

REPORT

ON

825145

MG 51-85

&

DEE 85-86, 101-162, and 179-180
MINING CLAIMS

BURNIE LAKE AREA
OMINECA MINING DIVISION, B. C.

prepared for

DUSTY MAC MINES LTD. (N.P.L.)
1710-1177 W. Hastings St.
Vancouver, B. C.

by

ANDREW E. NEVIN, Ph. D., P. Eng.
ANDREW E. NEVIN CONSULTANTS LTD.
426 - 470 Granville St.
Vancouver 2, B. C.

February 28, 1972

PART A

SUMMARY AND RECOMMENDATION

The 34 MG claims and the 66 DEE claims are two new separate groups in Hazelton volcanics, 40 miles southwest of Smithers, B. C. The MG claims are believed to include a copper showing of unknown character discovered by a Geological Survey of Canada party in 1971. Both groups of claims are raw prospects which warrant judicious prospecting and geochemical sampling.

ESTIMATED COSTS

Prospecting on the two claim groups is estimated to cost as follows:

| | | |
|--|--------------|-----------------|
| Wages, 2 men, 4 weeks | \$ 2,000 | |
| Transportation, including helicopter from Smithers, 3-4 r.t. | 1,800 | |
| Camp costs | 1,000 | |
| Geochemical analyses | 700 | |
| Supervision, engineering, administration | 1,000 | |
| Contingencies | <u>1,000</u> | \$ <u>7,500</u> |

PART B

CLAIMS

The subject claims were staked by Cannon-Hicks Associates Ltd. acting under instructions from Dusty Mac. Cannon-Hicks retained Western Geological Services Ltd. (a predecessor of W. Meyer & Associates Ltd.) to aid in staking.

The MG claims and DEE claims comprise two separate groups, as shown on the maps. The particulars are as follows:

| <u>Group</u> | <u>Claims</u> | <u>Staker</u> | <u>Date</u> | <u>Date Recorded</u> | <u>Total</u> |
|--------------|---------------|---------------|-------------|----------------------|--------------|
| MG | 51-85 | W. Meyer | 1/9/71 | 15/9/71 | 35 * |
| DEE | 85-86 | N. Bonin | 29/8/71 | 10/9/71 | 2 |
| | 101-160 | P. Dunsford | 28/8/71 | 14/9/71 | 60 |
| | 161-162 | W. Bonin | 28/8/71 | 10/9/71 | 2 |
| | 179-180 | P. Dunsford | 30/8/71 | 14/9/71 | <u>2</u> |
| | | | | | 101 * |

The claims were recorded in Vancouver on the above dates and are held by Dusty Mac Mines Ltd. (N.P.L.) under Bills of Sale.

My personal knowledge of the high degree of integrity of the staking parties leads me to feel confident that the claims were staked in compliance with the Mineral Act (with the exception of the overlapping claims noted below), notwithstanding the lack of my personal examination. I was in this area and was associated with the staking parties elsewhere at the time of staking.

* Claims MG 53 and MG 84 are coincident and thus the MG group consists of 34 claims, and the total of 100 claims.

LOCATION AND ACCESS

The claims are located 40 miles southwest of Smithers, immediately west of the upper Telkwa River and Burnie Lakes. The only practical means of access at this time is by helicopter from Smithers.

The MG Group is centred on Lat. $54^{\circ}24'$ N, Long. $127^{\circ}52'$ W. The DEE Group is centred on Lat. $54^{\circ}21'$ N, Long. $127^{\circ}42'$ W.

Altitudes range from 4,000 feet to nearly 8,000 feet, and the tree line is at about 5,000 - 5,500 feet.

TERMS OF REFERENCE, SCOPE

This report is written on behalf of Dusty Mac Mines Ltd. (N.P.L.) Initial prospecting is recommended herein.

The claims have not been examined by me, but I am thoroughly familiar with the immediate area and have no reservations about the conclusions herein.

EXPLORATORY HISTORY

The claims were staked in anticipation of and upon receipt of an announcement that a field party of the Geological Survey of Canada had discovered some previously unknown copper occurrences within units of the Lower Jurassic volcanics, and had reason to believe that some stratigraphic control had been exercised on the distribution of copper mineralization.

