Chehalis Basin Strategy
ASRP
Early Action Reach Update

February 6, 2020

Chehalis Basin Board Meeting

Early Action Reach (EAR) Projects

- 5 reach-scale pilot projects
  - Skookumchuck River
  - Newaukum River
  - Stillman Creek (South Fork Chehalis River)
  - Wynoochee River
  - Satsop River

Wynoochee aerial drone footage, WDFW

- **Opportunities to learn from early implementation to:**
  - Adapt strategies based on feasibility
  - Inform future ASRP restoration in the basin

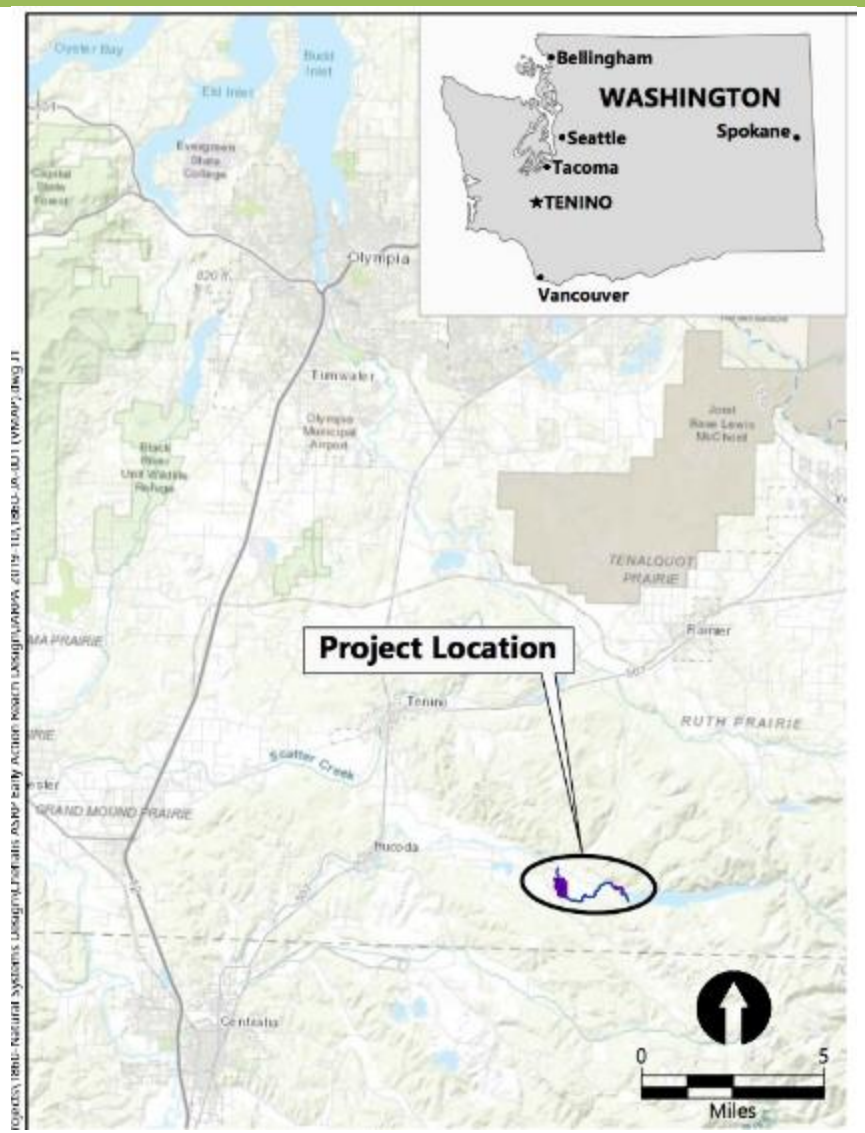
EAR Example Project Objectives

- Protect existing high-quality habitats
- Remove impediment to and promote natural processes
- Restore in-channel structure and key habitats for aquatic species, such as deep pools and side channels
- Restore riparian habitats and processes
- Promote resilience to climate change from riparian restoration and floodplain connectivity

