

The River Runs By It:

An Update on the Yakima River Delta Restoration 1135 Project

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The river runs

Richland Wye

240

100

What We Will Cover

Brief Background of the Problem

Project Updates

Current Status of the Project

Many project titles....

- Bateman Island Causeway Conceptual Design
- Bateman Island Causeway Modification
- Bateman Island Causeway Project
- Bateman Island Project
- Yakima River Delta Enhancement Project
- Yakima River Delta Restoration Project

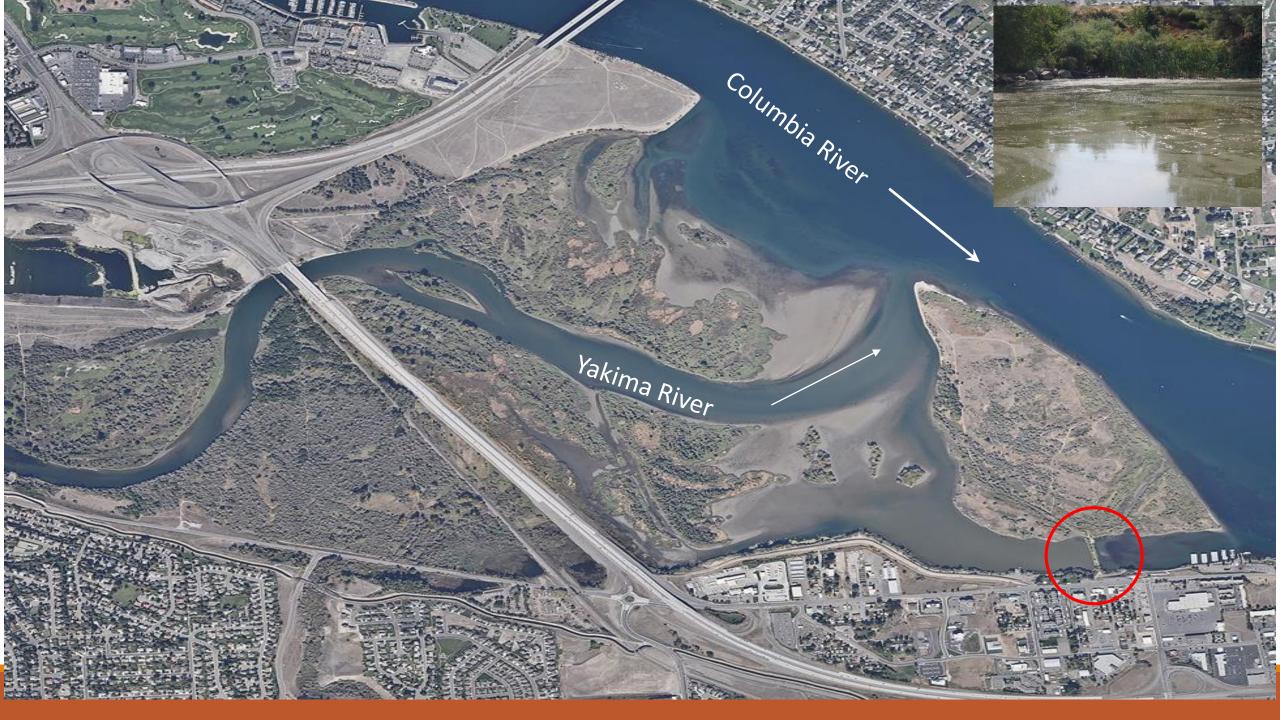
Same message...

- Causeway is a complete barrier to fish passage and river flow.
- Back water area is ideal habitat for non-native predatory fish.
- Temperatures of 77-86 degrees = thermal block to late migrating salmon.

Fish Passage Recreational Access Protect Marina and Boat Launch







A river runs by it but would like to flow through. The tribes have always used it Lewis and Clark saw it too.

An island, a shore connected before the great War. Seventy-plus years later all the issues are greater.





Nov 1964

The construction of McNary Dam in the mid-1950s dramatically altered the nature of the Yakima Delta.

The current is gone, native fish diminished. Ecology has changed clearer water vanished.



Restoration is planned And people will speak. Ecology improved in about 260 weeks.

Native fish schooling Swimming to and fro. Native fish in cool water It's quite simple, not so.

