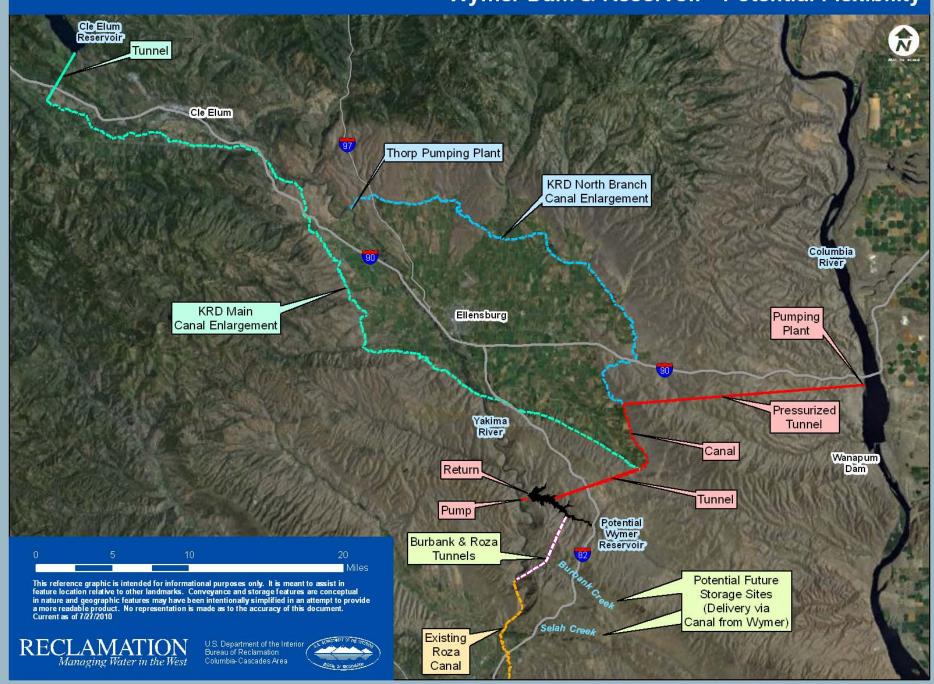
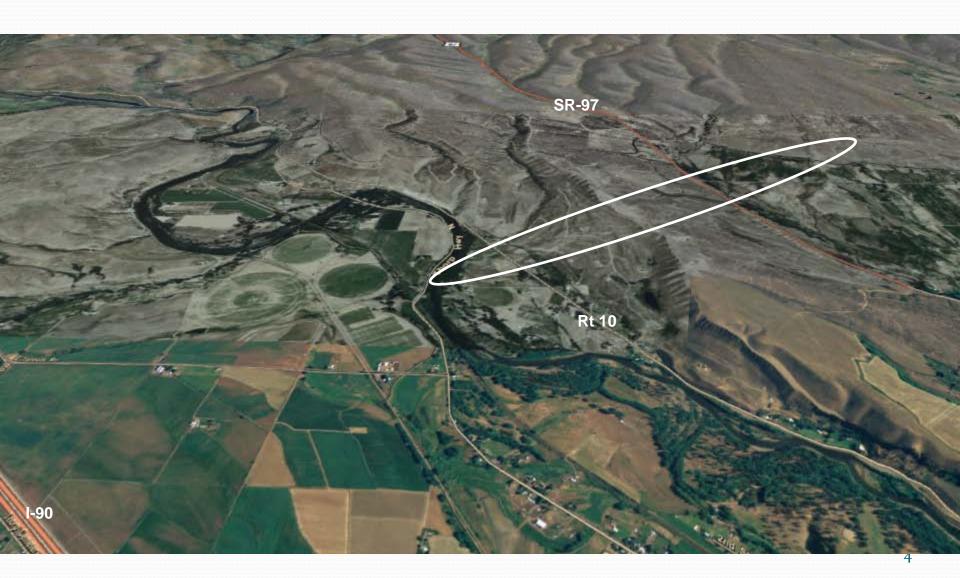
Wymer Project Overview

