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Dawson Range Mines Ltd. (N.P.L.)

FIJI MINERAL CLAIMS

Dawson Range Area, Yukon Territory
Whitehorse M.D. N.T.S. 115 J-10

PROPERTY EXAMINATION REPORT

for

Selco Exploration Company Limited

16 October, 1970

D.C. Findlay, F.G.A.C.



This report has been examined by the Geological Evaluation Unit and is recommended to the Commission to be considered as representing a value in excess of

\$282.10

D.B. Craig

Inspector of Mines

Considered by the Commission as work under Section 33 (4) Yukon Quartz Mining Act.

[Signature]
Commissioner of Yukon Territory

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FIJI MINERAL CLAIMS

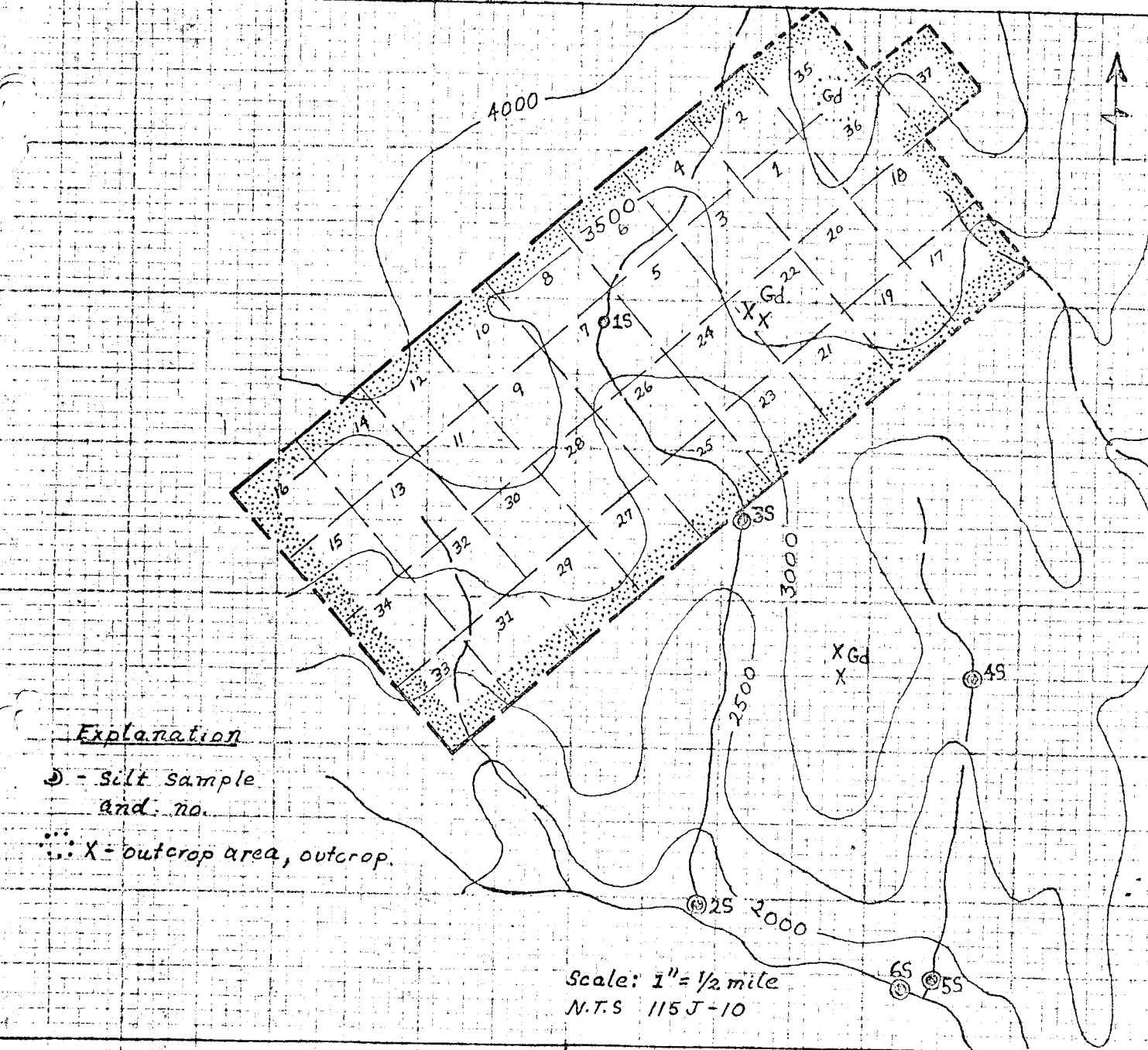
Dawson Range Area, Yukon Territory
Whitehorse M.D. N.T.S. 115 J-10

