

# **Bassett Creek Watershed Management Commission 2011 Annual Report**



**Crystal • Golden Valley • Medicine Lake • Minneapolis  
Minnetonka • New Hope • Plymouth • Robbinsdale • St. Louis Park**



**May 2012**

# Bassett Creek Watershed Management Commission 2011 Annual Report

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Cover photo: Plymouth Creek Streambank Restoration Project, Plymouth, Minnesota  
(Photo credit: Derek Asche, City of Plymouth)

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## Executive Summary: 2011 Annual Report

### BCWMC's 2011 Activities & Achievements

The BCWMC's activities and projects are guided by its *Watershed Management Plan (Plan)*. The most recent version of the BCWMC's *Plan* was approved by the Minnesota Board of Water and Soil Resources (BWSR) and adopted by the BCWMC in 2004. The Commission is in the process of updating its *Plan* for approval and adoption in 2014 per BWSR's revision schedule. This summary highlights the BCWMC's accomplishments and work during its fiscal year 2011 (February 1, 2011 — January 31, 2012) in the following areas: capital improvements program, water quality activities, and education activities. See the full 2011 Annual Report for more details.

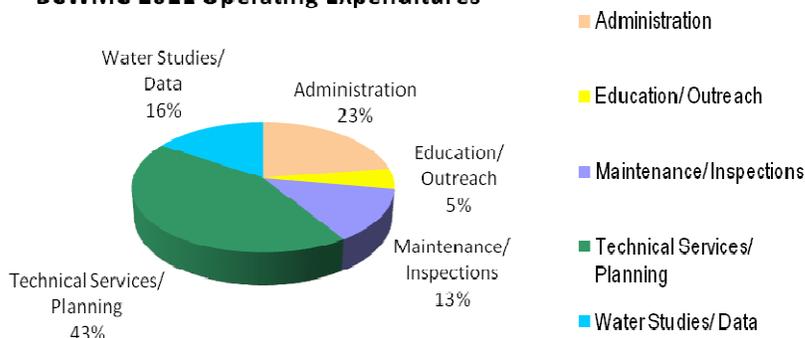
### Capital Improvements Program (CIP)

The BCWMC continued to implement its capital improvements program. The 2011 achievements included:

- Substantial completion of two streambank restoration projects: 1) Main Stem Channel, Crystal border to Regent Ave., in Golden Valley and Crystal—total estimated project cost is \$636,100; and 2) Plymouth Creek, Medicine Lake to 26th Ave, in Plymouth—total estimated project cost is \$965,200. Both projects received BWSR Clean Water Fund grants. The projects will reduce the contribution of sediment and phosphorus carried by the creeks to downstream waters.
- Beginning work on two other streambank restoration projects: 1) Main Stem Channel, Wisconsin Avenue to Rhode Island Avenue, and Duluth Street to the Golden Valley – Crystal boundary, in Golden Valley—the total estimated project cost is \$580,200; and 2) North Branch, 32nd Avenue North to Douglas Drive North, in the City of Crystal—the total estimated project cost is \$834,900.
- Completed feasibility studies for 1) Bassett Creek Main Stem Restoration Project – Golden Valley Road to Irving Avenue North—in Golden Valley and Minneapolis; 2) Wirth Lake Outlet Modification Project, in Golden Valley; and 3) Schaper Pond enhancements, in Golden Valley. The BCWMC received BWSR Clean Water Fund grants for the Main Stem and Wirth Lake outlet projects.
- In August and September 2011 BWSR approved and the BCWMC adopted, respectively, a major plan amendment to add the following projects to the BCWMC's 10-year CIP: Bassett Creek Main Stem Restoration Project – Golden Valley Road to Irving Avenue North; 2) Wirth Lake Outlet Modification Project; and 3) Lakeview Park pond construction.
- Applied for and obtained a \$217,500 BWSR Clean Water Fund Grant for the BCWMC's 2012 Bassett Creek Main Stem Restoration Project – Golden Valley Road to Irving Avenue North.

The BCWMC's 2011 operating expenditures are illustrated in the adjacent chart. For an itemization of the operating expenditures and for more information on the BCWMC's 2011 capital projects expenditures and financial report, please see the Financial Information Appendix of the annual report.