Wymer Dam & Reservoir - Potential Flexibility



Thorp Pump Station and Wymer Upstream Conveyance

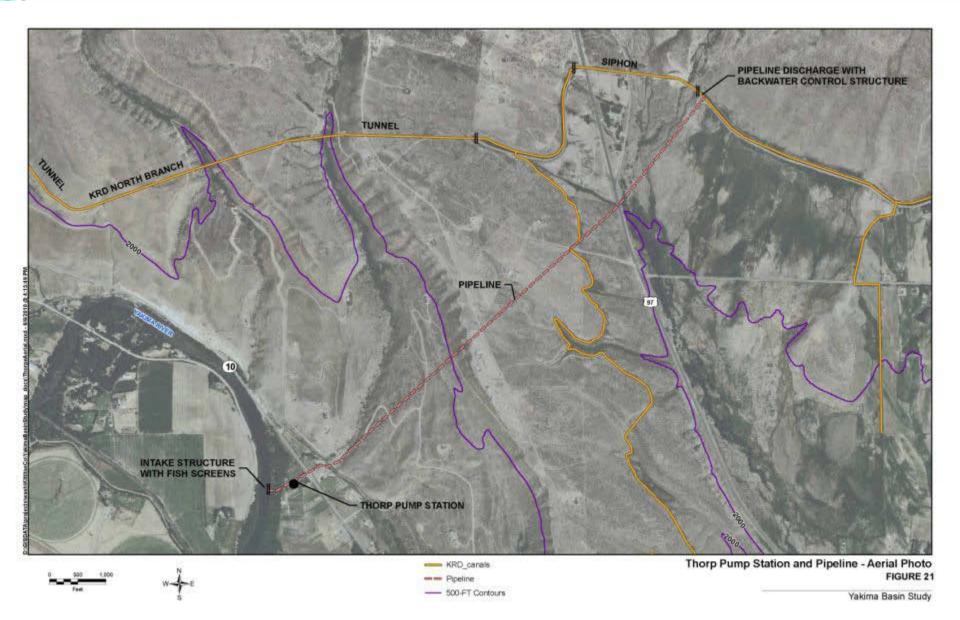
Project Location



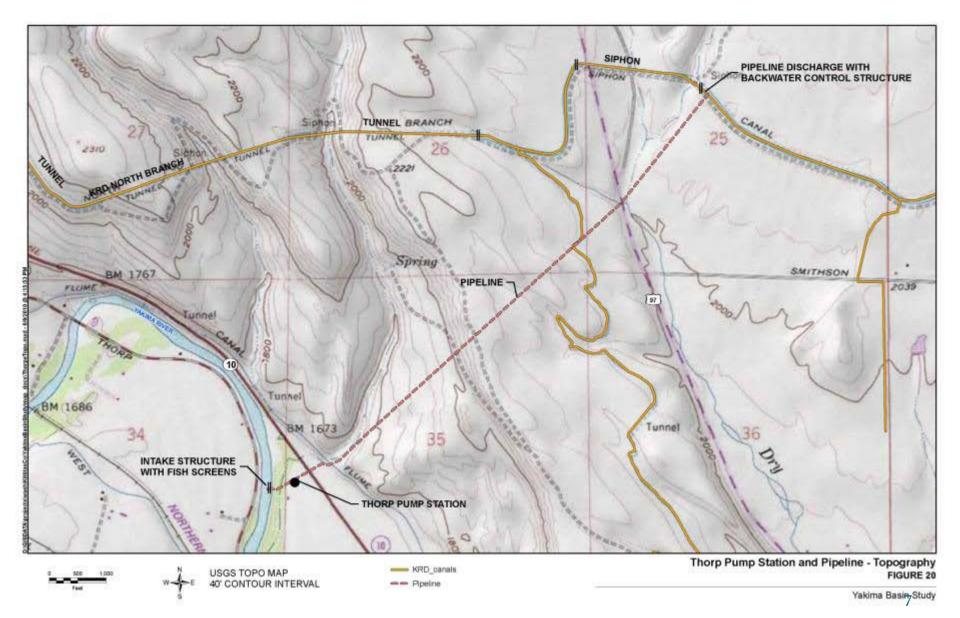
Thorp Design Criteria

- Pump up to 1,000 cfs from the Yakima River into the Kittitas Reclamation District (KRD) Canal at Thorp.
- Fish screening required on the Yakima River intake.
- Increase the capacity of ~33 miles (to upstream of the Wipple division) of KRD North Branch Canal to convey an additional 1,000 cfs to Wymer Reservoir.
- Convey flow from Wipple via a new pipeline and tunnel to the proposed Wymer Reservoir.

