

Bank Erosion Projects

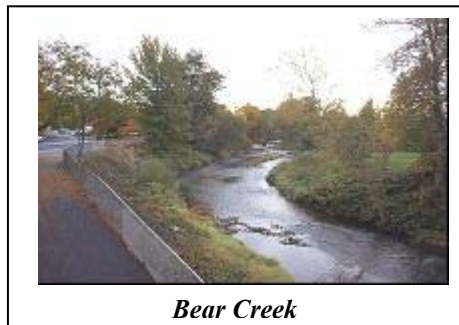
Farewell Bend Bank Stabilization Project, Snake River, Malheur County, Oregon

WEST developed a bank stabilization design to protect existing structures at the Farewell Bend Port of Entry. The project included field surveys, hydraulic modeling, and revetment design. The project evaluated bank erosion due to both river hydraulics and wind-wave erosion. A revetment was designed and construction documents prepared. The design included a stone toe and biotechnical erosion control for the bank slope.

Contact: Ron Reisdorf – Oregon Department of Transportation – Salem, OR (503) 986-3360



Cottage Street Bridge Replacement, Bear Creek, Medford Oregon



WEST Consultants, Inc. conducted bridge hydraulic design, scour evaluation, and revetment design for replacement of Cottage Street Bridge. This work included hydraulic modeling, scour evaluation, geomorphic analysis, and revetment design. Under a separate contract, MB&G worked with Oregon Department of Transportation (ODOT) to evaluate the environmental impacts of the project. A significant issue for the project was design of the revetment that would protect both the bridge and bike path while minimizing impacts to aquatic ecology.

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Stehekin River – Stream Stabilization

A two-dimensional, hydrodynamic model (RMA-2) was developed, using the SMS system, to provide hydraulic data for use in the design of riprap bank barbs/spur dikes in the Stehekin River, Washington, to protect a National Park Service Road in the North Cascades National Park. An evaluation was also made of riprap blanket design.

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