



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

EAST FORK SATSOP EARLY ACTION REACH

- 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

EAST FORK SATSOP EARLY ACTION REACH



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



EAST FORK SATSOP EARLY ACTION REACH

Large Wood Structures:

More natural rates of
bank erosion

Creating deep pools for
fish habitat

Racking up instream
wood naturally



EAST FORK SATSOP EARLY ACTION REACH



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
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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 topic-based 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

OVERVIEW OF AGENDA

- **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



OVERVIEW OF AGENDA

- **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

OVERVIEW OF AGENDA

- **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

OVERVIEW OF AGENDA

- **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

OVERVIEW OF AGENDA

- **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?

OVERVIEW OF AGENDA

- **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
- Banner on CBS website
- Social media
- Email distribution
- Word of mouth!

<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!

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We look forward to seeing you at the Symposium!

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