

B I G B U L K P R O P E R T Y

BIG BULK M.C.

KINSKUCH LAKE

NTS 103 P/11E^W

Lat. 56° 39' N Long. 129° 16' W

REPORT ON THE GEOLOGY
AND ROCK GEOCHEMISTRY

BY

K. WAYNE LIVINGSTONE, MSc.

July 1980

Operator: PRISM RESOURCES LTD.

Contractor: JMT SERVICES CORP.

8375

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LOCATION AND ACCESS

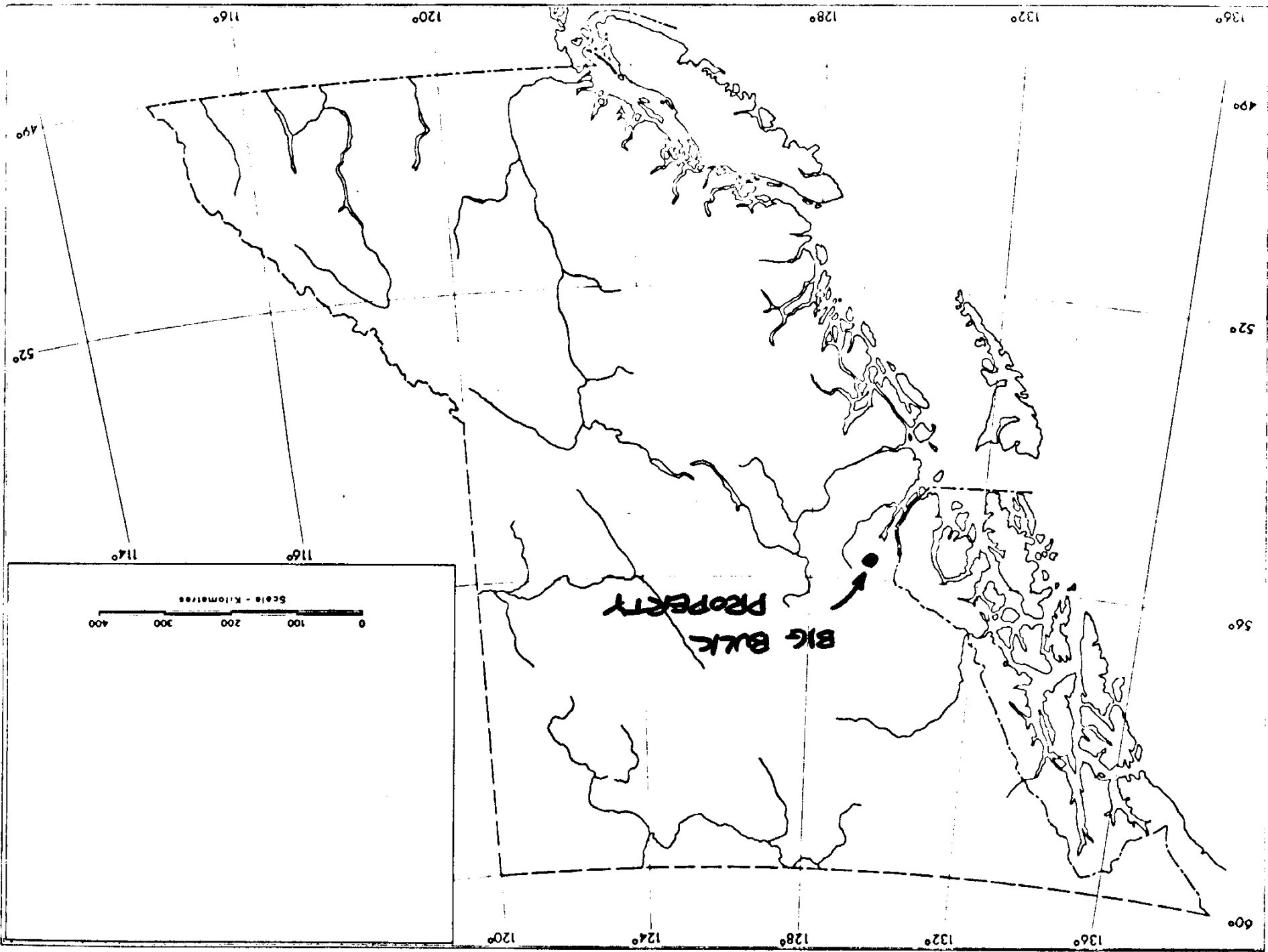
The BIG BULK mineral claim consists of 16 units located about 2200 m east of the South end of Kinskuch Lake and about 500 m North west of Lavender peak, at approximately 129° 16' W Long. and 56° 39' N. Lat., on NTS Map 103 P/11E. The property is situated about 21 km north north east of the community of Alice Arm B.C. and about 33 km South west of Anderson camp on the Highway between Terrace and Meziadin Jct. on the Stewart Cassiar Highway.

