

2689

REPORT ON
"A AND B" GROUP OF CLAIMS
OMINECA MINING DIVISION
FOR
JAVELIN MINES LIMITED, (N.P.L.)

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9W, 10E

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2689 MAP

REPORT ON
"A AND B" GROUP OF CLAIMS

OMINECA MINING DIVISION
BRITISH COLUMBIA

FOR
JAVELIN MINES LIMITED, (N.P.L.)

SUBMITTED BY: R.G. POTTER, P. ENG.

WORK CONDUCTED BY
AGILIS EXPLORATION SERVICES LTD.
DURING AUGUST OF 1970.

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SUMMARY AND CONCLUSIONS

1. The A and B group consists of 29 contiguous claims located south of Manson Creek, Omineca Mining Division, British Columbia.
2. Molybdenite showings have been known in the area since the turn of the century.
3. Preliminary studies indicated that a programme of trenching in areas delineated by geochemistry would disclose masses of economic mineralization.
4. A geochemical survey was conducted over the property and areas considered anomalous were trenched to bedrock.
5. No 'new' mineralization was disclosed by the trenching.
6. No further expenditures should be made by Javelin Mines Ltd. (N.P.L.) on this property.
7. The option agreement with the owners should be terminated as soon as is practicable.

INTRODUCTION:

The 'A and B' claims, comprising a group of 29, are located south of Manson Creek in north central British Columbia.

A number of mineral occurrences have been known in the area since the turn of the century.

During the month of August 1970 the writer directed a programme of geological mapping, soil sampling and trenching on the property in an effort to evaluate its economic potential. This report deals with the results of this work.

LOCATION AND ACCESS:

The claim group is located about 7 miles due south of the settlement of Manson Creek in the Omineca district of north-central British Columbia. Co-ordinates of the group are 55° 35' north latitude, 124° 30' west longitude. Access is by 14 miles of rough track which follows generally the course of Manson Creek.

PHYSIOGRAPHY:

Topographic relief within the claim block is moderate with a mean elevation of approximately 4,000 feet. Broad swampy flats comprise the central claim area. To the north and south of these open flats the claim group covers the lower slopes of Blackjack and Gillis mountains respectively.

Outcrop within the area is very sparse, generally being limited to exposures along stream valleys and to areas of trenching. Most of the claim block is covered by a late Pleistocene kame and kettle complex of coarse gravels.

LAND:

The property presently consists of 29 mineral claims located in the Omineca Mining Division of British Columbia.

These are:	A 1 - 8	Reg. # 64947 - 64986
	A 9 - 16	Reg. # 65792 - 65799
	B 1 - 13	Tag # 173821M - 173833M

The B claims were staked by the writer as agent for Mr. R.H.D. Philp on August 5th and 6th, 1970.

GENERAL GEOLOGY:

Regional mapping of Manson Creek area has been carried out by the Geological Survey of Canada and is published at a scale of 1 inch to 4 miles (map 876A). This mapping shows the claims to be largely underlain by granitic rocks of the Germansen Batholith (Jurassic or Lower Cretaceous) and to a lesser extent by slates and hornfelsic rocks of the Cache Creek Group (Permo-Pennsylvanian).

EXPLORATION HISTORY:

The property was first staked as the Blackjack group about the turn of the century. Early prospecting consisted of hand trenching in the vicinity of the eastern showing.

In 1965 the present owner, Mr. Wm. Rigler, carried out a programme of stripping and trenching in the area of the eastern showing. This work largely obliterated the old trenching. The rough "cat" trail to the property was put in at this time.

In 1969 Mr. R. Philp conducted a reconnaissance geological/geochemical survey over the northeastern part of the claim area. This work initiated the exploratory programme as recommended by Dr. A. Sinclair, P. Eng. in his report on the property of June 1969. The present report deals with the continuation of this programme and the results thereof.

EXPLORATION PROGRAMME 1970:

During the month of August of the current year the writer directed a programme of geological mapping, soil sampling and trenching within the 'A and B' claim group. This programme followed generally the recommendations of Dr. A. Sinclair, P. Eng. put forth in his report on the 'A' claims of June 1969.

GEOCHEMICAL SURVEY:

Field Procedures:

North-south sample lines were established by chain and compass at 400 foot intervals over the property. These were tied to an eastwest base line and tie lines. This grid was clearly marked by plastic flagging.

