

COLUMBIA RIVER - Riverbank Restoration

Year Constructed
2009

Client
Private Landowner

Reinforcement
Geogrid

Engineer
PBS Engineering
& Environmental

Project Partner
Sunmark Environmental
Services, LLC

+ Project Snapshot

Along the Columbia River, continual erosion was causing the river bank to lose over 18" per year. For this homeowner, they were losing property and their landscaping so they looked for a soft armor solution to restore the riverbank. Additionally, several small springs were adding to the erosion and needed to be addressed to create a long-lasting solution. This area was of cultural significance as it was utilized by many Native American Tribes throughout history. An archeologist had to be on-site during construction to monitor and identify any significant historical items found. There was limited access to this site so all construction activities had to take place from a barge. Envirolok was the perfect solution due to its easy installation, slope stabilization, and quick vegetation. In combination, root wads were included to reduce water energy and promote habitat improvement. Geogrid was used to reinforce the slope and once installed and vegetated, the system has held strong and provided the soft armor solution to this residence's erosion control problems.

