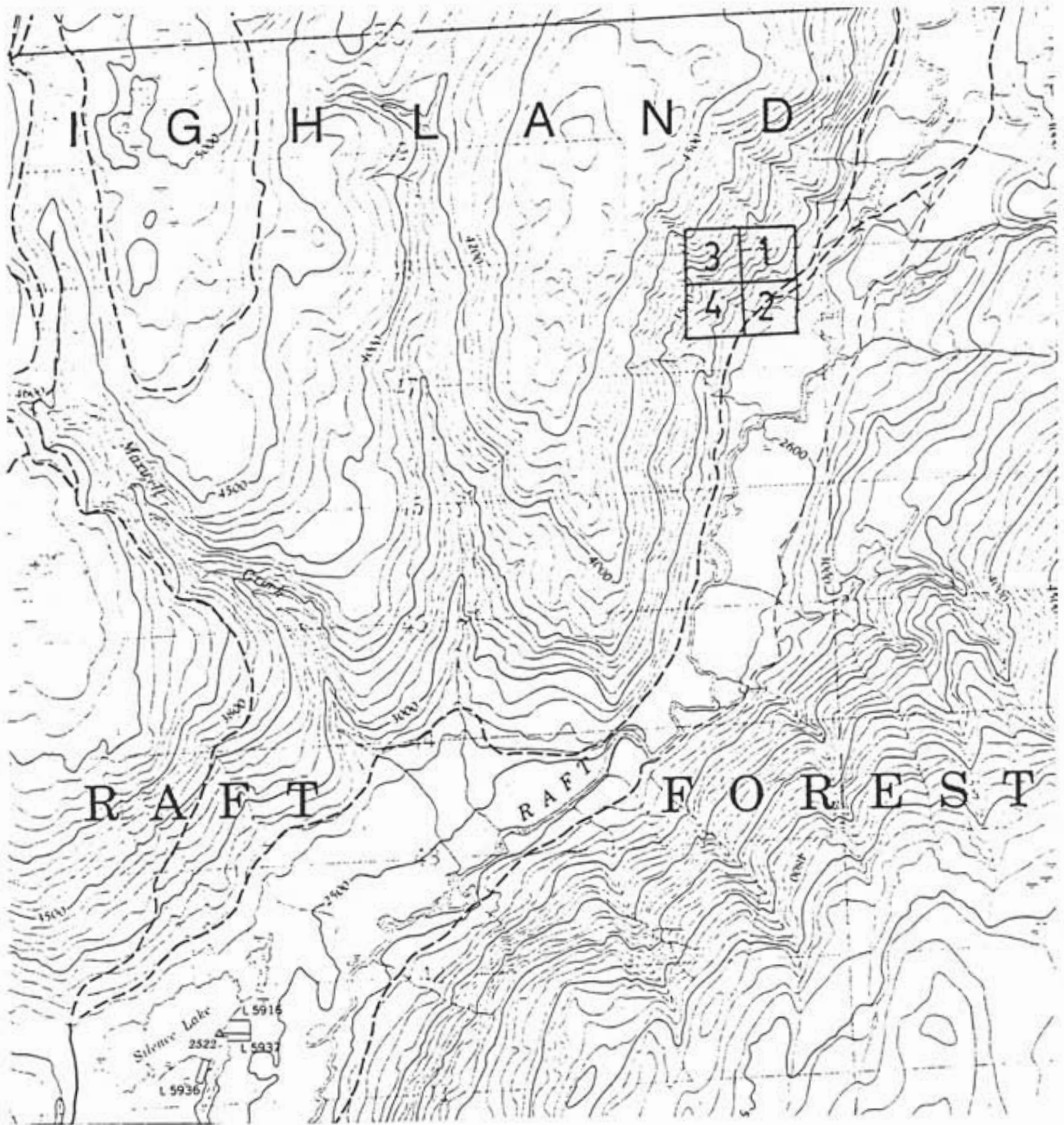
The claim covers some of the valley floor and the south-facing slope of the Raft River valley. The slopes are gentle to moderately steep and covered by Aspen, Lodgepole Pine, and brush. The elevation varies from about 810 meters above sea level near the river, to 1,100 meters on the side of the valley. Outcrop was sparse and usually in narrow, steep sided stream gulleys. The lower part was covered in alluvium and lacked outcrop.

