### Yakima River Basin Integrated Water Resource Management Plan Cle Elum Reservoir Projects

Columbia River Policy Advisory Group March 1, 2018





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# Yakima River Basin **Overview** Ellensburg akama Nation Lakes and Waterbodie feature location relative to other landmarks. Geographic features may have been intentionally simplified and a statement to assist in feature location relative to other landmarks. Geographic features may have been intentionally simplified in an attempt to provide a more readable product. No representation is made as to the accuracy of this document.

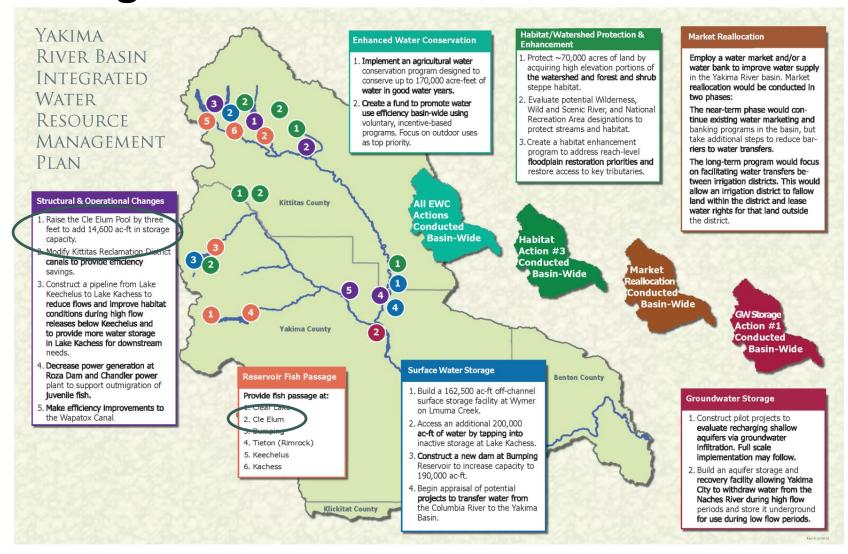


- 5 reservoirs w/ 1M AF capacity, irrigation deliveries 2.3M AF
- Droughts in 1992-1994, 2001, 2005, and 2015
- Reduced Fisheries
- \$4.5 Billion agriculture economy





### **Integrated Plan Overview**







# Cle Elum Pool Raise

Structural and Operational Changes





#### Shoreline Protection Area Habitat Improvement Area Salmon La Sac Road Embankment Area Mileage Indicator 2.240-foot Elevation Contour (Current Maximum Pool) Major Roads Completed Project Element (...) Est. Construction Start Date 5,000 Wish Poosh (Sept 2019) Boat Launch Wish Poosh Campground (Sept 2019) Bear Creek Sandelin Lane WSDOT Pullout Speelyi Bead Saddle Dike 3 Use Area (Sept 2018) Dike 2 (Oct 2019)

### **Cle Elum Pool Raise**

# 14,600 acre-feet for Yakima River instream flows

- Modify radial gates
- Shoreline protection
- Land acquisition







### **Cle Elum Pool Raise**

- Radial Gate Modification completed April 2017
- Shoreline Protection
  - Completed
    - Dikes raised Sept 2016
    - Cle Elum River Campground Nov 2017
  - Ongoing
    - Award Speelyi Day Use Area Summer 2018, Construction Fall 2018
    - Preparing construction contracts
    - Continued coordination with USFS and landowners
- Land Acquisition
  - Ongoing
    - Negotiation and coordination with landowners





