

Chehalis RM 13-20 (Tidal Mainstem GSU)

Grays Harbor Conservation District

Chehalis RM 15.5-17.5 ASRP Project

Timeline:

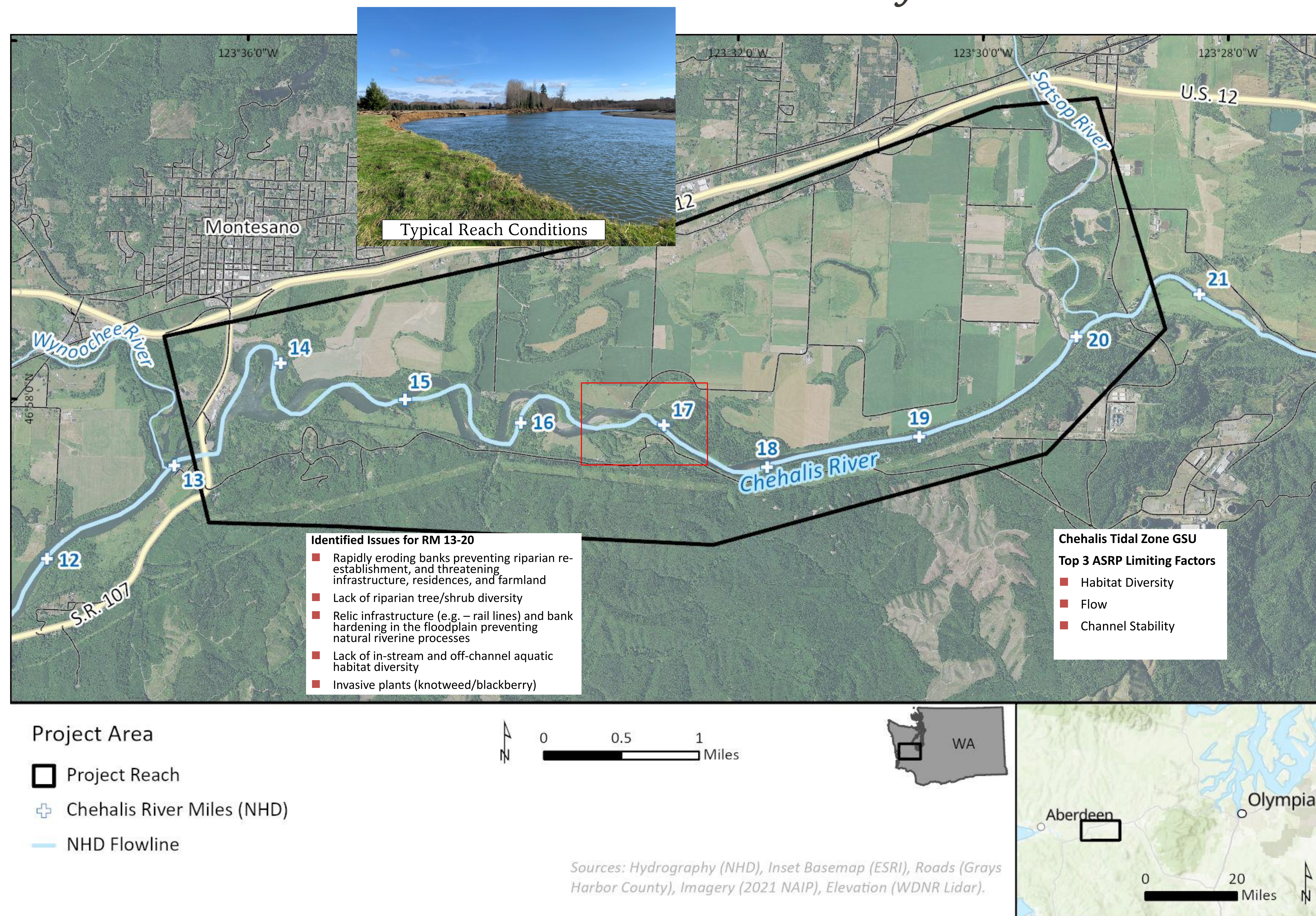
- 2023 – 2025: Concept Design/Alternatives Analysis
- 2025: Preliminary Design with chosen alternatives
- 2026-2030: Ongoing design/implementation (funding dependent)

