

NAME OF PROPERTY **RED BLUFF, FOX, OBSERVER (TOTAL)**

OBJECT LOCATED

UNCERTAINTY IN METERS

Lat. **55°33'**Long. **129°26'**Mining Division **Skeena**

District

Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The country rock is apparently an intrusive felsite, containing locally phenocrysts of augite, that has been sheared and so altered that in places its original characters are obliterated. The felsite has been impregnated with pyrite and lesser amounts of chalcopyrite. A sample representing both walls and face of a 30 foot tunnel on the Red Bluff group at elevation 3,025 feet assayed: Gold, trace; silver, 0.2 ounce a ton; copper, 0.2%. On the Fox group the main showing is a body of quartz and barite containing pyrite, chalcopyrite, sphalerite, galena, and fragments of country rock. It is probably a replacement in a brecciated zone. A sample across 2 feet of mineralization in an open cut assayed: Gold, trace; silver, 0.2 ounce a ton; copper, nil; lead, trace; zinc, 5.1%. On the Observer group the showings are similar to those found on both the Red Bluff and Fox groups. Open cuts on the Observer No. 7

see Card 2

Associated minerals or products of value - Silver, zinc, lead, barite, tungsten.

HISTORY OF EXPLORATION AND DEVELOPMENT

A number of claims have been staked between elevations of about 1,500 and 3,500 feet on the southerly sloping ridge, known locally as Red Bluff Mountain, between Washout and Gumas Creeks, 5 miles north-northeast of the community of Alice Arm.

The showings were staked prior to 1913, the several claims being grouped together under the name Red Bluff group; one of the owners was a Mr. Young. Exploration work to 1916 was done in open cuts and 2 short adits. In 1922 the property consisted of 2 Crown-granted claims, the Red Bluff (Lot 4259) and Devil's Club (Lot 4260), owned by J. McPhee of Butedale. By 1929 Mr. McPhee had expanded the Red Bluff group to 15 Crown-granted claims. A syndicate was reportedly formed during 1929 to carry out some development, however, no further work was reported.

The Fox and Observer claim groups, apparently located in about 1929, extend northward along the west side of Washout Creek. The Fox group of 7 claims and, adjoining on the north, the Observer group of 8 claims were owned by J. Flynn & associates of Alice Arm. Open cutting was done between elevations of 1,600 feet and 3,500 feet. Mr. Flynn was reported in 1943 to have found scheelite on the Washout Creek slope of Red Bluff mountain.

Nadina Explorations Limited optioned 37 claims covering the showings in 1964. In 1965 an agreement was reached with Northlodge Copper Mines Limited for exploration work on the property. Some work was reported in mapping, sampling, and trenching. Work was suspended in October 1965 and the claims reverted to Nadina. The option was subsequently given up.

The Total group (66 claims), covering the south slope of Gravel Top Ridge, and the northwest slope of Wilauks Mountain (Dak property), and surrounding the four Crown-granted Red Bluff claims, was owned in 1971 by D. Collison, of Alice Arm.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 65, 75, Geol. Surv. of Canada, 1935.

Reports of Minister of Mines, British Columbia: 1916, p. 70; 1922, p. 61; 1929, pp. 88, 89; 1967, p. 48.

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Divisions, Skeena District, B.C.; Memoir 32, p. 92, Geol. Surv. of Canada, 1913.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 56, British Columbia Dept. of Mines, 1943.

Mineral Development Sector; Corporation Files: "Nadina Explorations Limited"; "Northlodge Copper Mines Limited".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 123.

MAP REFERENCES

Map 307 A, Portland Canal Area, B.C., (Geol.), Sc. 1":
4 miles - accomp. Memoir 175.

Map 103 P, Nass River, B.C., (Topo.), Sc. 1:250,000.

REMARKS

103 P-P-130, 161, 162

Comp./Rev. By		DMacR					
Date	4-68	11-74					

NAME OF PROPERTY RED BLUFF, FOX, OBSERVER (TOTAL)

DESCRIPTION OF DEPOSIT (continued)

claim expose a siliceous replacement zone mineralized with veinlets and fine disseminations of chalcopyrite and pyrite. A sample across the $6\frac{1}{2}$ feet width of the showing assayed: Gold, trace; silver 0.1 ounce a ton; copper, 0.9%. Scheelite has been found on the Washout Creek slope (east side) of the property.

N.C. Carter, in G.E.M., 1971, describes the property as follows:

The area is underlain chiefly by fine-grained feldspar porphyry altered from hornblende or augite porphyry. The feldspar porphyry body is oriented in a north-south direction and is 3 miles long by 1 mile wide. It intrudes volcanic and sedimentary rocks, and is apparently a complex intrusion representing a volcanic centre related to Jurassic volcanism. The porphyry contains abundant disseminated pyrite and locally some chalcopyrite. Prominent gossans have developed on some of the steep slopes, most notably in the vicinity of the Red Bluff showings above Gumas Creek.