

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

COOS COUNTY

Coos Bay Mining District

Memorandum report on the Guerin manganese deposit (Manganese in Oregon: Oreg. Dept. of Geol. & Min. Ind. Bull. No. 17, p. 31)

Owner: C. V. Guerin
Bridge Route, Box 26
Myrtle Creek, Oregon

Area: Deeded land

Location: Center sec. 22, T. 29 S., R. 12 W.

History: No change from the report in Bulletin 17.

Geology: The information given in Bulletin 17 was confirmed. However, the former report neglected to state that the area of the chert outcrop is one of intense landsliding. It appears that landsliding has affected the deposit so that the chert lens is divided into two main blocks. The main mineralization apparently is confined to the lower block near the lower side.

Another chert lens at the top of a ridge approximately $\frac{1}{2}$ mile, N10E from the lens noted above was investigated. Chert, mainly white, was exposed as float and scattered outcrops over a distance of 100'-150'. Some manganese oxide staining was seen. One very small cut showed a minor amount of manganese oxides in banded red chert.

Another large chert lens in the SW $\frac{1}{4}$ of sec. 23, T. 29 S., R. 12 W. was investigated but no manganese mineralization was found.

Samples: The following samples were taken at the time of the visit:

<u>Sample #</u>	<u>Sample location</u>	<u>Assay results</u>
P-10467	Sorted ore from dump in front of small cut. Approximately 500 pounds on dump.	Mn - 12.24%
P-10468	8' chip sample along top of portal of caved tunnel(?). 20' east and 5' lower than P-10467.	Mn - 0.50%
P-10469	4' chip sample from face of cut 3' wide, 20' long, 15' high at face. 20' vertically above P-10468.	Mn - 9.74%

Report by: H. M. Dole

Date of visit: October 9, 1950

Visited by: F. W. Libbey, H. M. Dole

References: Oreg. Dept. of Geol. & Min. Ind. Bulls. 17 & 27.

State Department of Geology and Mineral Industries Ad
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Portland, Oregon

Summary of Characteristics:
Manganese stained cherts are found over considerable area, and in some places, manganese oxides are concentrated into masses. The grade of manganese is low, siliceous material is abundant and the ore would require concentration. Outcrops do not show sufficient manganese to justify a concentrating plant for this property. The widespread occurrence of manganese oxides suggests that thorough prospecting might develop sufficient ore, but at present the prospect is not promising.

Owner: C. V. Guerin, 1227 "D" St., Marysville, California.

Location: Center sec. 22, T. 29 S., R. 12 W., about 3 miles southeast of Myrtle Point, along a southwest trending ridge at an elevation of 500 to 900 feet.

Area: Deeded land

History: A few years ago, a group of California men took an option to develop the manganese. An open cut on the ridge exposed manganese oxides, so a tunnel was driven from a lower elevation, 130 feet to cut the manganese body. No ore was encountered and work was discontinued.

Development: A tunnel, 130 feet long, now caved at the portal, was driven northeasterly. Above the tunnel, an open cut two feet wide, 20 ft. long, and 10 ft. high at the back explored an outcrop. Many shallow pits can be found along the ridge.

Geology: According to Diller, the country rock is Cretaceous Myrtle formation (Jurassic Franciscan?), cut by a pod of amphibole schist. The only rock observed during the field inspection was a chert, colored rose to green to blue, stained along fracture planes with manganese oxides. Where exposed, the manganiferous chert appeared to be in layers between non-manganiferous cherts. Soft black oxides are superficially concentrated at the surface. The general trend of the manganiferous outcrops is N. 20 E., and the attitude seems to be vertical.

If the ore on the tunnel dump is an indication, no manganese was encountered in the tunnel. The superficial concentration at the surface, the low-grade of the manganiferous chert, leads to the conclusion that while the total amount of manganese may be large, its grade will be too low to permit even economical concentration for a commercial product.

A sample across the face of the open cut above the tunnel represent the most favorable ore seen in place. Analysis by A. A. Lewis indicates:

Manganese:..... 10.9 %
Insoluble:..... 70.6 %

Informant: Ray C. Treasher, May 8, 1941.
Report by: RCT 5/16/41.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

BG-438

Grants Pass, Oregon
~~Baker, Oregon~~

May 16 19 41

Sample submitted by Ray C. Treasher, Field Geologist--State Department of Geology and Mineral Industries

Sample description: Sample from property of C. V. Guerin. Altered sedimentary rock containing a small amount of manganese oxide. 6 lbs. 3 inches and smaller.

The assay results recorded below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results recorded below are from a sample furnished by the above named person. This Department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		Manganese		Insoluble		Total Value
	Ounces per ton	Value	Ounces per ton	Value	Percent	Value	Percent	Value	
					10.9		70.6		

Market Quotations:

Gold \$55.00 per oz.
 Silver \$.70 per oz.
 \$ per lb.
 \$ per lb.

STATE ASSAY LABORATORY

Albert C. Lewis
 Assayer

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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	Ounces per ton	Value	Ounces per ton	Value	Percent	Value	Percent	Value	
					10.9		70.6		

Market Quotations:

Gold \$35.00 per oz.
Silver \$.70 per oz.
\$ per lb.
\$ per lb.

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Albert C. Lewis
Assayer.