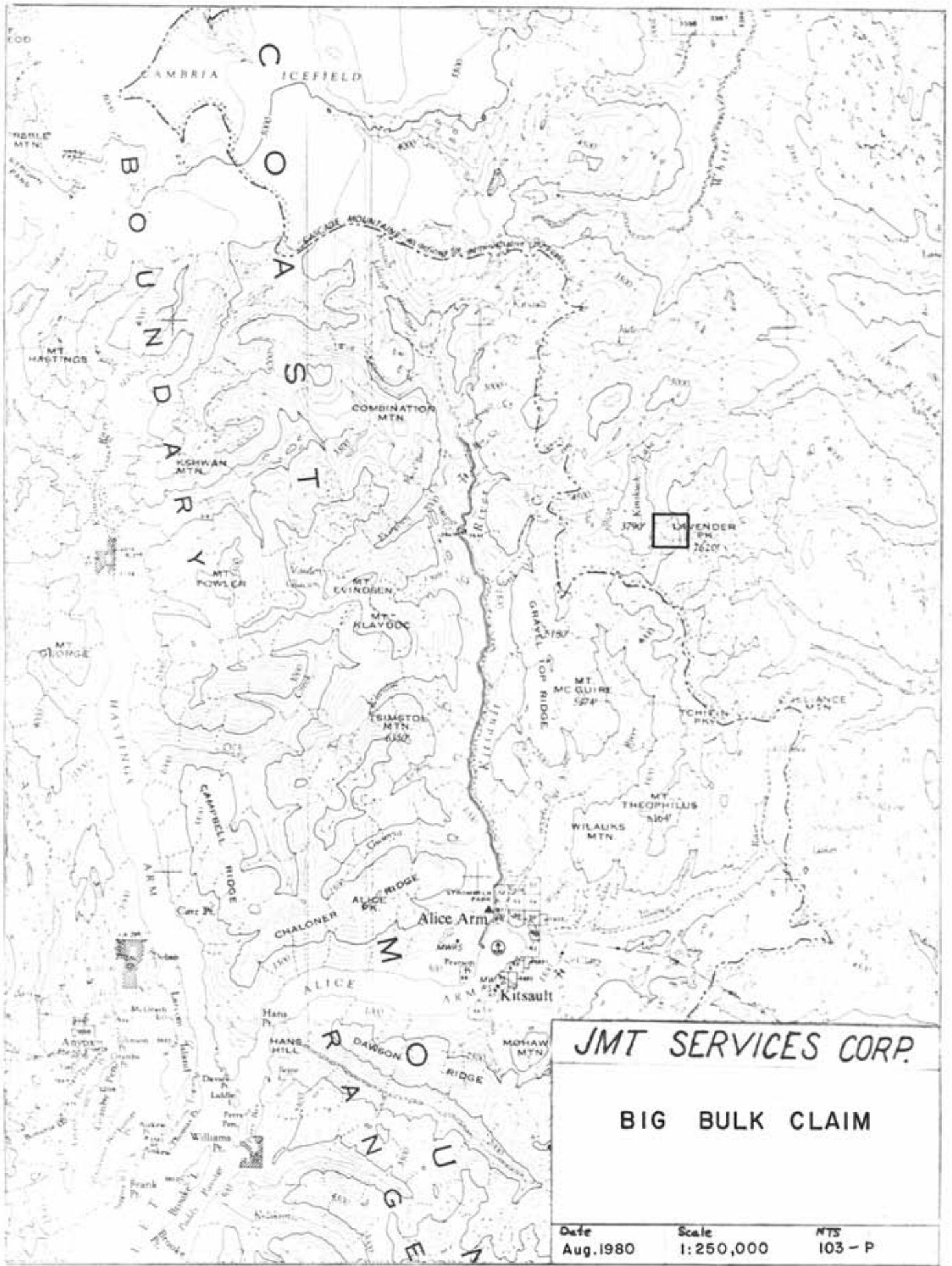
Access to the property is by float plane from Terrace or Stewart or Helicopter from Stewart or Kitsault.