EAR – Anticipated Timelines

Early Action Reach Projects Construction Schedule Overview											
2020											
J	F	M	A	M	J	July	August	S	O	N	D
						Skookumchuck					
2021											
J	F	M	A	M	J	July	August	S	O	N	D
						Newaukum (Season 1)					
						Wynoochee (Season 1)					
2022											
J	F	M	A	M	J	July	August	S	O	N	D
						Satsop (Season 1)					
						Stillman (Season 1)					
						Wynoochee (Season 2)					
						Newaukum (Season 2)					
2023											
J	F	M	A	M	J	July	August	S	O	N	D
						Satsop (Season 2)					
						Stillman (Season 2)					
Notes: Satsop and Wynoochee are interchangeable. Schedule subject to change based on contractor and material availability.											

EAR – Skookumchuck River Restoration

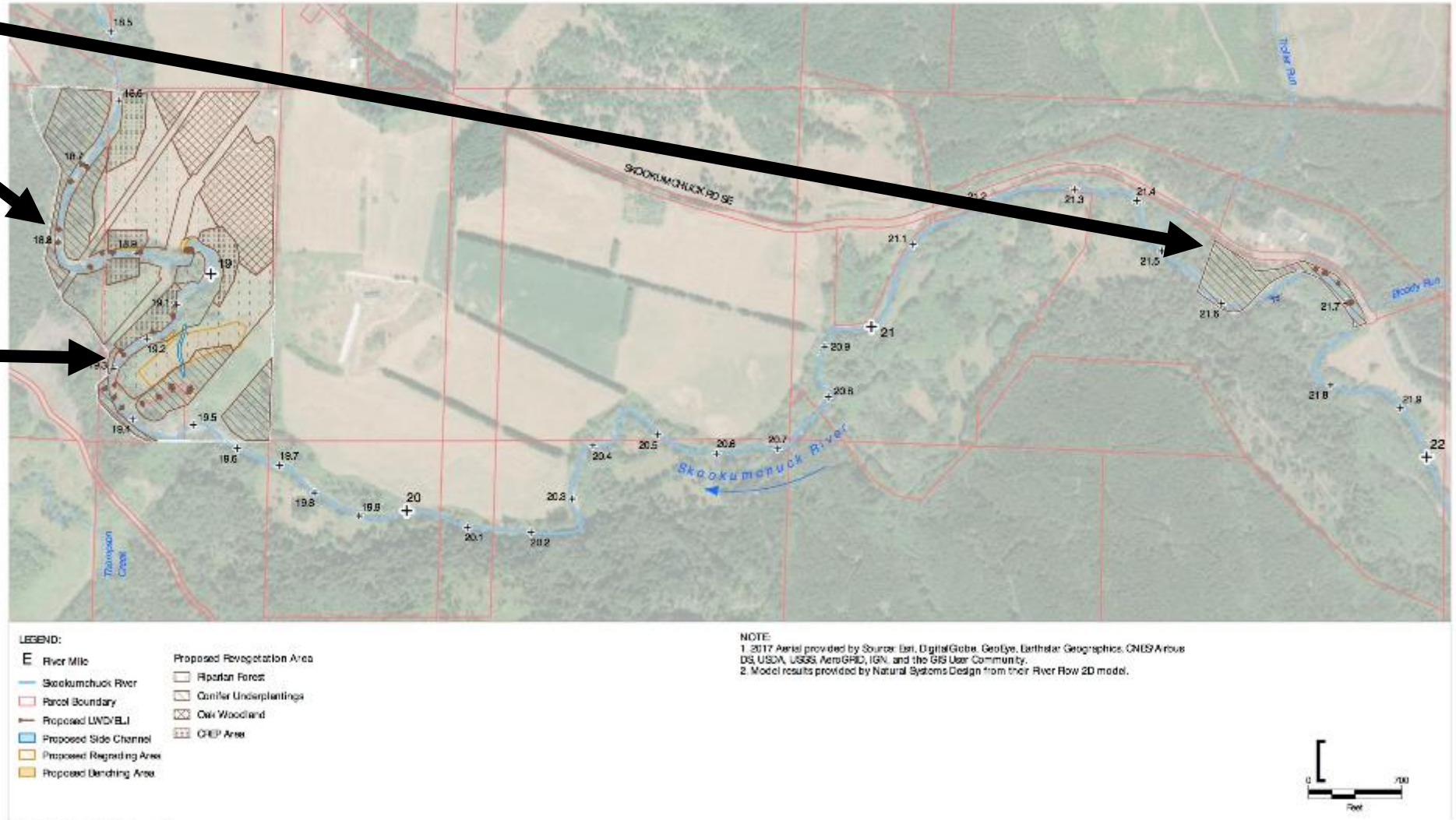


Engineered large wood structure

EAR – Skookumchuck River Restoration

Extensive riparian plantings

Wood and side channel



EAR – Skookumchuck River Restoration