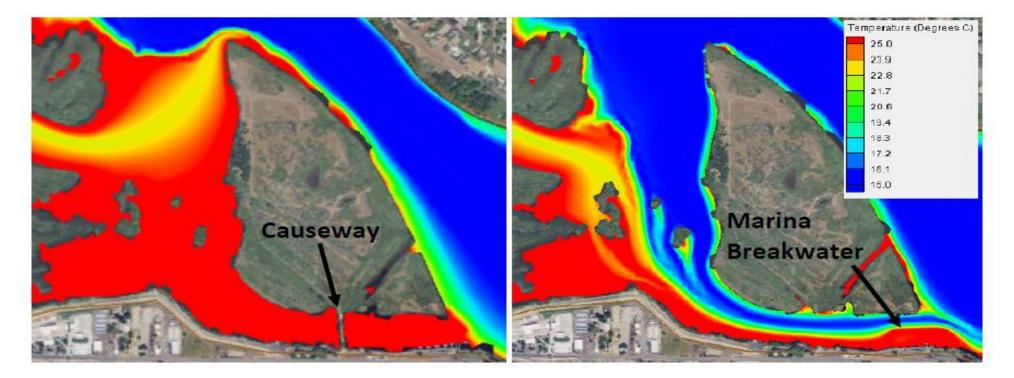


Figure EX1: Simulated Temperatures for a Moderately High Columbia River Discharge on July 8, 2012, (Left) Existing Conditions, (Right) Alternative 8, Full Causeway Removal with a Breakwater around Marina

Full Breach with Breakwater Protecting Marina



The Yakima Delta Restoration Project is an integral part of the YBIWRMP

Yakima Basin Integrated Water Resources Management Plan **Initial Development Projects**

Fish Passage

54

6712

6

80

2

10

7

YAKIMA BASIN BUILDING A FUTURE FOR WATER. WILDLIFE & WORKING LANDS

1. Cle Elum Dam 2. Tieton (Rimrock) Dam

Agricultural Conservation (2013-2015)

- 1. Kennewick Irrigation District (KID) Division IV Lining
- 2. Wapato Irrigation Project (WIP) Piping Lateral 4-414C
- 3. Wapato Irrigation Project Piping Satus East Lateral E73
- 4. Manastash Creek, Anderson Diversion Irrigation Water Acquisition
- 5. Manastash Creek Sprinkler Conversions
- 6. Yakima-Tieton Irrigation District (YTID) Feasibility Study - Tieton to Ahtanum Exchange
- 7. Manastash Consolidated Pipeline & Manastash Water Ditch Association (MWDA) **Pipeline Construction**

Structural and Operational Changes

- 1. Cle Elum Pool Raise 2. Keechelus to Kachess Conveyance

Surface Water Storage

1. Kachess Drought Relief Pumping Plant

Water Bank/Exchange Programs Basin Wide

Groundwater Storage

- 1. Upper Kittitas Aquifer Storage and Recovery
- 2. Yakima City Aguifer Storage and Recovery

Habitat Enhancement (2013-2015)

- 1. Teanaway Acquisition
- **Toppenish Fan** 2.
- Bateman Island Causeway Modification 3. Conceptual Design
- Bull Trout Habitat Improvements 4.
- 5. Gold Creek Habitat Assessment and Conceptual Design
- **Reed Diversion design Barrier Removal** 6.
- Little Rattlesnake Road Decommissioning
- 8. Cle Elum River Side Channel Restoration Project, Phase 2
- 9. Gap-to-Gap Property Acquisitions
- 10. Upper Wapato Riparian Restoration
- 11. Ellensburg Water Company / Coleman **Creek Restoration**
- 12. Reed Diversion Barrier Removal
- 13. Trout Meadows Acquisition /
- Enhancement
- 14. Manastash/Little Naches Land Acquisition
- 15. Gap-to-Gap Outfall Relocation

Stakeholder Partners

Washington Department of Fish and Wildlife (WDFW)	U.S. Army Corps of Engineers (USACE)	Mid-Columbia Fisheries Enhancement Group (MCF)	Yakama Nation
Washington Department of Natural Resources (DNR)	City of Richland	Washington Department of Ecology (DOE)	The Columbia Park Marina

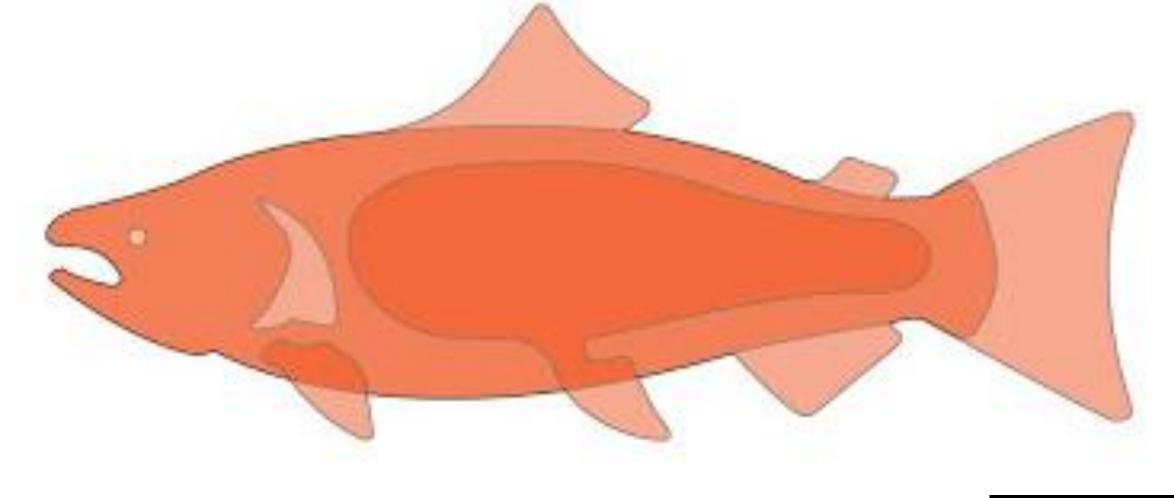
Interested others: Tapteal Greenway, Lower Columbia Basin Audubon Society, Ridges to Rivers, Friends of the Rivershore, Richland Rod and Gun Club, other community members