The property is on a westerly facing slope with relief of approx. 900 m and vegetation ranging from sub alpine to alpine types. The elevation of Kinskuch Lake on the lower portion of the property is approximately 1360 m.

CLAIM

BIG BULK Record No. 1284, Skeena M.D.

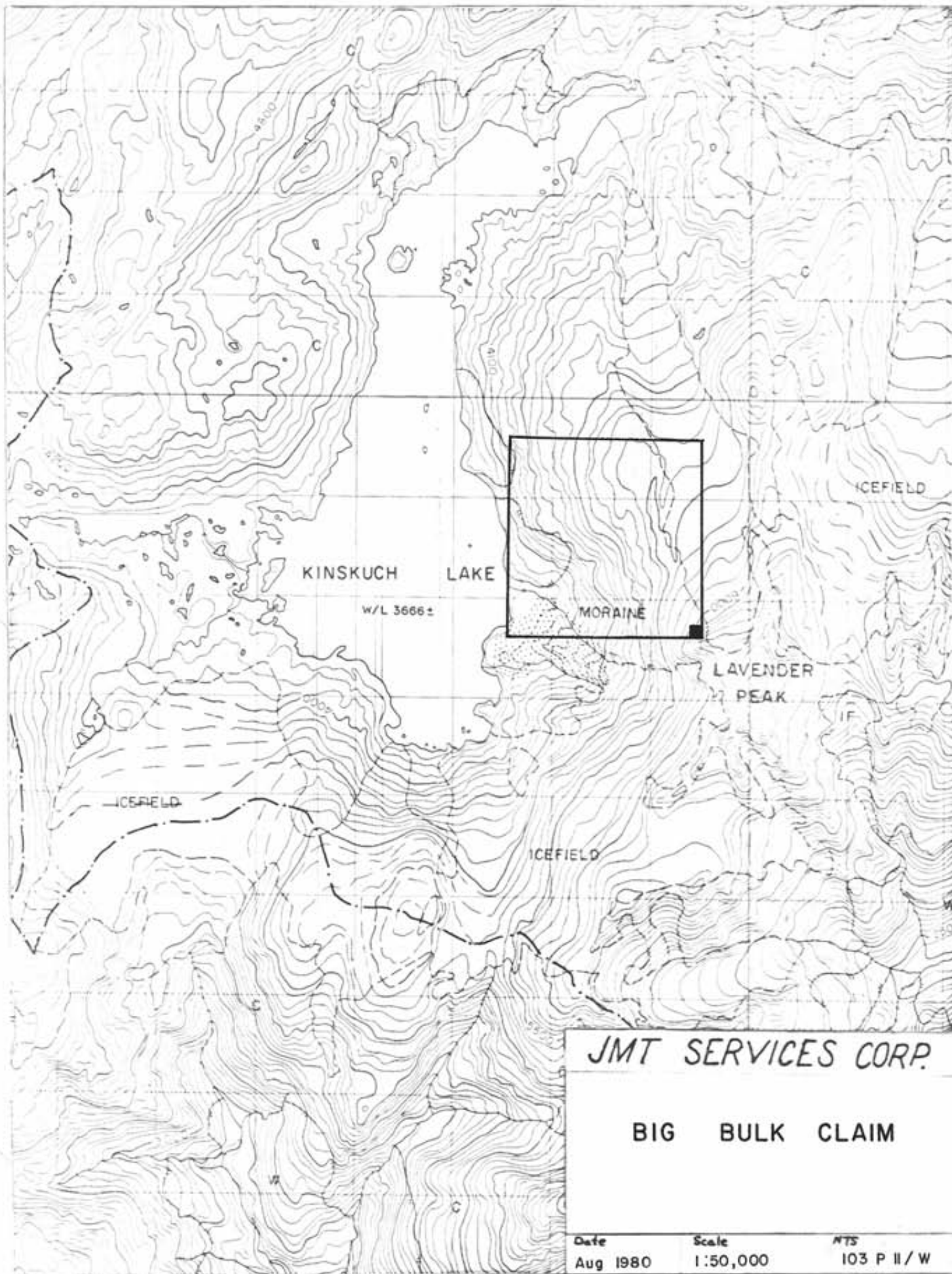




JMT SERVICES CORP.

BIG BULK CLAIM

Date Aug. 1980 Scale 1:250,000 NTS 103 - P



JMT SERVICES CORP.

BIG BULK CLAIM

Date
Aug 1980

Scale
1:50,000

NTS
103 P II/W

HISTORY

In the 1960's Kennco Exploration (Western) Ltd. drilled 14 Ax diamond drill holes testing two zones. A small zone of a few million tons 0.4% Cu was outlined. The porphyry of a larger sulphide zone was tested by four Ax diamond drill holes DDH #7 243' 0.33% Cu DDH #12 260' 0.17% Cu DDH #13 264' 0.15% Cu in the bottom of an angle hole.

In 1970, Kerr Addison completed an IP and magnetometer survey followed by 3 diamond drill holes in the area of the larger sulphide system. However, only one of these holes successfully tested the sulphide system. This was drilled to 753' and contained 288 feet of 0.22% Cu. The other holes did not adequately test bedrock.

Both Kerr and Kennco do not report any precious metals in the assays or logs made available to the author. However in an 1939 report by Britannia Mines on a property examination, significant Au values were reported. Several zones were chip-sampled and averages of two areas within the sulphide system are 0.019 oz/ton Au and 0.051 oz/ton Au. Although the exact locations of these samples is unknown, it does indicate that there is gold in the sulphide system.

GEOLOGY

An outcrop map was completed in the area of the sulphide system. Each outcrop area was chip sampled and geochemically assayed for copper and gold. Mapping was completed using enlargements of BC air photos in the area. The data was transferred to a 1:50,000 scale topographic based enlarged to 1:2500.

*by Vangeochem
Labs.*

The claim area is centered on a large conspicuous gossan on the southeast side of Kinskuch Lake. Bedrock is mainly altered andesitic volcanics and locally microdiorite. The contacts between the two main rock types are vague and no attempt was made to distinguish them at this time. Both are altered pre-mineral rocks.

There are a few feldspar porphyry and lamprophyre dykes within the sulphide system.

ALTERATION

The rocks are pervasively altered to chlorite - carbonate - clay (sericite) assemblages with abundant disseminated pyrite. It is believed that much of the sulphide system is a product of sulphotatic alteration of the volcanics and is mainly pre-chalcopryrite porphyry mineralization.

The dominant sulphotatic alteration is a propylitic facies with pervasive chlorite - carbonate. There are local zones up to several ten's of meters of a quartz - clay (sericite) - pyrite rock. These zones are mainly present in the southern part of the alteration system.

