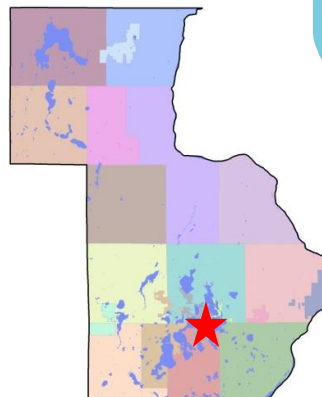


SOUTH CENTER LAKE BOAT LAUNCH

PRETREATMENT AND VEGETATED SWALE

The DNR Public Lake Access to South Center Lake has a large parking lot. The lot is 1.4 acres of impervious surface that drains to one outlet location along the south edge of the parking lot. The volume and velocity of water runoff has caused erosion along a swale out to South Center Lake. No vegetation is able to withstand the energy of the water.

In November of 2014, two pretreatment chambers and rock rip rap was installed at the location where the runoff leaves the parking lot. The swale from the pretreatment chambers to the Ordinary High Water Level (OHWL) was lined with permanent turf reinforcement mat and planted. In the spring of 2015, the swale will be planted with native sedges that can handle the shady and wet conditions.



Partners:

- Chisago Soil & Water Conservation District
- Minnesota Department of Natural Resources
- Chisago Lakes Lake Improvement District
- City of Lindstrom

Pollution Reduction:

- Total Suspended Solids (TSS): 864 lb/yr
- Total Phosphorus (TP): 2.1 lb/yr
- Volume: 1.8 ac-ft/yr (P8 model)

Targeted Water:

South Center Lake

Completion Date:

November 2014

Spring 2015-Planting

May I Visit?

Yes. The practice can be seen along the south edge of the parking lot.