Goals/Objectives:

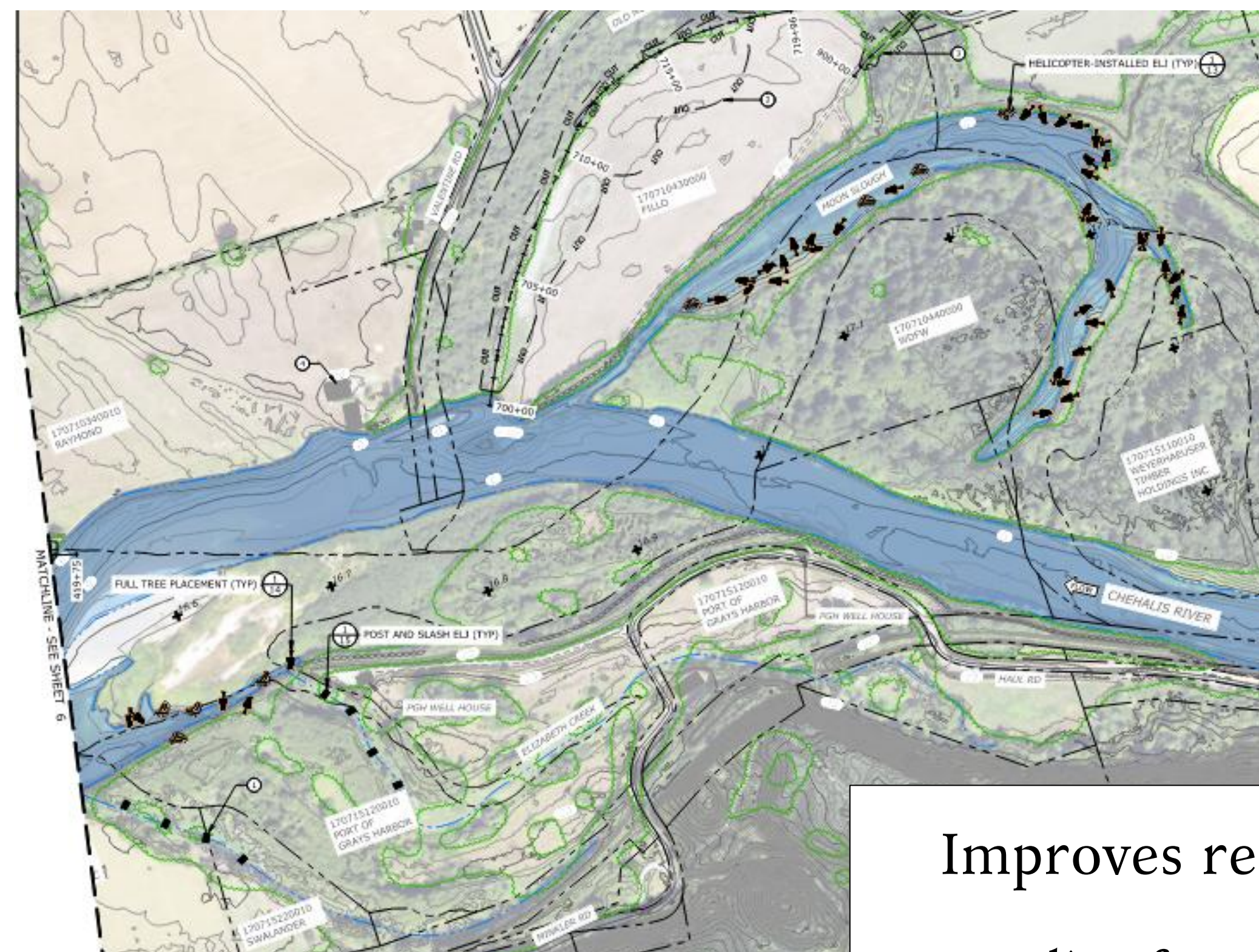
- Address the factors limiting aquatic species productivity
 - Re-establish the processes that maintain aquatic habitat diversity by re-establishing native tree and shrub successional processes
 - Increase the quality and quantity of juvenile salmonid rearing habitat during key outmigration periods
 - Increase the quality and quantity of wetland habitat

