

# Habitat Update

## Cowlitz River Annual Program Review and Science Conference

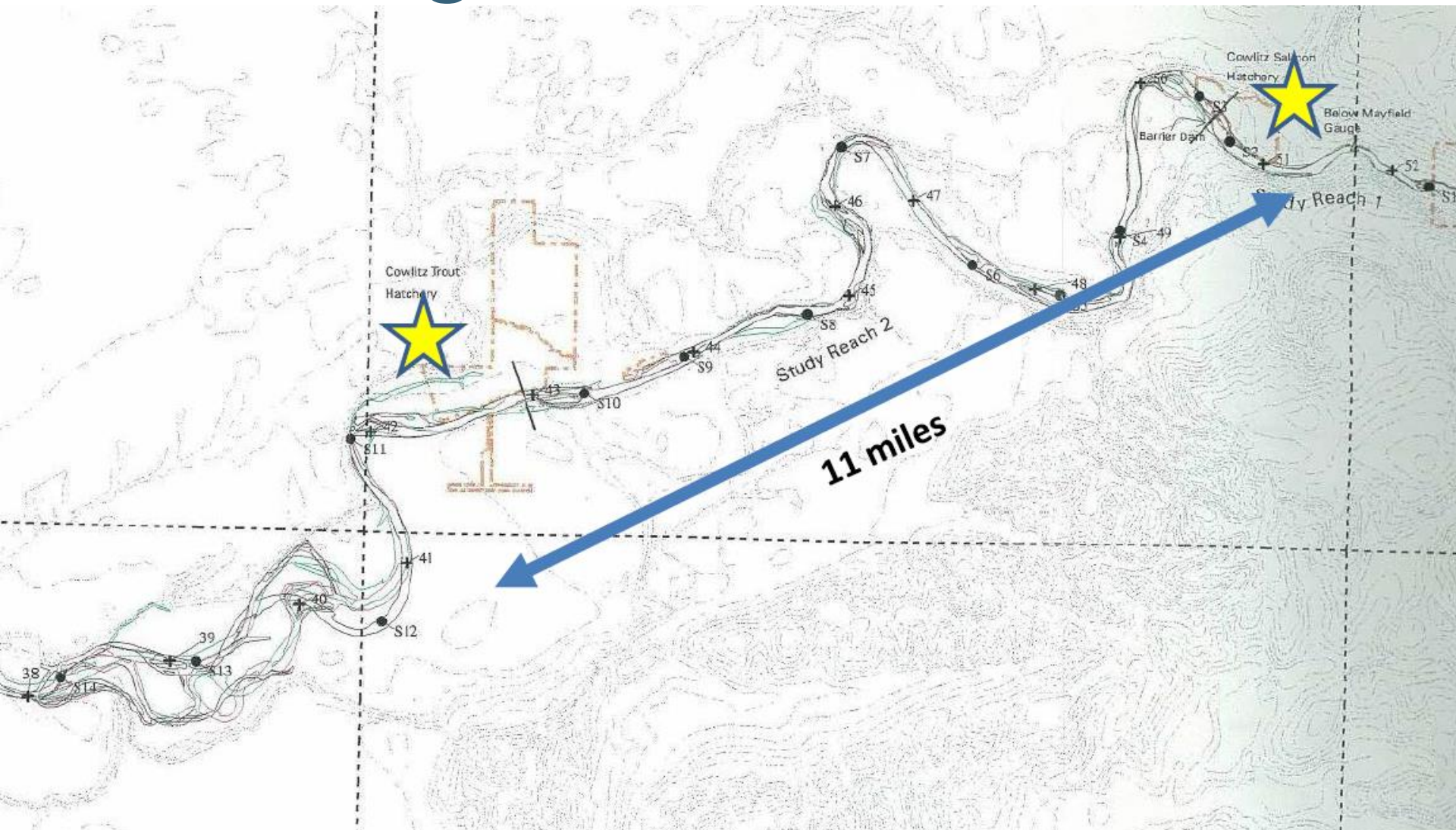
May 19, 2021

Travis Nelson  
Interim Wildlife and Lands Manager

- Gravel Augmentation
- Large Wood Placement and Monitoring
- Cowlitz Recovery and Restoration Program



