

1986

MANOR MINES LTD. (N.P.L.)
Tad and Sno Claims
Highland Valley, B. C.

ALRAE ENGINEERING LTD.

April 24, 1969

TO PROTECT OUR CLIENTS, THE PUBLIC AND OURSELVES, ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS AND AUTHORIZATION FOR PUBLICATION OF STATEMENTS, CONCLUSIONS AND EXTRACTS FROM OUR REPORTS MUST RECEIVE OUR WRITTEN APPROVAL.

ALRAE ENGINEERING LTD.
VANCOUVER, B.C.
ENGINEERS & GEOLOGISTS

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. MAP
1986

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INTRODUCTION

Manor Mines Ltd. has held claims in the Highland Valley area since 1966 and has completed a limited amount of exploration work since that time. In July 1966 the writer, accompanied by Mr. H.J. Rodstrom, a principal of Manor Mines, and Mr. Magnus Bratlien, vendor of the claims, traversed and examined rock exposures and mineralization on the property.

The claims are largely covered by jackpine and lodgepole pine which grow on a thin glacial overburden mantle. There are several small streams and open grassy swamps on the claims.

During the summer season of 1968 a small grid of picket lines was prepared in the centre portion of the property and three short diamond drill holes were drilled within the grid area. There is no indication of previous work on the claims and there is no mining plant or equipment presently within the group.

CLAIMS

Claims and their record numbers are as follows:

| <u>CLAIM NAME</u> | <u>RECORD NUMBER</u> |
|-------------------|----------------------|
| Tac 1 - 46 | 68186 - 68231 |
| Tac 55 - 80 | 68240 - 68265 |
| Sno 1 - 8 | 75817 - 75824 |

All 80 claims are within the Kamloops Mining Division.

LOCATION AND ACCESS

The Tac and Sno claims are located on the southern slope of Glossy Mountain approximately 20 miles southeast of Ashcroft, B. C. A forestry access road leaving the Highland Valley highway approximately 20 miles east of Ashcroft leads northerly along Woods Creek and crosses through the claim group. Claims are approximately two

miles from the Highland Valley highway. A westerly branch road from this forestry access road traverses the southern boundary of the claim group.

Bethlehem Copper Mine and Lornex Mines are approximately seven miles to the southeast of the Manor Mines Ltd. claims.

GEOLOGY

The claim group is underlain by the Lower Jurassic Guichon Creek batholith, Upper Triassic Nicola volcanics and sediments, and Miocene basalt. The Miocene basalt and Nicola volcanics are described by Mr. Bratlien as occurring on the northern fringe of the claim group although all outcrops observed by the writer were of the granitic batholith.

The Guichon Creek batholith is composed of several granitic intrusives and it is within these intrusives that all commercial copper deposits in the Highland Valley have so far been discovered. The batholith is composed chiefly of granodiorite, quartz diorite and diorite. Granodiorite of uniform composition was the chief rock type observed during traverse of the property. Mafic minerals within the granodiorite consist chiefly of biotite in the eastern portion of the claim group, whereas hornblende and minor chlorite are more prominent on the western fringe of the group.

Mineralization was observed on the Tac 29 and 30 mineral claims and consisted of trace amounts of molybdenite and chalcopyrite disseminated in the biotite granodiorite. The rock in this exposure is slightly fractured and minor feldspar alteration was noted. Overburden obscures most of the bedrock within the claims but is estimated to be generally less than 15 feet thick.

The Miocene basalt cap rock described as occurring at the northern fringe of the property was not examined but the contact is described in this location in the Geological Survey of Canada Memoir No. 262. The presently established picket line grid prepared for induced polarization survey has covered the area in which this mineralization was noted and the company intends to complete the survey over this grid during 1969. Three diamond drill holes on the Tac 29 and 30 claims averaged 200 feet in depth. A total of 606 feet was drilled. The drill core is not currently available for examination but is described by Mr. Rodstrom as having encountered only minor mineralization.

CONCLUSIONS AND RECOMMENDATIONS

The Tac and Sno claims are almost entirely underlain by favourable Guichon Creek batholith in which most of the copper mineralization encountered in the Highland Valley area has been discovered. Minor amounts of chalcopyrite and molybdenite were observed during field examination of these claims but detailed evaluation and examination of the mineralization has not yet been completed.

To test the claims for possible low grade copper-molybdenum mineralization the following work is recommended:

- (a) Reconnaissance soil sampling of the claim area
- (b) Induced Polarization survey of the presently prepared grid and other areas bearing significant copper concentrations in the soils; and
- (c) Diamond or percussion drilling of the I.P. survey anomalies to test for the cause of the anomalies.

COST ESTIMATE

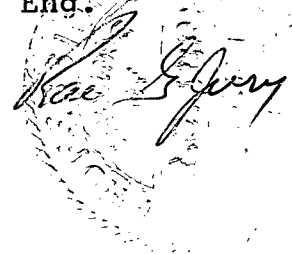
Approximate cost of the above recommended work will be as follows:

| | |
|--|---------------------|
| (a) Reconnaissance soil sampling | \$ 7,000.00 |
| (b) Induced polarization survey | 10,000.00 |
| (c) Initial diamond drilling 1,000 feet @ \$10.00/ft. | <u>10,000.00</u> |
| | \$ <u>27,000.00</u> |

Should economically interesting amounts of copper and molybdenum mineralization be encountered by this work much further development would be required to completely evaluate the claims.

Respectfully submitted:


Rae G. Jury, P. Eng.

