

State Department of Geology and Mineral Industries

File as: Floras Creek
MANGANESE

(Curry County
Sixes River Mining Dist.)

702 Woodlark Building
Portland 5, Oregon

Memorandum report on reconnaissance up Floras Creek road from U.S. 101 to half a mile beyond Floras Creek bridge.

G.M.I. Short Paper No. 9 states that "The Floras Creek area contains many chert lenses, several of which enclose known manganese deposits. . . ." This reconnaissance was made to see if any chert outcropped along the road. Only one barren lens was found.

Near the section line common to secs. 5 & 6, T. 31 S., R. 14 W., and in a large cut where the road is high above Floras Creek, an arenaceous shale was exposed which had considerable manganese oxide staining along the fractures. The staining was no more than a very thin film. Diller (U.S. Geol. Survey, Geologic Atlas #69, Port Orford Folio) maps this area as Myrtle formation. The lithology and mineral assemblage in hand specimen of this shale was similar to the Knoxville shales in the Riddle area.

Just north of the bridge across Floras Creek in sec. 3, T. 31 S., R. 14 W., is a fairly large borrow pit in a greenish buff shale. Manganese oxide and chlorite(?) staining is prominent along the fractures in the shale. A chip sample taken across a width of about 20' near the base of the borrow pit showed 0.23% Mn and a trace of copper (P-10474).

Approximately half a mile west of the bridge (downstream) on a private road a small chert lens outcrops. No manganese oxide or rhodonite was found.

Approximately half a mile east of the bridge (upstream) a reported occurrence of manganese was investigated. This outcrop was determined as black serpentine in an area of landsliding.

Report by: H. M. Dole

Date of visit: October 10, 1950

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

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

DEMENT CREEK MANGANESE (Mn)

Coos Bay District

Coos County

Owners: Wallace Dement
Broadbent

Tony Barkley
Broadbent

Howard Barkley
Myrtle Point

The outcrop is on the land of Wallace Dement; Tony and Howard Barkley have a 1/3 interest in the mineral rights.

Area: On deeded land.

Location: Near the section line common to secs. 18 & 19, T. 30 S., R. 12 W., 100' southwest of the Dement Creek road and approximately 500' east of Dement Creek, a tributary of the South Fork of the Coquille River.

The prospect is 4 miles south of Broadbent by graveled road. The Southern Pacific Railroad, Powers spur, goes through Broadbent. By logging road the railroad is approximately 2 miles away.

Topography: The area surrounding the deposit is one of low, maturely dissected hills and ridges with broad alluviated stream valleys.

The deposit is on a fairly steep hillside at an elevation of about 100'.

A heavy brush cover makes the area difficult to prospect.

Geology: The deposit is in a chert lens, the strike of which is N20E. Ore minerals are manganese oxides; these are found as stainings along fractures and as minor disseminations and replacements of the chert. Red, green and white chert are present and all are badly fractured. Some layering, in 4" to 10" beds, was noted but most of the exposure was massive. From the exposures seen it appeared that the manganese oxide replacement and dissemination was limited to the red chert.

Chert float and occasional outcrops were found along the hillside for a distance of 150' to 200'.

According to the Port Orford folio (U.S. Geol. Survey Geologic Atlas 89) the rocks in the Dement Creek area are mainly of the Myrtle formation with minor amounts of amphibole schist, serpentine and basalt flows and necks.

Development: No real development work has been done; only one small 2' x 4' cut has been dug into an outcrop.

It is likely that surface exploration work would indicate the limits of the chert lens and possibly would show other zones of manganese oxide enrichment.

Samples: Three samples were taken. Assay results and locations are as follows:

<u>Sample #</u>	<u>Sample location</u>	<u>Assay results</u>
1 P-10464	From east trending shallow cut. North side, at face. 12" left side.	4.45% Mn
2 P-10465	From east trending shallow cut (same as #1). North side, at face. 18" right side.	10.09% Mn
3 P-10466	Float below chert outcrop 150' north of Samples 1 and 2.	9.58% Mn

Report by: H. M. Dole

Date of visit: October 9, 1950

Date of report: October 20, 1950

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

Informant: Tony Barkley

References: U.S. Geol. Survey Geologic Atlas 89, Port Orford folio,
by J. S. Diller.

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Memorandum report on the Colgrove manganese deposit (Manganese in Oregon: Oreg. Dept. of Geol. & Min. Ind. Bull. No. 17, pp. 38-39; Some manganese deposits in the southern Oregon coastal region: G.M.I. Short Paper No. 9, pp. 5-6.

Owner: Delmar Colgrove
Brookings, Oregon

Location: Deposit #1 - NW $\frac{1}{4}$ sec. 2, T. 40 S., R. 14 W. on the South Fork of Whalehead Creek.

Deposit #2 - NW $\frac{1}{4}$ sec. 3, T. 40 S., R. 14 W. on Whalehead Creek 1 $\frac{1}{4}$ miles west of deposit #1.