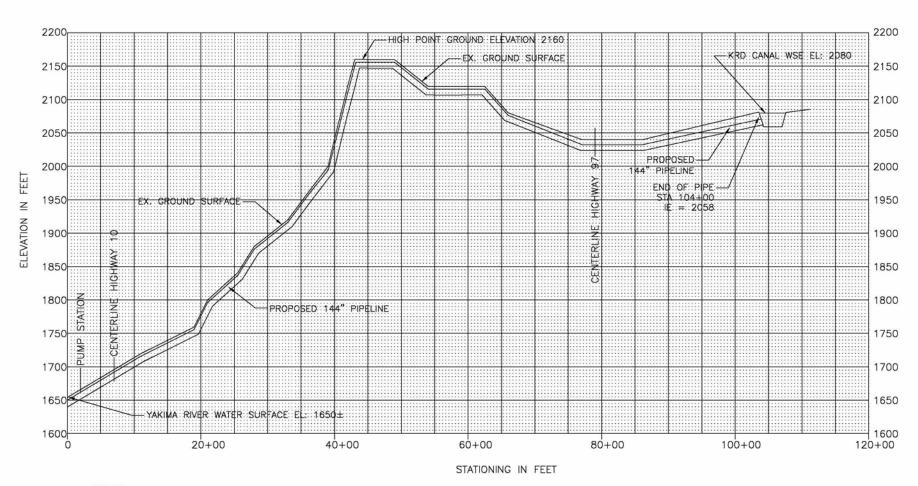
Thorp Pump Station Area Plan



Thorp Area Topography



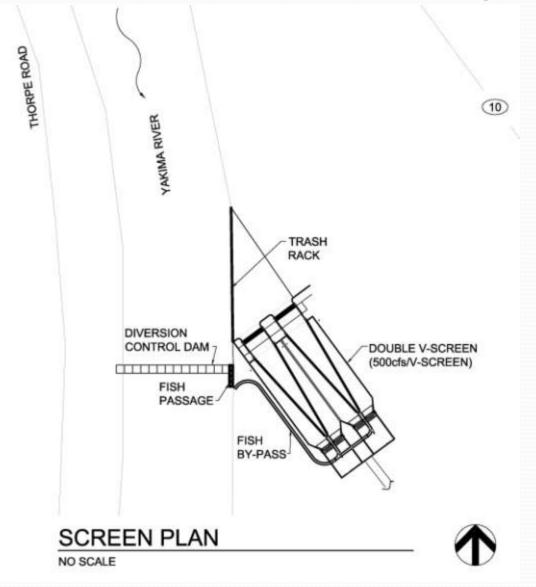
Thorp Pipeline Profile



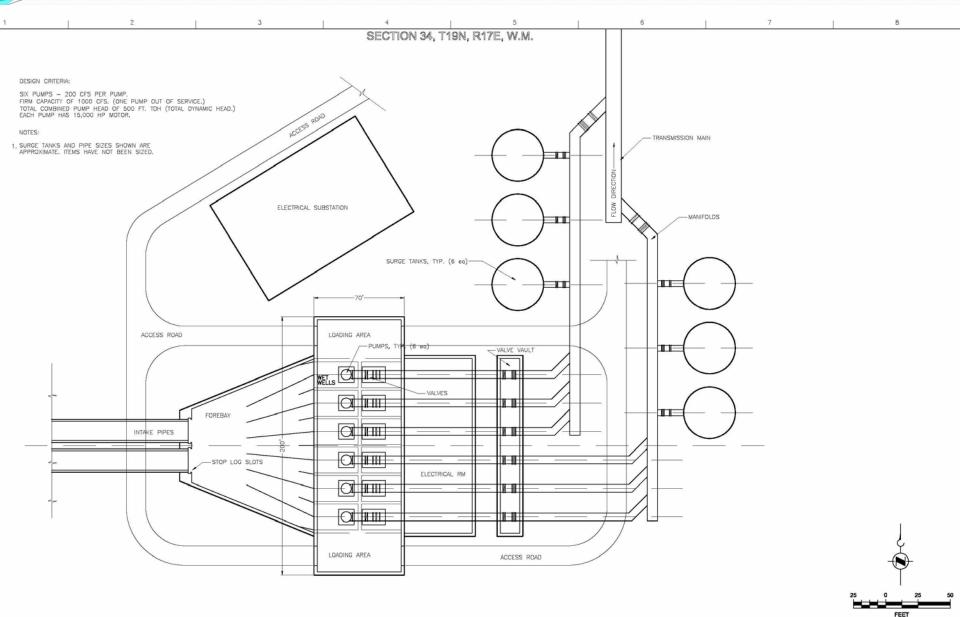
NOTES:

¹⁾ ELEVATIONS BASED ON USGS 7.5 MINUTE TOPOGRAPHIC MAP, THORP QUADRANGLE.

