

ASRP PROJECTS: JANUARY 2022 FLOOD EVENT

3/3/22



SNAPSHOT

- 5 habitat restoration projects constructed in 2021
 - Skookumchuck, EF Satsop, Wynoochee, Camp Creek, Marker 19 Oxbow (Upper WF Chehalis)
- Almost 100yr flood events at all 5 sites
- Outcomes:
 - Projects intact after events
 - Project components functioning as designed



Gravel bar formation at upper WF Chehalis site



- Significant velocity and amount of water topped banks and inundated floodplain
 - Acquisition removed at-risk home
- Large woody debris (LWD) structures working as designed
 - Scouring occurred behind some structures mostly from overland flows. WDFW will address this summer (2022)
- 80-90% of riparian plantings still in place
- Flood fencing protected new plantings and collected debris as intended





Protection component: Allow floodplain to function naturally Removed landowner and infrastructure from harms way







CHEHALIS BAS

Large Wood Structures:

More natural rates of bank erosion Creating deep pools for fish habitat Racking up instream wood naturally











Flood Fencing: Racking up debris adjacent to river, preventing debris stranding in fields, and protecting riparian plantings

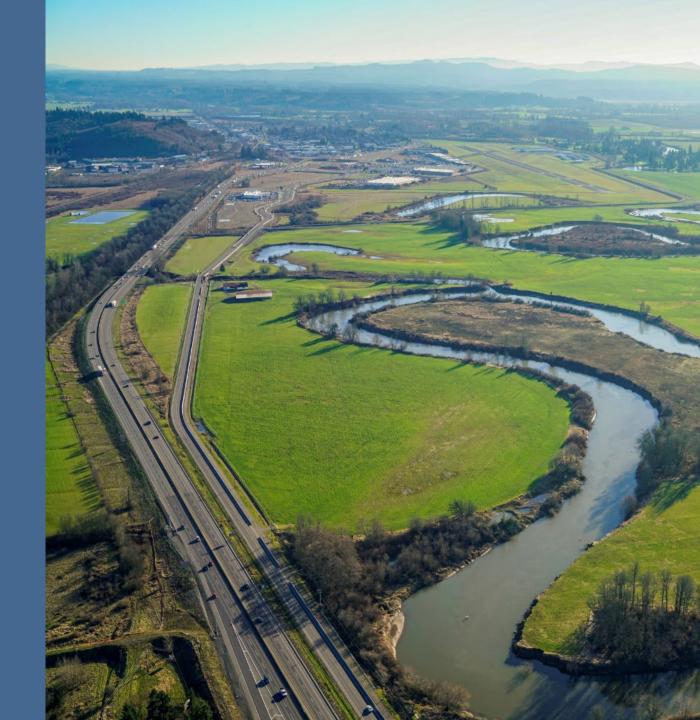
FURTHER ASSESSMENTS & NEXT STEPS

- ASRP monitoring continues on fish and amphibian populations
- Evaluate flood impacts on restoration projects and address in summer 2022
- Landowners and project sponsors discussing ways to alleviate future overland flow concerns while creating, protecting and enhancing habitat
- Complete floodplain acquisition, house relocation, and extensive restoration on the Wynoochee River in 2022



QUESTIONS OR DISCUSSION

For more information, contact Emelie McKain Emelie.McKain@dfw.wa.gov





2022 ASRP SYMPOSIUM UPDATES

3/3/22



EVENT DETAILS

- April 20th- 21st 2022
- 9:00am-12:30pm

- Virtual platform (Zoom)
- Open to public
- Free to attend



EVENT DETAILS

Theme: ASRP shift from planning to implementation

- Interactive sessions, including breakout rooms for topicbased discussions with presenters and panelists
 - Session based agenda to focus topics for audience
 attendance



EVENT DETAILS

Highlighted speakers to address overarching topics:

- Examples of other at-scale programs shifting from planning to implementation
 - All H's and the focus on Habitat



- Implementation sessions:
 - Reach Scale lessons learned and considerations for future efforts
 - Perspectives shared from key project team members
 - > Landowner
 - > Land trust
 - > Design/construction
 - > Project partners
 - Breakout rooms for detailed discussion





- Implementation sessions:
 - Considerations for project success and where to get more information
 - Perspectives and resources shared
 - > Coordination needs
 - > Cultural resources processes
 - > Permitting considerations
 - > How to get involved with the Local Implementation Teams
 - Breakout rooms for detailed discussion



- Implementation sessions:
 - Collaboration on project implementation
 - Perspectives and resources shared
 - > Building on early success with landowner engagement
 - Stories from the field: how project partners overcame challenging experiences and considerations for the future
 - > Slam dunks: success stories and takeaways
 - Breakout rooms for detailed discussion



- Monitoring sessions:
 - Incorporating research and monitoring into restoration planning
 - Thermal considerations for project planning
 - Incorporating available data into project siting
 - Perceptions of beavers and resources to engage landowners



- Monitoring sessions:
 - Monitoring trends through ASRP implementation
 - Salmon & Steelhead population and distribution trends
 - Predation & invasives: how natives and invasives far over time
 - Amphibians: are we keeping up with the needs of specialty species?



- Monitoring sessions:
 - Minimizing data gaps
 - Better understanding current genetic hybridization of spring and fall chinook
 - Outside ASRP research that can inform restoration planning and adaptive management



OUTREACH

Notice included in Strategy
 Newsletter

- Email distribution
- Word of mouth!

- Banner on CBS website
- Social media

https://chehalisbasinstrategy.com/habitat-restoration/



REGISTERING FOR THE EVENT

- Register online
 - Can sign up for one or both days
- You will then be sent a confirmation email with a calendar hold and login instructions
 - Check you spam folder!

https://chehalisbasinstrategy.com/habitat-restoration/

We look forward to seeing you at the Symposium!



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