

State Department of Geology and Mineral Industries

Wm  
PSM

702 Woodlark Building  
Portland 5, Oregon

RECEIVED  
DEC 24 1948  
STATE DEPT OF GEOLOGY  
& MINERAL INDS.

Copperopolis Lode Claims (6u)

Quartzburg District  
Grant County

Owner: Lee and Mabel Payton, Monmouth, Oregon

Location: T 12 S; R 33 E; Section 1. Nine miles of access road reach to within 1.5 miles of the property, but the access road traversing this latter stretch is no longer usable. Elevation 5200'.

Area: One and a fraction claims patented as the Copperopolis Consolidated Lode Claims. 36.56 acres are involved. The Patent number is 39398, Mineral Survey number 473.

General: The historic and geologic coverage of this property remains the same as per reported in Dogami 14-B as no significant development work has been done in recent years. This report is offered by way of correcting the location given in the Dogami report and supplying missing ownership and claim data. Also it is desired to call attention here to the abundant development of tourmaline which is reported in vein widths of as much as 30 to 40 feet as this might merit investigation for possible associated minerals of the rare-earth and radioactive sort.

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Report by: N. S. Wagner  
Date of Exam: Dec. 6, 1948  
Property not Visited: Informant ~~Earrel~~ Anderson  
Published References: Lindgren, Gold Belt of the Blue Mountains, 1901, p.711  
U.S.G.S. Bull 846-A  
Dogami, 14-B, p. 113

Monmouth Ore  
Feb. 26, '60.

State Dept of Geology  
Portland, Ore.

Dear Sirs:..

Last fall after some dozing and  
a short tunnel about 22 inches of ore  
assaying 25 to 27% copper - 10 oz. silver  
and .44 gold was found at the Copperopolis  
mine which is in Grant Co. about 7 1/2 miles  
north of Prine City.

Yours truly,  
Lee Payton  
718 E Main St.

CC WAG

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FEB 29 1960

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## COPPEROPOLIS CLAIMS.

### QUARTZBURG DISTRICT COPPER VEINS

The *Copperopolis claims* are located on the west side of the canyon, about a mile above the Standard. The development consists of several cuts and tunnels. An 800-foot tunnel from the creek level taps the lode 300 feet below the croppings. The development of this level shows a large irregular chimney-like body of massive quartz containing tourmaline and chalcopyrite. The total copper-bearing width at the surface is about 40 feet. It can be traced for about 1,000 feet. The ore is largely a replacement of the country rock by quartz, tourmaline and chalcopyrite, but in the rock are richer seams of comb quartz and chalcopyrite. The presence of tourmaline indicates magmatic mineralizers and a high formation temperature. Some 250 tons of ore was milled in a small concentrating mill upon the property, which closed down in 1906.

*J. W. Dunn*