Soil samples were taken at 200 foot intervals along the northsouth lines. These were collected with an auger from the soil horizon immediately underlying the surface organic layer. An area in the south-western part of the property was not sampled as it is overlain by a thick kame and kettle complex of fluvioglacial gravels.

Testing Procedures:

Soil samples were packaged in kraft envelopes and sent to Chemex Labs at North Vancouver. Analytical procedures at

Chemex consist of treating the -80 mesh fraction of the samples with perchloric-nitric acid for analysis by atomic absorption. The samples were analyzed for total molybdenum content and values reported in parts per million (ppm).

Survey Results:

Most of the survey area has soil cover completely void in molybdenum. This cannot be taken as representing background as the deep highly permeable fluvioglacial gravels which are ubiquitous throughout the claim block would not reflect mineralization in underlying bedrock. Outside of the "anomalous" area in the northwestern corner of the property previously discussed in the report of R.H.D. Philp two areas of erratic "highs" were disclosed by the survey. These are located in the SW and SE corners of the property.

The scattered high values of the southwest corner is associated with swampy terrain and are not considered worthy of further investigation.

The anomalous area lying to the east of line 800 west and to the south of line 2800 south is one of shallow overburden underlain by argillaceous rocks in which molybdenum carrying quartz veins are known. This area was investigated by trenching.

GEOLOGY:

Most of the claim area is overlain by fluvioglacial sands and gravels with outcrops being limited to stream valleys and abrupt slopes. Additional fresh exposures have been cleared by trenching.

Three areas of Cache Creek Group sediments have been roughly outlined:

1. At the southern edge of the property a sequence of argillites and thin bedded crystalline limestone is exposed erradically along a steep sided stream valley. This sequence strikes generally north-west and dips steeply toward the north. The argillites are dark in color and invariably carry minor quantities of euhedral pyrite. No other sulphide minerals were noted within these rocks.
2. The south-~~west~~^{east} corner of the property is underlain by a series of black schistose argillites and dark grey quartzites striking northwesterly and dipping steeply to the south-west. The argillites are locally rich in pyrite. Two thousand feet of trenching within this area revealed only minor quartz and aplite veining. These veins carry only minor amounts of pyrite.
3. At the northern edge of the property an area of schistose argillites have been roughly outlined by trenching. Again pyrite is a characteristic constituent of these sediments but no other sulphide mineralization was noted. Stringers of aplite are common throughout these rocks. The granitic rocks underlying the area are medium to coarse grained quartz monzonites. These vary in their percentage content of quartz, muscovite and biotite but paucity of outcrop does not permit mapping of these variants. Molybdenum mineralization within these intrusives are confined to quartz veins exposed within the area of the eastern showing. These are described in detail in the report by Dr. A. Sinclair, P. Eng.

TRENCHING:

Following receipt of the results of the geochemical survey a programme of surface trenching utilizing a D-7 "cat" was initiated to investigate areas of potential mineralization. This work was confined to the areas covering the eastern, central and southern showings. Details of the extent and results of the trenching are given in the appendix to this report.

The trenching in the northeastern corner of the claim block exposed pyritic argillaceous rocks and quartz monzonites. In the southeast corner a series of schistose argillites and fine grained quartzites were exposed along 2,000 feet of continuous trenching. Quartz and aplite veining within the argillites is common to both areas. These are characteristically rusty in appearance and may at depth carry minor amounts of molybdenite sufficient to account for the anomalous molybdenum values found in the overlying soils. They are however of small size and sufficiently widely spaced to preclude the possibility of their having any economic importance. Other than the ubiquitous pyrite no disseminated sulphides were noted in any of the trenched areas.

CONCLUSIONS AND RECOMMENDATIONS:

The results of exploratory work conducted to date indicate that molybdenum mineralization within the property is confined to scattered veins of quartz and possibly aplite. None of the mineralized showings even approach economic grade or size. To effectively explore those areas overlain by heavy drift cover would entail expenditures far in excess of funds already spent. The possibilities of success do not warrant any such expenditures.

It is recommended that no further work be done on this ground by Javelin Mines Ltd. and that the option agreement with the owners of the property be terminated as soon as is practicable.

Respectively Submitted



Robert G. Potter, P. Eng.

September 10, 1970

Vancouver, B.C.