One of these showings, No. 15 in the G.S.C. news release (1), is described as located at $54^{\circ}24'15''$ N and $127^{\circ}52'30''$ W. This would fall within the MG claims, although its presence has not been positively confirmed by the stakers or Dusty Mac personnel. This showing is described as "native copper with prehnite in red vesicular flows", within the "Red Volcanic" Unit.

No work has yet been done on the claims by Dusty Mac and to the best of our knowledge none has been done by prior explorers.

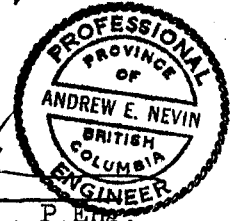
REGIONAL GEOLOGY AND MINING

Each of the claim groups lies in a terrain of Lower Jurassic Hazelton volcanics, near contacts with later Mesozoic granitic rocks (2). At this time little can be said beyond that. Regional geologic studies are still in progress by the G.S.C. and exploration in the region is continuing by the mining industry.

The claims are located 30-50 miles west of the Nadina and Sam Goosly copper deposits and 40 miles southwest of the Hudson Bay Mountain molybdenum deposit.

Respectfully submitted,


Andrew E. Nevin, Ph.D., P.Eng.



LIST OF MAPS (Cannon-Hicks Associates Ltd.)

MG and DEE Claims, 1" = 4 mi.

MG Claims, 1" = 6000'

DEE Claims, 1" = 6000'

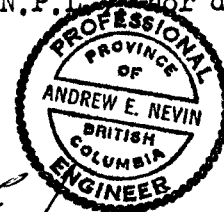
PART C - REFERENCES

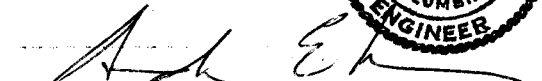
- (1) H.W. Tipper (September 1, 1971) Lower Jurassic Volcanic Rocks of the West Half of Smithers Map-area, B. C. (93L): Geol. Survey of Canada, News Release, 4 p.
- (2) H.M.A. Rice (1949), Smithers - Fort St. James, B.C.: Geol. Survey of Canada, Map 971A

PART D: CERTIFICATE

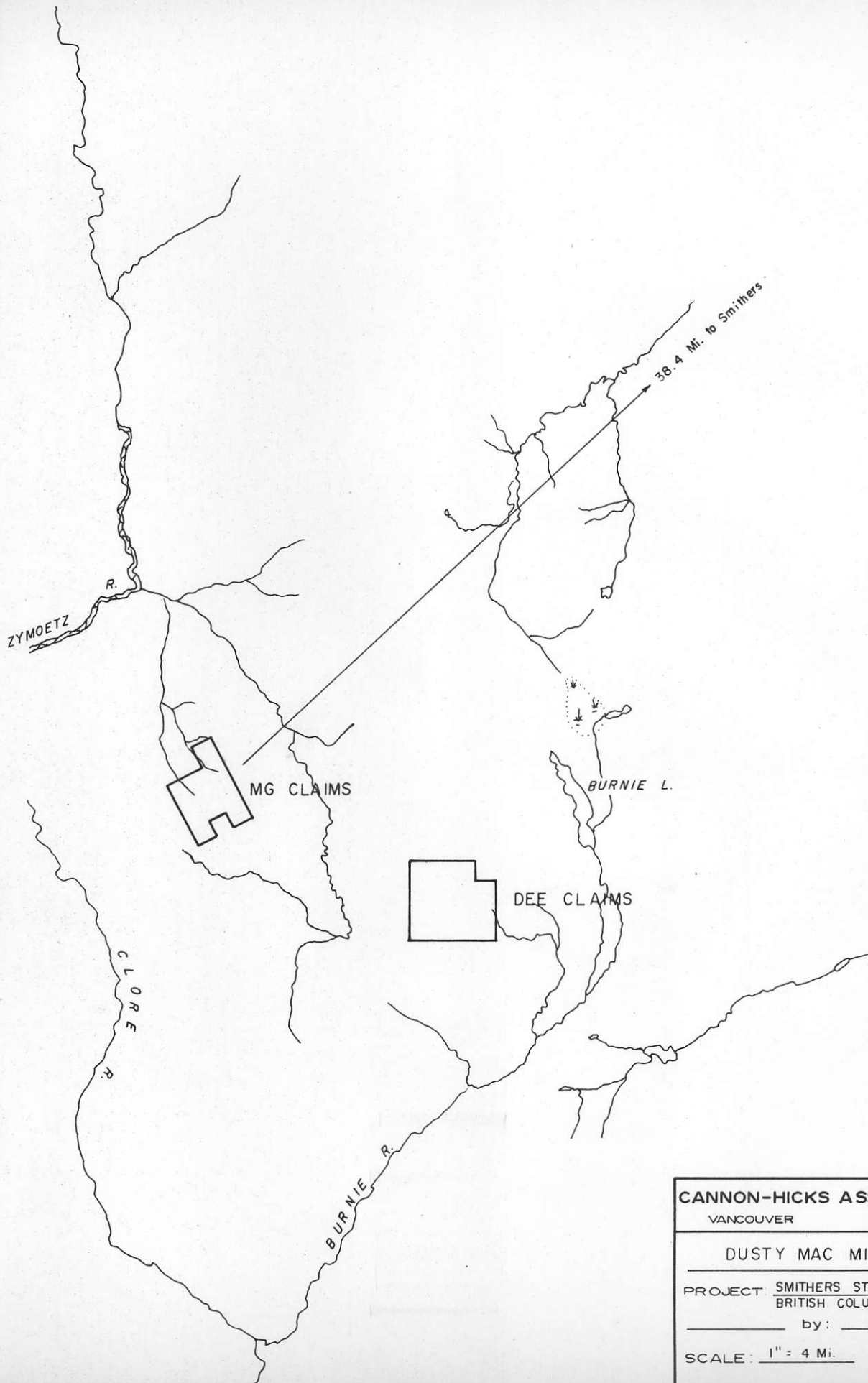
I, Andrew E. Nevin, hereby certify that:

1. My residence address is 4352 Arundel Road, North Vancouver, B. C., my office address is 426 - 470 Granville Street, Vancouver 2, B.C., and that I am a Geologist by occupation.
2. I hold a B. Sc. in Geophysics from St. Lawrence University, a M.A. in Geology from University of California, Berkley, and a Ph. D. in Geology from University of Idaho. I have been practicing my profession since 1961, and I am a member of the Association of Professional Engineers (Geological) of the Province of British Columbia.
3. This report is based on a familiarity with the Burnie Lakes region, in which the MG and DEE claims lie.
4. I hold no ^{AMM} interest, direct or indirect, in the MG or DEE claims, nor the securities of Dusty Mac Mines Ltd. (N.P.L.) nor do I expect to receive any.




Andrew E. Nevin, Ph.D., P.Eng.

February 28, 1972



CANNON-HICKS ASSOCIATES LTD.

VANCOUVER

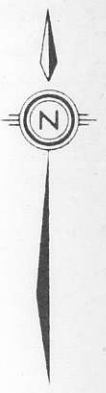
B. C.

DUSTY MAC MINES LTD.

PROJECT: SMITHERS STAKING No. _____
BRITISH COLUMBIA

by: _____

SCALE: 1" = 4 Mi. DATE SEPT. 71



| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112 | 110 | 108 | 106 | 104 | 102 | | | |
| 111 | 109 | 107 | 105 | 103 | 101 | | | |
| 128 | 126 | 124 | 122 | 120 | 118 | 116 | 114 | 162 |
| 127 | 125 | 123 | 121 | 119 | 117 | 115 | 113 | 161 |
| 129 | 131 | 133 | 135 | 137 | 139 | 141 | 143 | 96 |
| 130 | 132 | 134 | 136 | 138 | 140 | 142 | 144 | 85 |
| 160 | 158 | 156 | 154 | 152 | 150 | 148 | 146 | 180 |
| 159 | 157 | 155 | 153 | 151 | 149 | 147 | 145 | 179 |

