



# AQUATIC SPECIES RESTORATION PLAN: UPDATES

Chehalis Basin Board Meeting

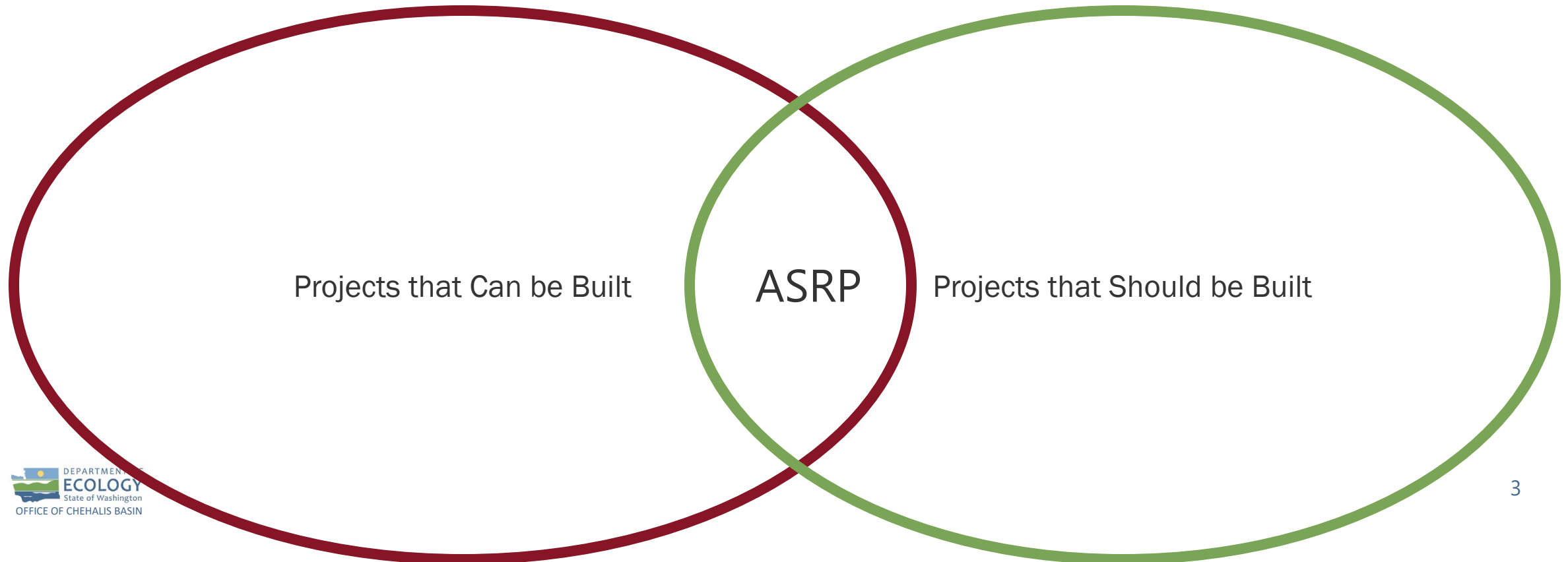
# DISCUSSION

- Review project funding strategy
- 2021-23 project portfolio
- Upcoming ASRP Symposium

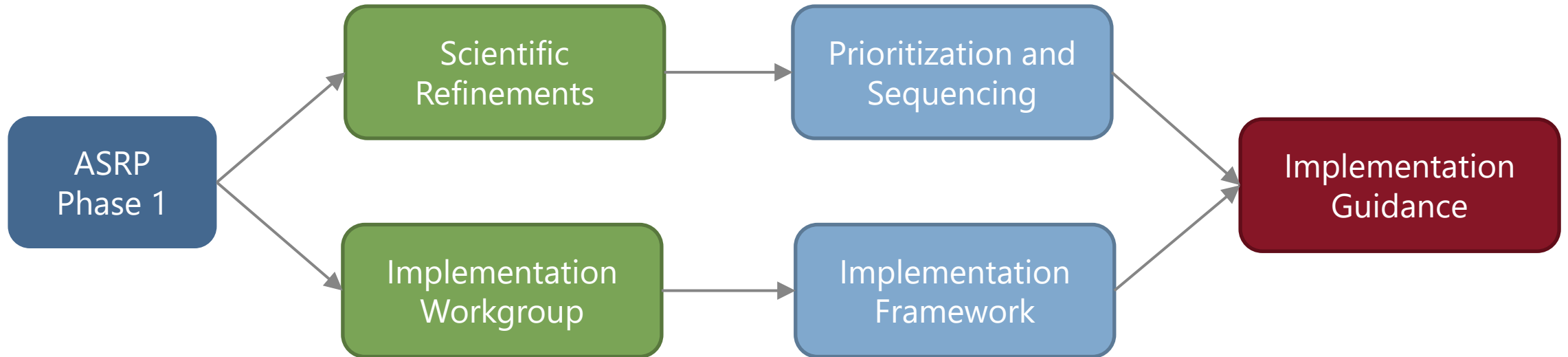
# WHAT PROJECTS DO WE FUND?

