CHEHALIS RIVER BASIN FLOOD AUTHORITY

THE CHEHALIS TRIBE

ESB 5127-Jobs Now Act Section 313-Chehalis River Basin Flood Relief Projects
Review and Approval Form

(Prepared for Flood Authority signature on 8/11/2012)

Proposed Project: Lewis County Conservation District Critter Pad Installation.

Lead Agency: Washington State Conservation Commission.

Budget: $500,000. [Note: Initial estimated cost is roughly $865,734. ESB 5127 funding share would contribute $500,000.]

Description: Critter pads reduce livestock mortality and economic loss to landowners and local communities. They provide an area elevated above the flood level to hold livestock and critical farm equipment during a flood event. The Lewis County Conservation District has taken the lead to work with farmers to identify potential sites for critter pads in Lewis County. The Conservation District has contacted Thurston and Grays Harbor Conservation Districts and the Chehalis Tribe to see if there is interest for critter pads in the two counties. In Lewis County, three critter pads are proposed for construction at farms along Bunker Creek Road, two at locations along the upper Chehalis River, one at a location along the main stem Chehalis River (near City of Chehalis) and one at Ceres Hill. Each of the critter pads require engineering design and permit approval by Lewis County. The pads range in size from 37 x 37 feet to 151 x 151 feet and the heights are from 5 feet to 15 feet. See proposed project location at http://goo.gl/maps/P9RBc.

Flood Hazard Reduction Benefits: Reduction of livestock mortality and economic loss to landowners and local communities.

Adverse Impacts/Effects: The critter pads are designed and located to have no measurable impact upstream or downstream by their placement for example out of the floodway and their use of on- or near-site materials to mitigate against any flood elevation rise.

Project Feasibility: All work appears feasible (i.e., permitted and constructed) by June 30, 2013.

Timeline: Construction is planned for late-August or early-September 2012.

Authority: ESB 5127.

Jobs Supported: Each critter pad requires engineering designs and construction. Construction jobs will be limited to the contractor awarded the project. Each pad will create a minimum of five to ten jobs for two weeks to two months based on the size of the pad. Depending on total cost up to seven pads may be constructed.

Studies Completed: A HEC RAS analysis has been completed by Watershed Science Engineering showing minimal rise at proposed critter pad locations (i.e., email report of 8/10/2012 states ". . . results indicate that the cumulative 100-yr impact due to all of the pads remains less than 0.01 ft. Furthermore, all cross-sections in the model would report a rise of 0.00 ft., when rounded to the nearest hundredth of a foot -- except one location just upstream of the Larson pad which rounds up to 0.01 ft. from 0.0077 ft.

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Further Studies Needed: None.

Current Project Status: Permit application packets have been prepared and submitted to Lewis County. Flood elevation surveys for each of the seven sites have been prepared and submitted to FEMA. Final design and specification bid packets are scheduled to be completed by August 17, 2012 to secure a qualified construction contractor.

By signing this review and approval form, we hereby agree to the following:

- We have received information from the project proponent and had the opportunity to ask questions or seek additional information.
- We understand that the proposed project fits the authorization allowed under ESB 5127, and will help provide or lead to a project to provide flooding relief within the Chehalis Basin while also providing jobs.
- We recommend that OFM allot funds to the project proponent.

Vickie L. Raines 8/13/12

Vickie L. Raines Chair, Flood Authority	Date	David Burnett Chair, Chehalis Tribe	Date