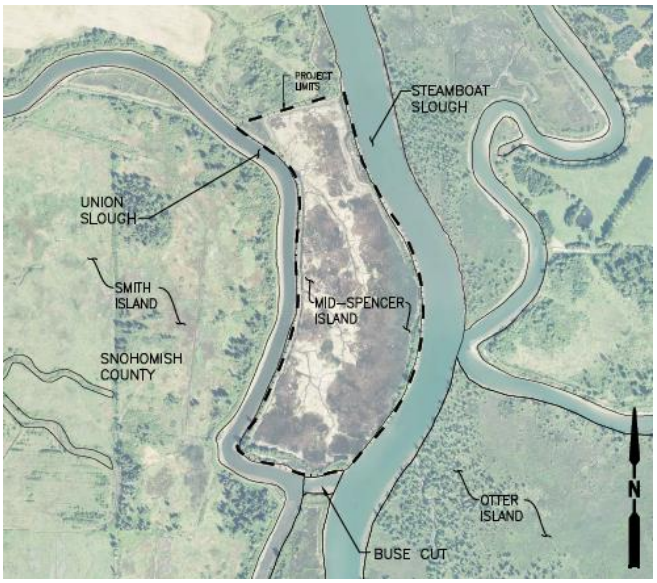
RCO PROJECT: 16-1559 RST, MID-SPENCER ESTUARY RESTORATION

Sponsor: Snohomish County Public Works

Construction Phase Budget: $1,050,000
$350,000 Federal, $350,000 State, $350,000 Sponsor



Request:

Snohomish County is requesting Snohomish Basin Chinook Salmon Recovery Forum approval of proposed scope change elements in the final construction design plans. This scope change request will go to the RCO and NOAA. This scope change request is to **eliminate the channel construction metric of up to 3200'.**

Project Status:

- 90% Design completed
  - Modifications requested for Final Construction Design (Scope Change)
- Construction planned for 2019 in-water work window
  - Require RCO extension, NOAA award has been extended to 12/31/2019
- Corps permits completed, State and Local in consultation
- Land Acquisition complete – SWM purchase ~18 acres of tidelands along Steamboat Slough
  - Required for access
  - Snohomish County PW – SWM purchased
  - potential future restoration and relic piling removal opportunities

Scope Change Request:

Continued observation of historically breached sites at Mid-Spencer and elsewhere in the Snohomish River estuary during the multi-year project design phase is informing the following two recommendations for finalizing restoration design

- Eliminate excavation of additional interior channels because the channel network geometry has already achieved design objectives.
  - Channel networks with total channel surface area and length comparable to unaltered reference locations nearby, such as at Otter Island (Based on Hood, 2014 methods)
- Relocate three remnant dike breach segments because the sites have already achieved design objectives
  - Natural degradation of the remnant dike has occurred at these locations

Current Project Elements include the following components:

1. Increase size and diversity of breaches by **1700 feet** of dike grading and breach widening
2. Increase connectivity between Steamboat Slough and other sloughs
3. Restore natural tidal exchange process by excavating up to **3200 feet** of starter channels within the projects interior

Proposed change to Project Elements:

1. Eliminate excavation of additional interior channels. Metric up to **3200'**
2. Relocate 3 naturally developed breach locations to new locations