## Science-Based Project Selection

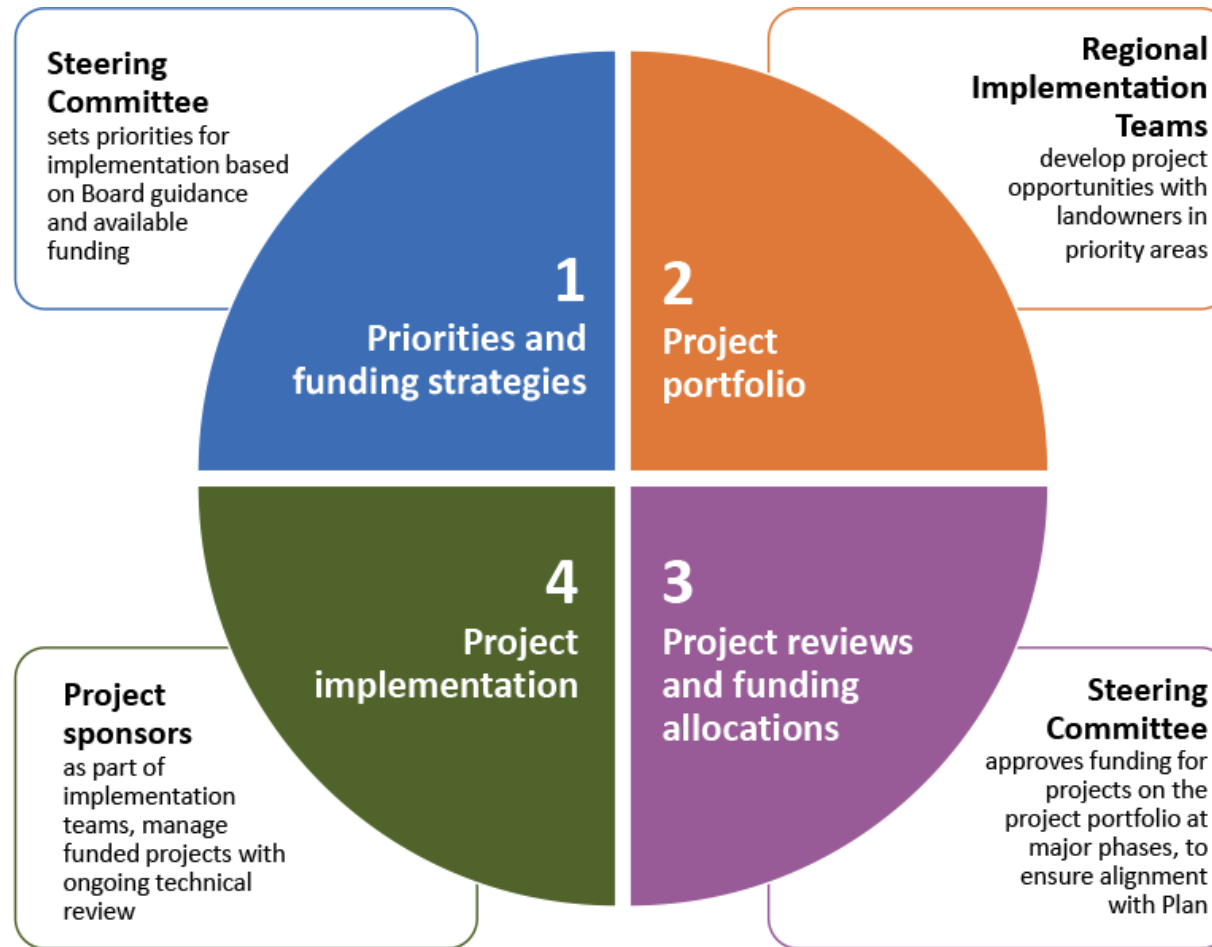
~~Random Acts of Conservation~~



# HOW DO WE BUILD PROJECTS?



# PROJECT FUNDING STRATEGY



# HOW ASRP PROJECTS ARE FUNDED

- Project funding is reserved from the biennium in which they start
- Large projects can extend over multiple biennia
- Funding is allocated, or “earmarked” for all phases – design, permitting, acquisition, construction
  - Funding is obligated for specific phases

# WHY PLANNED EXPENDITURE?

Implementation Planning process:

- Landowner and Sponsor Confidence
- Speed of Project Implementation

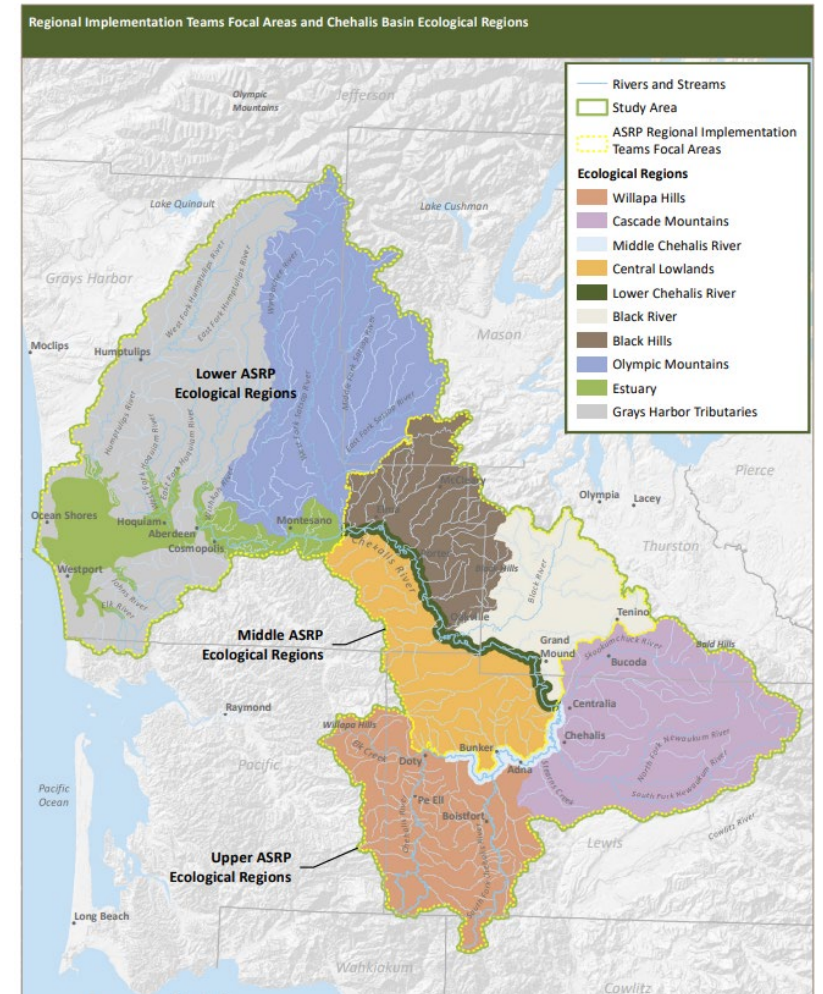
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# 2021-23 PROJECT PORTFOLIO



# IMPLEMENTATION ROLL OUT

- **Regional Implementation Teams**
  - 3 teams to organize and collaborate on new project opportunities
- **Project Technical Review Team**
  - Dedicated restoration expert capacity
- **Project Portfolio**
  - 6 project packages incorporated in 2 months