This property was located on the results of a regional stream sediment sampling program done by P. Ronning for Dimac Resource Corp. The claims cover the drainage of a stream that is considered the source area for an anomalous value of scheelite in stream sediments.

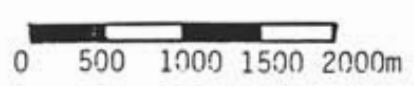


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MOOSE CLAIMS	
LOCATION	
FIG. 1	



MOOSE CLAIMS
CLAIM LOCATION



Part of N.T.S. 82M/13 *Sean P. Butler*
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FIG. 2

PROPERTY

The Moose Claims, a group of 4-two post mining claims, shown on claims map M82M/13E. The claims were staked by Jay Dickinson, recorded on September 12, 1983, and have record numbers:

Moose 1	4738 (9)
Moose 2	4739 (9)
Moose 3	4740 (9)
Moose 4	4741 (9)

HISTORY

The area has been prospected in the past for numerous metals. A large group of adjoining claims held by Rio Tinto and later Cominco had extensive work, including diamond drilling, done on it. Cominco did intersect a few zones of lead-zinc mineralization.

The Moose property was previously held by Andy Horne, and restaked by Jay Dickinson in 1983, after Horne's claims expired. There is no known record of work on the Moose claims.

GEOLOGY

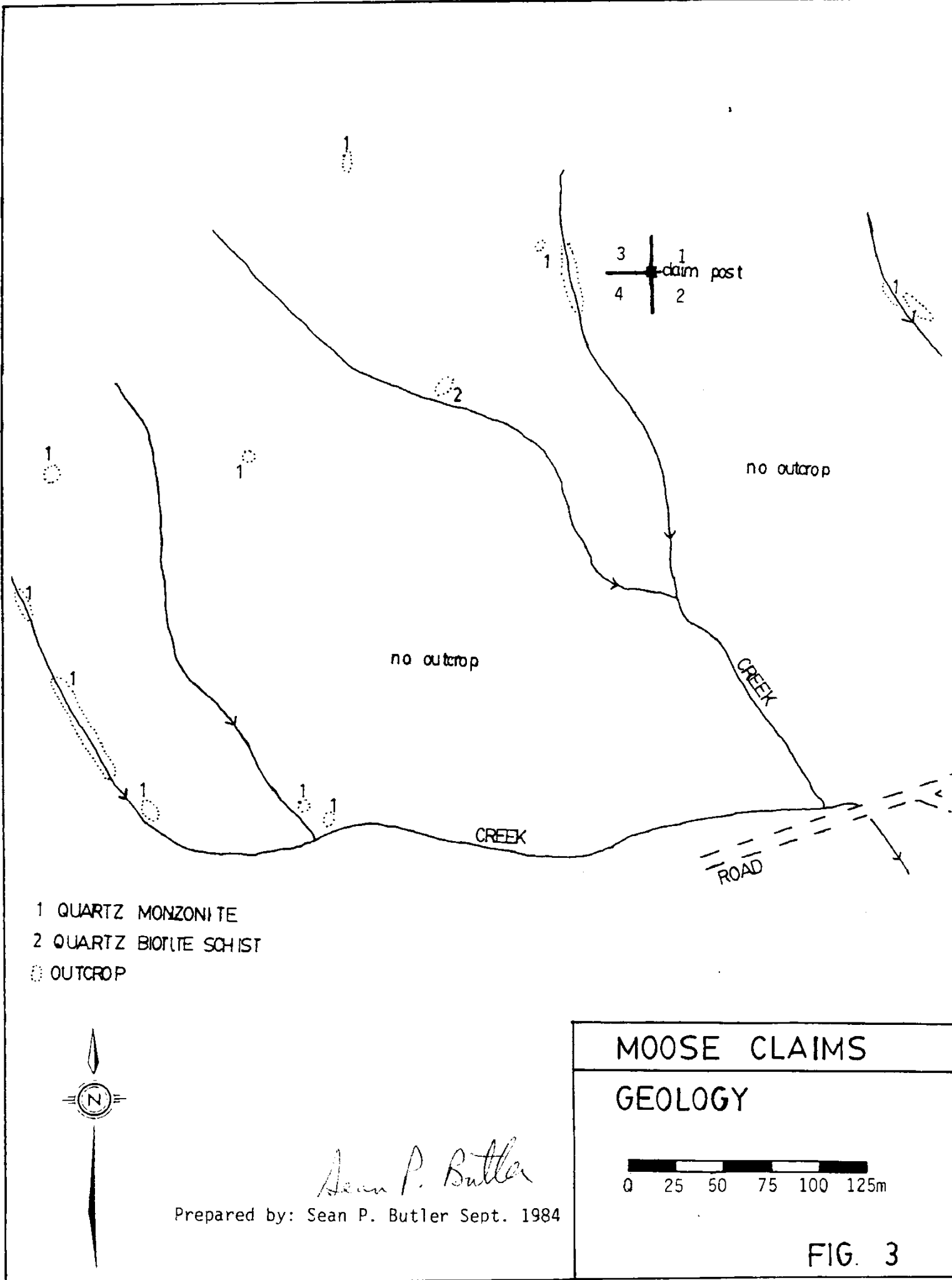
The property is covered in the geological map of the Adams Lake sheet (82MW). This was mapped by R. B. Campbell in 1962 and 1963 at a scale of 1:253,440 (1 inch to 4 miles) and released as G.S.C. Map 1963-48.

