

**Manastash Creek Instream Flow Enhancement Potential Projects
January – March 2012**

Projects for BPA Instream Flow Capital Contract #45233 11/15/09 – 11/14/2012

Dale Dyk Sprinkler Conversion #2 (MWDA):

Project Description: The Dyk sprinkler conversion would upgrade a 30 acre rill irrigation system to a pivot irrigation system and pipe 4,900' of an earthen delivery ditch. The saved water from the irrigation improvements would be trusted to the State's Trust Water Program in perpetuity.

Manastash Creek water to be trusted: to be determined with saved water calculations.

Estimated Project Cost: \$200,000

Letter of Commitment: Signed

Other Potential Funding Sources: NRCS's Agricultural Water Enhancement Program (AWEP), Trout Unlimited WA Water Project.

Harrell and Sons Farms Sprinkler Conversions (Reed):

Project Description: Harrell and Sons Farms are looking at 3 potential sprinkler conversion projects on their property. The saved water from the irrigation improvements would be trusted to the State's Trust Water Program in perpetuity.

Manastash Creek water to be trusted: to be determined with saved water calculations and final scope of project.

Estimated Project Cost: to be determined with design and final scope of project.

Letter of Commitment: Signed

Other Potential Funding Sources: Trout Unlimited WA Water Project.

Anderville Sprinkler Conversion (Anderson): COMPLETED

Project Description: The Anderville sprinkler conversion upgraded a rill and wheel line irrigation systems to a linear irrigation system. The saved water from the irrigation improvements has been trusted to the State's Trust Water Program in perpetuity.

Final Manastash Creek water trusted: 0.89 cfs of 2nd Class Anderson water.

Final Project Cost: \$243,698.36

Letter of Commitment: Signed

Other Funding Sources: Irrigation Efficiencies, NRCS's Agricultural Water Enhancement Program (AWEP).

**Manastash Creek Instream Flow Enhancement Potential Projects
January – March 2012**

Dale Dyk Sprinkler Conversion (MWDA): COMPLETED

Project Description: The Dyk sprinkler conversion upgraded a rill irrigation system to a pivot irrigation system. The saved water from the irrigation improvements has been trusted to the State's Trust Water Program in perpetuity.

Final Manastash Creek water trusted: 0.73 cfs of 2nd Class MWDA water.

Final Project Cost: \$203,771.25

Letter of Commitment: Signed

Other Funding Sources: NRCS's Agricultural Water Enhancement Program (AWEP).

Mellergaard Sprinkler Conversion (Keach Jensen)

Project Description: The Mellergaard sprinkler conversion would upgrade a rill irrigation system to a sprinkler irrigation system. The saved water from the irrigation improvements would be trusted to the State's Trust Water Program in perpetuity.

Potential Manastash Creek water to be trusted: To be determined after saved water calculations.

Estimated Project Cost: \$250,000

Letter of Commitment: not signed yet

Potential other Funding Sources: Irrigation Efficiencies, NRCS's Agricultural Water Enhancement Program (AWEP), Trout Unlimited WA Water Project.

MWDA Pipeline (MWDA Diversion to Hanson)

Project Description: This project would pipe Manastash Ditch from the KRD South Branch to Hanson Road. The saved water from piping the current earthen ditch would be trusted to the State's Water Trust Program for instream flow purposes in perpetuity. Easements for the pipeline need to be obtained, as well as final designs.

Estimated Manastash Creek water to be trusted: water savings are still being considered.

Estimated Project Cost: \$1,162,668.69 for just MWDA pipe from Diversion to KRD 13.8

Letter of Commitment: Signed

Potential other Funding Sources: NRCS's Agricultural Water Enhancement Program (AWEP), Trout Unlimited WA Water Project, Ecology.

**Manastash Creek Instream Flow Enhancement Potential Projects
January – March 2012**

Other Potential Projects

Larry Bland Sprinkler Conversion

Project Description: The Bland sprinkler conversion would upgrade rill irrigation systems to linear irrigation systems. The saved water from the irrigation improvements would be trusted to the State's Trust Water Program in perpetuity.

Potential Manastash Creek water to be trusted: To be determined after saved water calculations.

Estimated Project Cost: \$300,000

Letter of Commitment: Signed

Potential other Funding Sources: Irrigation Efficiencies, NRCS's Agricultural Water Enhancement Program (AWEP), Trout Unlimited – WA Water Project.

Reed Pipeline (Cove Road to Hanson Road)

Project Description: This project would pipe Reed Ditch from Cove Road to Hanson Road. The saved water from piping the current earthen ditch would be trusted to the State's Water Trust Program for instream flow purposes. Easements for the pipeline will need to be obtained.

Estimated Manastash Creek water to be trusted: To be determined after saved water calculations.

Estimated Project Cost: To be determined after initial engineering

Letter of Commitment: not yet signed

Potential other Funding Sources: Irrigation Efficiencies, NRCS's Agricultural Water Enhancement Program (AWEP), Trout Unlimited – WA Water Project.

Piping KRD Lateral 13.8

Project Description: This project would pipe the KRD Lateral 13.8.

Estimated Water Savings: Estimate to determined after engineering

Estimated Project Cost: To be determined after initial engineering

Piping KRD Lateral 14.3

Project Description: This project would pipe the KRD Lateral 14.3.

Estimated Water Savings: Estimate to determined after engineering

Estimated Project Cost: To be determined after initial engineering

*Water savings are before pro-rationing.