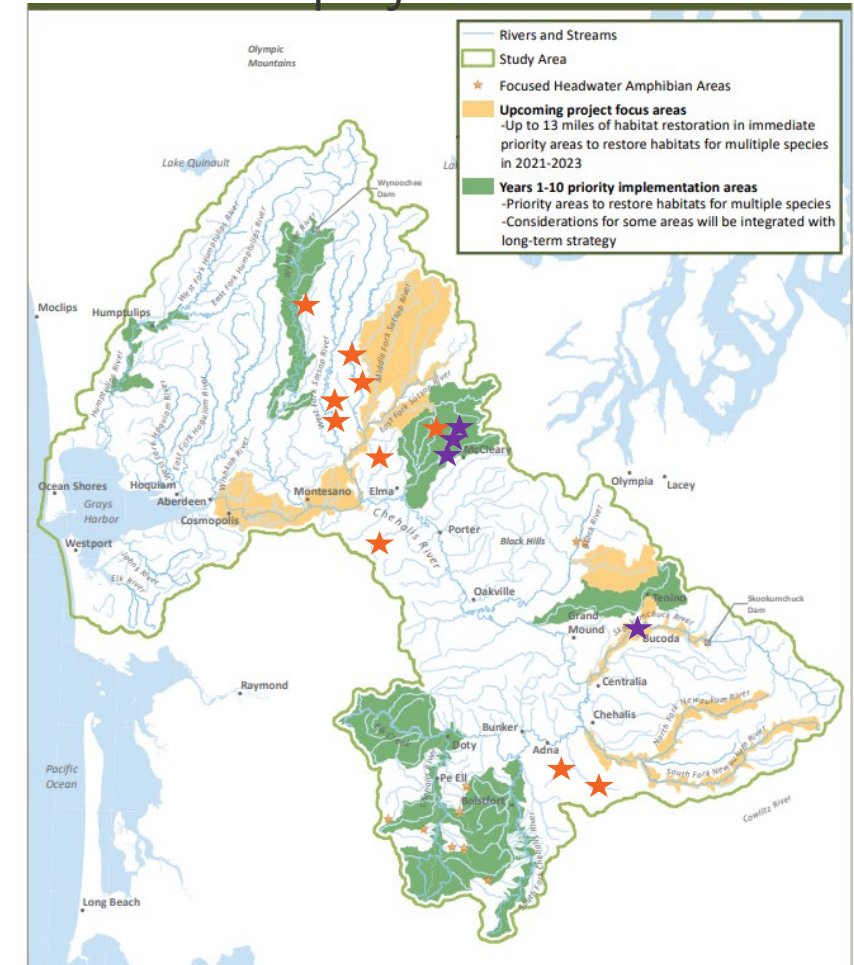
*"This is the fastest funding approval we've experienced in the grant world for this type of program, which means we can get things done much sooner and at less cost than usual. We look forward to getting started on these projects." -Chehalis Basin Fisheries Task Force*

# ASRP PROJECT PORTFOLIO

- 11 on-the-ground project packages nearing completion/complete
- 6 new on-the-ground projects funded