Superposed on the sulphotatic system is a chalcopryrite - quartz vein porphyry mineralizing event. This is located in the northern part of the sulphide system.

In the areas of best chalcopryrite mineralization and quartz veining megascopic sericite is present in the microdiorite. Chlorite, however, is still abundant. Fracture sulphides are also associated with areas of quartz - veining.

GEOCHEMISTRY

Rock chips of most of the outcrops were geochemically assayed for copper and gold. The best copper values are associated with quartz veining and in a general way best gold is associated with best copper. There is some evidence that some gold is present in rocks mineralized with mainly pyrite.

Maps indicating the distribution of copper and gold are included with this report.

CONCLUSIONS AND RECOMMENDATIONS

A copper - gold porphyry system is present on the BIG BULK claim. The most intense alteration observed is the development of sericite in rocks which are mainly propylitically altered. Copper - gold mineralization in these rocks is in the 0.2 - 0.4% Cu and range based on surface chip samples. This mineralization is in andesitic volcanic rocks and minor microdiorite. The exploration target is a buried intrusive which may contain higher grade mineralization associated with phyllic and/or potassic alteration zones.

Three drill holes are recommended to test the area of better copper mineralization. Two of these holes are collared in the outcrop area of better mineralization. A third hole is recommended to test an area of overburden adjacent to the copper zone. These holes should be drilled NQ with mud to a depth of 250 m.

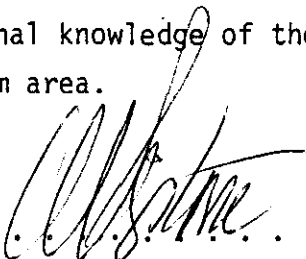
STATEMENT OF COSTS

July 19	Basemaps	\$ 141.81
		5.60
Aug. 12 - 21	K.W. Livingstone	
	geologist 10 days @ 150.00	1500.00
	Assistant - 10 days @ 60.00	600.00
Air transportation		
	Transprovincial airlines invoice	777.20
	Vancouver Is. Helicopters	284.00
Sept. 4	Invoice - camp rental	50.00
Sept. 13	Freight	27.35
Sept. 4	Disbursements	908.91
Assays	Vangeochem. Cab.	1042.50
Report preparation, meetings between		
	D.H. James, Prism Resources Ltd.	
	and K.W. Livingstone JMT Services Corp.	750.00
Drafting, and typing maps and report		150.00
		<hr/>
	TOTAL:	\$6237.37

STATEMENT OF QUALIFICATIONS

I, K. WAYNE LIVINGSTONE of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist, working in British Columbia and residing at 6775 West Blvd. Vancouver, B.C.
2. I am a graduate of CARLETON UNIVERSITY, Ottawa, Ontario with BSc honours geology 1966.
3. I am a graduate of the UNIVERSITY OF BRITISH COLUMBIA with MSc geology 1968.
4. I have practiced my profession as a mining exploration geologist since 1965.
5. I am a Member of the Geological Association of Canada.
6. I am a Member of the CIMM.
7. This report is based on personal knowledge of the geology and mineral potential of the claim area.


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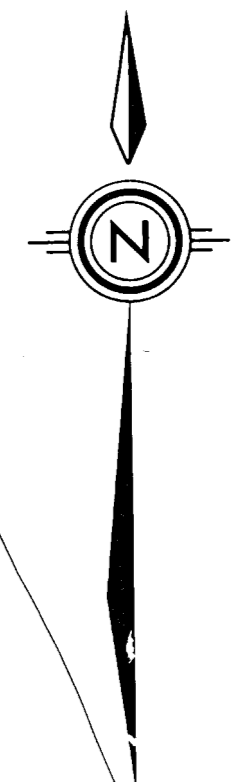
K. WAYNE LIVINGSTONE, MSc.

