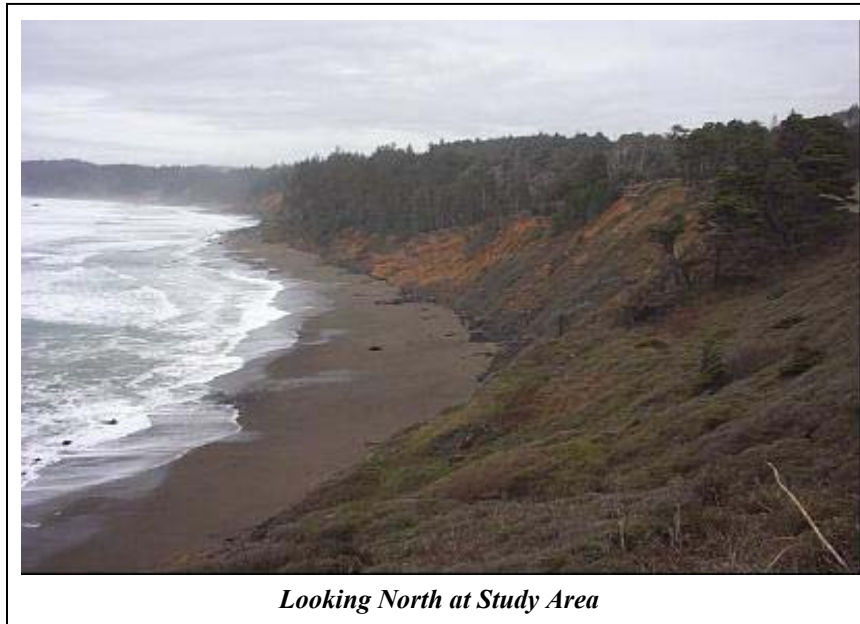




Rocky Creek Section 103 Shoreline Erosion Study

The Corps of Engineers, Portland District is currently conducting a feasibility study of shoreline erosion along the Oregon coast within the vicinity of Rocky Creek. The project area is located about 2 miles south of Port Orford, Oregon, which is approximately 220 miles southwest of Portland. Approximately 2,000 lineal ft of U.S. Highway 101, which is the major highway along the Oregon coast, is affected by progressive failure of a 60-foot high bluff. Causes of bluff instability are related to water drainage over and through the face of the bluff, due to groundwater seepage and surface runoff, and by erosion of the bluff toe caused by elevated water levels and waves. The bedrock surface is inclined toward the ocean and is overlain with terrace deposits of moderately cemented silty sand to sandy silt. The contact between these two surfaces is exposed at or slightly above the intersection of the toe of the bluff and the foreshore of the beach. Storm wave erosion at the shoreline erodes both the terrace material and the bedrock. This erosion, in addition to the groundwater traveling between the two surfaces, encourages sliding of the terrace deposits.



Looking North at Study Area

WEST Consultants, Inc. has been contracted by the Portland District to perform the coastal engineering analyses and to develop preliminary design alternatives to protect the bluff from coastal erosion. The various tasks include problem identification, data collection and analysis, prioritization of the project area into separate reaches of required toe protection, development and design of alternatives for protection of the toe, and selecting the best alternative for optimization. The recommended alternative will be selected based on cost, environmental compliance, and function.

Project Owner:

*U.S. Army Corps of Engineers, Portland District
333 S.W. First Avenue
Portland, Oregon 97204
Contact: Mr. Hans R. Moritz
(503) 808-4864*

Completion Date:

In Progress