

REPORT ON THE JACK MINERAL CLAIM  
of 16 units  
in  
SKEENA MINING DIVISION  
at  
MacADAM POINT ON RED MOUNTAIN  
16 KILOMETRES EAST OF STEWART, B.C.

OWNED by  
J. HOWARD

OPTIONED TO OPERATOR  
ZENORE RESOURCES INC.  
1700-777 Hornby Street,  
Vancouver, B.C.

Report by:  
Alex Burton, P. Eng.  
Burton Consulting Inc.

December, 1977

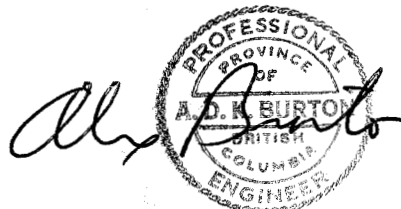
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. <b>6580</b>
MAP NO. _____

Cost Statement for assesment work on  
 Jack Mineral Claims, Skeena Mining Division

July 5-7 3days A Burton	100/150/day	\$	350
July 5-7 3days B.Gilroy	50/day	\$	150
Sept 5-10 6days A Burton	100/150/day	\$	800
Sept 5-10 6days I Holliday	35/45/day	\$	250
Sept.5-10 6days A Woodward	flat payment	\$	400
	Wages and fees		<u>1950</u>
	Total	\$	1950
Food and accomodation		\$	462.71
Ground transportation (Taxis)		\$	48.50
Helicopter		\$	724.50
Analyses (119)		\$	444.60
Report preparation (Maps\$195.11, Fees \$300)		\$	<u>495.11</u>
	Total	\$	2175.42
	Grand Total		<u>\$4125.42</u>

To apply to

REPORT ON JACK MINERAL CLAIM of 16 units.  
 SKEENA MINING DIVISION  
 MacAdam Point on Red Mountain  
 16 Kilometers East of Stewart, B.C.



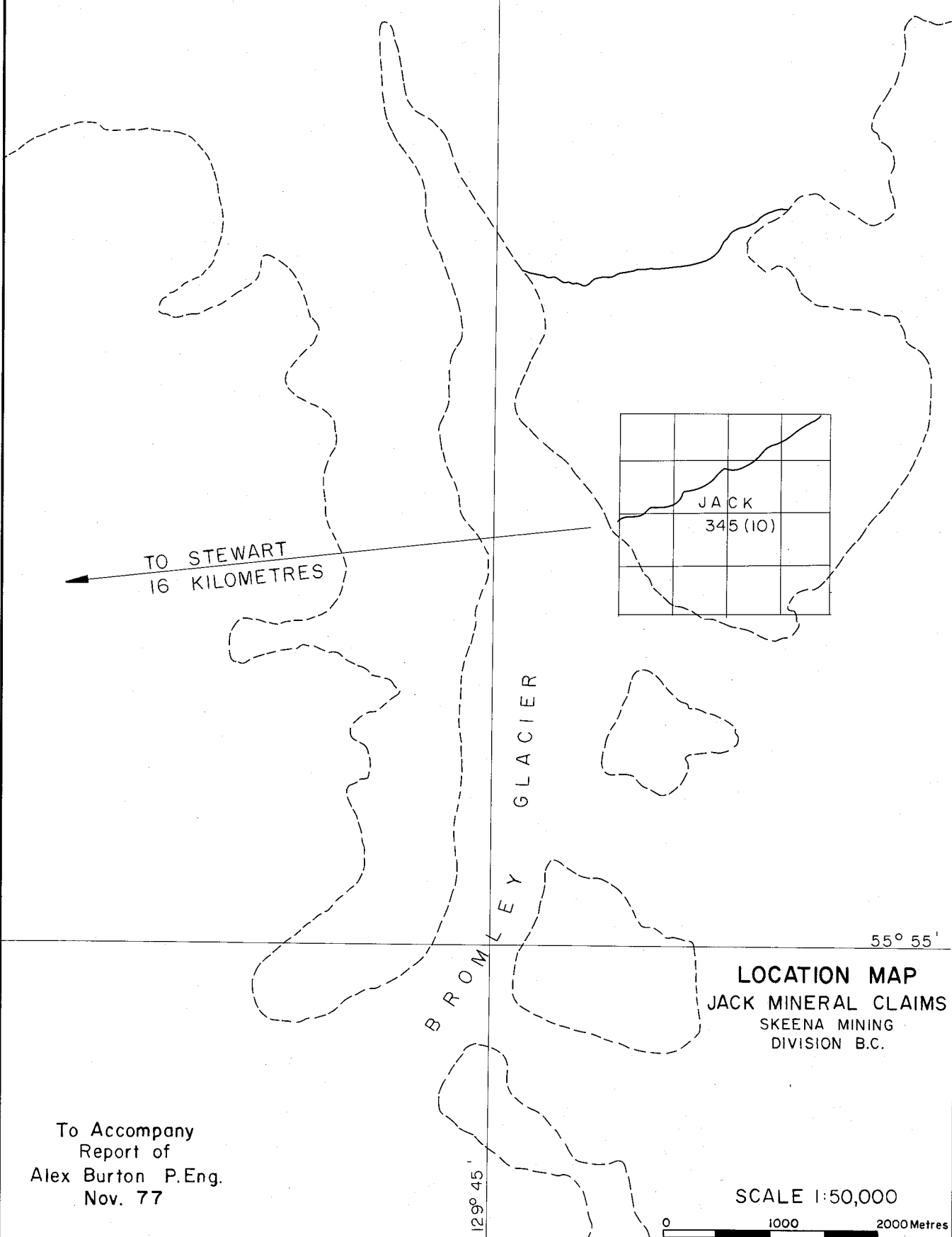
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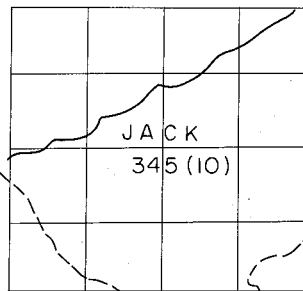
I L L U S T R A T I O N S

