THE RANCHING FOR RIVERS PROGRAM

PAST PROJECT HIGHLIGHTS

NEILL PROJECT

When: 2017
Where: Missouri River, Cascade County
Who: Landowner (Neill), Cascade CD
Requested funding: $10,590
Streambank protected: ~ 0.5 miles
Project Benefit: Riparian Fencing & Stock Water Development
Estimated total load reduction(Sediment, Nitrogen, Phosphorus)**:** 131.38 tons/year

Summary: In the two years prior to this project, the landowner constructed ~1 mile of fencing to exclude cattle access to the Missouri River, resulting in a paddock without water access. In this project, the landowner was looking to develop offsite water for the newly created paddock. The landowner requested funding for the following: well, submersible pump, pipeline, and a stock tank. In addition, funding was requested for cattle panels and posts to protect the proposed well.

Project photos:

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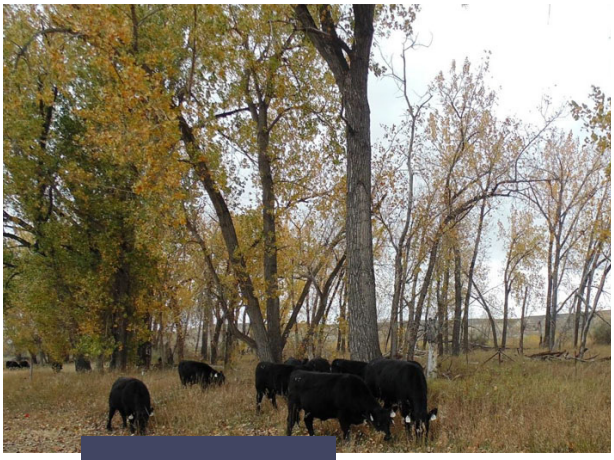
IVERSEN PROJECT

When: 2016
Where: Missouri River below Fort Peck Dam, Richland County
Who: Landowner (Iversen), Richland County CD
Requested funding: $11,500
Streambank protected: 4.04 miles
Project Benefit: Riparian Fencing & Stock Water Development
Estimated total load reduction(Sediment, Nitrogen, Phosphorus): 5912.47 tons/year

Summary: The project area was affected by the 2011 flooding on the Missouri River below Ft. Peck Dam. As a result of the flood event, new cottonwood trees have been established throughout the property. Many of the acres in the project site have not been grazed and some have had one season of grazing. The landowner requested both fencing and offsite water development to allow for proper grazing management of the new cottonwood riparian pastures.

Project photos:



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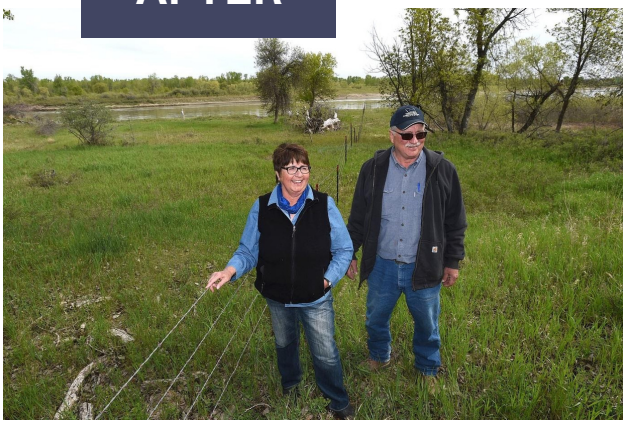

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WEYERHAEUSER PROJECT

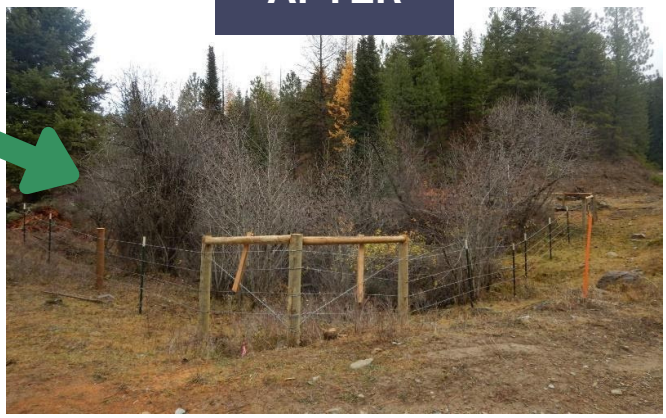
When: 2019
Where: Loneman Creek, Sanders County
Who: Weyerhaeuser Company, Lower Clark Fork Watershed Group, Montana FWP
Requested funding: $2,000
Streambank protected: ~ 1 Mile
Project Benefit: Riparian Fencing & Fortified Cattle Crossing
Estimated total load reduction(Sediment, Nitrogen, Phosphorus): **.**077 tons/year

Summary: Fencing was installed along nearly 2500 feet of the stream on both sides to completely exclude cattle from the area. Weyerhaeuser has developed a Ranch Management Plan incorporating this riparian pasture into its grazing strategy. A hardened crossing was also installed on the upstream end of the project site to focus cattle crossing to one area and limit bank erosion.

FWP has been involved with ongoing temperature monitoring at this site since 2018. Riparian vegetation helps reduce stream temperatures and as a result improves fish habitat. Loneman Creek exhibited lower temperatures in 2019, indicating the project may have had a role in reducing water temperature through increased riparian cover.

Project photos:

AFTER



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