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PACKSACK DRILL SAMPLING
AT THE
DECKER CREEK MoS₂ PROPERTY
1963

Vancouver Office
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SUMMARY AND CONCLUSIONS

A limited amount of packsack diamond drilling was done at the Decker Creek MoS₂ property during the 1963 field season. With one exception, drill core assay results confirmed the information obtained by bedrock trench sampling in 1962. In the Nunatak area, a 74-foot vertical hole was collared on the site of a 175-lb. sample taken in 1962. The drill core contained an average of 0.025% MoS₂, compared to the bulk sample's 0.17%.

INTRODUCTION

The Decker Creek MoS₂ property was mapped in detail and sampled in 1962, and has been described by Silversides (1963). Sampling of bedrock trenches indicated that the grade of mineralization is low at surface, although small high-grade sections are present.

During 1963, a small amount of packsack diamond drilling was done at Decker Creek as part of the Stikine Project. The objectives of the drilling were as follows:

1. To test two areas not sampled in 1962.
2. To check the results of surface sampling.
3. To fulfil assessment work requirements for some of the claims.

WORK DONE

196 feet of EX drilling was done in four holes. The locations are shown on the accompanying map. The core was logged and submitted whole for assay.

RESULTS

1. Hole D-1 cut 50 feet of pink medium-grained quartz monzonite, containing 0.026% MoS₂ (weighted average). (The nearest 1962 surface samples, at trenches 4-A and 5, had yielded 0.022% and 0.030% MoS₂ respectively).
2. Hole D-2 cut 41 feet of rock similar to that in D-1,

but highly fractured (core recovery - 70%). All samples contain 0.010% MoS₂, compared to 0.013% and 0.016% MoS₂ in the nearest 1962 trenches (2-B and 2-A).

3. Hole D-3 was drilled vertically, on the site at which a 175-lb. sample grading 0.17% MoS₂ was taken in 1962. 74 feet of core, sampled in four sections, gave results ranging from 0.02% to 0.03% MoS₂.
4. Hole D-4 served to extend the 1962 trench 3-A sample 31 feet to the southwest beneath the glacier. The core contains 0.025% MoS₂, substantially less than the average for the trench (0.041%).

NOTES

The drilling was done with the Pioneer Mark

IX Packsack Drill. Core recovery was as follows:

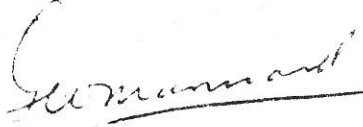
D-1	80%
D-2	70%
D-3	80%
D-4	90%

In addition to MoS₂, oxidized parts of the core were assayed for oxide molybdenum. Results ranged from "trace" to 0.01%, and were not included in the above comparisons of grade.

REFERENCE

Silversides, D.A. (1963) Final Report - Decker Creek Pro-
ject (1962) - Northern British Columbia;
Vancouver Office, Southwest Potash Corp-
oration.

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