



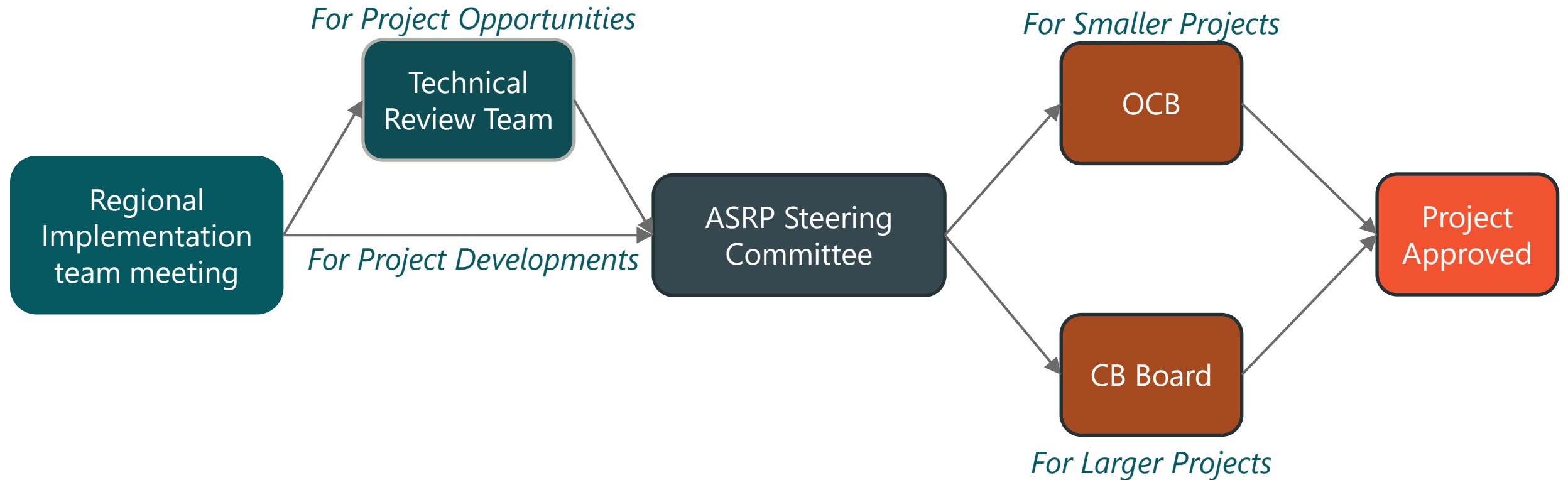
# Cloquallum Knotweed Control

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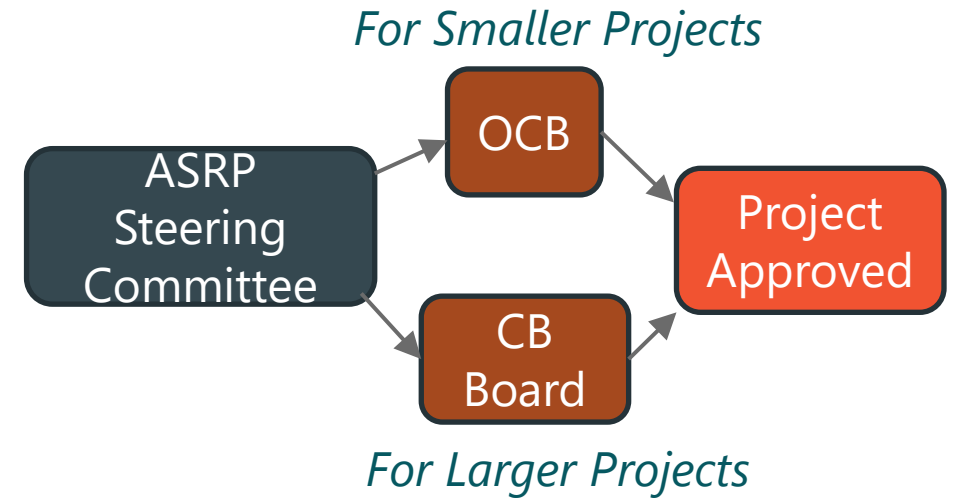
# HOW DO WE APPROVE ASRP PROJECTS?