## **Cle Elum Dam Pool Raise Radial Gates Complete**









## Cle Elum Pool Raise

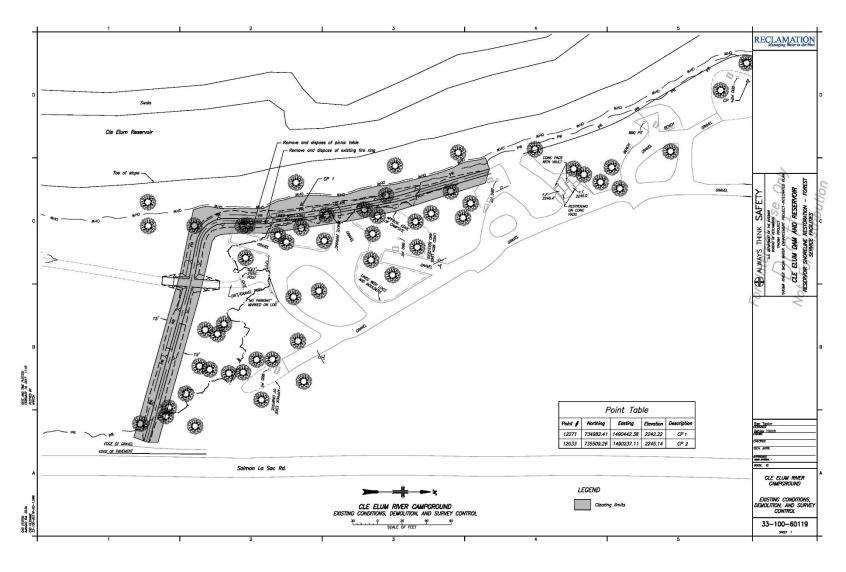
# **Shoreline Protection**

# **USFS**Facilities





#### **Cle Elum Reservoir Shoreline Construction**



Cle Elum River Campground





### Cle Elum Reservoir Existing Shoreline



Cle Elum River Campground





#### **Cle Elum Reservoir New Shoreline**







## Cle Elum Reservoir Existing Shoreline

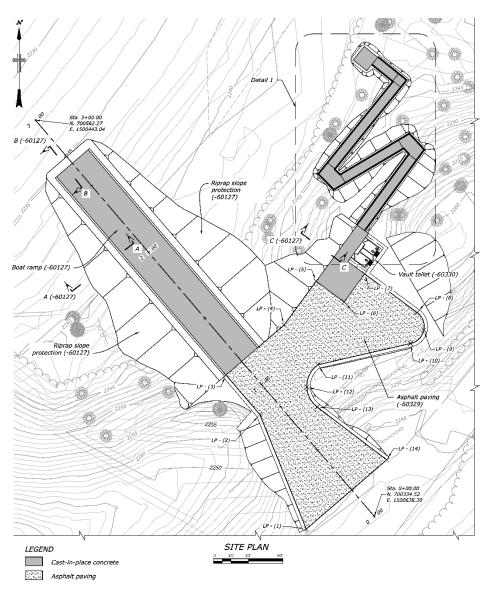








#### **Cle Elum Reservoir Shoreline Construction**







# **Cle Elum Pool Raise Project Contracts/Timeline**

Cle Elum Dam Pool Raise Contracts	Duration	Status
Radial Gates	2 years	Completed – April 2017
Cle Elum River Campground	2 months	Completed – Nov 2017
Speelyi Beach Day Use	1 year	Award - 2018
Wishpoosh & Speelyi Beach	1 to 2 years	Award - 2019
Sandelin	1 to 2 years	Award – TBD*
Domerie Bay	1 to 2 years	Award – TBD*
Timber Cove	1 to 2 years	Award – TBD*
Anna Bell	1 to 2 years	Award – TBD*
Morgan Creek & Night Sky Drive	1 to 2 years	Award – TBD*