July 15, 1980

LEGEND

- Limit of pervasive chl-ep-carbonate alteration with 1% pyrite py/cp 100/1
- - - Limit of pervasive sericite (chl-ep present) with quartz veins py/cp 2/1
- Sample number
- A B C Proposed Drill Holes

KINSKUCH LAKE
Elev. 3660 ±



AREA OF ABUNDANT OUTCROP

LIMIT OF PERSVASIVE SERICITE AND QUARTZ VEINS. PY/CP RATIO APPROX. 2/1

PERSVASIVE CHL-EP-CARB. ALTERATION
LIMIT OF 1% PYRITE PY/CP RATIO 100/1

LIMIT OF ICE

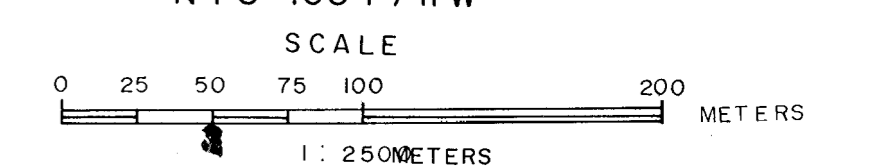
CLIFF EXPOSURES

ABUNDANT CLIF EXPOSURES

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JMT SERVICES CORPORATION
BIG BULK PROPERTY
ALTERATION