Thorp Fish Screen Concept

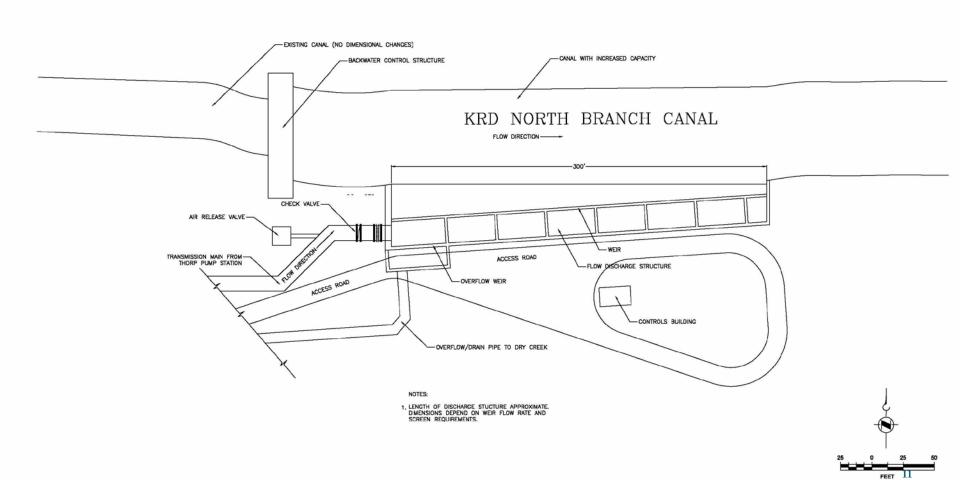


Thorp Pump Station Plan

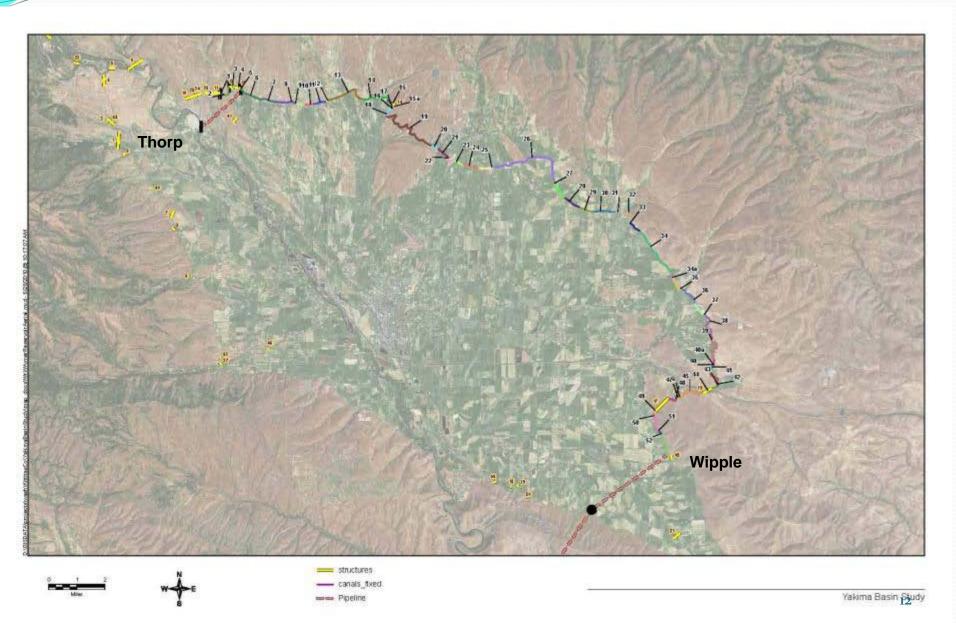


Thorp/KRD Canal Discharge

SECTION 25, T19N, R17E, W.M.



KRD 33 Mile Canal Upgrade



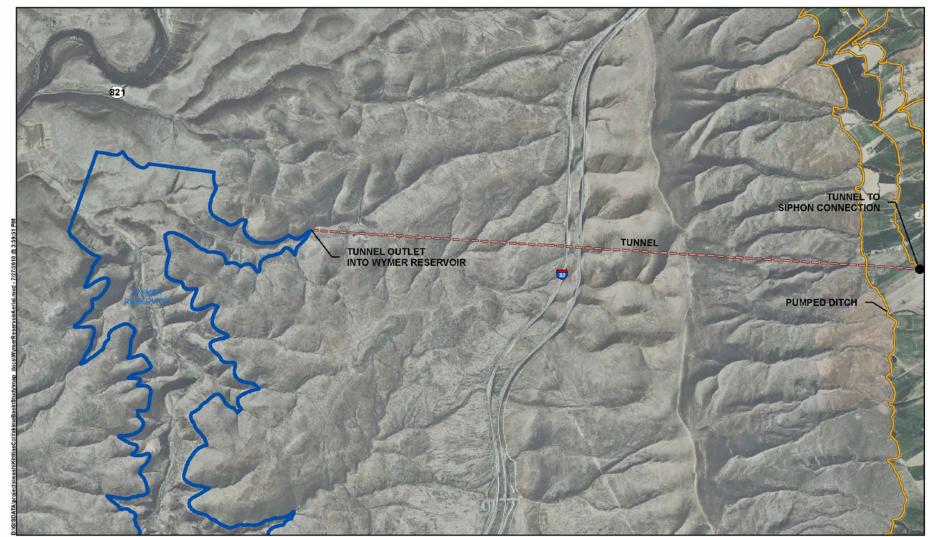
Connecting to Wymer Reservoir







Connecting to Wymer Reservoir







Project Challenges

- Siting a large diversion and pump station next to the Yakima River
- Yakima River fish screening and passage
- Routing a large diameter pipeline up to the KRD canal
- Upgrading 33 miles of canal & canal structures to convey an additional 1,000 cfs
- Cross valley pipeline and tunnel to Wymer

Next Steps

- Review canal capacities and define upgrades
- Refine concepts and prepare cost estimate
- Additional results presented at the 9/22 Workgroup mtg. and also summarized in a Technical Memorandum for Workgroup review