LOCATION MAP	1:50,000	FRONTPIECE
JACK MINERAL CLAIM	1: 4,800	POCKET

56° 00'



TO STEWART  
16 KILOMETRES



BROMLEY  
GLACIER

55° 55'

**LOCATION MAP**  
JACK MINERAL CLAIMS  
SKEENA MINING  
DIVISION B.C.

To Accompany  
Report of  
Alex Burton P.Eng.  
Nov. 77

SCALE 1:50,000



129° 45'

REPORT ON THE JACK MINERAL CLAIMS (16 Units)  
at MacAdam POINT on RED MOUNTAIN  
in the SKEENA MINING DIVISION, B.C.

ACCESS

The Jack Mineral Claim is located some 16 kilometres due east of the town of Stewart, B.C. As the prospect is on the edge of the Bromley glacier off the Cambria snowfield the most practical route is from Stewart up the Bear River and then up Bitter Creek which flows out of the Bromley Glacier.

A driveable logging road goes to within 8 kilometres of the prospect and an old overgrown horse trail can be followed from there with difficulty. Most common access is by helicopter from Stewart where Vancouver Island Helicopter has a base.

Several campsites were established, the most important were near the eastern edge of the glacier between MacAdam Point and Gold Slide Creek on a fairly flat side moraine; and on the north side of Gold Slide Creek in the bowl about 600 metres above the glacier.

Normally the camp on the edge of the glacier is used if work is to be done on the granodiorite at MacAdam Point and the upper camp if work is to be done on the hornblende porphyry. From the end of the gentle grade in the valley floor, which would be the termination

of the road, an adit could be driven two or three kilometres to either the hornblende porphyry or the quartz monzonite if production was contemplated.

WORK DONE

Both the granodiorite and the hornblende porphyry were examined in the field with the aid of the several earlier maps, reports and stereographic air photos. Several structurally important areas were examined in detail and a new interpretation advanced for the shape of the granodiorite, the relationship between the hornblende porphyry and the andesite; and for the relationship between the granodiorite and the hornblende porphyry.

The five 1967 drilled but not plotted core holes were located and plotted. The core was examined and five feet out of every twenty-five feet was split, sampled and assayed for MoS<sub>2</sub>.

