



# Quixote Avenue Retrofit



## Clean Water Funds: 2013

Clean Water Grant	\$75,670
Leveraged Funds*	\$25,000
Total Project Budget	\$100,670

\* Leveraged Funds include

### Targeted Water:

Lake St. Croix

### Project Sponsor:

Middle St. Croix WMO

### Grant Period:

January 2013—December 2015

### Project Contact:

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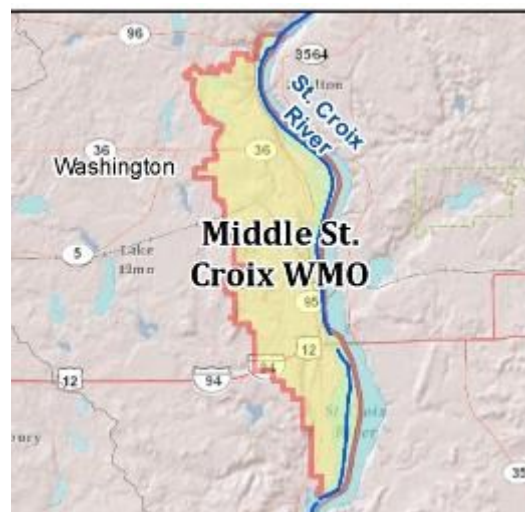


CWF13-181 - Clean Water Assistance

## Project Narrative

In 2007, the City of Lakeland and the Middle St. Croix Watershed Management Organization identified water quality issues related to the existing drainage on Quixote Avenue, a paved north/south roadway directly adjacent to the St. Croix River bluffline. Historically, Quixote Avenue collected and drained stormwater runoff from residential lots and roadways and concentrated flows at the end of the roadway and discharged over the bluffline directly into Lake St. Croix.

This project implemented previously identified and targeted water quality improvement projects on Quixote Avenue. Stormwater treatment features included two large raingardens, an iron-enhanced sand filter, and a stormwater pipe to convey treated runoff down the bluff to Lake St. Croix. Modeling indicates this project reduces 9.0 lbs/year of total phosphorus and 3,997 lbs of total suspended solids and prevents 1.0 acre foot of stormwater per year from discharging into Lake St. Croix.



## Proposed Outcomes:

Reduce Phosphorus by 9 pounds/year, Sediment by 2 tons/year and runoff volume by 1 acre-feet/year.

## Actual Outcomes:

Reduced Phosphorus by 9 pounds/year, Sediment by 2 tons/year and runoff volume by 1 acre-feet/year.



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