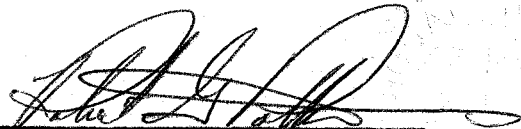
REFERENCES

1. Armstrong, J.E., 1949 Fort St. James map-area Cassiar and coast districts, British Columbia GSC Memoir 252.
2. Carr, J.M., 1965 Manson Creek, British Columbia, Department of Mines and Petroleum Resources An. Rept for 1964 p. 106-108.
3. Geological Survey of Canada, Map 971A, Smithers-Fort St. James, British Columbia.
4. Sinclair, A.J., 1969 Preliminary Report on the "A" Group of claims.
5. Philp, R.H.D., Report on the Geochemical and Geological Survey of the "A" claims.

CERTIFICATE

I, Robert G. Potter of 201-714 West Hastings Street, Vancouver, British Columbia do hereby certify that:

1. I am a registered Professional Engineer of the Province of British Columbia.
2. I am a graduate of the University of British Columbia (B.A. Sc. 1961).
3. I have practiced my profession since 1961 while employed with: Caseco Consultants Ltd., Asbestos Corporation (Explorations) Ltd., Atlantic Refining Co. Ltd., Mining Explorations International Ltd., and Agilis Exploration Services Ltd.
4. My report is based on an examination of the 'A and B' property, conducted during the month of August 1970.
5. While on the property I examined the staking of all claims and found them to be located in accordance with the regulations set forth in the mineral act for the Province of British Columbia.
6. I have no interest, nor do I expect to receive any interest, either directly or indirectly, in the property described herein or securities of Javelin Mines Ltd. or any affiliate of that company.
7. I consent to the use of my report in any Prospectus or statement of Material Facts of Javelin Mines Ltd.


Robert G. Potter, P. Eng.

September 10, 1970

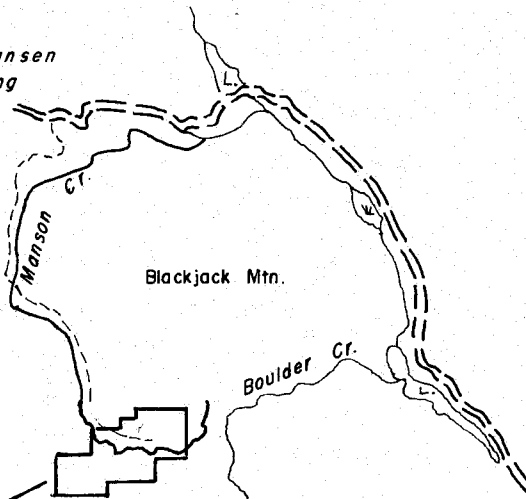
Vancouver, B.C.

APPENDIX

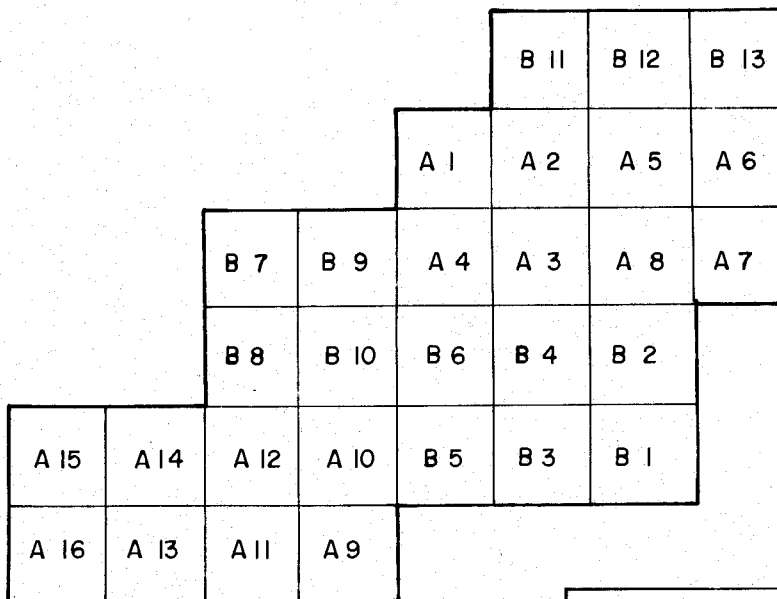
<u>Trench #</u>	<u>Location</u>	<u>Remarks</u>
1	Line 600 E 250 to 400 S	Lies across the strike extension of the mineralized quartz veins of the eastern showing. A depth of 15 feet was reached in gravels but no bedrock was encountered.
2	Line 200 E 1000 to 1100 N	Cuts an area having a relatively high moly content in the soil. To a depth of 10 feet weathered argillaceous rocks were encountered. These contain small stringers of rusty apatite.
3	Line 1300 N 350 to 450 E	Deepening of old trench. Cuts siliceous pyrite argillaceous rocks.
4	Line 600 E 800 to 900 N	Exposes pyritic argillaceous rocks. These are cut by two EW striking quartz veins of 6" and 1 ft. widths. The quartz contains minor pyrite.
5	1000 E 1100 to 1200 N	Medium grained quartz monzonite with minor pyrite content. Cut by small (4") rusty apatite vein.
6	1400 E 1100 to 1200 N	Medium grained quartz monzonite.
7	1600 E 1250 to 1350 N	Medium grained quartz monzonite.
8	1000 N 650 to 750	Pyritic siliceous argillite.