SUMMARY AND CONCLUSIONS

1. The 37-claim FIJI group lies about 5 miles southwest of Patton Hill, the principal area of mineralization on the Casino copper-molybdenum property in central Dawson Range. Because of their proximity to the Casino property, a preliminary examination of the FIJI claims seemed warranted, and this was carried out on September 23, 1970.
2. The FIJI claims are, as far as could be determined, underlain solely by massive, fresh, Klotassin (Cretaceous) granodiorite showing no evidence of mineralizer activity. Reconnaissance stream silt samples from creeks draining the claim area yielded no significant values in copper or molybdenum.
3. The property is not recommended for option.

INTRODUCTION

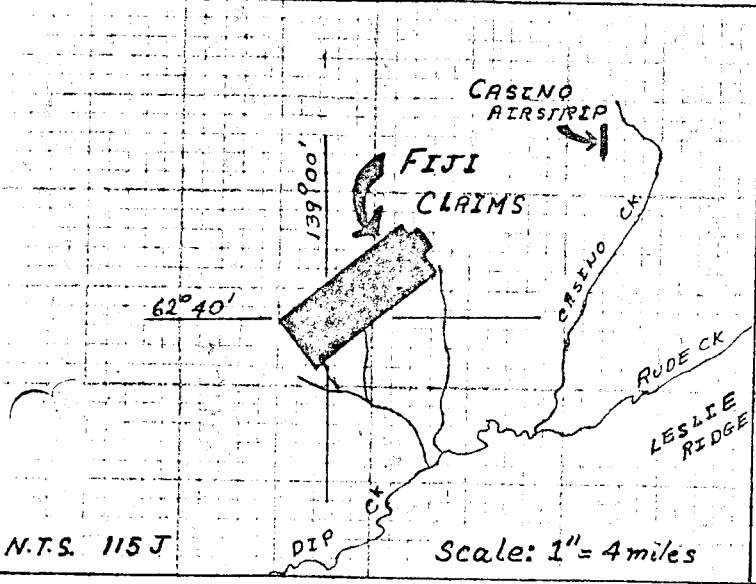
The FIJI claims, owned by Dawson Range Mines Ltd.(N.P.L.), were examined on September 23, 1970, in company with Dr. A.M. Pearson, agent for the owners. The examination consisted of spot helicopter landings on outcrop areas within the claim boundaries, and stream silt sampling of the principal drainage of the claims.



Explanation

- S - Silt sample and no.
- X - outcrop area, outcrop.

Scale: 1" = 1/2 mile
N.T.S 115J-10



N.T.S. 115J

Scale: 1" = 4 miles

Fig. 1
LOCATION AND CLAIM SKETCH
FIJI CLAIMS
Dawson Range Area, Yukon

16 October, 1970

D.C. Findlay

CLAIMS

Claim numbers, grant numbers, and anniversary dates are as follows:

<u>Claim</u>	<u>Grant No.</u>	<u>Anniversary Date</u>
FIJI 1 - 37	Y 44502 - Y 44538	15 December, 1970

LOCATION AND ACCESS

The FIJI claims lie immediately north of Dip Creek and about 5 miles south and slightly west of Patton Hill on the Canadian - Casino creeks copper - molybdenum prospect of Casino Silver Mines Ltd. The claims are located in a part of central Dawson Range that has received extensive exploration attention during the 1969 and 1970 field seasons, following the discovery of the Casino 'porphyry copper' occurrence.

