



***Montana Fish,
Wildlife & Parks***

Missouri River Bank Restoration
Missouri River Ranch

Status Report for PPL-Montana
FERC Project 2188

Prepared by

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At the December 2014 Missouri River Technical Advisory Committee (MoTAC) meeting, Montana Fish, Wildlife & Parks was awarded \$19,400 from Northwestern Energy to stabilize and restore an eroding bank on the Missouri River located on the Missouri River Ranch, just upstream of Craig. The plan was to use the same technique as across the river on the Sterling Ranch, where a successful streambank restoration project was completed in 2013. This includes a rock toe, rooted willow clumps, and a sloped grass bank. The work to restore the bank was completed in October 2016. FWP will continue to monitor the banks to ensure vegetation takes hold. Table 1 outlines the contributions from Northwestern Energy and other entities. Figure 1 depicts the location of the project. Photos 1 through 8 depict the streambank before, during, and after completion of the work.

Table 1. Funding contributions from Pat Barnes Trout Unlimited, Missouri River Flyfishers, and Northwestern Energy to restore the streambank on the Missouri River, located on the Missouri River Ranch, just upstream of Craig.

Pat Barnes Trout Unlimited	Missouri River Flyfishers	Northwestern Energy	Total
\$500	\$500	\$18,504	\$19,504

Submitted by; Jason Mullen November 2016

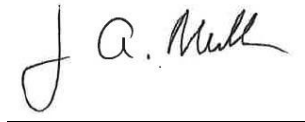




Figure 1: Location of the bank work (red lines) on the Missouri River, located just south of Craig.



Photo 1: Upstream area. Before bank work. February 2015.



Photo 2. Upstream area. After bank work. October 2016.



Photo 3. Middle area. Before bank work. February 2015.



Photo 4. Middle area. After bank work. October 2016.



Photo 5. Downstream area. Before bank work. February 2015.



Photo 6. Downstream area. After bank work. October 2016.



Photo 7. Downstream area. During bank work. October 2016.



Photo 8. Downstream area. During bank work. October 2016.