<sup>\*</sup>Contingent on funding





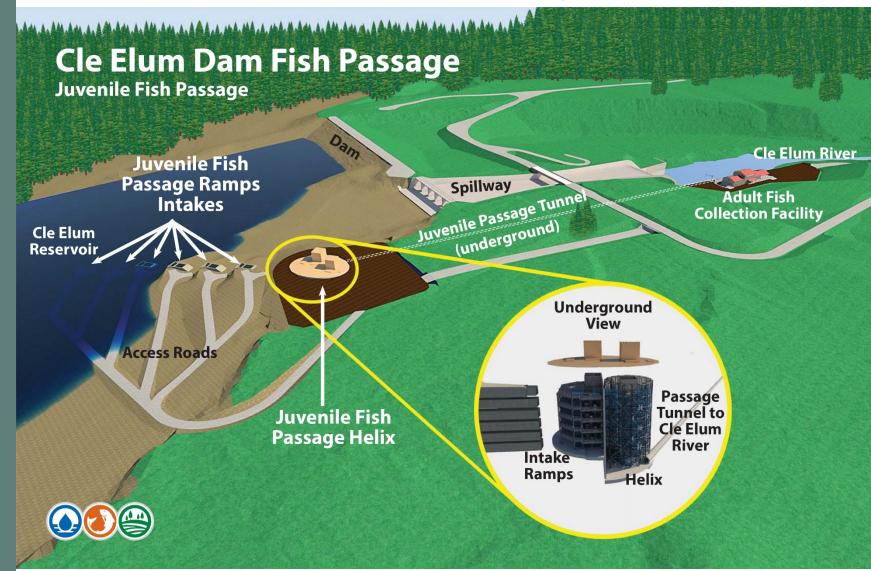
# Cle Elum Dam Fish Passage Facilities

Reservoir Fish Passage





### Cle Elum Dam Fish Passage







#### **Cle Elum Dam Fish Passage Construction**

7/15/2014



7/13/2017







# Cle Elum Dam Fish Passage - Secant Pile Construction – Secant with completed cap beam







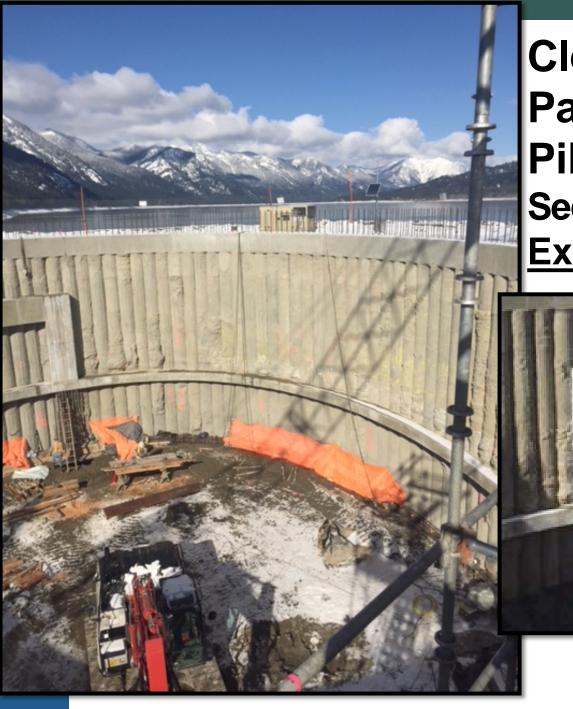
# Cle Elum Dam Fish Passage - Secant Pile Construction – Secant <u>Vault Excavation</u>











Cle Elum Dam Fish Passage - Secant Pile Construction – Secant Vault Excavation





# **Cle Elum Dam Fish Passage Facilities Contracts/Timeline**

Cle Elum Dam Fish Passage Project Contracts	Construction Duration	Status
Roads and Bridge	1 year 3 mo	Completed - 10/16
Secant Pile	2 to 3 years	Construction In Progress
Tunnel	2 Years	Awarded - 08/17 Construction 2018-19
Intake Structure, Gate & Helix	3 years	Award – 2018 Construction 2019-21
Adult Facility	2 years	TBD





# Questions?

For further information on the web:

http://www.usbr.gov/pn/programs/yrbwep/2011integratedplan/

http://www.ecy.wa.gov/programs/wr/cwp/YBIP.html