Bulletin No. 17 states that "Many manganese outcrops are found in this locality...." but does not refer to them separately.

History: Nothing to be added to that noted in Bulletin No. 17.

Geology: Deposit #1 is found in a chert lens. The occurrence as described in G.M.I. Short Paper No. 9 was confirmed. The chert lens in which the mineralization was found is cut by Whalehead Creek. Whether or not the chert lens on the south side of Whalehead Creek is a split in the lens, and whether or not the chert south of Whalehead Creek contains appreciable manganese mineralization was not determined.

Deposit #2 is exposed by a 30' x 30' x 10' outcrop just south of and bordering a jeep road which runs along the north bank of Whalehead Creek about half a mile from the ocean. Scattered outcrops and large boulders of float are found north of the road on the hillside above the large outcrop for a distance of at least 250' to 300'. The manganese mineralization in the large outcrop is found in two bands of red chert that are about 10' wide and in a basic igneous rock 10' wide that divides the chert. In the outcrops and float above the road the manganese mineralization appears to be confined to the basic igneous rock as no chert was found. The extent of the mineralized basic rock was not determined.

Development: A very minor amount of development work with a bulldozer was done on deposit #1 and no development work has been done on deposit #2. Because of the heavy cover of soil and brush considerable development work must be done before the character of these two deposits can be determined.

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

Deposit #1

<u>Sample #</u>	<u>Sample location</u>	<u>Assay results</u>
P-10478	11½' chip sample along cut in chert lens.	Mn - 8.81% Si - 68.52%
P-10477	5½' chip sample across 2"-4" bands of manganese-stained red chert. 15' SE of P-10478 and on west side of chert lens.	Mn - 1.40%
P-10476	Picked representative pieces from lower part of chert lens and bordering the creek. 30' south of P-10477.	Mn - 7.30%

Deposit #2

<u>Sample #</u>	<u>Sample location</u>	<u>Assay results</u>
P-10479	8' chip sample from the chert to the west of the basic igneous rock.	Mn - 1.8 % Si - 57.3 %
P-10480	6' chip sample from chert to the east side of the basic igneous rock.	Mn - 2.5 %
P-10481	From manganese-stained basic igneous rock between P-10479 and P-10480.	Mn - 2.2 %
P-10482	Rind (8" thick) on 2' boulder of manganese-stained basic igneous rock. The core of this boulder is P-10483, a petrographic description of which is given. This boulder was found as float about 200' north of P-10481.	Mn - 2.5 %
P-10485	Representative pieces from outcrop at top of low hill approximately 250' north of P-10481.	Mn - 2.3 % Si - 60.34%
P-10484	Specimen sample west and downhill from P-10485.	Mn - 1.05%

Report by: H. M. Dole

Date of visit: October 11, 1950

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

Informant: Delmar Colgrove

References: G.M.I. Bull. #17, G.M.I. Short Paper #9.

On the next page is a petrographic description on a thin section cut from the core of a 2' manganese-stained boulder. P-10482 is an analysis on the outer portion of this sample. This is sample P-10481.

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Memorandum report on McAdams Manganese (Manganese in Oregon: Oreg. Dept. of Geol. & Min. Ind. Bull. No. 17, pp. 31-32; Some manganese deposits in the southern Oregon coastal region; G.M.I. Short Paper No. 9, pp. 1-5)

*Curry Co.
Sedus River Dist.*

Mostly Coos Co

Owner: James C. McAdams, Langlois, Oregon

Location: SE $\frac{1}{4}$, NE $\frac{1}{4}$, sec. 20, T. 30 S., R. 14 W.

History: In addition to the production noted in G.M.I. Short Paper No. 9 it has been reported that W. E. Marrion, Coquille, shipped about 80 tons of manganese ore to the Metals Reserve Ore Purchasing Depot at Coquille early in World War II from this deposit. At least three lots of these shipments averaged around 38% manganese. The total production of this deposit, then is around 280 tons.

Geology: This investigation did not find anything that would conflict with the information given in G.M.I. Short Paper No. 9.

Development: There is one large pit and several smaller pits within the slump zone in which the ore is found. Bulldozer roads zigzag up the hillside where a few pits have been dug. All workings show considerable sloughing.

Manganese pebbles and boulders are seen in some of the trenches and along parts of the road. The quantity of pebbles and boulders of ore exposed varies widely but is the greatest where sheet and rill erosion have washed away some of the soil. How much ore remains is unknown.

The mile of road leading to the deposit from the Bethel Creek road is not usable now for motor transportation.

Samples: A grab sample was taken to indicate the type of ore that might be obtained by sorting. Results of the analysis on the sample (P-10470) are as follows:

Mn - 24.24%

Si

Report by: H. M. Dole

Date of visit: October 10, 1950

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

References: Bull. No. 17, G.M.I. No. 9.

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*Coos Co.
Coos Bay Area*

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.

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Floras Creek Manganese

Curry County
Sixes River Dist.

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