<u>Trench #</u>	<u>Location</u>	<u>Remarks</u>
9	Approx. line 0+00 2700 to 4500 S	Cuts a series of steeply dipping schistose argillites and fine grained quartzites. The argillites are rich in pyrite.

to Germansen Landing



A & B Claims



**Department of
Mines and Petroleum Resources
ASSESSMENT REPORT**

No. **2689** #1

AGILIS EXPLORATION SERVICES LTD.

JAVELIN MINES LTD. (N.P.L.)

MANSON CREEK, B.C.
Location Map

DRAWN BY: L.M.	
CHECKED BY: R.P.	DATE: Sept., 1970

DOMINION OF CANADA:
 PROVINCE OF BRITISH COLUMBIA.
 To Wit:

In the Matter of the Geological and Geochemical surveys on the "A" claims, Manson Creek, B. C.

I, Mona Hardy

of 201-714 West Hastings St., Vancouver 1, B. C.

in the Province of British Columbia, do solemnly declare that the following personnel were PERSONNEL: employed and costs incurred in conducting the surveys during August 1970

R. Potter Geologist -	Field Supervision-	36 days	@ \$	80.00	\$ 2,880.00
	Office	4 "	@	100.00	400.00
T. Morgan-	Field	37 "	@	29.00	1,073.00
R. MacBean-	Field	37 "	@	47.71	1,765.27
	Office	1 "	@	47.71	47.71
R. Philp- P. Eng.-	Office-Supervision	2 1/2 "	@	100.00	250.00
L. Maesh-	Draughting	30 hrs.	@	5.00	150.00
					\$ 6,565.98

DISBURSEMENTS:

Supplies and groceries	428.27	
Meals & accommodation	503.13	
Prints	14.56	
Truck rental, repairs	560.03	
Fuel Oil, gas, travel	218.69	
Camp charges	180.00	
Chemex lab.- analysis	508.68	
Mag. rental	300.00	
Telephone, freight	62.15	
	\$2,775.51	
10% Overhead on disbursements	277.55	\$ 3,053.06
		\$ 9,619.04

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

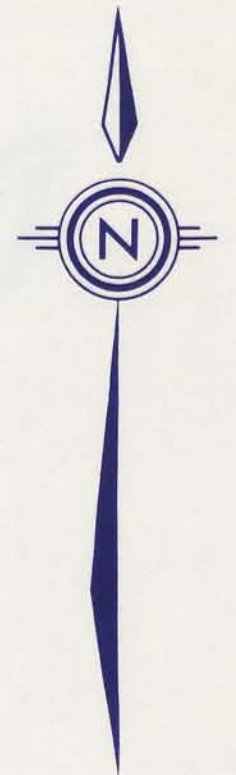
Declared before me at the City
 of Manson, in the
 Province of British Columbia, this 2nd
 day of November 1970, A.D.