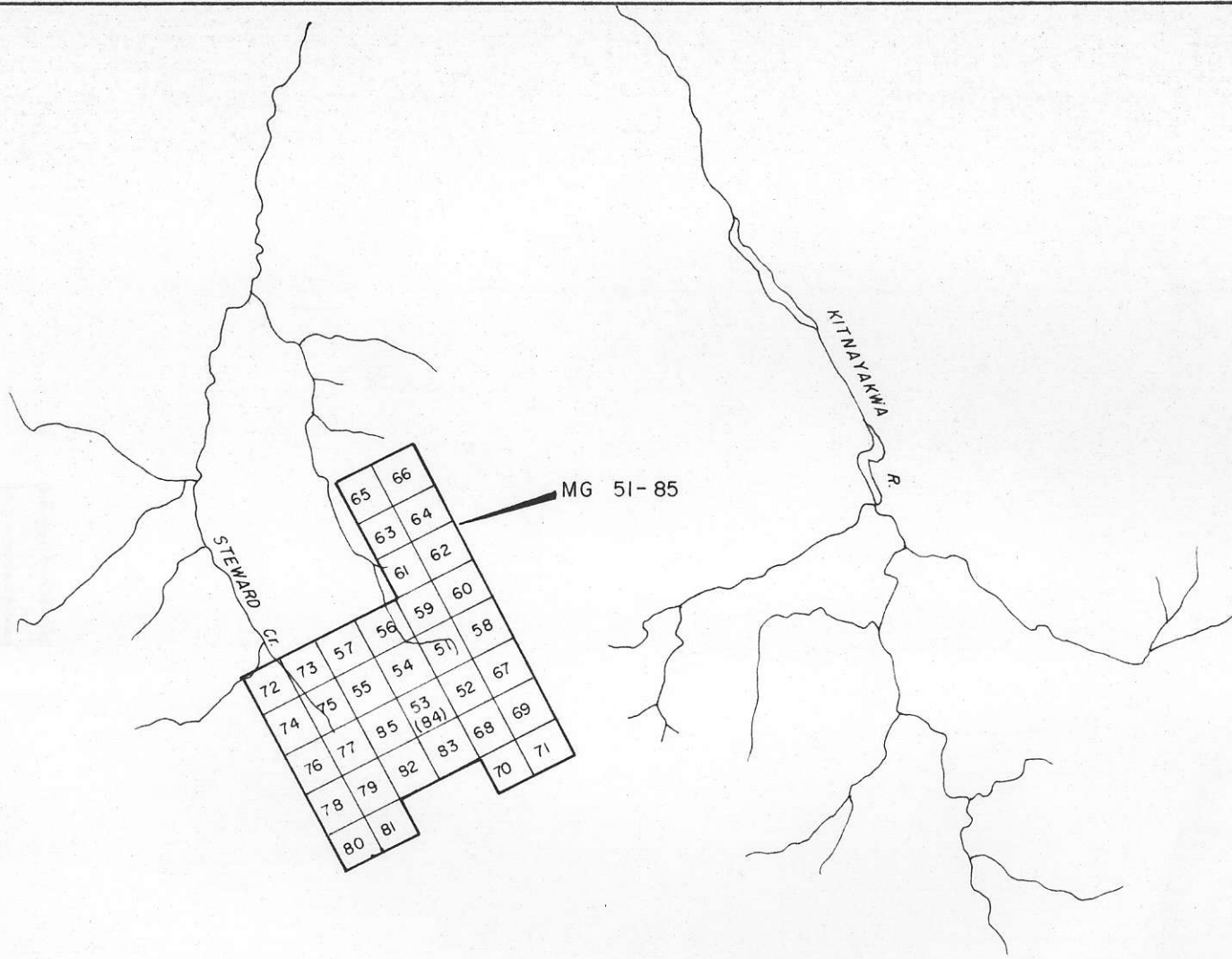
TATSI Cr.

DEE 101 - 160

DEE 85, 96, 161, 162, 179, 180.



| | |
|------------------------------|---------------------------|
| CANNON-HICKS ASSOCIATES LTD. | |
| VANCOUVER | B C |
| DUSTY MAC MINES LTD. | |
| PROJECT | SMITHERS STAKING No _____ |
| by: | _____ |
| SCALE | 1" = 6000' |
| DATE | SEPT., 71 |



CANNON-HICKS ASSOCIATES LTD.
 VANCOUVER B C

DUSTY MAC MINES LTD.

PROJECT: SMITHERS STAKING No _____

by: _____

SCALE: 1" = 6000' DATE: SEPT., 71