DATES, CLAIMS, OWNER, OPERATOR

The Jack Mineral Claims of 16 units situated on MacAdam Point on Red Mountain adjacent to the Bromley Glacier are in the Skeena Mining Division. The owner, Mr. Jack Howard has optioned a 100% interest in the claims to Zenore Resources Inc. of 1700-777 Hornby Street,

Vancouver. Zenore Resources Inc. is operator and paid for the work. Work was done from July 5 - 7 and September 5 - 10, 1977 in the field on the property by two men with helicopter support. One man spent a week splitting and sampling the diamond drill core. Two office days were spent compiling results, maps and reports. Total cost of the work done was equal to more than two years assessment credits on all the claims, but only one year was applied.

#### DIAMOND DRILL HOLES

After careful search the collars of the five previously drilled diamond drill holes were located and plotted on the map along with their relationship to the local geology.

Holes 1 - 4 were drilled in the hornblende porphyry. The core boxes were named and numbered, but it was not possible to tell in the field which hole belonged to which collar.

Hole number 5 was in the granodiorite intrusive stock and core could be accurately related to the collar of the hole and the surrounding geology.

It seems likely hole 5 was drilled deeper than 120 feet as one full box of core was discovered at the



drill set up as we flew past in the helicopter on the way out.

ASSAY RESULTS

Five feet out of every twenty-five feet of core measured according to depth in the hole was split, sampled and assayed for MoS<sub>2</sub>. Results are:

Hole N-1	0' - 508'	Averages	0.004%	MoS <sub>2</sub>
N-2	0' - 507'	"	0.003%	"
N-3	0' - 300'	"	0.0033%	"
N-4	0' - 301'	"	0.0034%	"
N-5	0' - 120'	"	0.001%	" <i>McDon</i>

GEOLOGICAL INTERPRETATION

Granodiorite intrusive rocks are known on MacAdam Point and Lost Mountain. The MacAdam Point granodiorite has a halo of aplitic-pegmatic offshoot dykes. Its main body is a well outlined lense shape which trends northerly. The outcrop surface of the granodiorite is interpreted as the exposed, but essentially uneroded top or apex of the body. The southern end has been eroded and truncated by the glacier. The crest of the apex is running north, north easterly and is in line with the granodiorite exposed on the ice edge of Lost Mountain.

To the north the lense looks as though it is headed to the upper bowl of Gold Slide Creek where the hornblende porphyry outcrops.

If the granodiorite extends horizontally under this upper bowl it could be 450 metres below the bowl. It could account for the extensive, although low grade molybdenite mineralization in the hornblende porphyry. In fact if an underlying granodiorite is present it should be roughly two kilometres in diameter if one assumes the area of molybdenite mineralization in the bowl is related to an underlying intrusive.

Although the hornblende porphyry is a coherent mappable unit it does exhibit notable variations in character and grain size within its boundaries. No thin section work has been done, but fine grained andesitic outcrops, and other outcrops resembling volcanic agglomerates and breccias make a volcanic extrusive origin more likely than an intrusive origin. It is thought unlikely the hornblende porphyry and the granodiorite are genetically related.

#### ECONOMIC CONCLUSIONS

The two known areas of granodiorite are mineralized with molybdenite.

Molybdenite mineralization extends from the intrusives into the intruded rocks to form a halo of mineralization around and above the intrusives.

Some high grade sections are known in the intruded rocks with assays of several percent  $\text{MoS}_2$ , but overall grades are low in both the intruded and intrusive rocks.

Grades of  $\text{MoS}_2$  in the hornblende porphyry are low, but widespread and uniform.

The reported gold occurrences were not examined.

#### RECOMMENDATIONS

No further work should be done on the MacAdam Point granodiorite.

There remains a reasonable gamble that another mineralized granodiorite intrusive lies below the hornblende porphyry. Two 500 metre diamond drill holes would adequately test this hypothesis.

C E R T I F I C A T E

I, ALEX BURTON, of the Municipality of Richmond, in the Province of British Columbia, DO HEREBY CERTIFY:

THAT I am a Consulting Geologist with offices at 5900 No. One Road, Richmond, British Columbia.

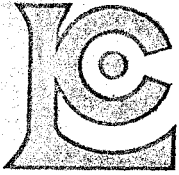
I FURTHER CERTIFY THAT:

1. I am a graduate from the University of British Columbia and hold a B.Sc. degree in Geology.
2. I am a Professional Engineer registered with the Association of Professional Engineers of British Columbia, Certificate No. 6262, and since 1954 I have been engaged in mineral exploration work, both for major mining companies in senior positions and as an independent consultant.
3. The information contained in this report was obtained from a personal examination of the property made by me, and pertinent government and private reports.
4. I have no direct or indirect interest whatsoever in either the property or securities of ZENORE RESOURCES INC., or its affiliates, nor do I expect to receive any such interest.

