Methow Instream Flow Improvement
CONSTRUCTION TIMELINE

- 2012-Ecology, TU, BOR, MVID meetings
- 2013-Alternatives analysis
- 2012-2013-Shareholder public meetings
- Spring 2013-Shareholder vote to support
- May 2013-MVID Board vote to move ahead on project
- 2013-14-outreach, design, engineering, permitting, easement acquisition
- 2014-2016-Construction
Methow Project

MVID In-Stream Flow Improvement Project

- Parcels served by West Pump System
- Parcels served by Individual Wells
- Parcels served by East Pipe System

- Open Canal
- Transition from Open Canal to Piped System
- Piped East Distribution System
- Piped West Distribution System
- Abandoned Diversion
- Irrigation Diversion
- Well Supply System
- End of Pipe
- Individual Irrigation Wells

[Map showing locations and flow systems]
PROJECT DESCRIPTION

• Upgraded 7.2 miles of open earthen canal to enclosed pipe, which included 3.7 miles of west side pipe and 3.5 miles of 30 inch pipe on the east side canal;
• Replaced 7.1 miles of aging lateral pipe and associated appurtenances;
• Removed 11.6 miles of hazardous trees within the canal right of way;
• Installed one 8-inch and three 12-inch groundwater wells, all pumping infrastructure, controls, and pump house
• Converted over 75 individual irrigation users to groundwater wells.
Methow Project
LEVERGING FUNDING

- Project costs over $12 million
  - Department of Ecology
    - Priest Rapids Coordinating Committee
    - Chelan PUD
    - Douglas PUD
    - Salmon Recovery Funding Board
    - National Fish and Wildlife Foundation
    - Bureau of Reclamation
    - Bonneville Power Administration
ECOLOGICAL BENEFITS

• End injury, mortality and stranding associated with the MVID Twisp River push-up dam, screen and canal intake.
• Increase instream flow in the lower 4.5 miles of the Twisp River adding over 20-30% increase in flow late season
• Increasing side channel and wetland habitat in Alder Creek in the lower Methow River
• Habitat restoration and creation of side channel habitat at MVID Twisp diversion
• Enhanced critical habitat for ESA listed species Steelhead, Chinook Salmon and bull trout including rearing, migration and spawning
• Climate impact resiliency for both Twisp and Methow Rivers