

5235

82N/2W

G E O L O G I C A L M A P P I N G

OF THE HUNT 4A,
5A, AND 6A CLAIMS

RECORD NOS. 14744
14745, AND 14746

Located $7\frac{1}{2}$ miles
South of Golden.
Approx. Lat. $51^{\circ}12.6'$
Long. $116^{\circ}51.8'$

5235

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5235 MAP

By C. Warren Hunt, P. Geol.
Claimholder, during the
period, May 1 - Sept. 30,
1974, Report date Oct. 15, 1974.

By: C. Warren Hunt
C. Warren Hunt, P. Geol.

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INTRODUCTION

The Hunt 4A, 5A, and 6A claims contain high-quality silica suitable for many industrial silica products. Geologic mapping is an essential early step in quantifying reserves and their topology on such a property. Mr. Donald See carried out sampling of some more accessible areas and Mr. C. Warren Hunt did the mapping presented herewith.

The area has large bedrock exposures through which the homoclinal sequence of Ordovician strata pass in regular sequence, interrupted only by a northeasterly-trending transverse fault, which has an effect of repeating the uppermost stratum of the high quality silica on the claim area.

The location is less than two miles from Highway 93 and only several hundred feet above it. The B.C. Hydro power line passes within one thousand feet. The Canadian Pacific railway adjoins the highway.

The claims have partly been logged over and presently are covered by scattered timber, which only in places could be called heavy timber.

PROCEDURES

A good topographic map on a scale of 200 feet to the inch was made by Geophoto Ltd. Geologic structure and sampling points were then added to the map on the basis of the mapped topography and of the surveyed claim corners whose relationship to the legal survey and topography were established by Geophoto.

INTERPRETATION

It is interpreted that 12,415,000 tons of High Quality (+98%) Quartzite rock is available for extraction from open pits having slopes not exceeding 50° average and free completely of any rock overburden. Substantially greater tonnage can be developed if overburden can be tolerated. Additional silica can be developed on the bed extensions to the east, north, and northwest.

October 15, 1974


C. WARREN HUNT, P. GEOL., ALTA.

Addendum to Report
Dated Oct. 15, 1974

Vegetation and Overburden

The entire area of the Hunt 4A, 5A, and 6A claims is forested but for sporadic outcrops, which locally consist of cliffs up to two hundred feet in height. Overburden consists of soil and vegetal matter thickening from zero at the outcrops to tens of feet in the forested slope areas and in all probability to more than that at the western edges of the claims. The forest is coniferous with trees up to several feet in diameter on the lower slopes and up to about one foot on the more rocky eastern borders.

Sampling Methods

Sampling was done by taking multiple chip samples spaced 2 - 3 feet apart over approximately 100 feet of length on north-south traverses centering on the locations shown on the accompanying geological map. It would have been desirable to take continuous channel samples; but this was not possible under the circumstances.

Description of the Quartzite

The Mt. Wilson (Wonah) Quartzite, which is the orebody present on the subject claims is a snow-white massive sub-quartzitic sandstone. On crushing this rock is reduced to its original sand constituents in very large part. These on screen analysis have a very sharp peak in the 50-mesh size range and, hence, comprise a normal distribution for a medium-grained sandstone of well-sorted nature.

The existence of two major beds of sandstone is not reported in the literature in this area previously. It is evident, however, that this is the case because of the nature of overlying and underlying strata. That is to say, there is limestone above the upper bed and dirty grey-brown quartzite between it and the lower bed, this latter, therefore, overlying the lower bed.

There is no distinguishing feature about the quartzite at any location that would allow its discrimination from the other bed. Both are, in fact, so massive that taking a strike and dip on them is nearly impossible. The upper bed, where it progresses easterly at both the southeast and northeast corners of the three-claim block crosses the bounding line toward the east. After leaving the claims the upper bed is soon terminated by the transverse fault previously described. The fault offsets it back onto the claims, whence at the southeast corner of Hunt 4A it again may be traced off the claim to the east and rapidly rises with the stratigraphic sequence high into the Beaverfoot Mountain Range.