DATED at Richmond, British Columbia, this 7th day of December, 1977.



Alex Burton, P. Eng.,  
Consulting Geologist



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

CERTIFICATE NO. 33138

TO: Zenore Resources  
 1700 - 777 Hornby St.,  
 Vancouver, B.C.

INVOICE NO. 22342

ATTN: Mr. Jack Howard

c.c. Alec Burton

RECEIVED October 11, 1977

ANALYSED October 18, 1977

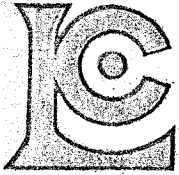
DRILL  
 HOLE  
 NO.

SAMPLE NO. :	FOOTAGE	% MoS <sub>2</sub>	AVERAGE
68951	10-15	0.004	
68952	35-40	0.003	
68953	60-65	0.003	
68954	85-90	0.004	
68955	110-115	0.002	
68956	140-145	0.004	
68957	165-170	0.003	
68958	190-195	0.004	
68959	215-220	0.008	} .0039 SAY .004%
68960	240-245	0.003	
68961	265-270	0.005	
68962	290-295	0.002	
68963	315-320	0.003	
68964	340-345	0.003	
68965	365-370	0.003	
68966	390-395	0.003	
68967	415-420	0.004	
68968	440-445	0.002	
68969	465-470	0.010	
68970	490-495	0.005	
68971	30-35	<0.001	} .003%
68972	55-60	0.002	
68973	80-85	0.002	
68974	105-110	0.001	
68975	130-135	0.001	
68976	155-160	0.003	
68977	180-185	0.001	
68978	205-210	0.003	
68979	230-235	0.009	
68980	255-260	0.004	
68981	280-285	0.003	
68982	305-310	0.001	
68983	330-335	0.005	
68984	355-360	0.005	
68985	380-385	0.001	
68986	405-410	0.003	
68987	430-435	0.003	
68988	455-460	0.003	
68989	480-485	0.010	
68990	502-507	0.002	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



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ANALYSED October 18, 1977

RILL  
OLE  
VD.

SAMPLE NO.:	FOOTAGE	% Nos.	AVERAGE
68991	15-20	0.002	
68992	40-45	0.002	
68993	65-70	0.003	
68994	90-95	0.005	
68995	115-120	0.002	
68996	140-145	<0.001	.0033 %
68997	165-170	0.001	
68998	190-195	0.008	
68999	215-220	0.005	
68900	240-245	0.005	
68901	265-270	0.004	
68902	290-295	0.002	
68903	20-25	0.001	.0034 %
68904	45-50	0.002	
68905	70-75	0.002	
68906	95-100	0.002	
68907	120-125	0.002	
68908	145-150	0.003	
68909	170-175	0.003	
68910	195-200	0.017	
68911	220-225	0.005	
68912	245-250	0.004	
68913	270-275	0.002	
68914	295-300	0.002	
68915	20-25	<0.001	.001 %
68916	45-50	0.001	
68917	70-75	0.001	
68918	95-100	0.001	