The property is underlain by rocks of the Shuswap Metamorphic Complex and assigned unit 1a by Campbell. This is described as:

"...well foliated granitic gneiss; quartz-feldspar-biotite gneiss, quartz-feldspar-hornblende gneiss, amphibolite; minor quartz-mica schist, quartzite, marble and skarn; abundant and locally dominant pegmatite, muscovite granite, and biotite granodiorite;"

The few outcrops noted on the property were a Quartz-Biotite Shist and Quartz Monzonite. Since the property has very little outcrop the underlying rock is largely unknown (map 3).

The geochemical and geological program performed was limited to a portion of the property that was outlined by three stream sediment samples. The sample next to the road contained 35 grains of scheelite (Map 4), when 30 grains or more in the regional sampling program was considered anomalous. The sample collected 150 meters in elevation, further upstream had only four grains. One of the small tributaries feeding this drainage yielded only six grains while the other streams were dry and contained no sediment, when sampling was attempted. The source of the 35 grain sample should be within the drainage



- 1 QUARTZ MONZONITE
- 2 QUARTZ BIOTITE SCHIST
- ⊙ OUTCROP



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MOOSE CLAIMS

GEOLOGY

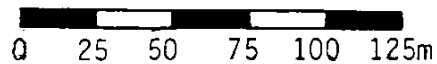


FIG. 3

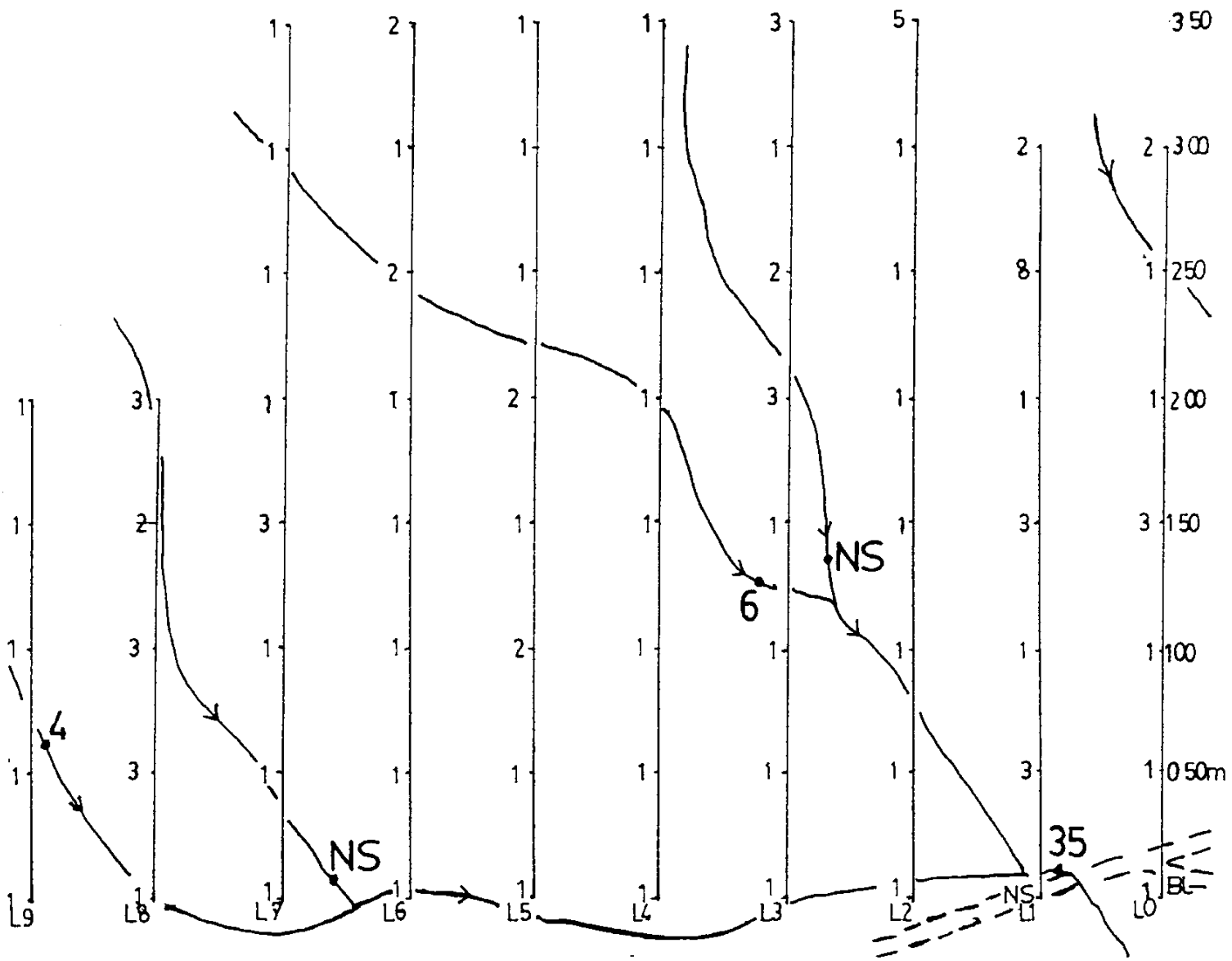