# ASRP PROJECT FUNDING APPROVAL

## ASRP project approval process:

- Board approval needed for project funding requests exceeding \$500,000
- Two-part approval process
  - ***First meeting – project introduction***
  - Second meeting – decision/vote to approve (or not approve) project for funding

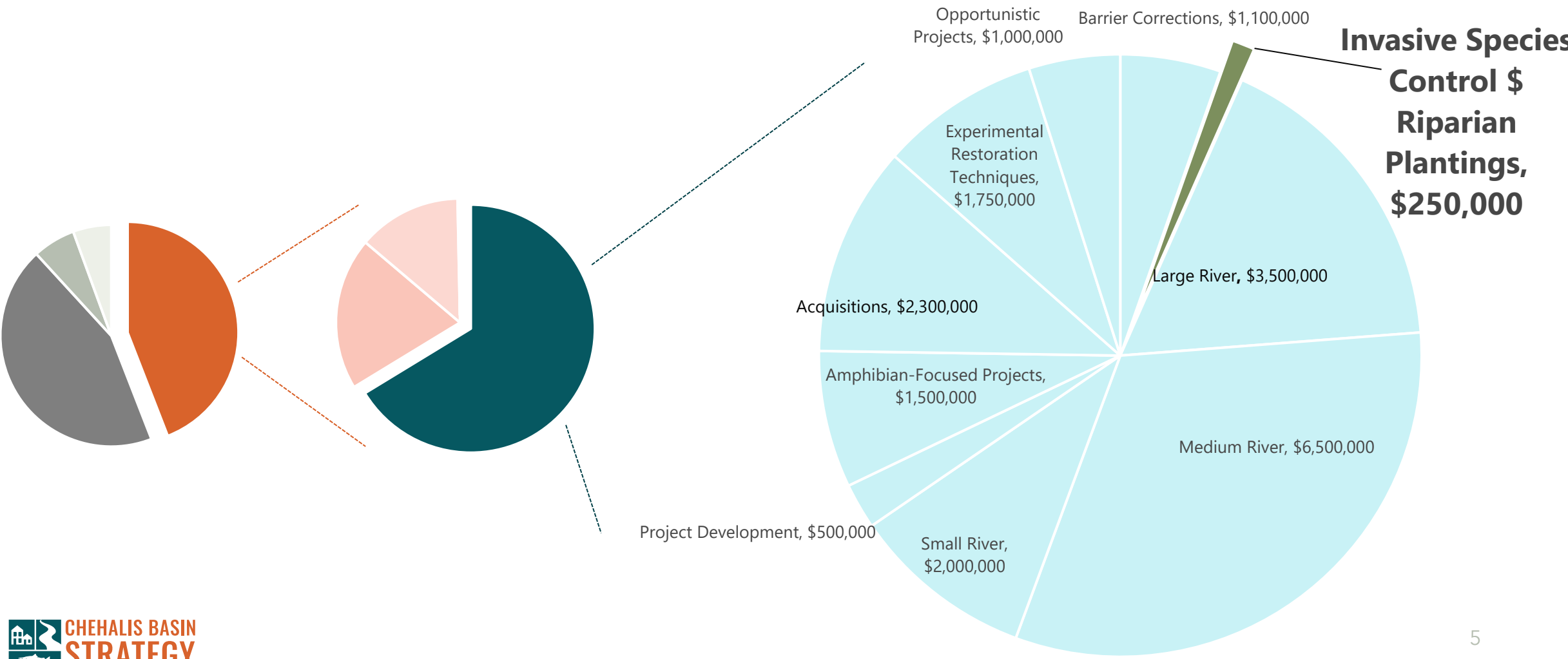


# ASRP BUDGET STATUS & PROJECT REQUEST

- Project: Cloquallum Knotweed Control
- Sponsor: Grays Harbor Conservation District
- Seeking: \$675,276

