



## Other Accomplishments

### Jack Creek & Indian Creek Fish Barrier Removals



Before After

Two perched culverts were replaced on tributaries to the North Fork Teanaway River adding 8 miles of habitat.

### Coleman Creek Irrigation Diversion Redesign



Before After

Two unscreened irrigation water diversions and fish passage barriers were addressed on Coleman Creek.

The project included replacement of a diversion dam with rock weirs, addition of a fish screen, and a new sprinkler system on 135 acres. 0.5 miles of stream is now available to rearing salmonids.

### Firewise USA Community

Sky Meadows Ranch was designated as a Firewise USA community in 2009. KCCD has assisted the 480 acre community with a series of projects to reduce wildland fire danger and educate their residents.

## 2010 Feature Accomplishment

### Manastash Creek Restoration Project

*Resource Challenge* – The Manastash Creek Steering Committee has been working for several years to address unscreened irrigation diversions, fish passage barriers and instream flow in the lower six miles of Manastash Creek. There were six diversion points that lacked fish screens and constituted partial to full fish passage barriers. There is also a 3-mile reach of Manastash Creek that is dry each summer. Above this project reach are more than 20 miles of habitat.

*Project Summary and Results* – In 2009/2010, two of three planned fish screen and fish passage facilities on Manastash Creek were constructed. Construction work at the smaller site, the Barnes Road diversion, was funded by a legislative appropriation through Ecology. Barnes Road diversion diverts 5 cubic feet per second for irrigation. The new structure includes an air burst cleaning system for the fish screen, automated gates to control flow, and a fishway for upstream fish passage. The second site was the Manastash Water Ditch Association (MWDA) and Consolidated diversion. This is the location where four of the six diversion points will be consolidated so that only one facility needs to be constructed. The construction at this site was contracted by HDR, an engineering firm, and funded by the Bonneville Power Administration. KCCD assisted with construction oversight and archeological monitoring on this project. The structure includes an airburst cleaning system and automated gates to control the diversion and screening of up to 50 cubic feet per second for irrigation and stockwater. Fish passage is provided at this site by eight rock weirs in Manastash Creek.

*Key Project Partners* – Manastash Water Ditch Association, Reed Ditch, Hatfield Ditch, Anderson Ditch, and Barnes Road irrigators; Department of Ecology; Department of Fish & Wildlife; Bonneville Power Administration; National Marine Fisheries Service; and the Yakama Nation.



Barnes Road Diversion Fish  
Screen and Passage Facility



MWDA/Consolidated Fish  
Screen Facility & Rock Weirs

## Contact Information

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### Board of Supervisors:

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## More Work To Do

On Manastash Creek, 1 fish screen and fish passage facility constructed for Keach/Jensen diversion; 1 fish passage barrier corrected by removing Abandoned Dam; and 1 sprinkler conversion implemented to gain "saved water" for instream flow.

Two irrigation diversions on Cherry Creek modified to install fish screens and provide 2 more miles of habitat.

Six springs improved for livestock use as part of the Wild Horse CRM.

Eight Small Projects and 3 Firewise Projects cost shared with landowners.

One community application completed for Firewise USA Community designation