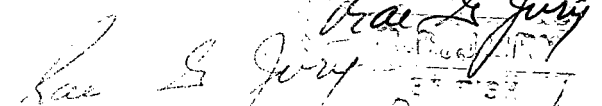


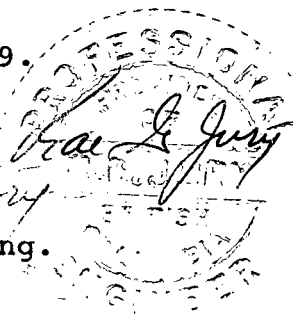
CERTIFICATE

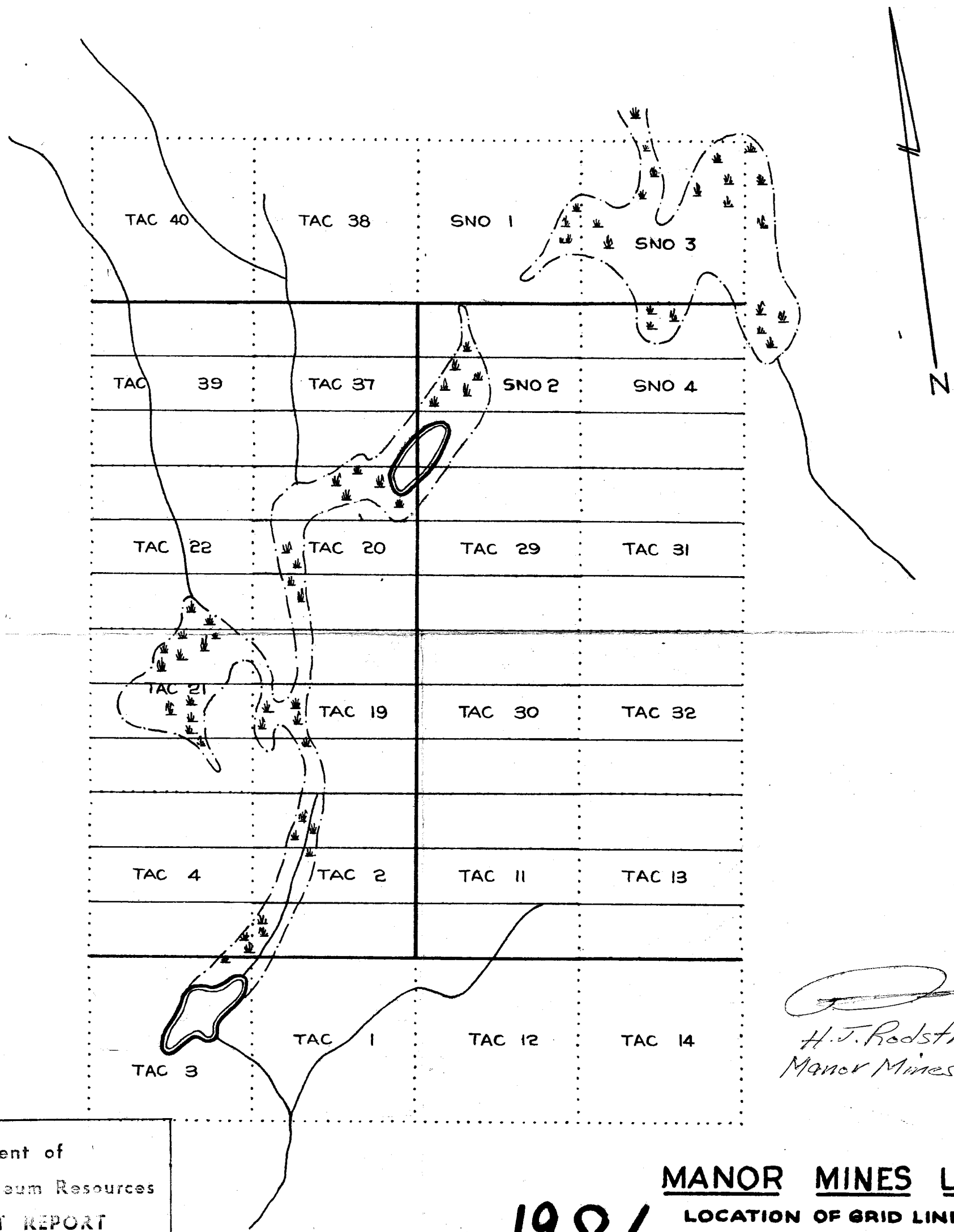
I, Rae G. Jury, of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a consulting geological engineer.
2. I am a graduate of Queen's University in Kingston (B. Sc. in Geological Sciences, 1957).
3. I am a registered Professional Engineer of the Provinces of British Columbia and Ontario and also a member of the Canadian Institute of Mining and Metallurgy.
4. I have practiced my profession since 1957 with Labrador Mining & Exploration Company, Quemont Mining Corporation, Canadian Johns-Manville Co. Ltd., and Alrae Engineering Ltd.
5. I have personally examined the area now held by the Tac and Sno claims on July 28, 1966.
6. I have examined some of the original claim locations (Pit and Can claims) and found them to be located in accordance with the British Columbia Mineral Act. The Tac and Sno claims are relocations of the Pit and Can claims.
7. I have not received, nor do I expect to receive, any interest, either directly or indirectly, in the properties or securities of Manor Mines Ltd. (N.P.L.)

DATED AT VANCOUVER, this 24th day of April, A.D. 1969.


Rae G. Jury, P. Eng.





H. J. Rodstrom
 Manor Mines Ltd.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. ~~1986~~ MAP #1
 1986

1986

MANOR MINES LTD.
 LOCATION OF GRID LINES.
 TAC CLAIMS
 SCALE : 1" = 1000'
 APRIL 1969