Notable Alternatives Analysis Results:

- Bioengineered bank erosion reduction techniques are NOT feasible due to high cost and low aquatic species benefit
- Best bang for the buck habitat restoration actions are:
 - Wood loading in off-channel tidal habitats to improve quality of those habitats for rearing salmonids
 - Riparian restoration in areas outside of near-term erosion hazard areas
 - One out of 5 potential side channel reconnection concepts could provide sustainable off-channel habitat
 - Wetland creation in the reach would provide increased habitat for wetland species
 - Continue conversations with landowners about conservation acquisition and infrastructure adaptation within the channel migration zone

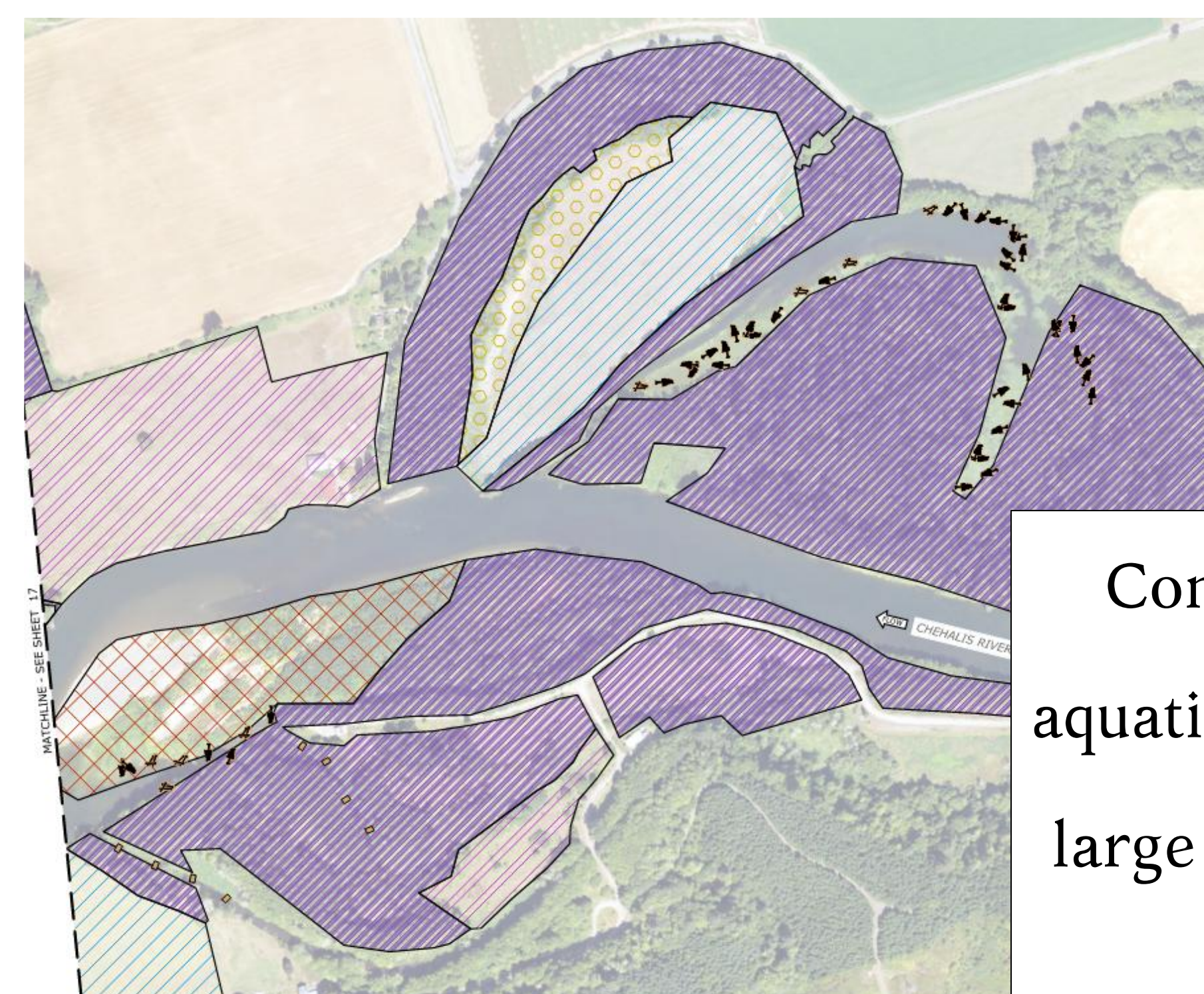


Concept: Wood Loading in Tidal Sloughs



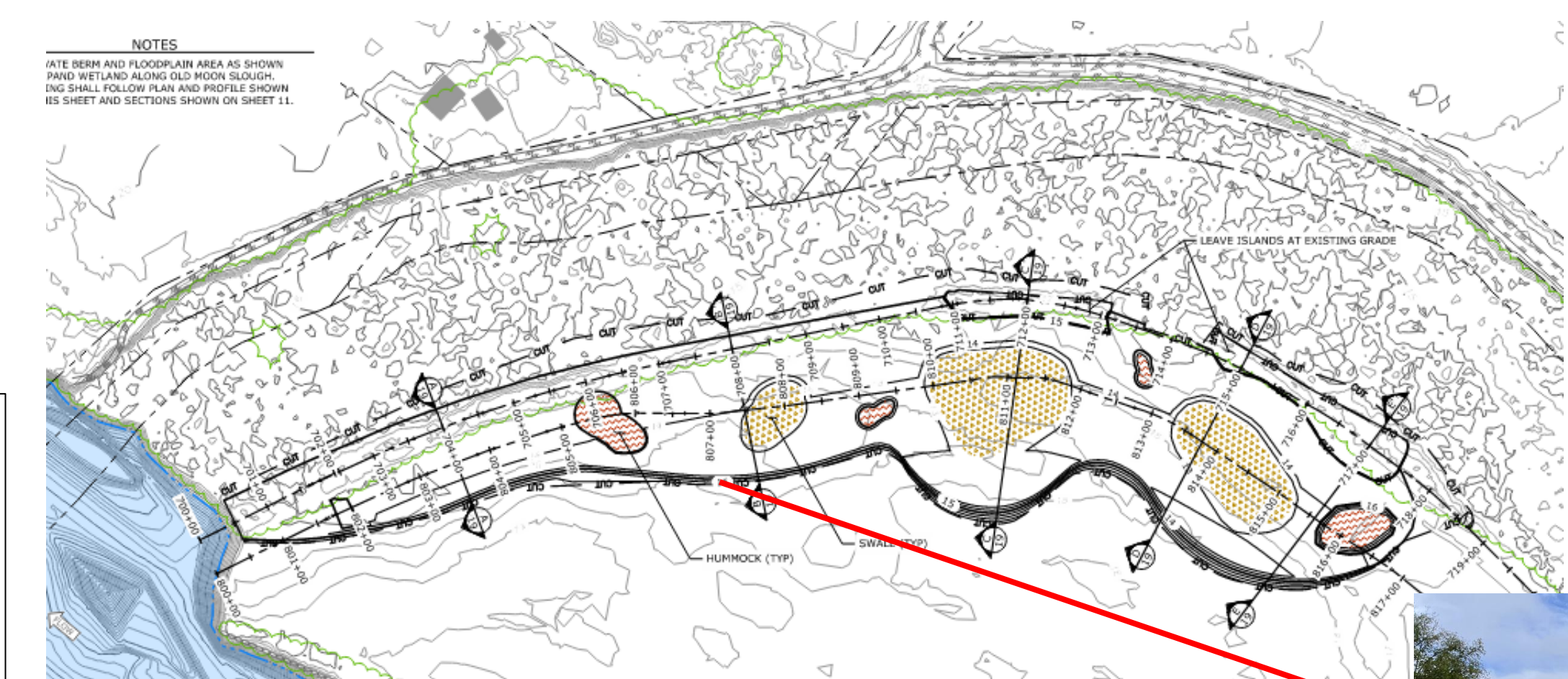
Improves rearing habitat quality for outmigrating juvenile salmonids

Concept: Riparian Restoration



Contributes to shading of aquatic habitats and long-term large wood additions into the system

Concept: Wetland Restoration at Old Moon Slough



Improve seasonal wetland habitat for amphibians and potentially create additional off-channel rearing area for salmonids



Proposed area to be excavated for wetland restoration