

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

GREENE'S PROSPECT

Wallowa County

Name: Copper Gem Group - 9 claims

Owner: H. D. Green and associates

Location: On Adams Cr., W. Fk Wallowa, S $\frac{1}{2}$ sec. 6, T. 4 S., R. 45 E. unsurveyed

Area: 9 claims

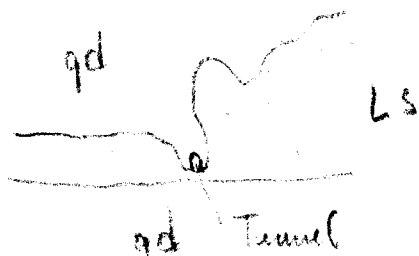
History: Located in 1906 by Green & Adams, 300' tunnel in gangue along contact; incorporated in 1907 or 1908 as the Copper King Group and Mt. Gem. ↗

went broke, laid idle. In 1921 Green & associates relocated as Gopper Gem Group.

Equipment: At tunnel #2 is a compressor, gas engine, drill steel and an air hammer.

Tools scattered around all cuts.

Geology: Property lies on the granite-limestone contact. Tunnel #2 at elevation 6150' was driven on a quartz "vein" or mass. Some of the quartz has large flakes (not books) of biotite. Limestone exposed at the face, about 25' inside. Quartz is barren of mineralization; tunnel #2 located in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of sec. 6.



Above and to the east, an aplite dike cuts the limestone and a 5' vertical band of solid garnet is developed. The east side of the zone is occupied by a basalt dike.

The garnet zone is reported by Green to continue on up the hill, so on the basis of this report it might be considered continuous (probable development of abrasive?) East of the basalt dike is a limonitic looking rock (test for scheelite). Farther east by N.E. around the hill slope to the limestone-granodiorite contact, Green's latest working, all caved. Green

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

-2-

reports about 5 tons of high-grade moly. on the dump but little was found. The granodiorite limestone contact is quite complicated, and it may be that a later magma injected along the contact, causing some "secondary" mineralization. The mineralization seen was all in the igneous rock. Epidote and garnets developed on a grand scale. Pyrite, chalcopyrite, and other copper minerals and occasional flakes of molybdenite. The dump material was heavily mineralized and is one of the best showings found.

Above the igneous is some 50 feet of metamorphic, a banded phonolite or hornfel, interbedded with lime, and overlain by ls. Not attempt at dip and strike as it was too variable.

As a suggestion, a later salic intrusion along the previous contact, caused high temp. alteration, and some mineralization.

Old Copper King Tunnel farther up Adams Cr. and to the south. Tunnel is 300 feet. Copper minerals exposed but no moly. Tunnel not worked for many years.

Recommendations: Further prospecting. The farthest N.E. prospect might be re-opened along old line to see if mineralization continues and to what depth.

RAY C. TREASHER.

State of Oregon
Department of Geology & Mineral Industries
Portland, Oregon
Earl K. Nixon, Director