# Gravel Augmentation



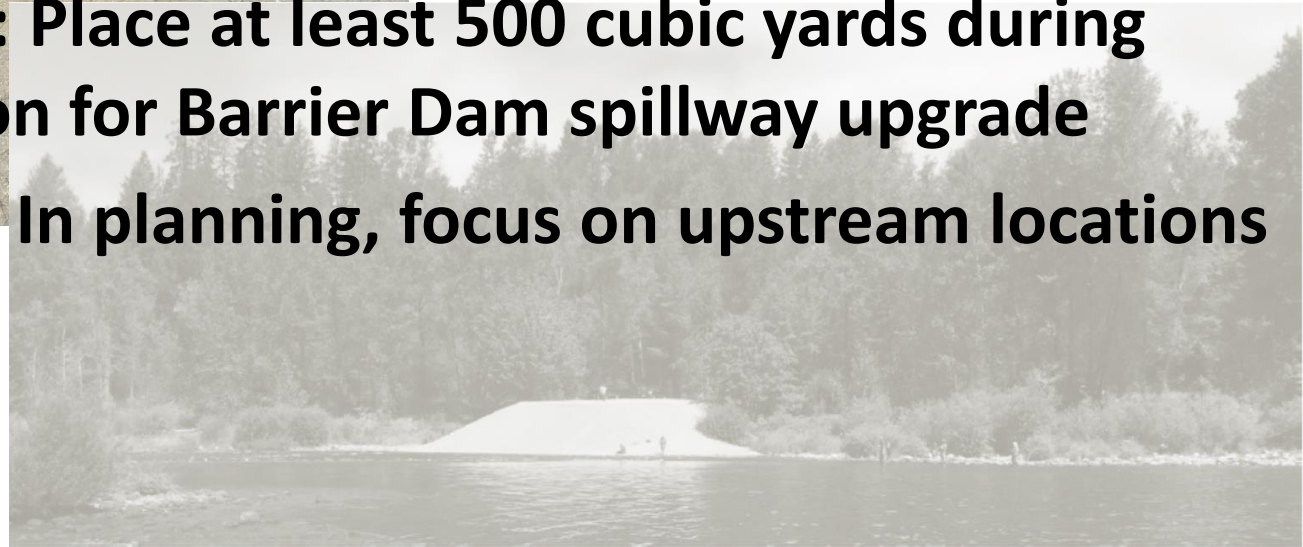


# Gravel Augmentation



# Gravel Augmentation

- Last placed in 2017
- Alternatives discussed with Fisheries Technical Committee (FTC)
- 2020: Developed a strategy
  - 2021-2023: Place at least 500 cubic yards during construction for Barrier Dam spillway upgrade
  - Long term: In planning, focus on upstream locations







# Large Wood Placement



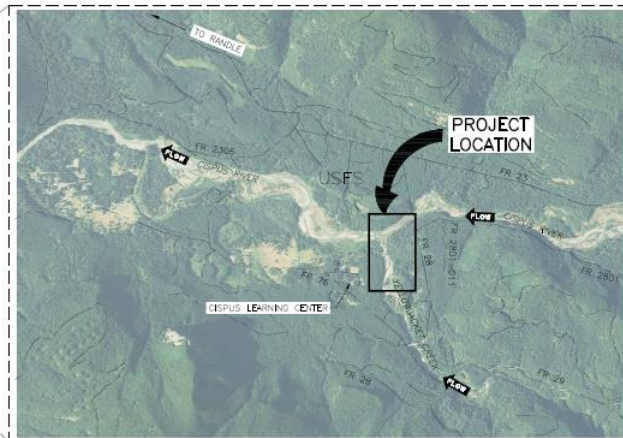


# CRR Program: Grants

## CISPUS RIVER HABITAT RESTORATION PHASE 3 DRAFT PRELIMINARY DESIGN



WASHINGTON STATE  
SCALE 1" = 50 MILES  
SCALE 1" = 50 MILES



VICINITY MAP  
SCALE 1" = 1000'

SHEET LIST	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	LEGEND
4	EXISTING CONDITIONS
5	OVERALL SITE PLAN
6	SITE PLAN
7	TYPE 1 DJI DETAILS
8	TYPE 2 DJI DETAILS
9	TEST DETAILS