Mona Hardy

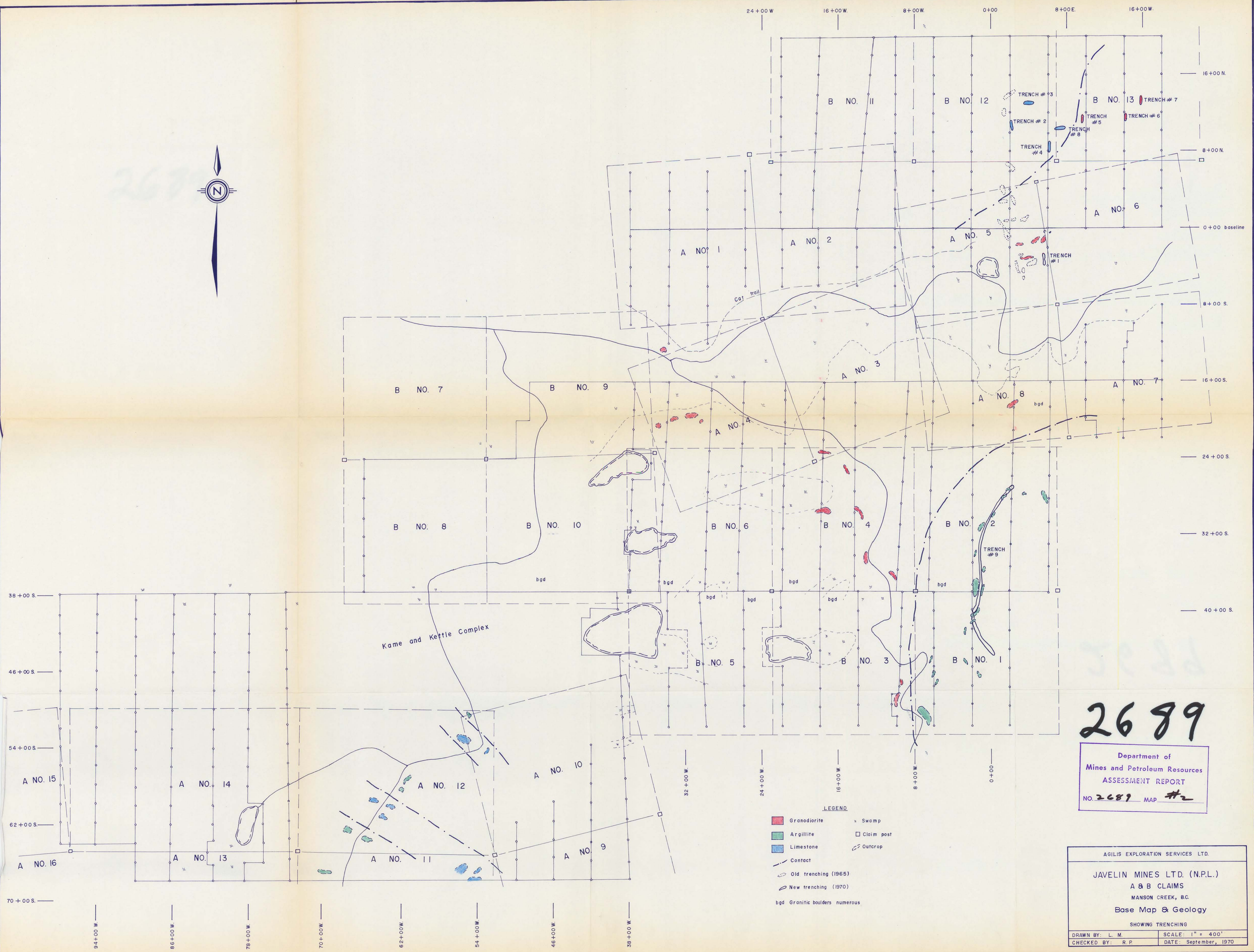
J. Phillips

A Commissioner for taking Affidavits within British Columbia or
 A Notary Public in and for the Province of British Columbia.