As the Mt. Wilson Quartzite plunges northwestward under the valley fill, the subject claim area is the best location available for quarry purposes.



BONDAR-CLEGG & COMPANY LTD.

geochemists • analysts • analytical chemists

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PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ANALYSES

TO Neranda Exploration Company
1050 Davie Street
Vancouver, B. C. V6E 1N4

Report No: JT24 - 84

May 31, 1974

Semi-quantitative Analysis

MARKED	SiO ₂	Fe	CaO								
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
M 1816	92	1.0	1.6								
1817	94	1.2	1.3								
1818	93	0.9	1.8								
1819	94	1.2	1.2								
1820	93	1.0	1.5								
1821	94	1.1	1.0								
1822	93	2.6	1.5								
1823	91	1.3	1.9								
1824	99	1.0	0.1								
1825	98	1.5	0.2								
M 6415	97	1.9	0.1								
6416	99	1.0	0.1								
6417	98	1.8	0.2								
6418	94	1.2	0.4								

ANALYST, WESTERN DIVISION

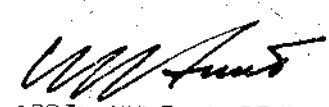
DECLARATION OF
 QUALIFICATIONS OF C. WARREN HUNT, P. GEOL.
 AND OF
 EXPENDITURES INCURRED AND DATES OF WORK ON THE HUNT 4A, 5A & 6A
 CLAIMS

I declare that:

1. I am a graduate of the California Institute of Technology, having received the degree of Bachelor of Science in 1945.
2. I have practiced the profession of geology continuously since my graduation.
3. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and the Canadian Institute of Mining and Metallurgy.
4. I am familiar with the general and detailed terranes of the Hunt 4A, 5A, and 6A claims, having worked on them since 1959.
5. I did personally carry out or instigate and maintain contact with all field work reported herein and did prepare this report and all the maps presented herein.
6. I believe the following tabulation of expenditures to be true and a fair distribution of actual expenditures:

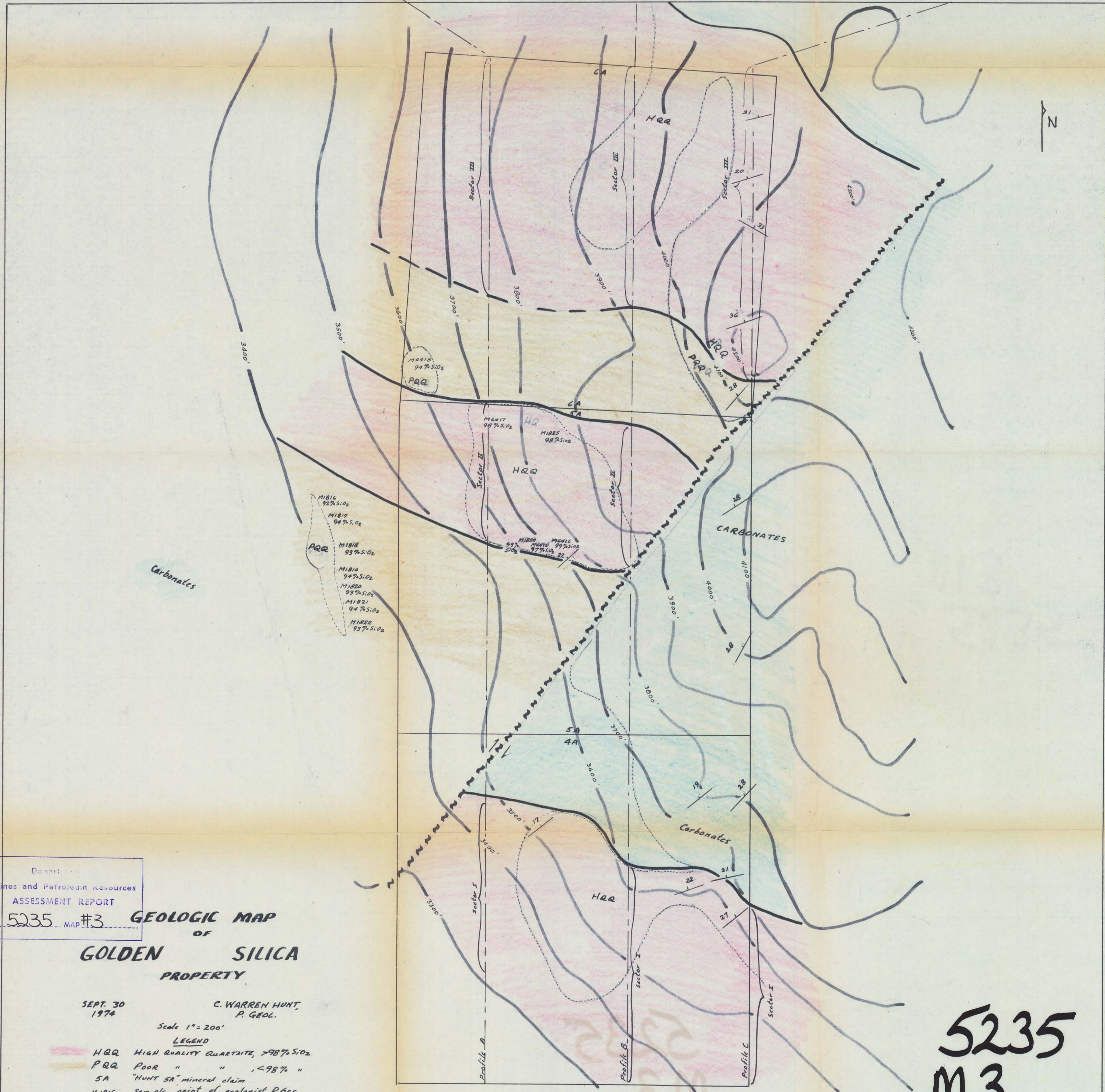
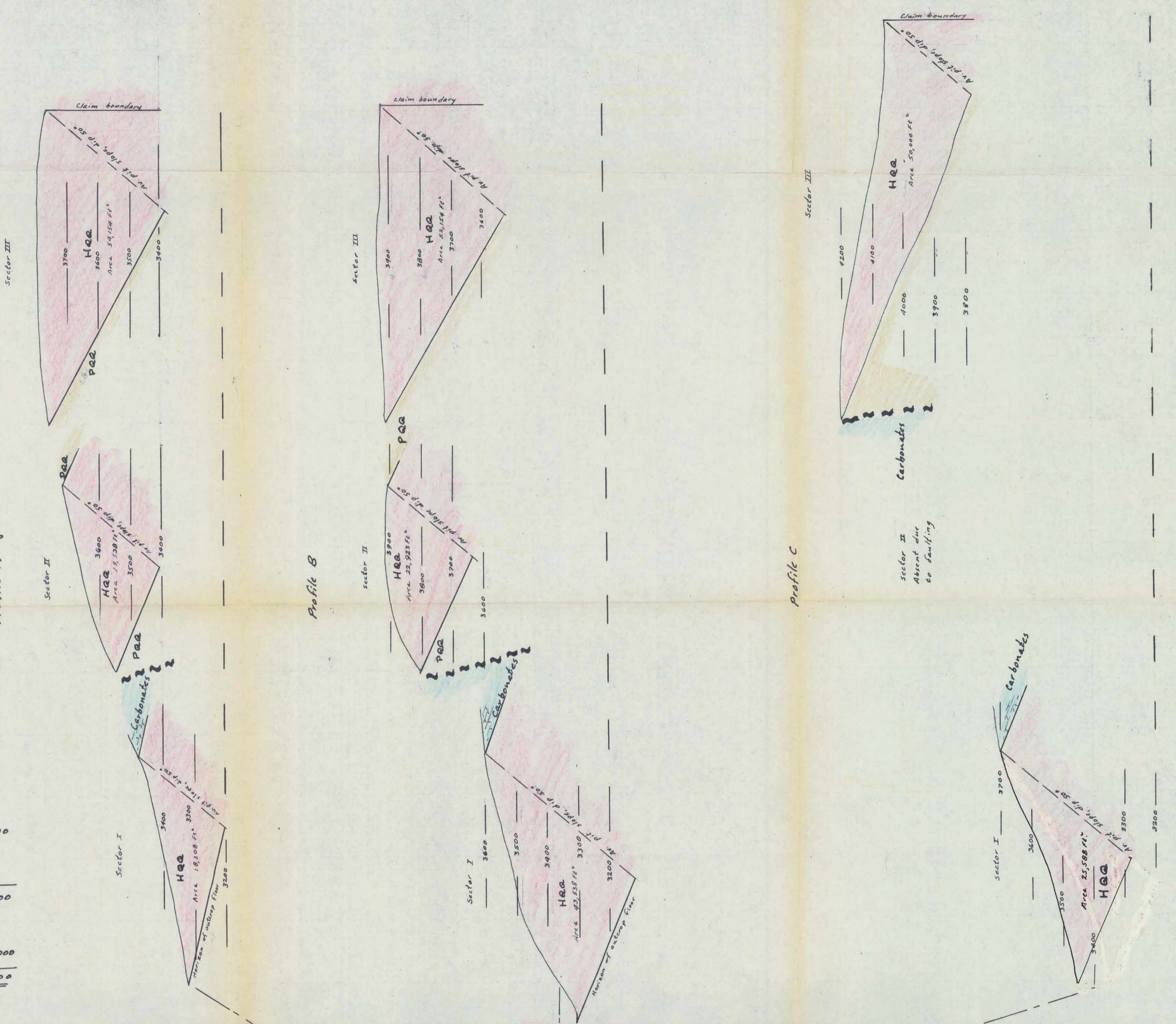
a. Field party of C. Warren Hunt	
Two days @ \$250/day	\$ 500.00
b. Field party of Donald Gee	
Two days @ \$250/day	500.00
c. Map and report preparation	
Two days @ \$200/day	500.00
d. Topographic map preparation	350.00
e. Field expenses:	
Assistant, S. Hunt	50.00
Mileage, 1500 @ 20¢	300.00
Accommodation, 4 days	60.00
Meals, 4 man-days	60.00
Assays, 14 @ 40¢	56.00
Map reproductions and materials	12.00
TOTAL	\$2,416.00
	=====