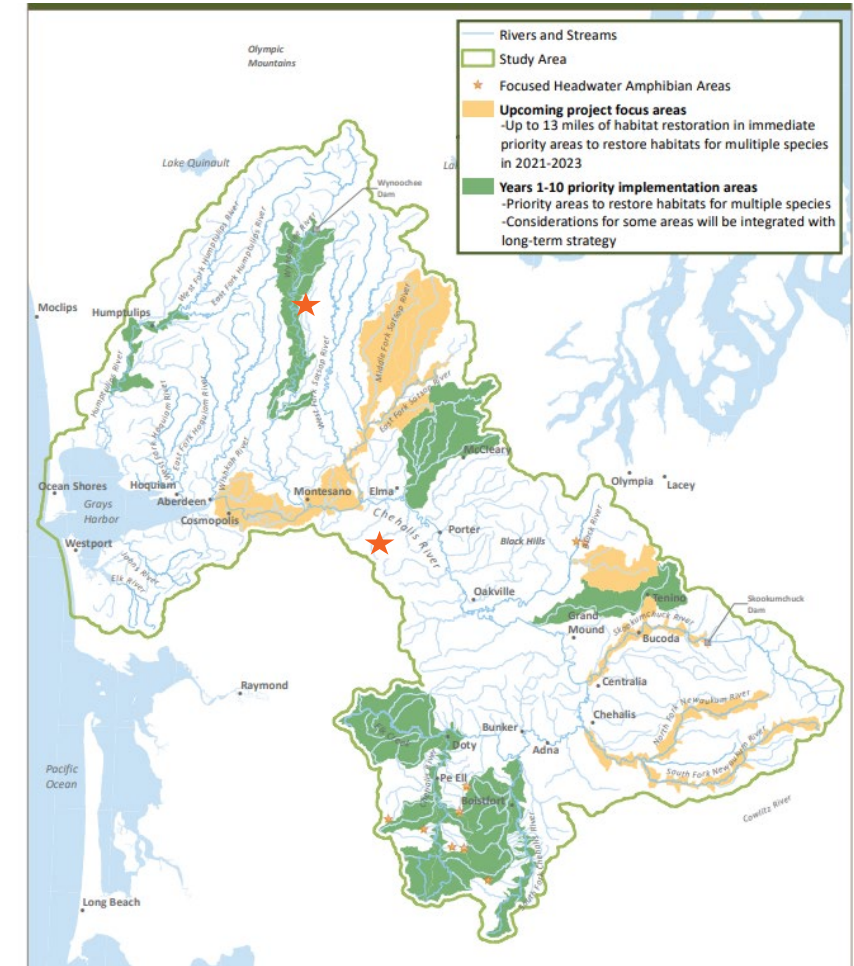
New Project Packages	Funding Allocated
Experimental Sediment Wedge (2)	\$1,490,400
MF Wildcat Creek Barriers (3)	\$1,073,700
Experimental Beaver Dam Analogues (8)	\$286,000
Riverbend Ranch Reach (2.5RM)	\$7,675,000
<b>TOTAL</b>	<b>\$10,525,000</b>
Remaining 21-23 Project Funds	\$9,875,000

## New project locations



# SEDIMENT WEDGES

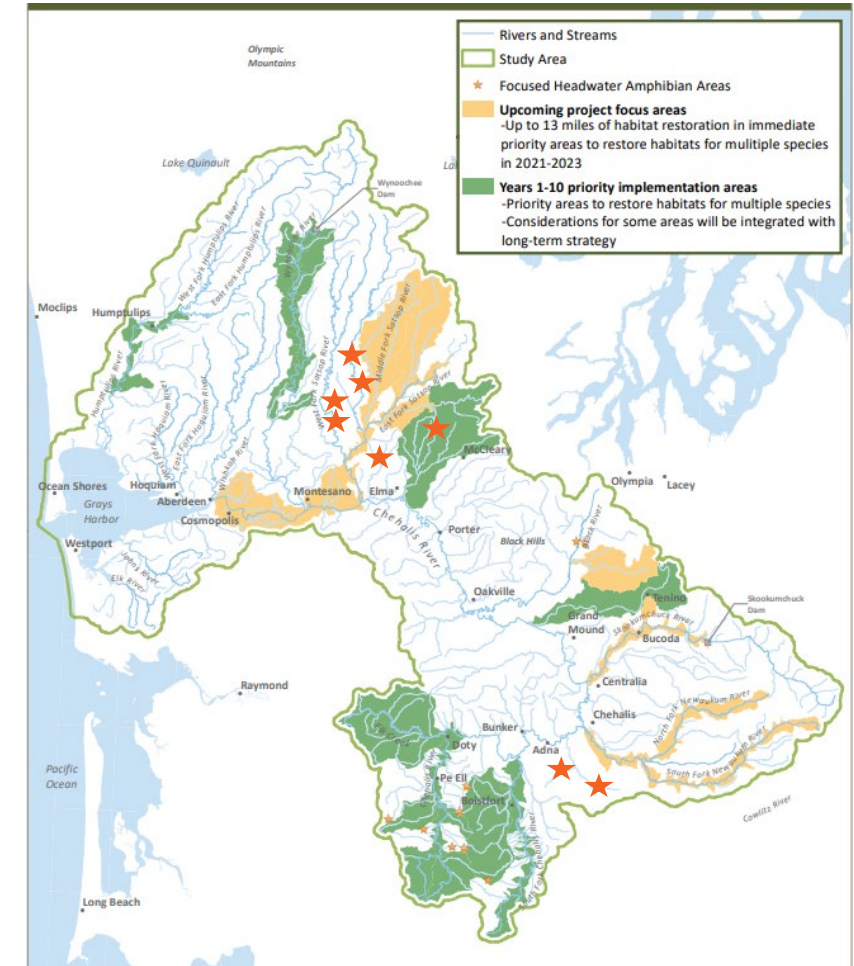
- **Description:** 2 sites for experimental application of pre-filled sediment wedges
  - Associated monitoring will evaluate effectiveness and potential scaling to other areas in basin
- **Goals:** Reduce stream temperature and create cool-water holding pool habitat
- **Construction timeline:** summer 2023