that the detailed work covers. The stream sampling technique involved filling a gold pan with silt and sand from the stream bed and panning this down to a small concentrate (2 - 3 cm³). This was placed in a soil sample envelope, dried, and the scheelite grains counted with the aid of an ultra-violet lamp.

The outcrops of quartz monzonite had narrow quartz veins. One vein noted by P. Ronning had powellite and molybdenite. No scheelite was seen or reported in any of the outcrops within the area looked at, but the stream and soil samples indicate a nearby source.

To the west, just off the grid, but on the property, is a zone of pyritic breccia that is heavily oxidized. Samples were lamped for scheelite, with negative results. The breccia outcrops over at least 50 meters and as the boundaries were not delineated, further work is recommended for possible gold, silver and/or tungsten potential.

SOIL GEOCHEMISTRY

The property target area, the creek drainage, was sampled at 50 meter intervals on a 50 meter spacing grid. The samples were collected from the "B" soil horizon at depths from 5 to 20 centimeters and placed in Kraft paper envelopes. These were sent to Acme Analytical Laboratories Ltd. in



- 1 | Soil sample tungsten ppm
- 4 Grains of scheelite in stream sample
- NS No sample site available

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MOOSE CLAIMS	
SOIL GEOCHEMISTRY	
FIG. 4	

Vancouver.