3

4

5



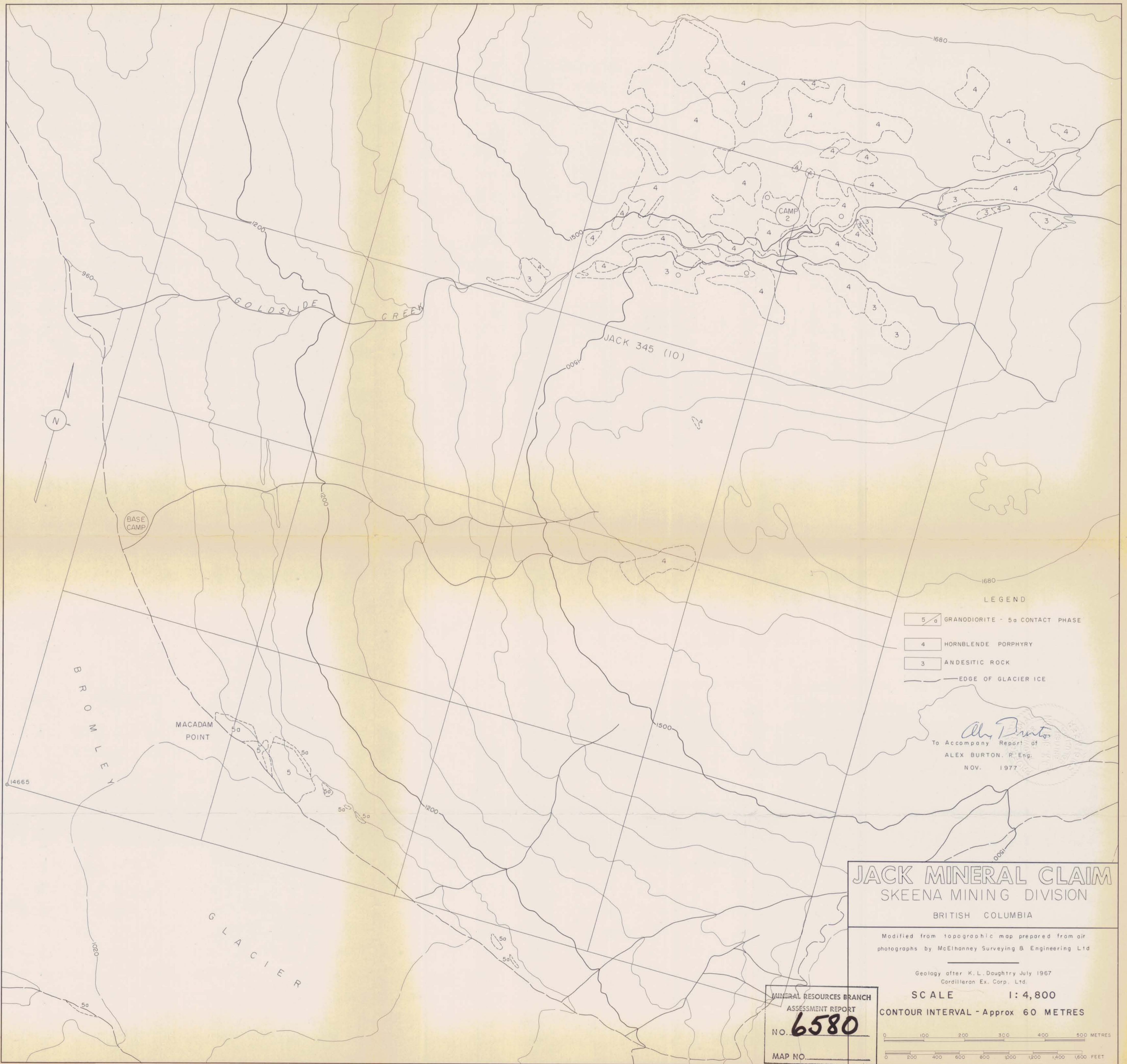
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 CANADIAN TESTING  
 ASSOCIATION

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*[Handwritten Signature]*







LEGEND

- 5a GRANODIORITE - 5a CONTACT PHASE
- 4 HORNBLLENDE PORPHYRY
- 3 ANDESITIC ROCK
- EDGE OF GLACIER ICE

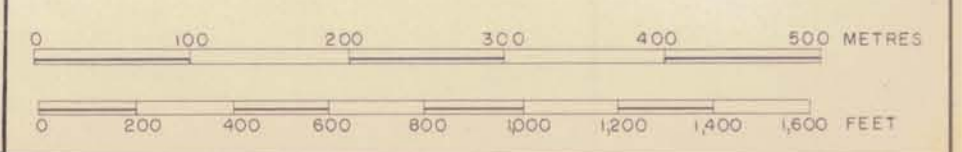
*Alex Burton*  
 To Accompany Report of  
 ALEX BURTON, P. Eng.  
 NOV. 1977

**JACK MINERAL CLAIM**  
 SKEENA MINING DIVISION  
 BRITISH COLUMBIA

Modified from topographic map prepared from air photographs by McElhoney Surveying & Engineering Ltd

Geology after K. L. Daughtry July 1967  
 Cordilleran Ex. Corp. Ltd.

SCALE 1:4,800  
 CONTOUR INTERVAL - Approx 60 METRES



MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
 NO. **6580**  
 MAP NO. \_\_\_\_\_