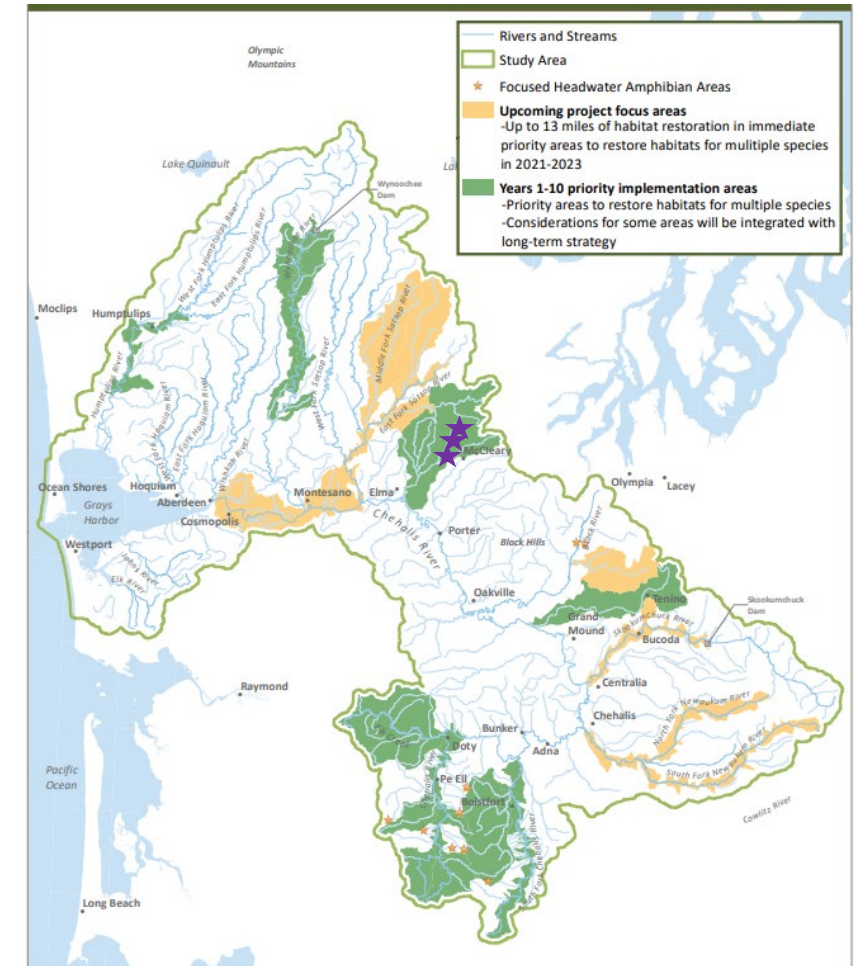
# BEAVER DAM ANALOGUES

- **Description:** 8 experimental beaver dam analogue installations
  - Associated monitoring will evaluate effectiveness and potential scaling to other areas in basin
- **Goals:** Enhance pool habitat, promote floodplain connectivity, retain sediment, lower water temperatures, increase water storage
- **Construction timeline:** summer 2022 (4), summer 2023 (4)



