

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

HARRINGTON LIMESTONE

Umpqua Area

SUMMARY - Limestone outcrops over an area of 500 300 ft. It analyzes 97.6% CaCO_3 and 2.4% insoluble. No work has been done to open the deposit. The deposit has a fair quarry site; 1/2 miles of road to build; and about a 6-mile haul to railroad siding.

GENERAL -

Owner: - W. K. Harrington, Roseburg, Oregon

Location: SW $\frac{1}{4}$ section 21, T. 28 S., R. 5 W., about 1/2 mile east of the old Oregon-Portland-Cement Co. quarry.

Area: Property ownership on 280 acres.

History: Property investigated in 1912 with the view of starting a cement plant. A report by W. Michaelis, indicated quality of limestone was satisfactory, and that shale from the vicinity was O.K. Cement plant was recommended.

Development: None

Transportation: About 1/4-1/2 mile of road to be constructed to base of quarry site. Gravelled country road 4 $\frac{1}{2}$ miles to S.P.R.R. or 7 miles to siding at Carnes. Old railroad grade to O.P. Cement Co. quarry still exists. Additional 3 miles of grading and a total of 7 miles of steel, etc., would be necessary.

GEOLOGY -

Topography: - Relief of the area is about 1000 ft. The deposit is 2/3 of the way up the hillside, or 700 ft. about stream level, at an elevation of 1500 ft. Hillsides have an average 20° slope; they are densely covered with brush (poison oak) and second growth.

Geology: - The country rock, according to Diller, is Myrtle cretaceous frm., now provisionally assigned to the Franciscan (Jurassic). Lenses of limestone with a NE-SW strike are recorded as the Whitsett limestone. The area considered is soil covered and limestone forms the principal outcrops. One sandstone float boulder was found.

Limestone is exposed over an area of 500 ft. 300 ft. with the long dimension trending N. 45° E. At the SW. the outcrops form 25 ft. cliffs. Otherwise the outcrops are discrete masses, presumably in place, but there is a reasonable possibility that they are float boulders. The limestone appears to be uniform in quality; it is medium grained with some brecciated areas; color is dark gray with streaks of white calcite.

The areal exposure indicates a quantity of limestone of 110,500 tons per foot of depth.

Informant: R. C. Treasher 6/11/41
Report by: " " 6/14/41

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Report by: Ray C. Treasher
Date of Visit: June 14, 1941
Jan. 19, 1943

See also C.F.
Umpqua Unclassified area.
Douglas County.

HARRINGTON LIMESTONE

Summary: Limestone outcrops over an area of 500 x 500 ft. It analyzes 97.6% CaCO_3 and 2.4% insoluble. No work has been done to open the deposit. An estimate of $\frac{1}{2}$ million tons is considered optimistic. The deposit has a fair quarry site; there is $\frac{1}{2}$ miles of road to build; and about a 5 mile haul to railroad is indicated, but a siding would be required.

Owner: W. K. Harrington, Rosebrug, Oregon.

Location: SW $\frac{1}{4}$ sec. 21, T. 28 S., R. 5 W., about $\frac{1}{2}$ mile east of the old Oregon-Portland-Cement Co. quarry.

Area: Property ownership on 280 acres.

History: The property was investigated in 1912 with the idea of starting a cement plant. A report by W. Michaelis, indicated that the quality of the limestone was satisfactory, and that the shale from the vicinity was satisfactory for cement manufacture and recommend^{ed} that a cement plant be built. In 1941 efforts were made to interest various people in opening the property to produce limestone for paper mills and for agricultural use.

Development: None.

Geology: The country relief of the area is about 1000 ft. The deposit is $\frac{2}{3}$ of the way up the hillside, or 700 ft. ^{above} ~~about~~ stream level, at an elevation of 1500 ft. Hill-sides have an average 20° slope; they are densely covered with brush (poison oak) and second growth. The lower portion of the limestone is at elev. 1260 feet and the upper portion at 1400 feet.

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The country rock is Myrtle formation which includes areas of Whitsett limestone. (Diller 98). Diller assigned the Myrtle formation to the Cretaceous but later work indicates that part of the Myrtle may be Upper Jurassic in age. At the Harrington locality, the limestone strikes northeast-northwest, and is represented by all the outcrops. One sandstone float boulder was found.

Limestone is exposed over an area of 500 ft. x 300 ft. with the long dimension trending N. 45° E. At the southwest the outcrops form 25 ft. cliffs. Otherwise the outcrops are discrete masses, presumably in place, but there is a reasonable possibility that they are float boulders. The limestone appears to be uniform in quality; it is medium grained with some brecciated area; color is dark gray with streaks of white calcite.