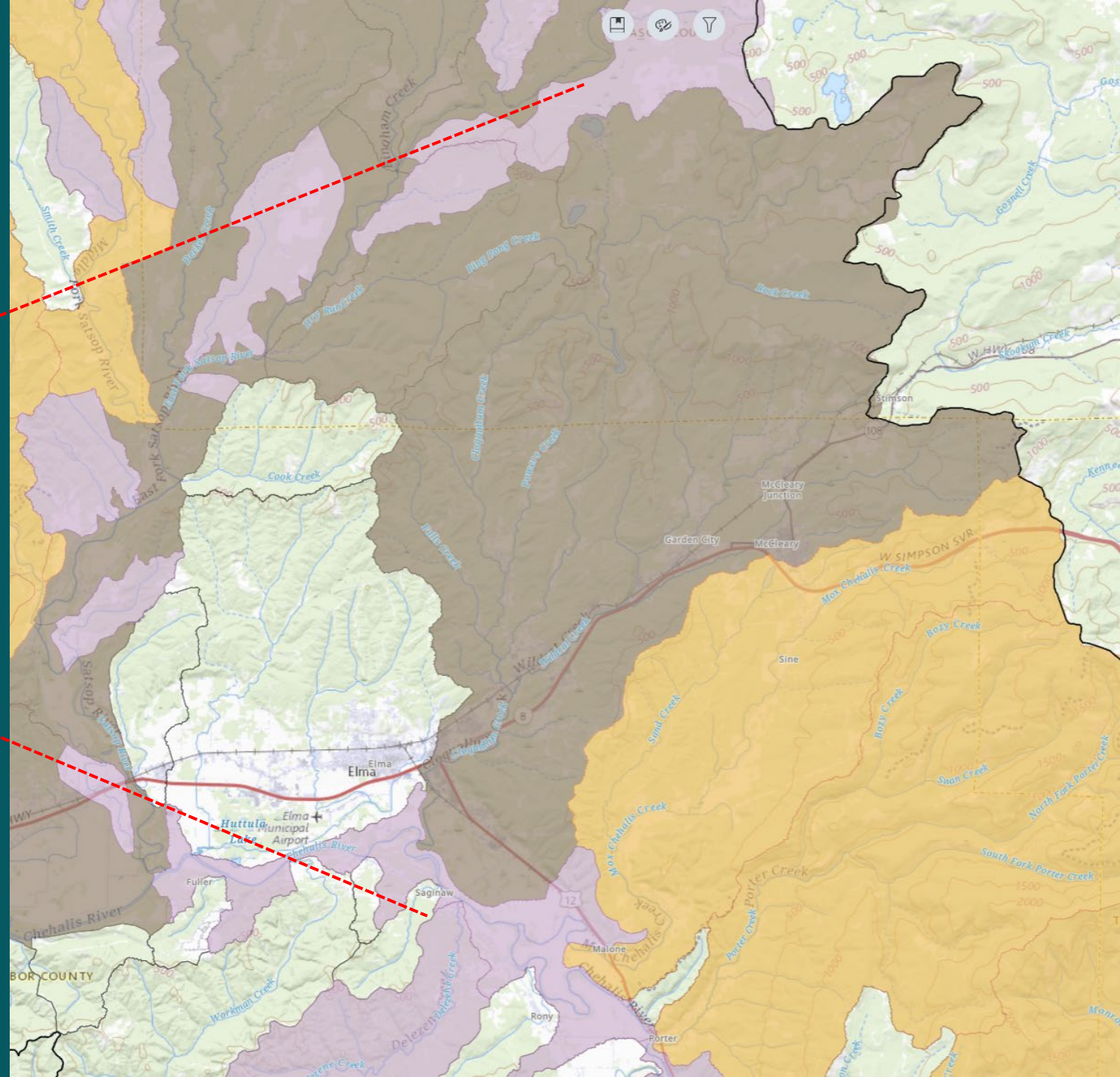
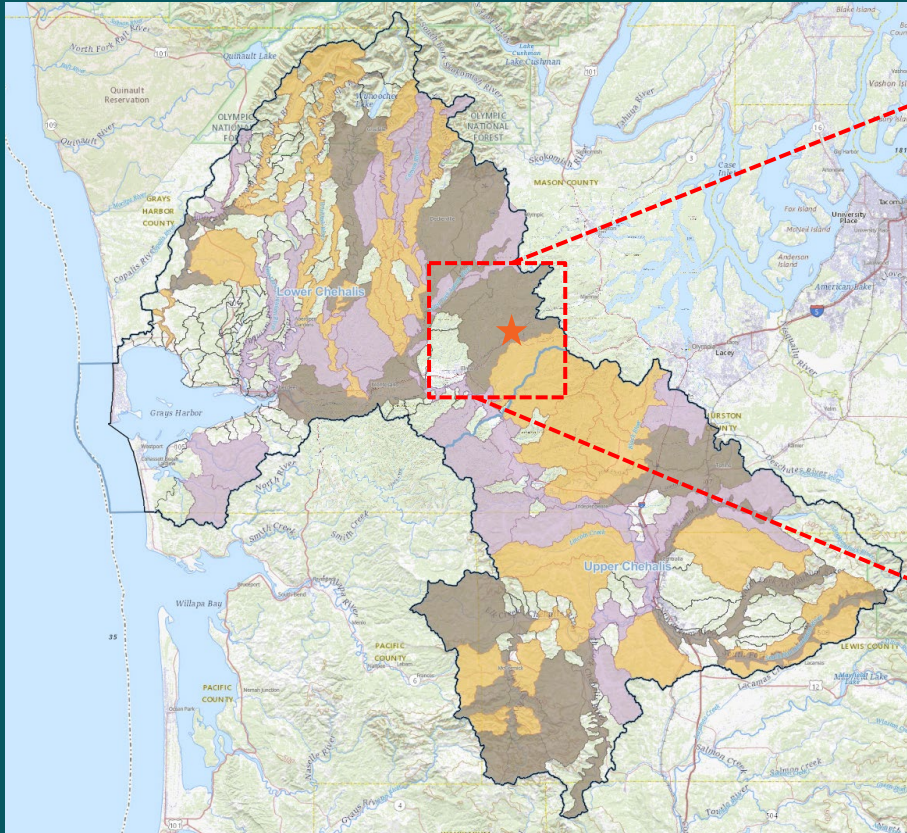
	As of 3/27/2024	With proposed project
Obligated ASRP implementation funding	\$4,759,850	\$5,435,126
Remaining 23-25 Unobligated	\$19,972,757	\$19,297,481

