



St. Croix Valley Healthy Waters Initiative

Lake St. Croix Beach, MN

Geyen Residence

GEYEN RESIDENCE

ADDRESS:

Lake St. Croix
Beach, MN 55043

WATERSHED:

St. Croix River
Basin

FUNDING PARTNERS

- Bush Foundation
- MPCA
- Carolyn Foundation
- Washington Conservation District
- Jacques Whitford NAWE, Inc
- Landowner

BEST MANAGEMENT PRACTICES IMPLEMENTED

- Log Revetments
- Compost Socks
- Brush Wattles
- Erosion Control Blanket
- Native Plantings
- Terra Seeding

The toe of the slope was heavily eroded during flooding of the St. Croix River in the late 1990's. This caused undercutting of trees which have since toppled. Buckthorn and exotic honeysuckle has also moved into this disturbed area shading out understory growth. This has all had a cumulative affect on the soil erosion of the site not just limited to the flooding in the late 1990's.



The approach to stabilizing the slope had multiple phases. The first phase was to berm the top of the slope and vegetate it with native plants. This was in an effort to slow rain water down and allow it to infiltrate into the highly sandy soils. Next was to clear the upper slope and reestablish an oak savanna planting. For this area 4 red cedars were removed to allow sun light to the understory. In place of the cedars 4 oaks were planted on the slope.



Great River Greening
35 W. Water St. #201
Saint Paul MN 55107
Tel 651 665.9500
www.greatrivergreening.org

*restoring the land,
renewing communities*



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Great River Greening

OUR

MISSION

Great River

Greening

leads and

inspires

community-

based

restoration

of natural areas

and

open spaces



The toe of the slope was the last phase to go in. This required a more engineered approach to stabilizing the slope. Starting at mid slope and working down every 5 feet some form of revetment was installed per engineer specification. The revetments were a combination of cedar logs, brush wattles and compost socks with erosion control fabric installed between the practices. Bare root shrubs and trees as well as native seed were also installed.



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