



Reducing Phosphorus Loads to Lake Betsy by Protecting Willow Creek



Clean Water Funds: 2010

Clean Water Grant	\$70,900
Leveraged Funds*	\$118,650
Total Project Budget	\$189,550

* Leveraged Funds include required 25% local match

Targeted Water:

Willow Creek; Lake Betsy

Project Sponsor:

Clearwater River Watershed District

Partners:

City of Kimball

Grant Period:

January 2010 - December 2011

Project Contact:

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Project Narrative

Lake Betsy has elevated nutrient levels which lead to poor water quality. The Clearwater River Watershed District saw an opportunity for a cost-effective way to improve surface water quality, improve trout habitat, and recharge groundwater levels.

A stormwater management system to capture and re-use stormwater runoff from the City of Kimball was designed and is being installed on City Park land. By using existing public land, the project costs are kept low. The system is designed for a 1.5 inch rain event over a 428 acre drainage area in and around Kimball. The system will reduce phosphorus loads to Lake Betsy, a listed impaired water, by around 244 lbs. per year. Runoff volumes to Willow Creek, a designated trout stream, will also be reduced. Groundwater recharge in the area of the trout stream will be improved, along with a reduction in water temperatures in the creek, thereby improving habitat.