# CONNECTION TO CHEHALIS BASIN STRATEGY





# CLOQUALLUM LOCATION



# CLOQUALLUM KNOTWEED CONTROL

- **Sponsor/Budget:** GHCD / \$675,276
- **Location:** Grays Harbor County; Cloquallum GSU (**Near-Term Priority Area**)
- **Landowner:** Mostly rural residential; some managed timber
- **Scope:** Surveying, landowner outreach, and control of noxious knotweed throughout the Cloquallum Basin over a five year period
- **Limiting Factors:** **Temperature, Key Habitat, Barriers**
- **ASRP Priority Actions for this location:** **Place Large Wood, Remove Fish Passage Barriers, Riparian Restoration (High), Floodplain, BDAs (medium)**
- **ASRP Focal Species(Focal; Indicator):** *Winter steelhead, fall Chinook, coho, chum*



# PROJECT DESCRIPTION

- Stream and road knotweed surveys (yearly)
- Landowner Outreach + Education (ongoing)
- Development of knotweed database for Cloquallum
- Site treatment: 2-4 years of spraying
- Riparian Plantings





# WHY WORRY ABOUT KNOTWEED?

Diverse native riparian vegetation



Replaced by

Invasive monoculture

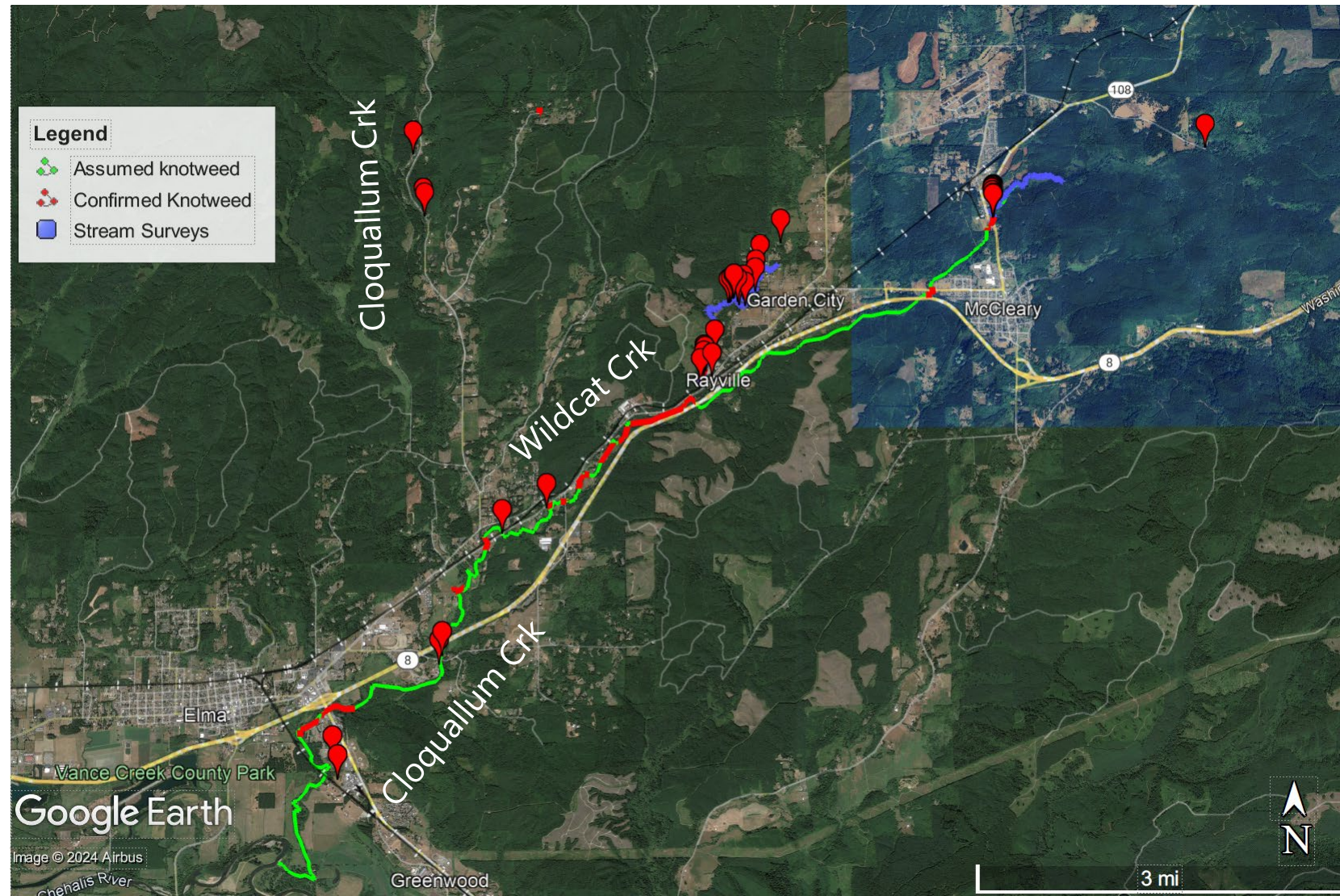


- Increased erosion
- Higher temperature
- Less food available
- Less shelter for aquatic species



# PROJECT DEVELOPMENT

- Surveys completed in 2023
- About 13 miles of assumed knotweed presence
- 9.5 miles rural residential
- 1.5 miles agricultural
- ~2 miles on WF Wildcat





# INTENDED PROJECT BENEFITS

## ASRP limiting factors for Cloquallum

Project actions

	Temperature	Key Habitat	Habitat Diversity	Channel Stability
<b>Knotweed Removal + Riparian Planting</b>	Increase shading → Lower temperature	Increase wood in stream → Increase refugia (flow, predator, temperature)	Increase plant diversity → Increase food supply (and more)	Increase roots → Increase stability → Decrease erosion