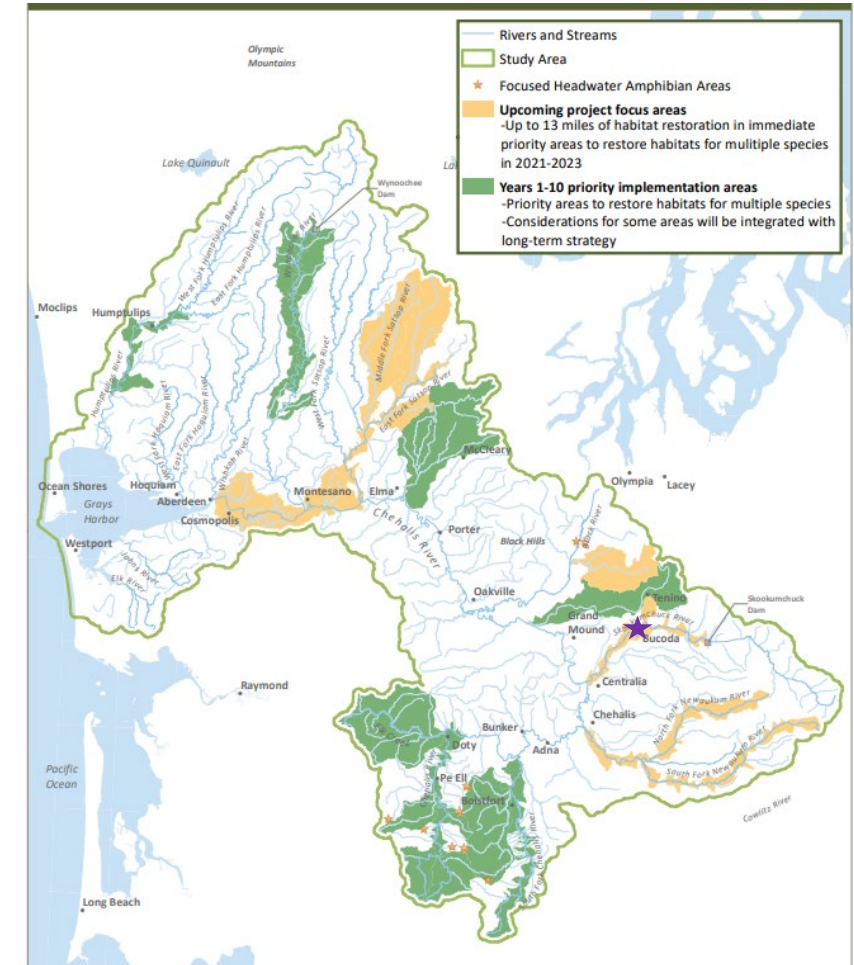
# MIDDLE FORK WILDCAT CREEK BARRIERS

- **Description:** 3 sequential fish passage barrier corrections
- **Goals:** Improve 3.7 miles of access to upstream forested habitat, enhance crossing habitat
- **Construction timeline:** summer 2023