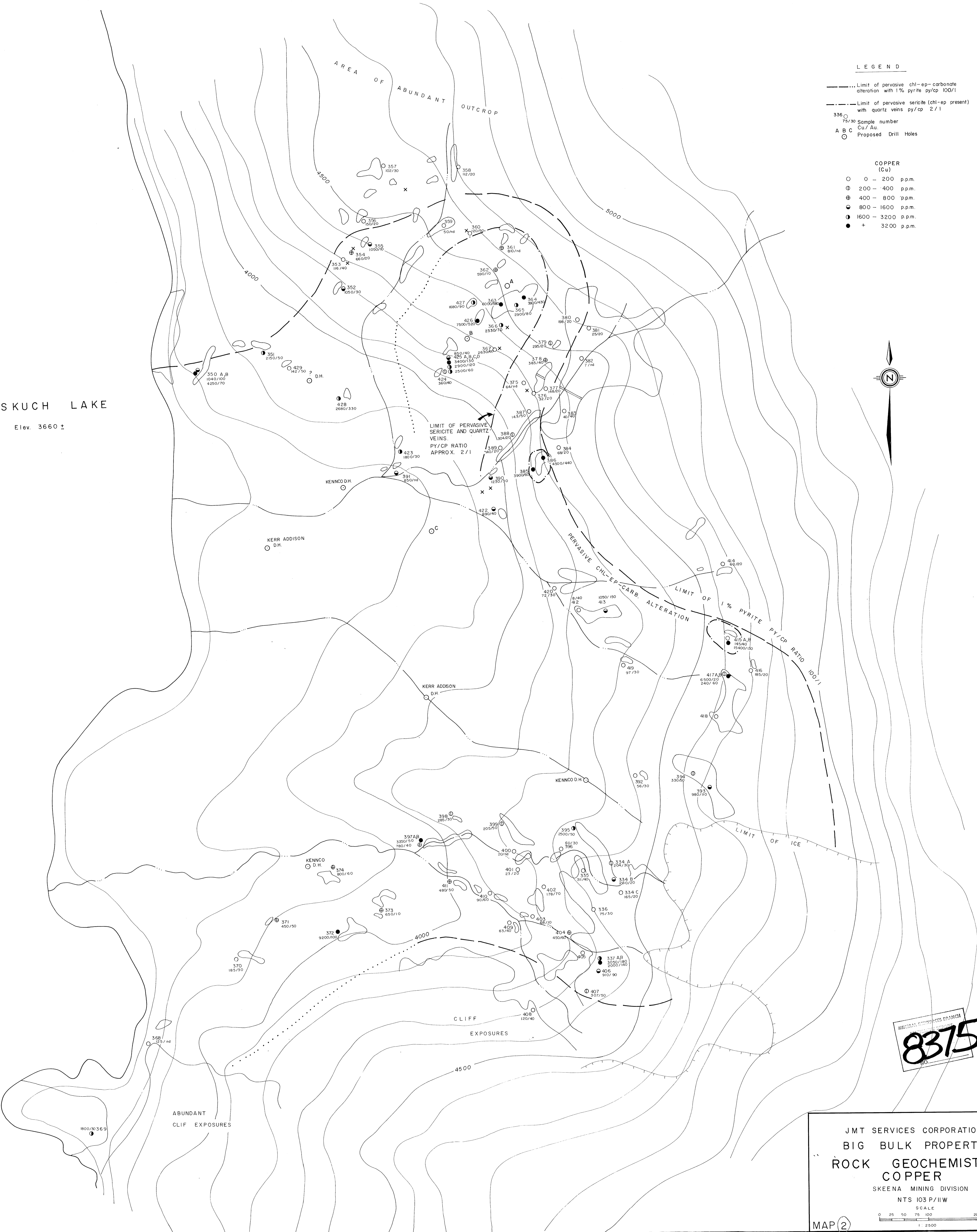
SKEENA MINING DIVISION
NTS 103 P/IIW



MAP 1

KINSKUCH LAKE
Elev. 3660 ±

- LEGEND**
- Limit of pervasive chl-ep-carbonate alteration with 1% pyrite py/cp 100/1
 - Limit of pervasive sericite (chl-ep present) with quartz veins py/cp 2/1
 - 336 ○ 79/30 Sample number
 - A B C Cu/Au
 - Proposed Drill Holes
- COPPER (Cu)**
- 0 - 200 p.p.m.
 - ⊖ 200 - 400 p.p.m.
 - ⊕ 400 - 800 p.p.m.
 - ⊗ 800 - 1600 p.p.m.
 - ⊙ 1600 - 3200 p.p.m.
 - + 3200 p.p.m.



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BIG BULK PROPERTY
ROCK GEOCHEMISTRY
COPPER
SKEENA MINING DIVISION
NTS 103 P/11W
SCALE
0 25 50 75 100 200
1:2500
METERS