2689



2689



2689

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2689 MAP #2

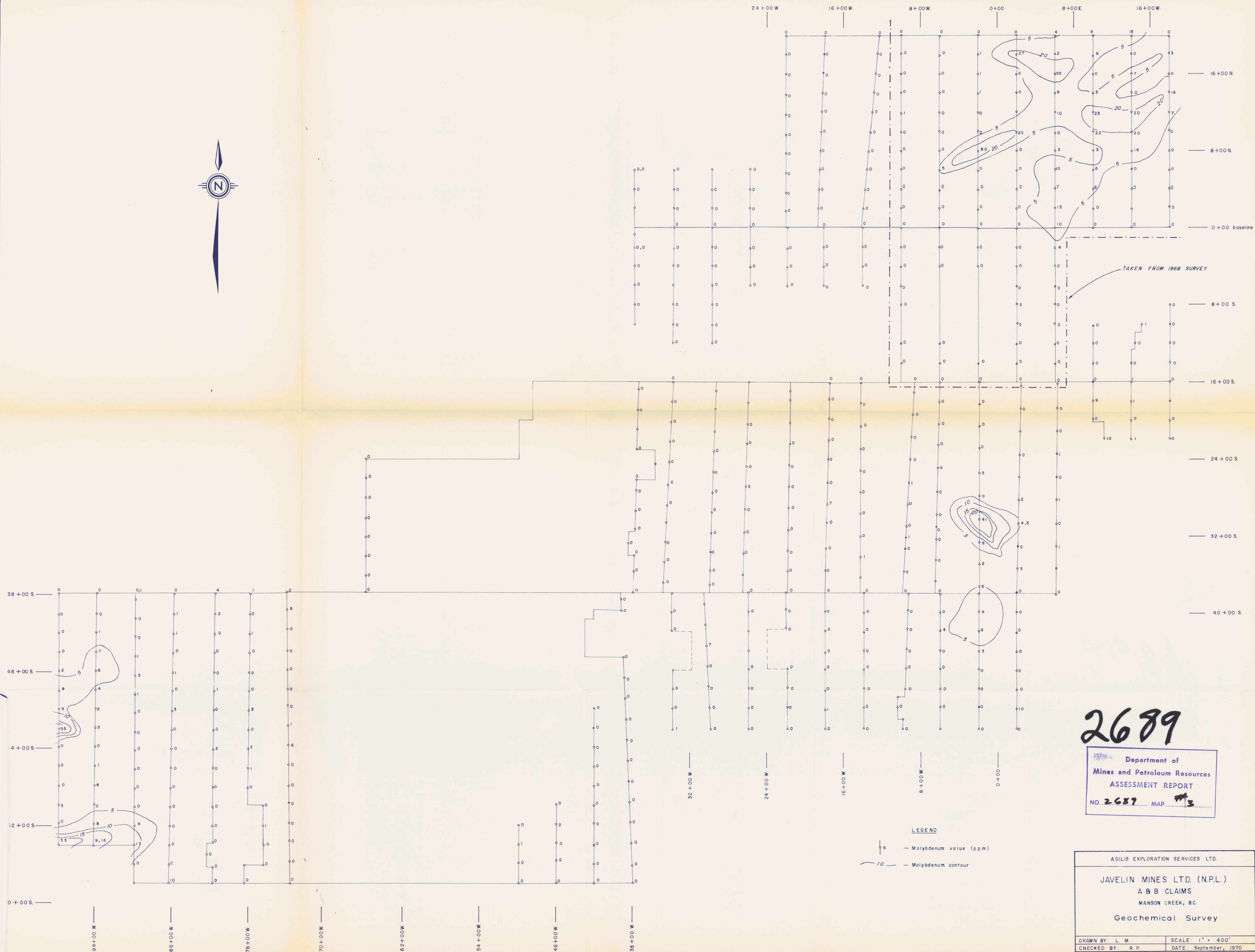
- LEGEND
- Granodiorite
 - Argillite
 - Limestone
 - Contact
 - Old trenching (1965)
 - New trenching (1970)
 - bgd Granitic boulders numerous
 - × Swamp
 - Claim post
 - Outcrop

AGILIS EXPLORATION SERVICES LTD.

JAVELIN MINES LTD. (N.P.L.)
A & B CLAIMS
MANSON CREEK, B.C.
Base Map & Geology

SHOWING TRENCHING

DRAWN BY: L. M.	SCALE: 1" = 400'
CHECKED BY: R. P.	DATE: September, 1970



2689

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2687 MAP #3

LEGEND
6 — Molybdenum value (ppm)
10 — Molybdenum contour

AGILIS EXPLORATION SERVICES LTD.
JAVELIN MINES LTD. (N.P.L.)
A & B CLAIMS
MANSON CREEK, B.C.
Geochemical Survey
DRAWN BY: L.M. SCALE: 1" = 400'
CHECKED BY: R.P. DATE: September, 1970