Sec. 6-7 T. 4S R. 45E

Date 8/26/39

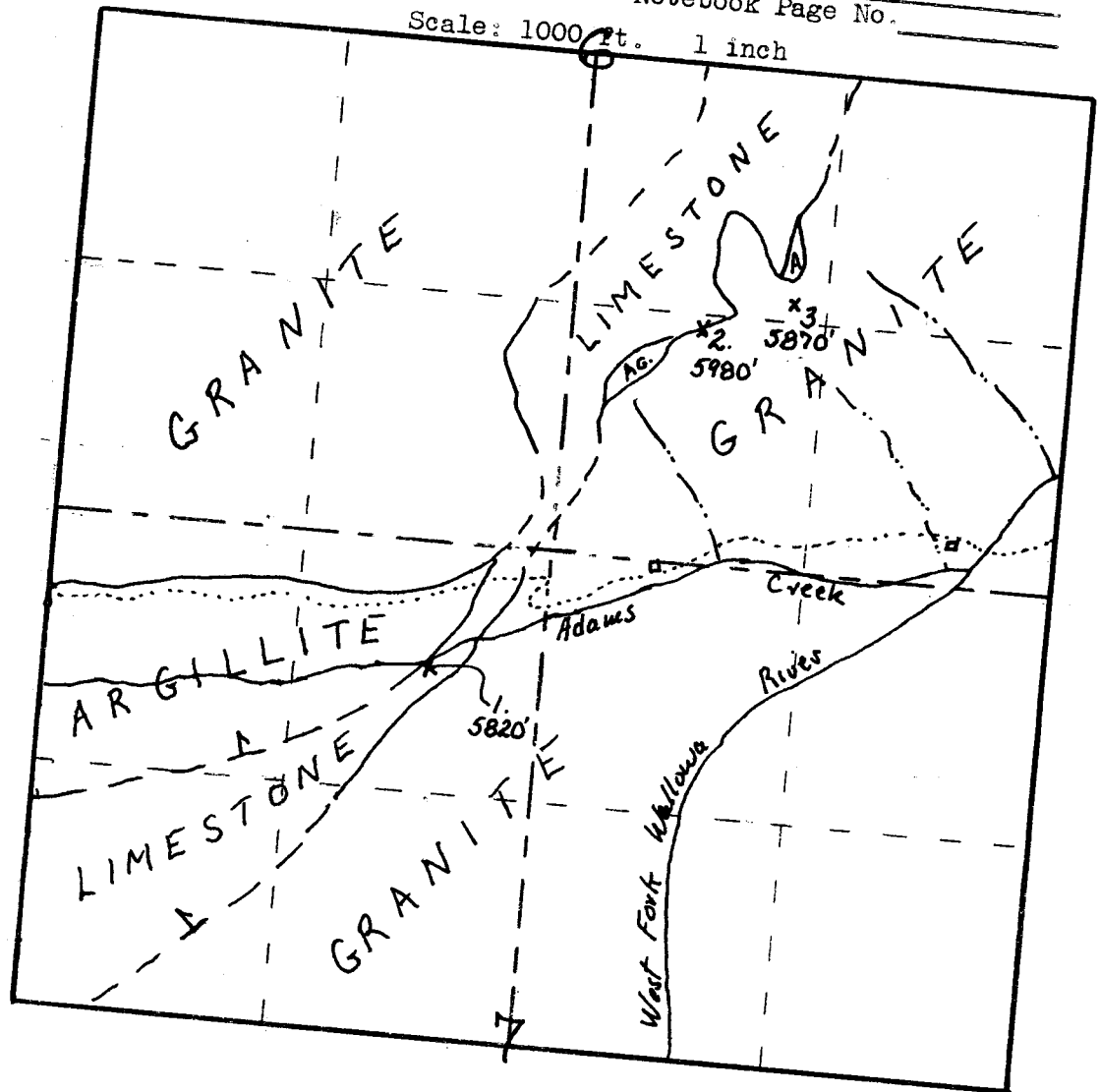
Name of Survey Tom Green Claims

County Wallowa

Quadrangle _____

Notebook Page No. _____

Scale: 1000 ft. 1 inch



Green Molybdenite Prospect

Wallowa District

Wallowa County

Owner: Tom Green, Joseph, Oregon

Location: Sections 6 and 7, T 4 S, R 45 E.W.M. An. 5500 to 6000'.

Area: Several unpatented lode claims, on Adams creek, near the mouth.

Development: One tunnel 135 feet long; several short drifts, north tunnel caved, length not known.

Geology: The prospects lie upon or near the contact of the granite with the argillite and limestone which it intrudes. The ore consists of red garnetiferous tactite with small amounts of chalcopyrite and epidote; or a green epidote tactite with patches and crystals of molybdenite. At one prospect cut (#2) a wide quartz dike is filled with phenocrysts of ~~angular~~ bladed mica, giving it a cross-hatched appearance.

(None of the ore bodies that were visible were large enough to permit large scale operations, and most of the ore was not of high enough grade to permit shipment.)

Miscellaneous: The deposit is located about 4 miles by trail from the head of Wallowa Lake and the end of the road. Water is abundant, as is timber. The season is rather short, snowfall deep.