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EAR – Skookumchuck River Restoration

Design Element	Existing	Proposed
Engineered log jams	12 natural jams (primarily small wood)	24 additional ELJs (~200 key pieces)
Pools	39 (mostly shallow)	Additional 24
Pilot channel	N/A	600 linear feet
Enhance flow into side channels	N/A	~1,200 linear feet
Riparian forest plantings	N/A	~56 acres
Conifer underplantings	N/A	~24 acres
Oak woodland	N/A	~15 acres
TOTAL PROJECT AREA		**~95 acres**

EAR – Skookumchuck Schedule

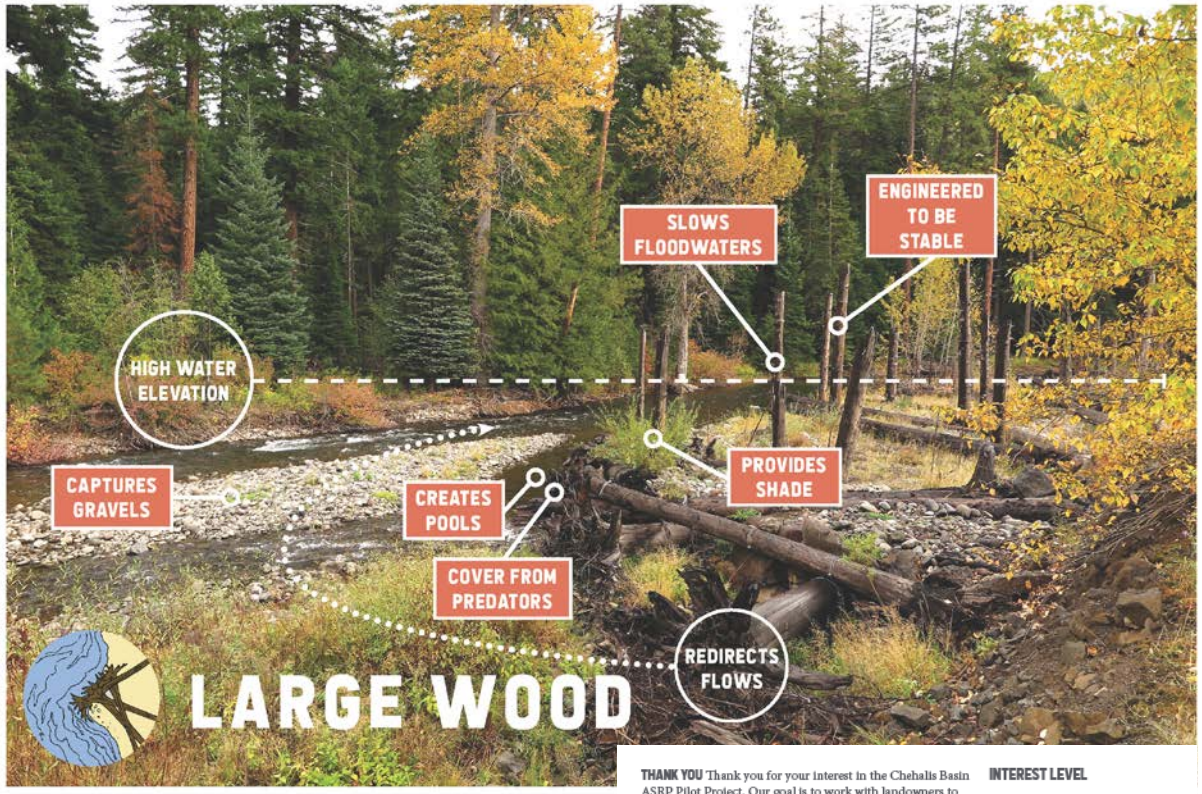
- January/early February 2020 – Complete final design documents
- March/April 2020 – Advertise for bids
- March 2020 – Receive permit approval from U.S. Army Corps
- May 2020 – Award bid and notice to proceed for selected contractor
- July/August – Construction
  - Invasive species management – Spring and Fall 2020, Spring 2021
  - Native plantings – Fall 2020 and 2021

