



CLFLWD 2009 Year in Review

➤ **Baseline Monitoring of Water Resources**

- Continued the District's baseline monitoring program to provide baseline information to Washington County Baseline Monitoring Network (in partnership with Washington Conservation District) as well as using volunteers to monitor lakes via the Metropolitan Council's Citizen-Assisted (lake) Monitoring Program (CAMP). The monitoring supports the District's "adaptive management" approach to tracking lake responses to current and future projects. Additional monitoring in 2009 included:
 - New site on the Sunrise River in the middle of Bixby Park in order to better isolate loading from the City of Forest Lake
 - Inflow and outflow water quality, sediment, and wetland monitoring of the former MnDNR fish rearing pond associated with the subwatershed FL44 project
 - Tributary monitoring between outlet of Bone Lake and inlet to Little Comfort Lake in order to provide better resolution to where nutrient loadings may be coming in order to better site potential remedial projects

➤ **Capital Project from CIP**

- Initiate projects presented in the District's approved CIP and Watershed Management Plan
 - *NBL12 wetland restoration project*: We have initiated project design and negotiations with the local landowner (Mr. Craig Mattson). Actual restoration, fencing, and ponding project will begin in 2010. Modeled to reduce phosphorus load to Moody Lake by 99 pounds per year.
 - *FL44 wetland restoration project*: We have initiated project design and negotiations with the local landowner (Mr. Jeff Winberg). Actual restoration, fencing, and project will begin in 2010. Modeled to reduce phosphorus load to Forest Lake by 156 pounds per year.

➤ **TMDL**

- Have finished the District's TMDL and associated Implementation Plan. The TMDL Report is currently out for public comment (until December 23, 2009).

Board of Managers

Richard P. Damchik—President Jackie A. Anderson—Vice President Wayne S. Moe—Secretary
John T. Lynch—Treasurer Jon W. Spence—Manager

➤ Rules/Permit

- Adopted rules and implemented permit program.
 - Seven permit in 2009
 - 3 erosion control (residential)
 - 1 buffer
 - 1 stormwater and erosion control
 - 1 erosion control and floodplain (MnDNR)
 - 1 watercourse basin crossing and Floodplain (MnDNR)
 - Continued review of CSAH 99, 257th Street (Wyoming), and Xccent projects initiated prior to implementation of permit program

➤ BMP Cost-Share Program

- Continued a BMP cost-share program to promote native plantings (shoreline and raingardens) to provide wildlife habitat, control erosion, and protect water quality. To date projects have accounted for ~39,000 ft² of native plants and ~1,000 feet of shoreline. To date projects have included:
 - Bank stabilization plantings SW inlet to Bone Lake – Bone Lake (2007)
 - Kumerow Shoreline (650 ft² [75' x12']) – Forest Lake 1 (2008)
 - Johnson Shoreline (3,200 ft² [100' x32']) – Bone Lake (2008)
 - Floerke Shoreline (3,200 ft² [100' x32']) – Bone Lake (2008)
 - Oehler Raingarden (185 ft²)– Forest Lake (2008)
 - 4th Ave NE (5,460 ft² [60' x91']) – Raingarden/Shoreline – Forest Lake 1 (2008-2009)
 - 2nd Ave NE (2,100 ft² [60' x35']) – Raingarden/Shoreline – Forest Lake 1 (2008-2009)
 - 2nd Ave SE (5,700 ft² [60' x95']) – Raingarden/Shoreline – Forest Lake 1 (2008-2009)
 - Jensen Raingarden (200 ft²) – Shields Lake (2009)
 - Trandal Drainage/Shoreline (1,260 ft² [60' x21']) – Comfort Lake (2009)
 - Plus additional 2,000 ft² of swale drainage plantings)
 - Schreckeis Shoreline (2,400 ft² [120' x20']) – Sylvan Lake (2009)
 - Milbrett Shoreline (1,200 ft² [120' x10']) – Forest Lake 3 (2009)
 - Mahler Shoreline (1,875 ft² [75' x25']) – Forest Lake 3 (2009)
 - Jordan Shoreline (612 ft² (51' x 12')) – Forest Lake 1 (2009)
 - Irlbeck Shoreline (550 ft² (35' x 15')) – Forest Lake 1 (2009-2010)
 - 236th Street Street NE (1,000 ft² [10' x100']) – Vegetative Swale – Forest Lake 1 (2009)
 - 237th Street NE (1,000 ft² [10' x100']) – Vegetative Swale– Forest Lake 1 (2009)
 - 4th Ave SE (6,780 ft² [60' x113']) – Raingarden/Shoreline – Forest Lake 1 (2009-2010)
 - Bocklund Raingarden 100 ft²)– Wyoming [Aston Lake] (2009-2010)

➤ Education

- Continue as member of East Metro Water Resource Educaton Program member
- Hosted two “*Planting for Clean Water*” workshop. The workshop addressed shoreland restoration and stabilization plantings using native plants as well as the use of infiltration/ filtration practices (i.e. raingardens) to reduce stormwater runoff
- Hosted a small acreage grazing workshop geared toward small hobby farms with horses in order to help establish a rotational grazing system, manure management, and fencing and watering techniques
- Hosted a Forest Lake Restoration Event where 94 volunteers participated in a large planting event on three shoreline restoration projects on dead-end public streets along Forest Lake (the lake)
- Participated in the Chisago County Children’s Water Festival which educated over 500 fifth graders from Chisago County on an array of water resources issues
- Maintained a District website
- Presented surface and groundwater management needs and alternative agricultural practices at the Forest Lake High School Agricultural Day
- Continued participation in Washington Water Consortium

- Presented District Information at local Lake Association meetings, Forest Lake Rotary, Forest Lake Scout Troops, City of Scandia and Chisago Lakes Township

➤ **Other**

- Finished last of six shoreland restoration projects on dead-end streets on the shores of Forest Lake.
- Initiated Watershed Management Plan update process
- Submitted multiple grant applications to leverage local dollars in order to complete projects, fund programs and reduce burden on local taxpayers
 - MPCA SWAG (monitoring)
 - DNR Lessard-Sams (fish barriers)
 - MPCA ARRA Water Quality Planning (Plan update)
 - BWSR Clean Water Legacy (various projects/programs)
 - Wetland Restoration/Cattle Exclusion
 - Regional Stormwater Management Facility (Bixby)
 - Urban neighborhoods-2nd & 3rd tier BMPs
- Coordinated a stormwater stenciling project for a Forest Lake Eagle Scout
- Continued to participate on Forest Lake Improvement Committee
- Continued participation on Sunrise River Watershed Study/TMDL