

82E/4E

L49-119 SE.
Fair Fraction Mineral Claim.
Consolidated Mining and
Smelting Co. of Canada Ltd.
Swanson, C.O., Engineer.

0015

Geology of the Fair Fraction Mineral Claim,
located 7 miles west of Oliver, B. C., in the Osoyoos Mining Division.

Statement describing the work done

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During 1947 a geological examination was made of the Fair Fraction Mineral Claim under my general supervision. The work consisted of a plane table survey in the field and a compilation of the data in the form of the map attached to this report. Dr. G. Gilbert was in active charge and was helped by two geological assistants. The time spent on the Fair Fraction Mineral Claim was at least two days, and the expense of maintaining the party of three men is conservatively estimated at \$75.00 a day.

Geological Results

The attached map shows the surface contours and rock outcrops found on the ^{Fair}~~Fair~~ Fraction Mineral Claim and on adjacent ground. The interpretation is that the claim is entirely underlain by the Oliver granite mass, which intrudes the Kobau sedimentary series that lies a short distance to the south.

Locally the contact is about conformable to the strike of the beds. On a regional scale however, the mapping shows that the granite definitely truncates the sedimentary series, which is considerably thicker a short distance east of the claim.

The beds near the contact consist largely of argillite, with minor amounts of quartzite and at least one narrow but persistent band of limestone. Felsite dikes and sills form minor bodies within the argillites. The bedding in the vicinity of this claim strikes about N 60° W and dips 60° - 70° North.

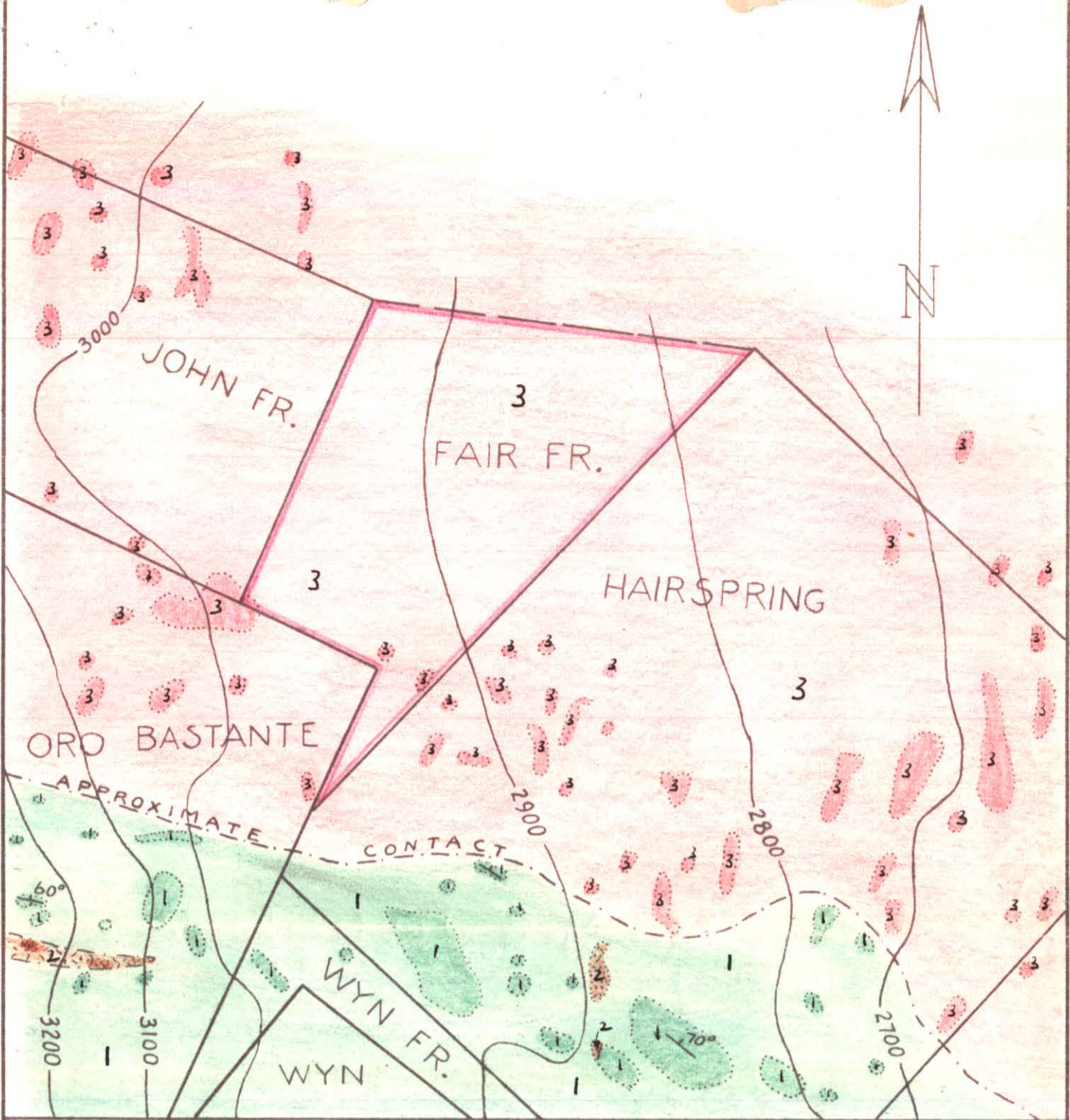
The granite underlying the claim lies along the south edge of the Oliver batholith. This body is part of the complex of Okanagan intrusives. Locally it is a fairly massive medium grained variety that has the composition of normal granite. Biotite is the chief mafic mineral and potash feldspars as the dominant felsic constituents.

COS:es
July 18th, 1947,
Trail, B.C.

C. O. Swanson.

C. O. Swanson,

CHIEF GEOLOGIST.



- 3 Oliver granite
- 2 Felsite
- 1 Kobau argillite

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

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MAP
NO. 15

DRAWN BY <i>G. G.</i>		TRACED BY <i>C. O. Swanson</i>		THE CONSOLIDATED MINING & SMELTING CO. OF CANADA LTD.	PROPERTY: <i>Fair Fraction</i>	
REVISED BY	DATE	REVISED BY	DATE		SCALE <i>1 in. 300 ft.</i>	DATE: <i>7/17/47</i>
				AREA: <i>Osoyoos M. D.</i>		