

## Chehalis Basin Small Project Scenario

### Overview and Process

Draft September 11, 2013

As part of the evaluation of projects to reduce flood damages, the Work Group and the Anchor consultant team, with the support of state and local agencies will explore the potential benefits and potential adverse impacts of a combination of smaller local projects across the Basin, focused on protecting key infrastructure, reducing shoreline erosion, and improving flow conveyance and drainage at key points in the Basin. Potential projects will be explored in both “with a dam” and “without a dam” scenarios. A program of smaller projects aimed at protecting key infrastructure and priority areas through the Basin may provide a measureable reduction in damages from major floods. Further analysis of such a program needs to determine how much damage reduction is possible, and at what cost, and provide additional context for considering large-scale projects. The Anchor Team will work with local governments, conservation districts and other interested parties to identify flood damage reduction projects and assess the potential benefits and potential adverse impacts of the suite of small projects with and without a water retention structure and alternatives to protect I-5.

The process to identify and analyze small projects will include:

1. Review the project list and previous process conducted by the Flood Authority and SBGH consulting to determine how the previous work can be used.
2. Develop screening criteria for the type of projects that should be identified and the criteria for how the projects will be evaluated.
3. Meet with local cities and counties, conservation districts and others to expand and/or refine the list of potential projects
4. Determine the suite of projects that need to be included in a small project scenario for comparison with and without a dam and alternatives for I-5.
5. Assess the benefits, costs and potential impacts of the suite of small projects.
6. Work with the Work Group and Flood Authority to determine which projects should be further assessed for potential inclusion into the next biennium capital budget (consultant resources are available to develop conceptual designs for up to 10 projects).