

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland 5, Oregon

## COASTAL SANDS TRIP, JULY 11-13

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The object of the sampling trip along the coastal sand areas was to obtain representative samples of sand for Mr. Raymond B. Ladoo, consulting engineer for the Portland Chamber of Commerce. It was necessary to determine nearness to adequate transportation facilities as well as adequate tonnage.

The sands of the Clatsop beaches were examined first.

Sample #1 was taken from the first dune opposite the Ocean Hotel in Gearhart and about 40 feet above sea level.

Sample #2 was taken about one mile from Sample #1 along a paved road that extended northward from the Ocean Hotel at Gearhart about  $3/4$  mile to a golf course and then eastward past the location of Sample #2 to the highway. An excavation in the third dune ridge just south of the road and a short distance from the highway exposed an excellent section of clean sand from which the sample was taken.

Sample #3 was taken just west of the small village of Sunset Beach which lies west of an entrance to the Astoria Golf Course a few miles north of Gearhart. The sample was from the second dune ridge.

All the sands from the Clatsop beaches were more angular than those farther south.

Sample #4 was obtained .2 mile west of the coastal highway on the road to Manzanita Beach. The volume at this point is not exceptionally large nor is the railroad at Wheeler particularly close.

Samples #5A and 5B came from a point a few hundred yards west of the main highway beneath telephone lines that went out to the dune area 2.9 miles north of the Eugene-Coastal Highway junction in the north end of Florence. 5A is from the live dune and 5B from a nearby stabilized dune.

Sample #6 was taken from a live dune area just west of the highway at a point 2.5 miles north of the bridge over the outlet to Tahkenitch Lake.

Sample #7 was obtained from a stabilized dune west of the highway and north of the Highway bridge over Ten Mile Creek.

Sample #8 was taken from a live dune just west of Hauser's siding a few miles north of Coos Bay. This locality is very favorably located in relation to railroad and there is an adequate volume of sand. The south end of this dune area is adjacent to North Slough and favorably located for both barge and railroad shipment.

The Defense Plant Corporation was visited and samples of Humphrey and Krome Corp. primary concentrates obtained. A sample of the zircon-rich tailings was also taken. The deposit of the Krome Corp. in sec. in the Seven Devils region was visited.