2015-17 Small Projects Recruitment Form

Chehalis River Basin Flood Relief

What are small projects? -- In general, small projects are those projects that provide predominantly localized benefit, are capable of being completed within the funding cycle, are supported by the jurisdiction within which the project is proposed, and are vetted and advanced through the Chehalis River Basin Flood Authority's Chehalis Basin Projects Committee.

Instructions:

a. Please submit project requests (via this form) to Scott Boettcher (scottb@sbgh-partners.com) no later than 5:00 p.m. September 10, 2014.

b. Please submit individual project request forms for each project in your jurisdiction, even those projects previously or partially funded in the past.

c. Note: Parts III and IV below [marked by "(**)"] will be scored as part of the Chehalis Basin Projects Committee's review and evaluation. Part I and II will not be scored.

Part I **General**	
1. **Date:**	September 10, 2014
2. **Project Name:**	Salzer Creek Restoration Study
3. **Project Location --** Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.	The proposed project is adjacent to Little Hanaford Road in Lewis County, Washington. Sections 2 & 3, Township 14 North and Range 2 West with a latitude of 46.72753 North and a Longitude of -122.931899 West.
4. **Project Contact** -- Please identify who will be responsible for overseeing and managing the project (i.e., name, email, telephone number, etc.).	Rod Lakey, P.E., Senior Engineer 2025 NE Kresky Ave., Chehalis, WA 98532 Rodney.Lakey@lewiscountywa.gov 360-740-2780
5. **Lead Organization --** Please identify the lead organization, agency, entity, etc. responsible for this project.	Lewis County Public Works 2025 NE Kresky Ave., Chehalis, WA 98532
Part II **Description, Timing and Cost**	

6. **Project Description --** Please describe the project, what it is intended to accomplish, and the benefits that will accrue and to whom.	Lewis County Public Works requests funding for a study to provide and assess multiple stream restoration designs within the China Creek drainage basin in an effort to alleviate downstream flooding and improve fish habitat. Currently there is an approximate 3,900 linear foot section of China Creek which has been channelized. This section of China Creek was historically an unconfined and sinuous stream that migrated freely across an expansive floodplain with wetlands and low gradient stream channels. Within the past 100 years, the proposed project reach of China Creek has been ditched and straightened alongside McAtee, Lundberg and Little Hanaford Roads.
7. **Project Timeline --** Please describe the overall timeline for completion of the project as well any interim stages or phases.	As the proposed project is for a study to provide and assess multiple stream restoration designs within the China Creek drainage basin in an effort to alleviate downstream flooding and improve fish habitat Lewis County would be able to hire a consultant to perform this study within two months of receiving funds.
8. **Project Cost and Funding --** What is the cost of this project? What are the on-going maintenance and operation requirements? Is it clear who will be responsible for on-going maintenance and operations costs?	Amount requested from the Flood Authority: $50,000 Study Phase only, no maintenance and operation costs.
9. **Other Funding --** Please explain the extent to which other funding sources or funding partners are available.	N/A
Part III (**) Completion and Doability by June 30, 2017	
10. **Project Completion --** Does the funding requested complete (or substantially complete) a project that has already been started? If so, please explain.	This is a new proposed project.
11. **Project Doable --** Can this project or the stage/phase for which funding is sought be completed by June 30, 2017?	The proposed project timeline is reasonable and completion by June 30, 2017 should be easily accomplished.

12. **Project Impacts --** Please identify how any project impacts will be mitigated and if that mitigation will be accomplished by June 30, 2017?	The proposed restoration will reconnect approximately40 acres of floodplain, re-establish a natural channel migration zone, enhance/and or rehabilitate wetlands, and enhance salmon habitat by removing the berm which currently disconnects the unnamed stream from its historic floodplain, providing a sinuous channel with off channel habitat and overbank flooding areas, and planting riparian buffers (~ 100 ft on either side) along the relocated stream channel. It is anticipated that the proposed restoration project will include the replacement of three to five fish barriers with fish passable structures providing unlimited access to 5.85 linear miles of habitat for coho salmon and cutthroat trout. Large Woody debris will also be incorporated into the stream restoration design.
Part IV (**) **Benefits Stated and Quantified**	
13. **Emergency Response --** Please explain how this project enhances our ability to respond in a flood emergency (e.g., does it keep critical access roads, transportation facilities, etc. open and functional.)	It is believed that the selected restoration design will not only reduce flooding to approximately 2,050 linear feet of County roadway and also reduce flooding within the city of Centralia.
14. **Essential Infrastructure Protection --** Please explain how this project protects essential infrastructure (as well the risks or consequences of not acting this funding cycle).	The proposed project would allow for the County to protect McAtee, Lundberg and Little Hanaford Roads. from flooding. This would in turn ensure access for fire and safety vehicles to area residents and businesses. Risks for not taking the first step (study) would put residents at continued risk from block emergency vehicle access during flood events.
15. **Public Health, Safety and Welfare --** Please explain how this project protects public health, safety and welfare.	This project will result in increased public safety as landowners will no longer be stranded during flood events or risk driving drive through a flooded roadway to access their properties.
16. **Residential, Commercial and/or Agricultural Protection --** Please explain how this project protects residential, commercial and/or agricultural interests and communities and the benefits of acting (or consequences of not acting) this funding cycle. Consider factors like number of structures at risk, number of people at risk, historic frequency of flood damage, magnitude of benefit to be gained for the cost, etc.).	This project is anticipated to alleviate flooding on McAtee, Lundberg and Little Hanaford Roads. It is believed that the selected restoration design will not only reduce flooding to approximately 2,050 linear feet of County roadway but will also reduce flooding within the city of Centralia..
17. **Other Project Impacts --** Please explain how this project impacts or is potentially impacted by another project.	By reconnecting the floodplain and enhancing/rehabilitating wetlands it is anticipated that the proposed restoration will also result in improved water quality. As the proposed project is just outside of the City of Centralia limits there is a possibility that a boardwalk or

	walking trail could be incorporated into the design to provide public outreach and education. However, as with any restoration project the benefit of education will need to be assessed to determine if it outweighs the potential adverse impacts that granting public access to the site could cause on-going and increased maintenance.
18. **Anything Else --** Please feel free to offer any additional information (e.g., photos, maps, drawings, etc.) that would be helpful to better understand the scope, timeline and benefits of this project.	Please refer to the attached Vicinity Map and photographs.

Legend

- China Creek
- Documented Fish Passage Barriers
- Roads
- Parcels

Figure 1: Baseline Data

China Creek Watershed Analysis - McAtee Rd to Creekside Court
Township 14 North, Range 2 West, Sections 3 and 4

April 18, 2014

Panoramic View of Area to be Utilized for Stream Restoration from Existing Stream location at Lundberg Road and Little Hanford Road

Eastfacing view of remaining historic
stream channel from end of Lundberg Road

Westfacing view of remaining historic
stream channel from
End of Proposed Stream Restoration

Northfacing view of ditched stream from
End of Proposed Stream Restoration