



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.

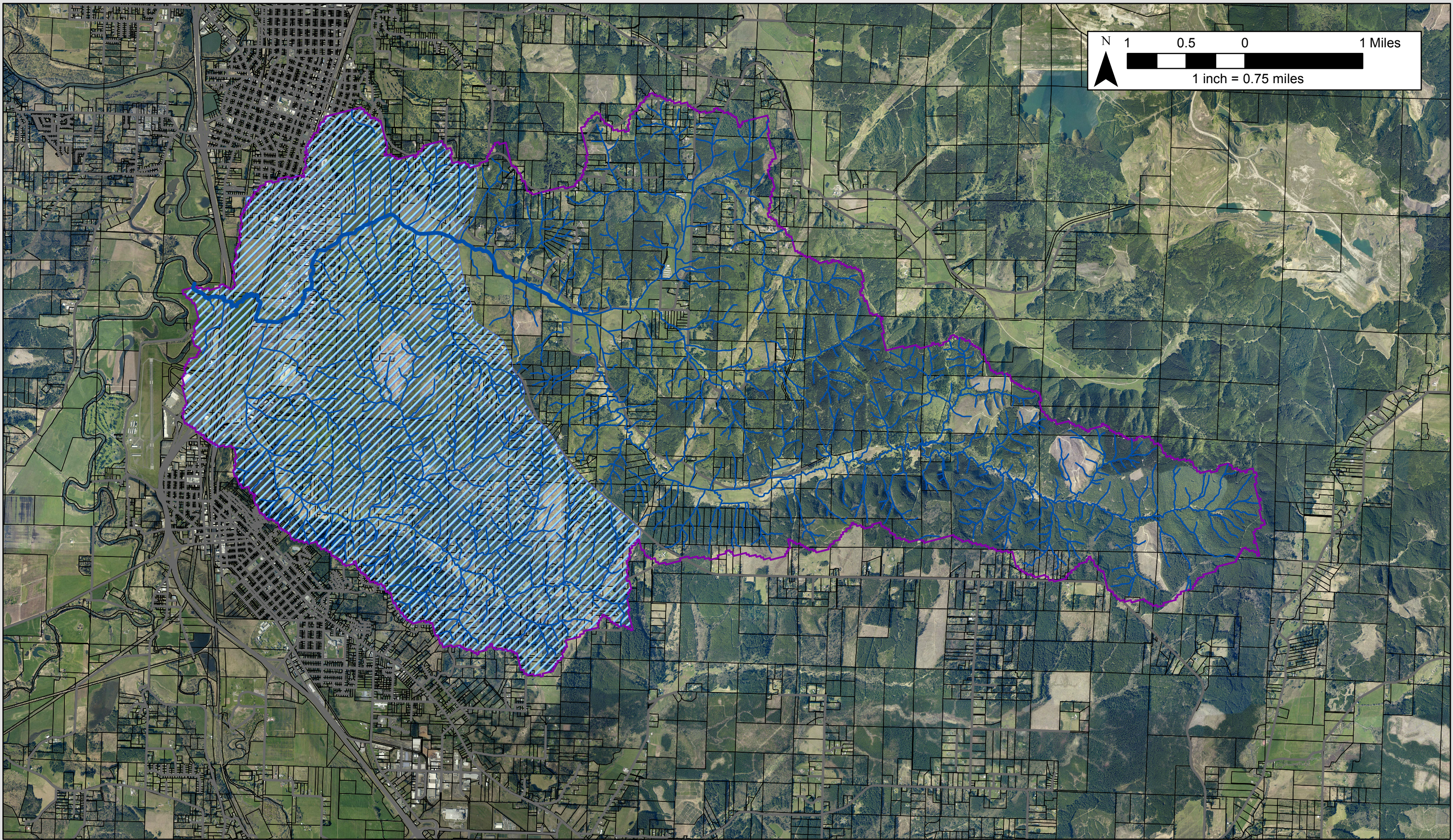
Part I General	
1. Date:	September 10, 2014
2. Project Name:	Backwater Control into Salzer Creek at I-5
3. Project Location -- Please identify the location of the project as precisely as possible, preferable with latitude/longitude coordinates.	46.691088, -122.969997
4. Project Contact -- Please identify 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.	During extreme flood events, the Chehalis River backwaters into the Salzer Creek basin between the City of Chehalis and City of Centralia. To limit the effects of flood waters for residents, businesses, the Lewis County Fairgrounds and city infrastructure, this project proposes to limit Chehalis River backwater into the Salzer Creek basin during extreme flood events. A manually operated mechanical control structure is proposed below the Interstate 5 bridge crossing Salzer Creek. Please note, this project can only be advanced with WSDOT's I-5 flood protection in this area.
7. Project Timeline -- Please describe the overall timeline for completion of the project as well any interim stages or phases.	Jan 2015 to Dec 2015 -- Preliminary analysis and conceptual design. Jan 2016 to Jun 2017 -- Mitigation Design and Environmental Permitting. Project Construction -- Dependent on I-5 Flood Protection Project by WSDOT
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?	\$500,000.00 Total Floodplain Analysis, Conceptual Design, Environmental Permitting, Mitigation, and Final Plans (\$200,000) Construction (\$250,000 -- dependent on WSDOT Project) Project Administration and Closeout (\$50,000) Ongoing Maintenance: \$5,000 per year
9. Other Funding -- Please explain the extent to which other funding sources or funding partners are available.	I-5 Flood Protection by WSDOT required prior to Salzer Creek backwater control efforts due to physical basin characteristics.
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 that would be designed, permitted and ready for construction in conjunction with WSDOT's ultimate flood protection construction in the Chehalis and Centralia area.
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 design completion by June 30, 2017 is obtainable for this project.
12. Project Impacts -- Please identify how any project impacts will be mitigated and if that mitigation will be accomplished by June 30, 2017?	This project will require mitigation due to the limiting access for fish into the Salzer Creek basin during times of extreme flow. The extent and cost of this mitigation is not known at this time. Early discussions with environmental permitting agencies will help guide and minimize mitigation costs associated with this proposed project.