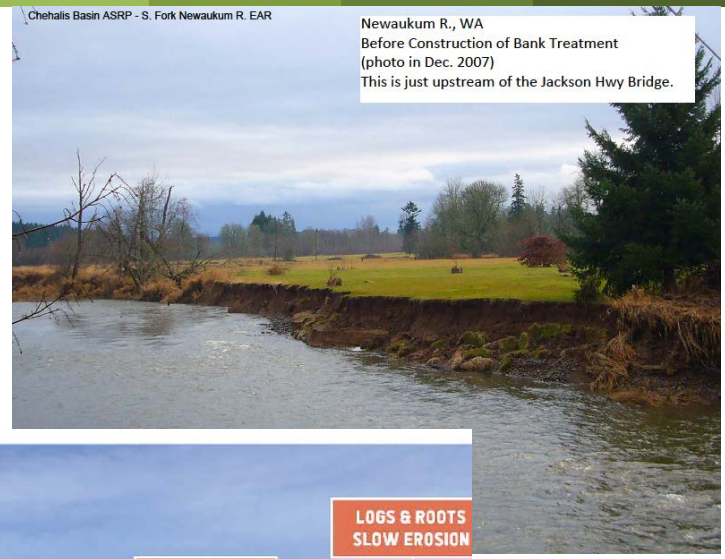
Note: This schedule is dependent on permit approvals and contractor and material availability.

EAR – Building the Toolbox (a glimpse)

- Developing relationships with landowners including commercial forestry owners
- Understanding information landowners need for decision making
- Identifying opportunities for streamlining processes
- Gauging contractor and material availability
- Assessing the phasing of projects to help reduce uncertainty in the design process and reduce project costs

Example Resources for Landowners





THANK YOU Thank you for your interest in the Chehalis Basin ASRP Pilot Project. Our goal is to work with landowners to meet their needs while helping to improve salmon habitat in the Chehalis.

To help us better understand your level of interest in participating in a pilot project, please print your name on the front and complete the interest level table to the right.

Below is additional space if you'd like to add any specific comments. If you indicate 'interested' or 'potentially interested," we will be in touch soon to potentially develop specific habitat restoration plans on your property.

ADDITIONAL COMMENTS

INTEREST LEVEL

	Interested	Potentially interested	Not interested
LARGE WOOD			
REVEGETATION			
BANK TREATMENT			
FLOODPLAIN RECONNECTION			
OFF CHANNEL			
SIDE			

EAR – What we're learning so far

- Discussions with landowners take time
- Not all landowners are interested in acquisition but many support restoration
- Bring CDs and land trusts together in advance of landowner outreach to evaluate restoration and conservation opportunities
- Gauge landowner willingness before initiating design/engineering
- Early engagement with permit agencies and tribes is essential
- Build project teams based on expertise and project needs

This work will continue to inform future restoration and protection actions in the basin.

Questions

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