Agreement on Broad Project Scope

- Restore flow around south side of island
- Maintain and enhance recreational access in and around island
- Continued operation of the private marina and public boat launch



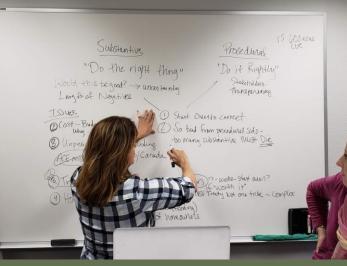


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So What Has Happened since 2018?

COLUMBIA RIVER SHORELINE RECONVEYANCE

FROM THE CORPS OF ENGINEERS TO THE TRI-CITIES COMMUNITY



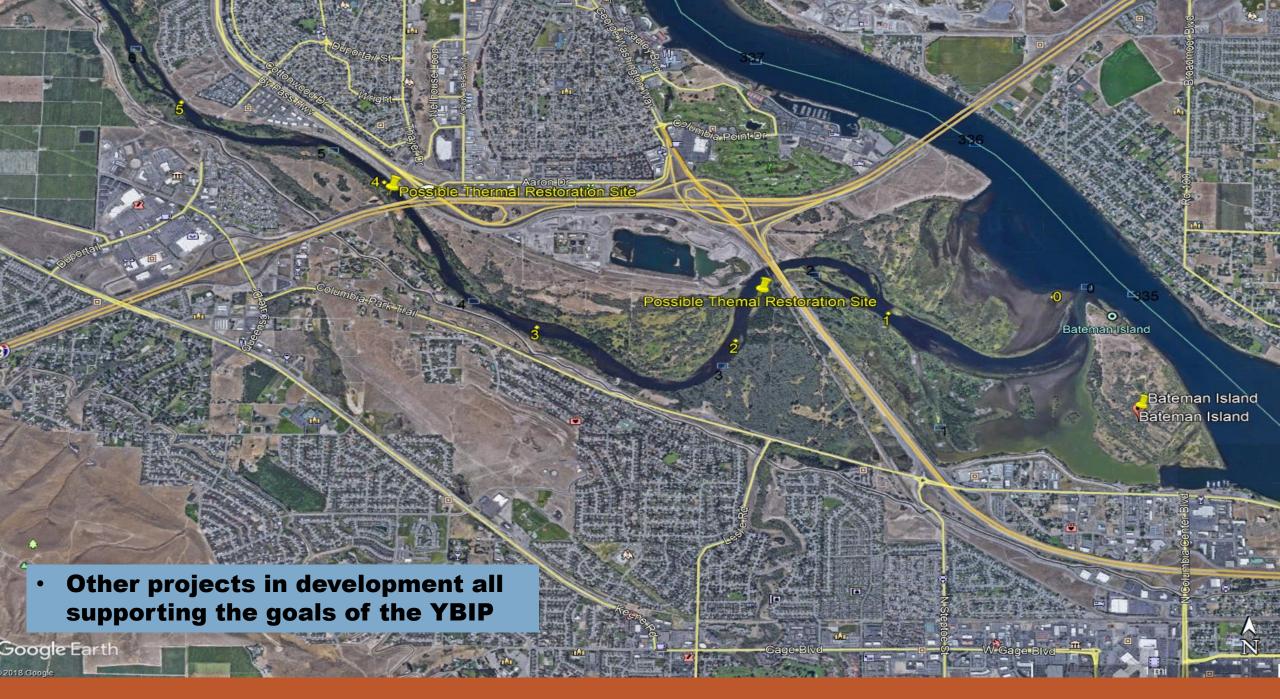
MCF 2018-2019 Highlights

- Partner Coordination
- Stakeholder Engagement
- Events
- Future ProjectDevelopment

Building a Strong Presence in the Tri-Cities!













What is Section 1135?

2019 Milestones: 1135 Process



August 2019 - Feasibility Cost Share Agreement (FCSA)

Signed by USACE and the Non Federal Sponsor - includes total agreed upon cost of the feasibility study and work in kind agreement.

Project Management Plan (PMP) is required and details the project scope, schedule, and cost.

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September 2019 - Study begins

Public Meeting/Planning charrette will be held with Stakeholders to begin planning process (developing the problem statement, opportunities, and constraints).





November 2019: Public Scoping and start of Feasibility Document

May 2021:Draft Feasibility Study/NEPA Ready for Public Review

Video Courtesy of Connor Parrish, MCFEG

Important to Remember why changes to the Delta are so critical!