October 18, 1974


 C. WARREN HUNT, P. GEOL.

APPROXIMATE
OPEN PIT, NO
OVERBURDEN
RESERVES

SECTOR	AVERAGE X-SECTION Ft ²	LENGTH FEET	DENSITY #/ft ³	TONS
III	52,103	1500	180	= 7,034,000
II	21,230	1100	180	= 2,102,000
I	27,795	1250	180	= 3,278,000
TOTAL ON 3 CLAIMS				12,415,000
Additions possible, N. + NE, Sector III				8,900,000
EFFECTIVE TOTAL				21,315,000



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5235 MAP #3

**GEOLOGIC MAP
OF
GOLDEN SILICA
PROPERTY**

SEPT. 30 1974 C. WARREN HUNT, P. GEOL.

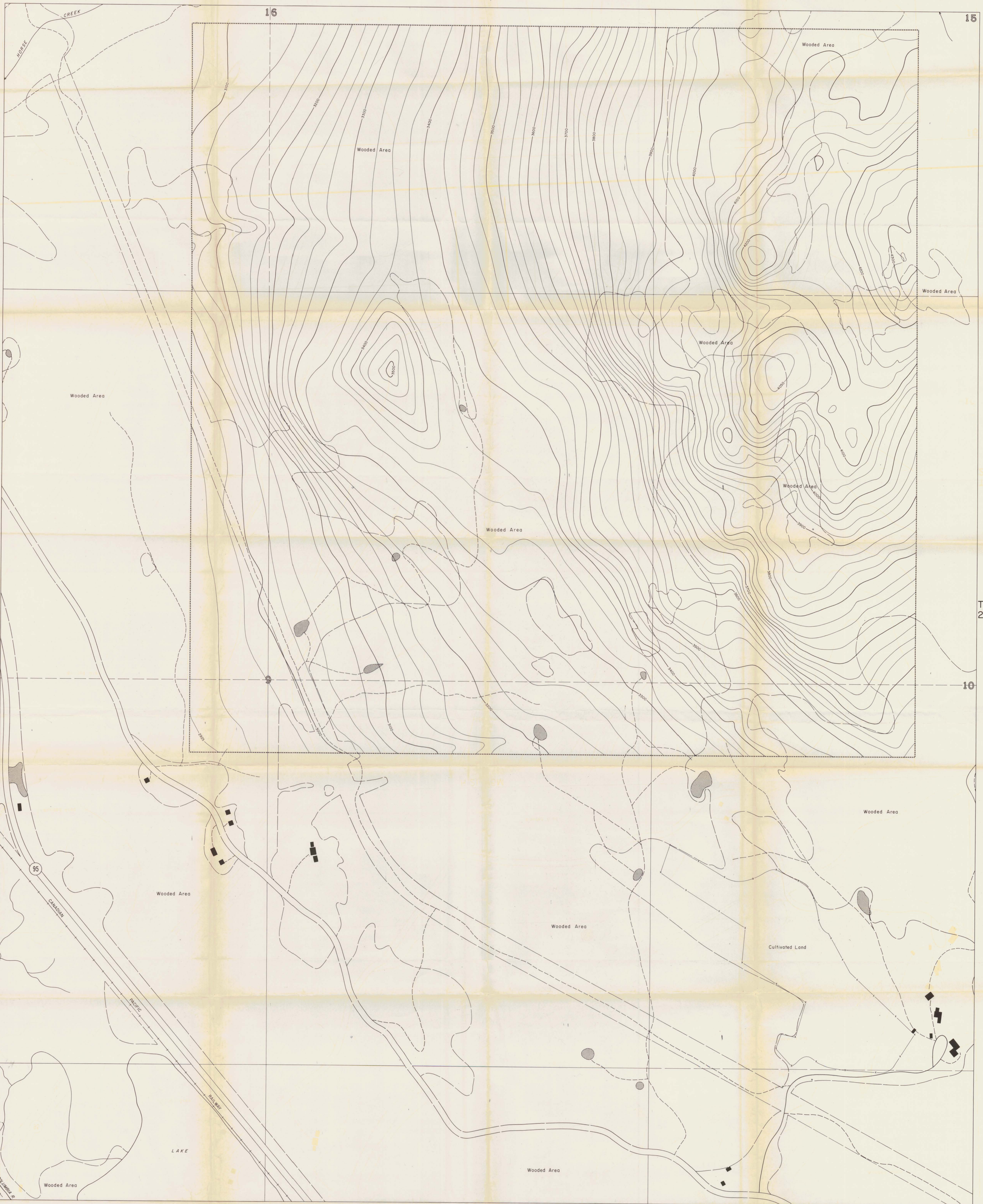
Scale 1" = 200'

- LEGEND**
- HQA HIGH QUALITY QUARTZITE, >98% SiO₂
 - PQA POOR " " <98% "
 - SA "HUNT SA" mineral claim
 - HIB15 sample point of geologist, P. Geol.
 - Approximate edge of outcrop area.
 - Carbonates

**5235
M3**

Signed Oct. 16, 1974

W. Hunt

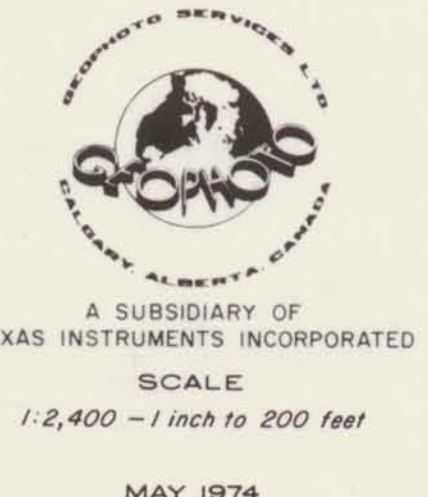


R 21 W5M

- LEGEND**
- Contours (25' interval)
 - Township surveyed, unsurveyed
 - Railway
 - Hard surface, all weather highway
 - Loose surface, all weather road
 - Loose surface, dry weather road
 - Trail
 - River
 - Creek
 - Buildings
 - Worked ground
 - Wooded areas
 - Fence
 - Project boundary