### CONTACT INFORMATION

#### COWLITZ INDIAN TRIBE

ADMINISTRATIVE OFFICE  
1000 AVENUE, SUITE B  
LONGVIEW, WA 98552  
(360) 577-8140

#### NATURAL SYSTEMS DESIGN, INC.

1900 N. NORTH LAKE WAY, SUITE 211  
SEATTLE, WA 98103  
(206) 834-0770

IF THE DATE DOES NOT MATCH THE DRAWING IS NOT VALID TO BE USED



DATE OF REVISION AND DATE  
REV: 3-18  
REV: 3-18  
REV: 3-18

DESIGNED BY  
CHECKED BY  
DRAWN BY  
DATE

CISPUS RIVER HABITAT  
RESTORATION PHASE 3

COVER SHEET

1

SHEET 1 OF 9

Mar 06, 2019 30% DRAFT PRELIMINARY DESIGN, NOT FOR CONSTRUCTION




# CRR Program: Habitat Strategy

Upper Cowlitz-Cispus | lcfrb-1

lcfrib.gen.wa.us/upper-cowlitz-cispus-work-group

Apps TPU USGS Current Cond... Northwest River For... Recordings of Previ... Home - Natural Res... Dashboard < Tacom... Other bookmarks



## LOWER COLUMBIA FISH RECOVERY BOARD

HOME ABOUT US PROGRAMS GRANTS LIBRARY HABITAT STUDIES SALMONPORT

### Upper Cowlitz - Cispus Habitat Strategy

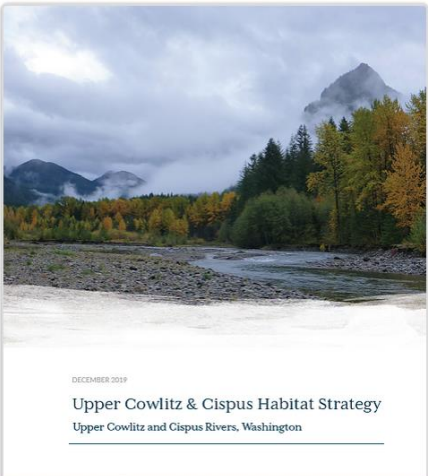
The Lower Columbia Fish Recovery Board worked with community stakeholders to develop a habitat restoration and conservation strategy for the upper Cowlitz and Cispus watersheds in 2018 and 2019. This strategy supports near and long-term ESA-listed salmon and steelhead recovery needs.

#### Strategy Report

[Report](#) [Appendix C](#)  
[Appendix A](#) [Appendix D](#)  
[Appendix B](#) [Appendix E](#)

