

# 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.