TOPOGRAPHICAL MAP
 OF
LOT 1540 AND VICINITY
 GOLDEN MINING DIVISION
 KOOTENAY LAND DISTRICT
 PREPARED FOR
INQUA RESOURCES LTD.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5235 MAP #2



A SUBSIDIARY OF
 TEXAS INSTRUMENTS INCORPORATED
 SCALE
 1:2,400 - 1 inch to 200 feet
 MAY 1974

5235
M 2

Signed
 Oct 16, 1974
 WMA

PLAN AND FIELD NOTES
OF
LOT 1540
GOLDEN MINING DIVISION
KOOTENAY LAND DISTRICT

SCALE: 1 INCH = 200 FEET

Bearings are astronomic and are derived from the East bdy.
of the N.E. 1/4 Sec. 9, Tp. 26, R. 21, W. 5 M. which is assumed N. 0° 06' 00" W.

I, William Henry Jones, of the City of Calgary, in the Province of Alberta,
a duly authorized Land Surveyor for the Province of British Columbia,
make oath and say as follows: I commenced the survey represented by
this plan on the 15th day of October, 1969, and completed it on the 19th day
of October, 1969. I was present at and did personally superintend the said
survey. This plan is a correct representation of the work done on the ground
by me.

W.H. Jones B.C.L.S.

Sworn before me this 28th day of October, 1969.

John Stone
A Notary Public in and for the Province of Alberta.

BEARING TREES		
	DISTANCE	MAGNETIC BEARING
POST No. 1		
6" FIR	29.7'	N. 82° E.
4" POPLAR	6.2'	S. 33° W.
10" BIRCH	20.1'	N. 28° E.
POST No. 2		
10" POPLAR	17.2'	S. 55° W.
5" FIR	18.1'	N. 81° W.
4" BIRCH	8.4'	S. 68° E.
POST No. 3		
6" SPRUCE	14.0'	S. 82° W.
6" SPRUCE	11.5'	N. 31° E.
8" SPRUCE	15.9'	S. 51° E.
POST No. 4		
10" PINE	9.6'	S. 32° W.
4" PINE	11.5'	N. 68° W.
5" PINE	10.9'	N. 24° E.
POST No. 5		
4" PINE	7.5'	S. 14° W.
6" PINE	8.4'	N. 2° E.
8" PINE	12.4'	S. 42° E.
POST No. 6A		
6" PINE	13.1'	N. 79° W.
12" PINE	32.9'	S. 24° E.
POST No. 6		
6" PINE	15.9'	N. 78° W.
3" PINE	17.2'	N. 19° E.
8" PINE	5.5'	SOUTH
POST No. 7		
4" PINE	6.8'	S. 74° W.
4" PINE	9.1'	N. 31° W.
4" PINE	6.9'	S. 33° E.
POST No. 8		
10" FIR	17.4'	N. 48° W.
8" FIR	18.8'	N. 28° E.
14" FIR	11.9'	S. 84° E.
POST No. 9		
10" FIR	13.5'	S. 82° E.
4" BALSAM	13.6'	N. 18° E.
8" FIR	15.0'	S. 30° W.
POST No. 10		
4" BIRCH	24.4'	S. 48° W.
10" FIR	25.0'	N. 85° W.
6" FIR	8.2'	S. 73° E.
POST No. 11		
4" PINE	14.8'	N. 28° W.
6" PINE	14.8'	N. 62° E.
4" PINE	8.5'	S. 24° E.

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M 1