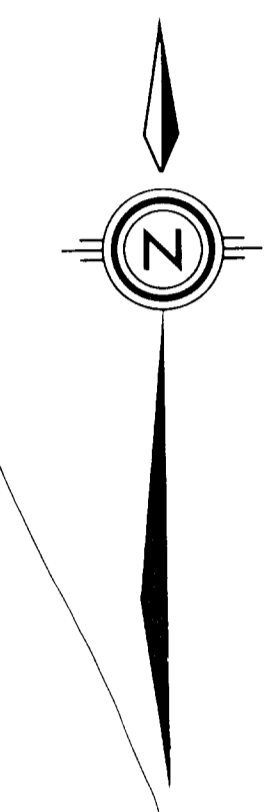
MAP 2

LEGEND

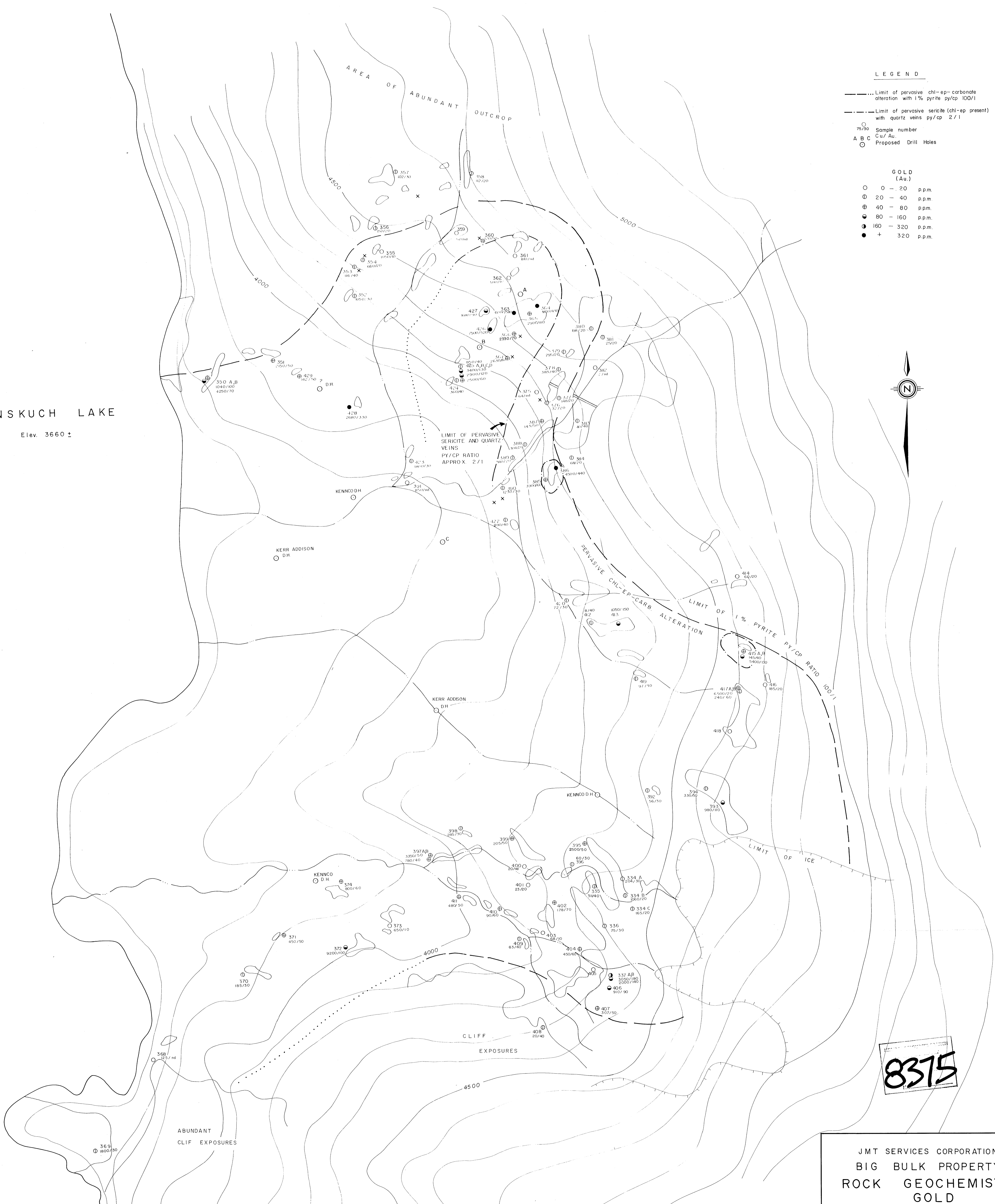
- Limit of pervasive chl-ep-carbonate alteration with 1% pyrite py/cp 100/1
- - - Limit of pervasive sericite (chl-ep present) with quartz veins py/cp 2/1
- Sample number
- A B C Cu/Au
- Proposed Drill Holes

GOLD (Au.)

○	0 - 20	p.p.m.
○	20 - 40	p.p.m.
○	40 - 80	p.p.m.
○	80 - 160	p.p.m.
○	160 - 320	p.p.m.
○	+	320 p.p.m.



KINSKUCH LAKE
Elev. 3660 ±



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JMT SERVICES CORPORATION
BIG BULK PROPERTY
ROCK GEOCHEMISTRY GOLD
SKEENA MINING DIVISION
NTS I03 P/11W
SCALE
0 25 50 75 100 200 METERS
MAP 3