The geographic coordinates of the approximate centre of the FIJI claim block are: 62°41' N; 138°58' W. The National Topographic Series reference sheet is 115 J-10.

Access to the FIJI claims is by helicopter from the Casino airstrip which can be reached by fixed-wing, wheel-equipped aircraft from Whitehorse (190 miles) or from Minto airstrip (64 miles) on the Whitehorse-Stewart Crossing road (Klondike Highway).

GEOLOGY

Although this part of Dawson Range has not yet been mapped by the Geological Survey¹, sufficient data have been accumulated from company mapping and from spot examinations by government geologists to provide a skeletal framework of the geology of the region. In general, the central part of Dawson Range is cored by a large, westerly-trending granodiorite pluton or plutonic complex ('Klotassin granodiorite') that, based on several potassium-argon age determinations is 95-100 m.y. old. The granodiorite cuts various schists and gneisses of the (?) Proterozoic Yukon group.

¹ A mapping program, to complete Snag (115 J and 115 K E₂) and Aishihik (115 H) sheets was initiated by the Geological Survey in 1970. It is scheduled for completion in 1971.

basement complex, blocks of which also underly parts of central Dawson Range. Subsequent to the Klotassin plutonic event and probably beginning in early Tertiary time, a sequence of intrusive and extrusive events generated a variety of igneous products manifested as dykes, small stocks, and volcanic flow remnants. These rock types range from rhyolite and quartz porphyry through dacite to basalt. The host rock of the Casino copper-molybdenum mineralization - the 'Patton Hill dacite' is a representative of this younger (post-Klotassin) plutonic-volcanic activity, tentatively dated at 60 - 70 m.y.

The FIJI claims are largely overburden-covered, but small, prominent castellated outcrops are fairly regularly distributed throughout the claims area. Examination of a number of these exposures showed that they are uniformly massive, medium- to coarse-grained Klotassin hornblende granodiorite, fairly typical of the main intrusive member in Dawson Range. Due to frost reaving unmodified by glacial scouring the granodiorite typically forms distinctive castellated outcrop patterns.

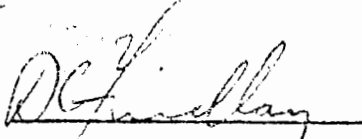
GEOCHEMICAL RESULTS (see also Appendix)

Six stream silt samples collected from the principal drainage streams from the FIJI claims area yielded only low background values for copper and molybdenum.

RECOMMENDATION

The FIJI claims are not recommended for option by your company.

Morrisburg, Ontario
October 16, 1970


D.C. Findlay F.G.A.C.

APPENDIX

GEOCHEMICAL RESULTS - FIJI CLAIMS

Stream Silt Samples *

(Refer to Fig. 1 for sample locations)

<u>Sample No.</u>	<u>Copper</u> (F.P.M.)	<u>Molybdenum</u> (F.P.M.)
FS-70 1S	14	Tr.
2S	8	"
3S	4	"
4S	10	"
5S	10	"
6S	10	"

* Analyses by Whitehorse Assay Office, hot extraction and A.A. technique

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Property Examination - FIJI Claims
Whitehorse M.D. Yukon Territory
September 22 - 23, 1970

STATEMENT OF COSTS AND EXPENDITURES

A. Helicopter Charter (Trans North Turbo Air Ltd.)

Bell 47G 3B-1 - 3.7 hr. @ \$150.00/hr. \$ 555.00

B. Fees and Expenses (D.C. Findlay)

Field - 1½ days @ \$150.00 \$ 225.00

Report, drafting etc. - 1 day @ \$114.30 114.30

Report duplicating - 3 X 8 pgs. @ \$0.25 6.00

Hotel, meals etc. (prorated) 30.00

375.30 375.30


C. Truck Rental (D.C. Findlay)

214 miles @ \$0.20/mile (prorated) 42.80

D. Geochemical Analyses (Whitehorse Assay Office)

6 Cu, Mo @ \$1.50 9.00

TOTAL \$ 982.10


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