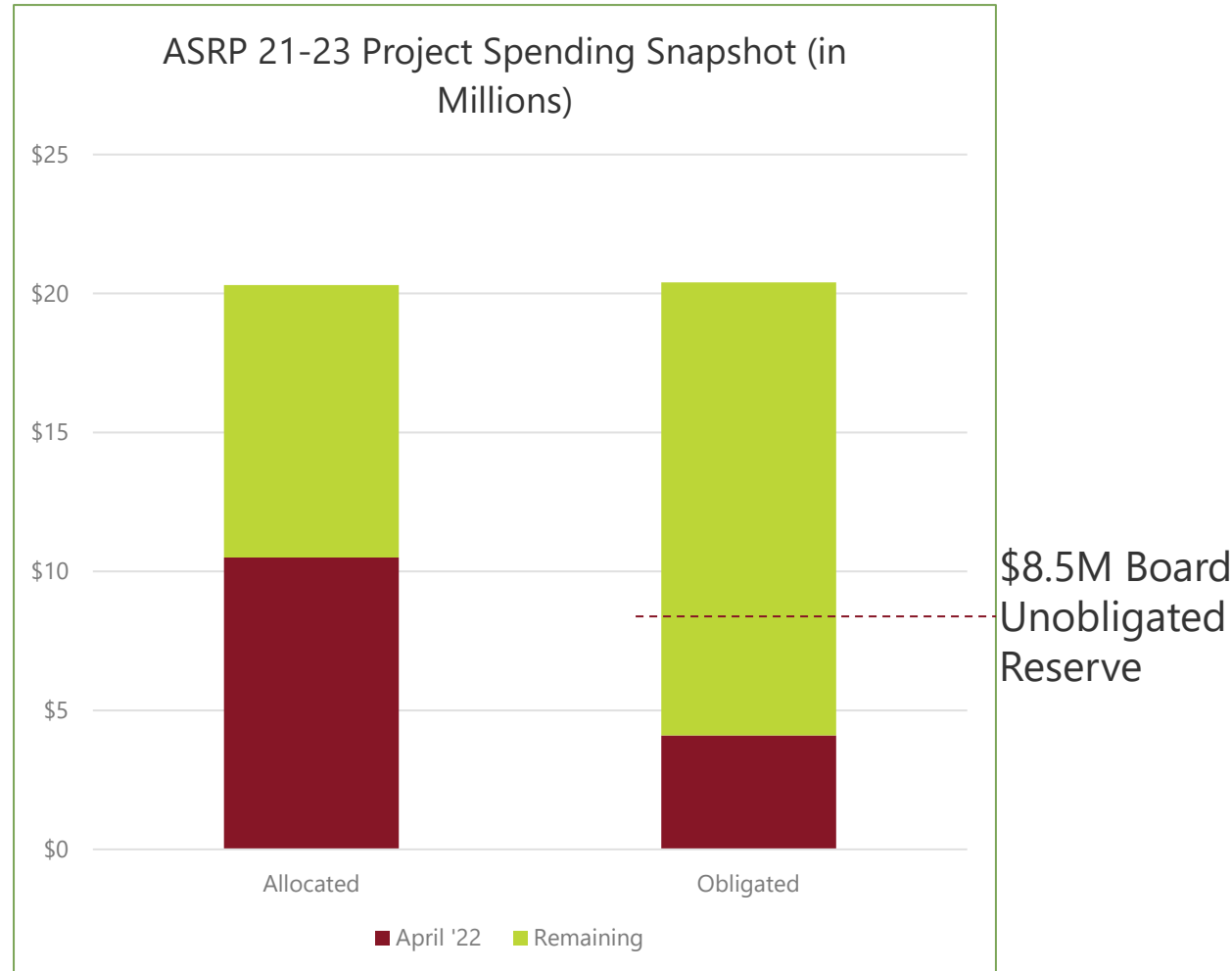


# RIVERBEND RANCH REACH PROJECT

- **Description:** 2.5 mile reach project on Skookumchuck River (RM 11.5-14)
- **Goals:** kickstart natural riverine processes, improve instream habitats, slow channel migration to natural rates, correct failing tributary culverts
- **Construction timeline:** summer 2023-2024



# ASRP PROJECT SPENDING



- Red bars will continue to increase as new projects are input into the Portfolio
- 12 more proposals in differing stages of review for potential funding
- Further discussion on Board reserve funds to advance priority ASRP projects

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# 2022 ASRP SYMPOSIUM



# 2022 SYMPOSIUM

- April 20<sup>th</sup>-21<sup>st</sup>
- 9:00am - 12:30pm
- Virtual & free to attend
- Open to public

Register: [chehalisbasinstrategy.com/asrp-symposium-events/](https://chehalisbasinstrategy.com/asrp-symposium-events/)

# 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

# 2022 SYMPOSIUM: DAY 1

April 20<sup>th</sup> 9:00am- 12:30pm

- Keynote: **Urban Eberhart, Kittitas Reclamation District**
- Reach scale project panel
  - › Landowner, coordination, design, protection perspectives
- Research to inform restoration planning
  - › Thermal considerations for project implementation
  - › Perceptions of beaver & considerations for beaver related projects
- Resources for project implementation
  - › Permitting, cultural resources, coordination resource collaboration



# 2022 SYMPOSIUM: DAY 2

April 21<sup>st</sup> 9:00am- 12:30pm

- Keynote: **David Troutt, Nisqually Indian Tribe**
- Monitoring Trends through Implementation
  - › Salmon population and distribution trends
  - › Predation & invasives: How native and invasive species fare through time
  - › Amphibians: Are we keeping up with the needs of specialized species?
- Minimizing Data Gaps
  - › Better understanding freshwater mussel die-offs
  - › Rates of spring and fall chinook hybridization in the Chehalis
- Project implementation collaboration
  - › Discuss challenges and opportunities to build on early implementation efforts

# 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/asrp-symposium-events/>

We look forward to seeing you at the Symposium!



# QUESTIONS OR DISCUSSION

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