

CANNON-HICKS ASSOCIATES
LTD.
REPORT ON
DUSTY MAC MINES LTD.

825185 AUGUST 19, 1969

PROGRESS REPORT

ON

DUSTY MAC MINES LTD. (NPL)

DUSTY MAC PROPERTY

OKANAGAN FALLS, B.C.

BY

D. M. CANNON, P. ENG.

August 19, 1969.

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INTRODUCTION

The following is a Report on the work done at the Okanagan Falls property of Dusty Mac Mines Ltd. since the report dated June 12, 1969.

Work Done

Mapping

Mapping of the surface geology is almost complete and drafting of the final compilation is in progress.

Surveying

All surface trenches and underground work has been surveyed and oriented in relation to previously known and sampled mineralization. The results of the survey are plotted on the attached map.

Trenching

A total of 2120 lineal feet of bulldozer trenching has been completed in eleven trenches across the zone. In most cases bedrock was reached but there were sections where the depth of over-burden was too great to penetrate.

The sections of the breccia zone exposed by the bulldozer trenching has all been drilled and blasted so that the effects of surface weathering would be minimized. In some cases the initial blasted sections have been deepened and resampled.

Drilling

There has been no drilling on the property except for the purpose of blasting.

Sampling

Sampling, as described in the previous report, is virtually complete. Sample locations and assay results are recorded on the attached map.

RESULTS

Assays

Assays to date serve to illustrate the erratic nature of the mineralization. A considerable number of samples have been tested and none have returned grades that are consistent with those received from previous surface sampling nor those from sampling the incline and raise. The reason for the discrepancy has not yet been determined but it is noteworthy that the samples from the deepened portion of one trench returned results that were appreciably higher than those taken after the first blasting. Although it is an unusual situation, available data suggests that, in part of the surface area at least, gold and silver values are lower than those obtainable from slightly below surface.

General Comment

Detailed geological mapping has shown the existence of the same or similar fragmental horizons both above and below the one being tested. Sulphide (galena, sphalerite and chalcopyrite) is found in the upper member but the lower remains to be tested.

To date there is no indication of a measurable zone that could be profitably mined.

WORK PROPOSED

The following recommendations are made because of

- (a) the inconsistency of assay results and,
 - (b) the apparent increase in values with depth.
1. Complete the geological mapping and prepare plans and section.
 2. Complete the sampling now in progress.
 3. Diamond Drill two sections of vertical holes following trenches D and F. Holes should be spaced at 25 foot centres and should be drilled through the breccia zone into the andesite porphyry. (See attached sketch.)
 4. Diamond drill one hole to a minimum depth of 500 feet for exploratory purposes.
 5. Ship approximately 3-tons of sampled material to the Cominco smelter at Trail, B.C. as a further check of values.

ESTIMATED COST

Supervision, etc.	\$2,250
Geological Mapping (Field	500
Map preparation	500
Trenching	1,000
Sampling and assaying (including smelter charges)	1,000
Diamond drilling (1,000 feet @ \$6.25/ft)	6,250
Mobilization and demobilization	1,000
	<hr/>
	12,500
	<hr/>
Contingencies 20%	2,500
	<u>\$15,000</u>

CONCLUSIONS AND COMMENTS

Results to date are inconsistent and confusing. On the basis of the bulk sampling the property must be considered unattractive. However, previous channel sampling of surface and underground and three bulk samples that were shipped to the smelter all gave evidence of values of economic interest. The work that has been proposed should resolve the issue.

Respectfully submitted,

D. M. Cannon

DMC

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