



## Other Accomplishments

### Blalock Irrigation District #3 Fish Screen Project

Located on Mill Creek, the intake for the Blalock Irrigation District's diversion is adjacent to the City of Walla Walla's Wastewater Treatment Facility. Capable of diverting up to 10 cfs, Blalock was the last large un-screened diversion on Mill Creek. Therefore, ESA listed fish were at risk unless a modern screening system was constructed. In cooperation with the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) and the WA Dept. of Fish & Wildlife (WDFW), the WWCCD began active work on the project about seven years ago. After many meetings with Blalock irrigators and other stakeholders, a design was completed, and permits and easements were obtained. Fabrication of the screen was completed by the WDFW Yakima Screen Shop. Funded by WDFW, CTUIR, Bonneville Power, the Washington State Conservation Commission and landowners, the total project cost was \$275,231.



## 2013 Feature Accomplishment

### Gardena Farms Irrigation District #13 North Lateral Piping Project

*Resource Challenge* – Built in 1892, the Gardena Farms Irrigation District #13's open canal delivery system was an amazing engineering feat with 11.55 miles of upper canal and almost 13 miles in its north and south laterals. In 2004, an independent study showed fully 1/3 of the diverted water was lost to seepage. Piping the delivery system was the selected alternative for improving delivery efficiency and for reducing withdrawal demands on the already over-adjudicated Walla Walla River. Due to the sheer magnitude of piping the delivery system, the project was divided into sections. The first phase – the South Lateral Piping Project – was completed by the WWCCD in 2010. The second phase is the North Lateral Piping Project of which the 2,800 foot project is the initial step that was completed in 2012.



The divergence point where the new 42-inch North Lateral leaves the 36-inch South Lateral

*Project Summary and Results* – The North Lateral project was the 7.3 mile-portion of the open canal delivery system immediately downstream from GFID's 1.44 mile long Pine Creek siphon. Stage 1 included: fitting a "Y" connector to the outlet of the siphon which immediately split the water into the 36-inch line serving the South Lateral and a 42-inch line serving the North Lateral; installation of flow control valves with telemetry and telemetry controlled actuators; 14,920 feet of buried gravity pipeline, 1,280 feet of on-farm lateral pipelines; and upgrades to 19 on-farm pump stations. Stage 2 included: 13,565 feet of gravity pipeline; 6,720 feet of on-farm laterals, and upgrades to 18 additional on farm pump stations. Total project cost was \$3.461 million. The new North Lateral pipeline serves about 3,000 acres and saves approximately 1,656 ac-ft of water into trust.

*Key Project Partners* – Key partners in the North Lateral Piping Project were:

- Washington Department of Ecology (WA-DOE)
- Bureau of Reclamation (BOR)
- Bonneville Power Administration (BPA)
- Gardena Farms Irrigation District #13 Board of Directors

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### Board of Supervisors:

Jeff Schulke, Chair  
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## More Work To Do

Gardena Farms Irrigation District  
#13 Upper Canal Piping Project

Lowden 2-Garden City Delivery  
System Piping Project

Stiller Shallow Aquifer Recharge  
Project (Phase 2)

Jones Fish Habitat Enhancement  
Project

McCaw Fish Habitat Restoration  
Project

Walla Walla Fish Screens Project

Metering projects