At the northeast end of the deposit, same elevation, is the lower edge of the mine outcrop and about 200 feet northwest is another smaller outcrop about 75 feet in diameter. Float between the two outcrops is all sandstone, so this small outcrops may be an isolated lens.

These outcrops are in a lens northeast of, and just over a low ridge from, the Old Oregon-Portland-Cement quarry. The Harrington limestone deposit may be a continuation of this same lens zone, but not in the same lens as sandstone outcrops it.

Informant: Forbes Wilson and RCT

1/19/43

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1069 State Office Building
Portland 1, Oregon

Memo Report

J. HATFIELD LIMESTONE

Douglas County
Umpqua (Unclassified)

Owner: Julian Hatfield.

Location: NW $\frac{1}{4}$, NE $\frac{1}{4}$ sec. 22, T. 28 S., R. 5 W., about $\frac{1}{4}$ mile southwest of the Whitsett limestone occurrence southeast of Roseburg.

Geology: This occurrence is one of the narrow lens shaped limestone masses in the northeast trending belt southeast of Roseburg in Douglas County. It is exposed on a south facing slope in a roughly triangular shape. Outcroppings are not entirely continuous but the whole body is about 100 feet wide and 150 feet long. The apparently steeply dipping mass strikes N. 35° E. and is aligned with the Whitsett limestone occurrence just to the northeast.

Coarse to medium-grained graywacke sandstones outcrop on either side and some may be interbedded with the limestone.

The limestone is dark gray with lighter veinlets of crystalline calcite that has filled fractures in the rock. Fossil fragments and small rounded spots that resemble microfossils can be seen in some parts of the limestone.

A composite chip sample (SG-84, 3/27/58) from the whole outcrop shows a 93.42% CaCO_3 content.

Visited: March 26, 1958.

Report by: N. V. Peterson—4/15/58.

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APR 15 1958
STATE DEPT. OF GEOLOGY
& MINERAL IND.

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HARRINGTON LIMESTONE

Umpqua Unclassified area.
Douglas County.

Economics: Computing tonnage, an area 500 x 300 has 150,000 sq. ft., which at 20 cu. ft. per ton, represents 7500 tons per ft. of depth. Should the deposit be 100 ft. thick, the maximum tonnage would be 750,000. Allowance must be made for impure streaks, etc., so it is doubtful if the maximum can be over ~~1/2 million tons~~, on the basis of available information at this date.

Two other, but smaller limestone areas are reported to the northeast.

The 500 x 300 area was sampled by taking fresh pieces from each outcrop and it is considered that this sample will be a fair estimate of quality. The analytical results was done by A. A. Lewis, State Assay Laboratory, Grants Pass.

Transportation: About 1/2 mile of road to be constructed to base of quarry site. Gravelled country road 4 1/2 miles to S.P.R.R. or 7 miles to siding at Carnes. Old railroad grade to O.P. Cement Co. quarry still exists. Additional 3 miles of grading and a total of 7 miles of steel, etc., would be necessary.

Mileage Record:

Total Miles Miles

0.0 0.0 Federal Bldg., Roseburg, South on Hwy. 99 to Kelly's Korner (Red & White store, Standard service). Sign board says "Myrtle Creek 17 miles; Dixonville left (east) 14 miles." Paved.

1,200,000

F.W.L.

APPROX 12,000 TONS PER FT. OF DEPTH

12.5

1,200,000

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Total Miles Miles

5.1	5.1	Kelly's Korner. Turn left, Dixonville road, gravelled.
6.1	1.0	Carnes; turn left on Dixonville road and cross R.R.
6.7	.6	Forks; turn left on Dixonville road and cross creek. Road to the right says "Glengarry".
8.35	1.65	Forks; turn left on Dixonville road. Road to right goes to Oregon Portland Cement Quarry, now abandoned.
10.70	2.35	Forks; straight ahead on road marked "Clark's Branch". Road to left goes to Dixonville.
11.80	0.50	STOP. Gate on right (west)

Go thru gate and along dim road, cross small creek and up to abandoned house. Take a trail (old road) up the hill back of the house to a point 450 feet in elev. above the gate. Limestone is up the hill to the left (southwest).

Elev. at gate 800 feet.
Elev. lower part of lime 1260 feet.
Elev. upper part of lime 1400 feet.

Ray C. Treasher
Field Geologist
January 25, 1943

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