Report by JEA and WDS and RCT (see Wallowa notes) 8/26/39

JEA

I 26
sec. 6, T. 45, R. 45 E
Aug. 9, 1938
Orest

T 40 on west fork Wallowa R.

Pacing starting at forest boundary.

0.6 - entering Eagle Cap Primitive Area.

1.0 creek coming in from east.

1.2 stream cascading in from west. Bridge across W. fork. Looks as if ls. comes down pretty well toward W. fork.

1.7 granodiorite on east of trail. Same across R., overlain by greenstone?, in turn by ls.?

1.83 creek from east.

1.88 " " "

2.16 " " "

2.22 trail turns right to cross W. fork + up Adams Cr.

2.3 cross W. fork. Steep Camp. 50' down stream. Horse bridge.

2.38 Cabin.

2.84 Green's cabin Elev. 5750'

Green's Prospect.

Wallowa County

Name Copper King Group - 9 claims.

Owner H. D. Green + Associates.

Location On Adams Cr., W. Fork ~~Wallowa~~ ^{Wallowa}, 5 1/2 sec. 6, T. 45, R. 45 E
unsurveyed. ~~OK~~

Area 9 claims

History: Located in 1906, by Green + Adams, 300' tunnel in gangue along contact; incorporated in 1907 or 1908 as the Copper King group, ^{and Mt. Green} west located, laid out. In 1921 Green + assn. relocated as Copper King Group

T 27

8/9/38

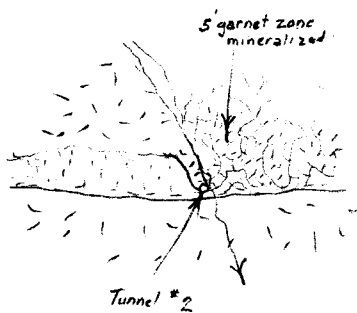
Treasure

Equipment at Tunnel # 2 is a compressor, gas engine, drill steel, and an air hammer. Tools scattered around all cuts.

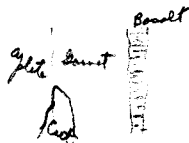
Geology Property lies on the granite-limestone contact.

Tunnel # 2 at Elev. 6150' was driven on a quartz "vein" or mass. Some of the qtz has large flakes (not books) of biotite. Limestone exposed at the face, about 25' inside. Quartz is barren of mineralization; ~~and it is barren of mineralization.~~

Tunnel # 2 located in SW 1/4 of SE 1/4 of sec. 6. Specimen T # 1 a.



Above and to the east, an aplite dike cuts the limestone and a 5' vertical band of solid garnet is developed. The east side of the zone is occupied by a basalt dike. The



garnet zone is reported by Green to continue on up the hill, so on the basis of this report it might be considered continuous (probably development of abrasive?)

East of the basalt dike is a limonitic looking rock. (test for schalite.)

T # 1 b.

Further east by N.E. around the hill slope to the limestone-granodiorite contact, Green's latest washing, all saved. Green reports about 5 tons of hi. grade moly on the dump but little was found. The granodiorite limestone contact is quite complicated, & it may be that a hot later magma injected along the contact, causing some "secondary" mineralization.

I 28
8/9/38
Oreash

The mineralization seen was all in the igneous rock. Epidote + garnets developed on a grand scale. Pyrite, chalcopyrite, + other copper minerals, and occasional flake of molybdenite. The dumpy material was heavily mineralized + is one of the best showings found.

Above the igneous is some 50 feet of metamorphic, a banded phonolite or hornfels, interbedded with lime, and overlain by ls. Not attempted at dip + strike as it was too variable.

As a wild suggestion, a later saline intrusion along the previous contact, caused high temp. alteration, + some mineralization.

Old Copper King tunnel further up Adams Cr. + to the south. Opened in 300 feet. Copper minerals exposed but no moly. Tunnel not worked for many years.

Recommendations further prospecting. The farthest N.E. prospect might be re-opened along old line to see if mineralization continues + to what depth.

Ray C. Oreash