The samples were dried, sieved at -20 mesh and pulverized. A 1.00 gram sample was fused in a KCl , KNO_3 and Na_2CO_3 flux and the fusion was leached with 20 milliliters of water. The W was determined using inductively coupled argon plasm (I.C.P.).

RECOMMENDATIONS

The lack of surface outcrop on the property makes bulldozer trenching necessary. The movement of scheelite is mechanical and makes for low mobility of tungsten geochemical values in streams and soils. Therefore, the source of the stream and soil values is considered local. The sample with 8 ppm tungsten on line 1 should be investigated. Also, a trench at the base of the hill near the groupings of above background values especially near line 8, is recommended.

The pyritic breccia, west of the grid, should also be followed up on including some trenching.

BIBLIOGRAPHY

Geological Survey of Canada, Map 48 1963, Adams Lake, B.C.,
82 M W, by R. B. Campbell, 1963.

Ronning, P. A., Summary Report on Regional Prospecting
Raft River - Mad River Area, for Dimac Resource Corp.,
September, 1981.

CERTIFICATE:

I, SEAN P. BUTLER, of 304 - 5775 Toronto Road, Vancouver,
in the Province of British Columbia, do hereby certify that:

1. I am a graduate geologist of the University of British Columbia, and hold a Bachelor of Science Degree in Geological Sciences.
2. I have practised my profession continually since graduation.
3. This report was compiled from available data and a property visit in September, 1983.
4. I have no interest, direct or indirect, in the Moose Claims.

Dated at Vancouver, B.C., this 13th day of September, 1984.



Sean P. Butler, Geologist

APPENDIX 1

ASSAY CERTIFICATE

ACME ANALYTICAL LABORATORIES LTD.
352 E. HASTINGS, VANCOUVER B.C.
PH: 253-3158 TELEX: 04-53124

DATE RECEIVED DEC 7 1983

DATE REPORTS MAILED

Dec. 12/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -20 MESH, PULVERIZED.
W - 1.00 GM, KCl, KNO₃, Na₂CO₃ FUSION, WATER LEACH, ICP ANALYSIS.

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

TROUDOR RESOURCES

FILE # 83-3094

PAGE# 1

SAMPLE	W PFM
OM 0	1
OM 0+50	1
OM 1	1
OM 1+50	3
OM 2	1
OM 2+50	1
OM 3	2
1M 0+50	3
1M 1	1
1M 1+50	3
1M 2	1
1M 2+50	8
1M 3	2
2M 0	1
2M 0+50	1
2M 1	1
2M 1+50	1
2M 2	1
2M 2+50	1
2M 3	1
2M 3+50	5
3M 0	1
3M 0+50	1
3M 1	1
3M 1+50	1
3M 2	3
3M 2+50	2
3M 3	1
3M 3+50	3
4M 0	1
4M 0+50	1
4M 1	1
4M 1+50	1
4M 2	1
4M 2+50	1
4M 3	1

SAMPLE	W PPM
4M 3+50	1
5M 0	1
5M 0+50	1
5M 1	2
5M 1+50	1
5M 2	1
5M 2+50	2
5M 3	1
5M 3+50	1
6M 0	1
6M 0+50	1
6M 1	1
6M 1+50	1
6M 2	1
6M 2+50	2
6M 3	1
6M 3+50	1
7M 0	2
7M 0+50	1
7M 1	1
7M 1+50	3
7M 2	1
7M 2+50	1
7M 3	1
7M 3+50	1
8M 0	1
8M 0+50	3
8M 1	3
8M 1+50	2
8M 2	3
9M 0	1
9M 0+50	1
9M 1	1
9M 1+50	1
9M 2	1

APPENDIX 2

EXPENDITURES

Sean BUTLER - Geologist

3 days @ \$150.00/day \$450.00

John BEATON - Assistant

3 days @ \$100.00/day 300.00

Assays 71 @ \$3.60 each 256.00

Room and Board 6 days @ \$30.00/day 180.00

Truck Rental, Equipment and Materials 200.00

Report Preparation 100.00

TOTAL

\$1,486.00