#### Supporting Information and Data

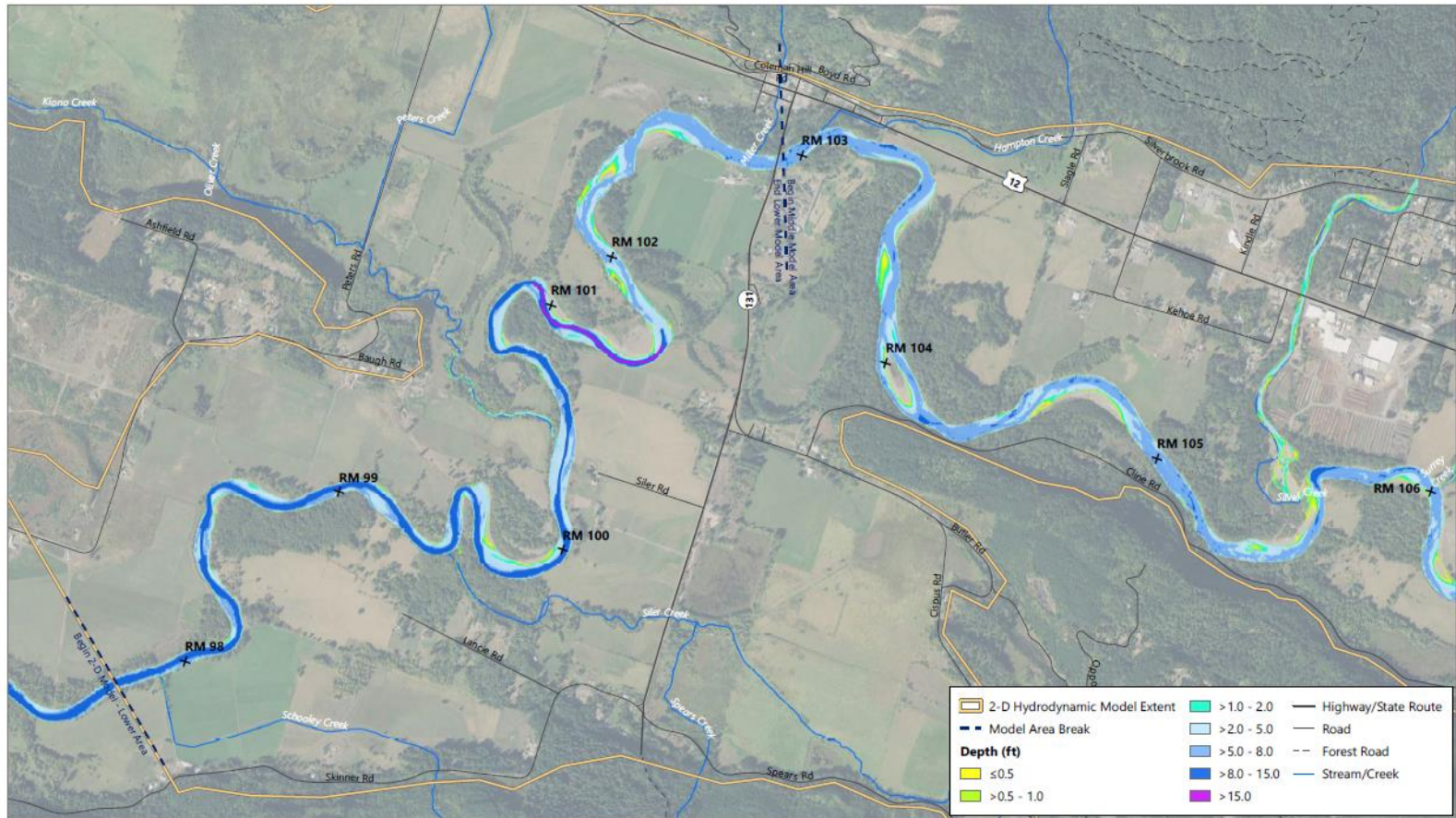
[Habitat Actions](#)  
[Landscape Unit Boundaries](#)  
[Supporting Fish and Habitat Spatial Data](#)  
[IWA Subwatersheds](#)  
**Lewis County GIS files:** contact the [Lewis County GIS Department](#)  
**US Forest Service fire and fish distribution data:** contact [Randle Station](#) staff for additional information.  
[Washington DNR Lidar Data](#)  
[Washington DNR Geology Data](#)  
[Beechie and Imaki \(2014\) Channel Types](#)  
**Tacoma Power Habitat Data:** this includes a geomorphic assessment for the Upper Cowlitz and Cispus watersheds and the Upper Cowlitz and Cispus Rivers, Washington.



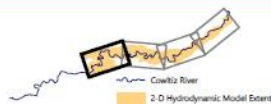
DECEMBER 2019  
Upper Cowlitz & Cispus Habitat Strategy  
Upper Cowlitz and Cispus Rivers, Washington

Windows taskbar: File Explorer, Edge, Outlook, Teams, Chrome, PowerPoint, Word, Excel, System tray: 10:05 AM 5/12/2021

# CRR Program: Hydraulic Modeling



Publish Date: 2020/10/16, 12:41 PM | User: epiklin  
 Filepath: Q:\Info\TacomaPower\_0479\Cowlitz Restoration and Recovery Habitat Assessment\Map\CR Mapbook Depth Winter Average High Flow.mxd



**Figure 1**  
 Winter Average High Flow Depth

Cowlitz River Restoration



# 2021 Preview

Gravel: Placement at Barrier Dam (~Aug)

Large Wood: Placement at Blue Creek (~Aug)

CRR:

- Enter into first grant agreement (2019)
- Continue refining program strategies and guiding principles
- 2022 grant rounds for both project types

# Questions