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.)	Preventing flooding of City and County arterial and local access roads within the Salzer Creek Basin will ensure emergency vehicle access for hundreds of area residents and businesses.
14. Essential Infrastructure Protection -- Please explain how this project protects essential infrastructure (as well the risks or consequences of not acting this funding cycle).	Reducing backwater effects from the Chehalis River into the Salzer Creek basin will prevent closure of arterial roadways to the only hospital in the region, keep access for fire/safety vehicles and prevent repetitive flood damage to businesses and public buildings.
15. Public Health, Safety and Welfare -- Please explain how this project protects public health, safety and welfare.	As stated above, extreme floods sever connection to the only hospital in this region. Public health would be ensured by keeping arterial road access. Similarly, public safety would also be ensured with emergency vehicle access during floods with controlled backwater.
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.).	The Lewis County Fairgrounds, Senior Center, multiple businesses and many residential structures are at risk to flood damage during extreme rain events. This project proposes to reduce flood effects to these businesses and residents that receive damage every 5 to 10 years. The benefit expected from this project will be the difference between total inundation damage that destroys buildings versus a short cleanup following minor flooding. Benefits will be further analyzed with conceptual design alternatives.
17. Other Project Impacts -- Please explain how this project impacts or is potentially impacted by another project.	This project is fully contingent upon WSDOT completing the Interstate 5 Flood Protection in the Chehalis-Centralia area. Additionally, this project will have adjacent and downstream floodplain impacts that will need to be mitigated.
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.	Although this project is only conceptual at this point, funding is needed now to start analysis and design efforts now. The effects of waiting will extend severe flooding risks to residents, businesses and public infrastructure.



Legend







- | | |
|--|--|
|  Area of Alleviated Flooding |  Streams in Salzer Creek Drainage |
|  Salzer Creek |  Roads |
|  Salzer Creek Drainage |  Parcels |

Figure 1: Backwater Control Into Salzer Creek at I-5

Lewis County
Salzer Creek Drainage

Aug 19, 2014