



COWLITZ CONSERVATION DISTRICT

District Manager: Darin Houpt Board Chair: Jim Scott
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Legislative District: 19, 20 Congressional District: 3

Other accomplishments:

- ▶ Completed the Coweeman River Community Watershed knotweed treatment and riparian restoration project.
- ▶ Surveyed and designed two salmon recovery projects slated for implementation during the 2017 hydraulic window.
- ▶ Continued working on a proposal to address mitigation opportunities within Cowlitz County.

2017 FEATURE ACCOMPLISHMENT

COWEEMAN RIVER COMMUNITY WATERSHED PROJECTS



Legislative tour - the gravel bar in foreground is part of the sediment accumulated.

as a source of warming water temperature. Anchoring large in-stream wood to bedrock helps address these resource concerns, but it's challenging to do this while managing stream forces in this part of the watershed.

Project summary and results

Cowlitz Conservation District designed a project to install wood-based structures across the channel to trap gravel. Logs were anchored to the bedrock through use of epoxied anchors and lashing chain.

The structures began trapping gravel during the first storm event and exceeded the landowners' expectations with each flow event that mobilized sediment. Photo documentation clearly shows the tremendous accumulation of gravel. District staff hope to secure resources that will allow us to resurvey the site and quantify results.

Resource challenge

Cowlitz Conservation District completed two project sites to improve gravel collection along bedrock reaches of the Coweeman River. The district has been working with landowners in the watershed to address their resource concerns for about 10 years. Stream temperature is a concern for fisheries and water quality. Monitoring indicated solar radiation on bedrock



Sediment accumulation after high fall flows.

Key partners: Landowners; Lower Columbia Fish Recovery Board; Washington State Conservation Commission; Washington Department of Fish & Wildlife

MORE WORK TO DO

- ▶ Implement salmon recovery projects in the Abernathy Creek Community Watershed and in 1.5 miles of Delameter Creek in the Arkansas Creek Community Watershed.
- ▶ Implement two salmon recovery projects in the Germany Creek Community Watershed.
- ▶ Continue to develop project opportunities with cooperators.