# PROJECT METRICS/OUTCOMES

## Outcomes (Funded by this project):

- 63 acres of invasive treatment (multiple years)
- 50 acres of planting
- 63 acres of floodplain restoration
- About 250 to 300 landowners engaged



*Knotweed on the Cloquallum*

# PROJECT IMPLEMENTATION TIMELINE

- Winter/spring 2024: Surveys, mapping, outreach
- Summers 2024-2028: Knotweed treatments and re-treatments
- Falls+winters 2024-2028: update knotweed maps, native plantings (starting 2027)
- Spring: Project end + final report

# BUDGET

Funding context:

- GHCD leading watershed planning committee to develop Cloquallum prioritized strategy (ASRP funded)
- GHCD has submitted additional restoration projects in area for ASRP funding

Item	Cost
Outreach & Initial Mapping	\$13,400
Implementation: Knotweed Eradication	\$248,318
Implementation: Riparian Planting	\$261,178
Project Management & Implementation Oversight	\$152,381
<b>Total Project cost</b>	<b>\$675,276</b>



# FEEDBACK

- Landowner training and GH Noxious Weed Board can continue control efforts after year 5
- Project actions could reduce cost of noxious weed control component of future projects in basin
- Currently a lot of landowner interest in knotweed removal in the Cloquallum
- Applying to ASRP due to longer grant period & higher grant amounts
  - Greater confidence in achieving project outcomes
- Project reviewers say: high likelihood of success

# TASK: PROJECT DISCUSSION

- This project is asking for implementation funding of \$675,276
  - Because this amount is greater than \$500,000, the Board must take action to approve funding request
- The Board will take action on this funding request at the **May 2, 2024 Board meeting**
- Please send any additional questions to Drew Mealor ([Andrew.Mealor@dfw.wa.gov](mailto:Andrew.Mealor@dfw.wa.gov))