BCWMC 2011 Operating Expenditures



*The Bassett Creek Watershed Management Commission (BCWMC) is governed by a board composed of representatives from each of the nine member cities: Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, St. Louis Park, and Robbinsdale. Representatives are appointed by their cities and serve three-year terms on the board.*



## Water Quality Activities

In 2011, the BCWMC implemented the following water quality activities:

- The U.S. EPA approved the Medicine Lake TMDL, and the Sweeney Lake TMDL;
- Provided BCWMC representation to the Minnesota Pollution Control Agency's Twin Cities Metropolitan Area Chlorider Project;
- Participated in Metropolitan Council Environmental Services' Citizen-Assisted Monitoring Program (CAMP) for six lakes;
- Conducted detailed water quality monitoring and analysis for Westwood Lake in St. Louis Park and Golden Valley, and Crane Lake in Minnetonka;
- Prepared a report on the phosphorus internal loading investigation of Twin Lake in Golden Valley;
- Participated in the Upper Mississippi River Bacterial TMDL with representatives on the stakeholder and TAC groups;
- Performed continuous stream monitoring on Bassett Creek, in cooperation with the Metropolitan Council Environmental Services and the Minneapolis Park and Recreation Board (WOMP station); and,
- Participated in Hennepin County's River Watch program by funding monitoring of Bassett Creek for benthic invertebrates, which are indicators of stream health.

## Education Activities

In 2011, the BCWMC implemented the following education-related activities:

- Conducted a watershed tour of six BCWMC CIP projects;
- Completed the 2011 – 2015 Education and Outreach Plan, which was then adopted by the BCWMC.
- Participated in a watershed education alliance with four neighboring WMOs and supported the alliance's workshops;
- Published in local newspapers articles on water quality best management practices;
- Provided watershed education to the public at the following public events - Plymouth Yard/Garden Expo, Plymouth Environmental Quality Fair, and Golden Valley Days;
- Provided native plant seed packets at watershed education events;
- Partnered with Blue Thumb, a local program that encourages homeowners to use native plantings, rain gardens, and shoreline stabilization to reduce runoff from home yardscapes;
- Cosponsored Metro Blooms rain garden workshops with member cities;
- Participated in Metro WaterShed Partners, including the Minnesota Waters "Let's Keep Them Clean" media campaign.

# I. Annual Activity Report

This annual report covers the Bassett Creek Watershed Management Commission's (BCWMC) activities for fiscal year 2011 (February 1, 2011—January 31, 2012). The BCWMC Annual Report was prepared to meet the Annual Reporting Requirements as set forth in Minnesota Rules Chapter 8410.0150, subparts 1, 2, and 3.

## A. 2011 Commissioners

Municipality / Term Expiration	Commissioners	Alternates
<b>Crystal</b> February 1, 2012	Pauline Langsdorf 8100 33 <sup>rd</sup> Avenue North Crystal, MN 55427 763-544-1317 <a href="mailto:langsdorfp@aol.com">langsdorfp@aol.com</a>	Stuart Stockhaus 3437 Adair Avenue North Crystal, MN 55422
<b>Golden Valley</b> February 1, 2012	Linda Loomis, Chair City of Golden Valley 7800 Golden Valley Road Golden Valley, MN 55427 763-593-3990 <a href="mailto:lloomis@goldenvalleymn.org">lloomis@goldenvalleymn.org</a>	David Hanson 1030 Angelo Drive Golden Valley, MN 55422 763-588-1478 <a href="mailto:davewhanson@gmail.com">davewhanson@gmail.com</a>
<b>Medicine Lake</b> February 1, 2012	Ted Hoshal 6960 Madison Avenue West, Suite 201 Minneapolis, MN 55427-3627 763-541-1140 <a href="mailto:dtoshal@luma-gard.com">dtoshal@luma-gard.com</a>	John O'Toole 181 Peninsula Road Medicine Lake, MN 55441-4113
<b>Minneapolis</b> February 1, 2013	Michael Welch, Treasurer 212 Thomas Avenue S. Minneapolis, MN 55405 612-385-6885 <a href="mailto:mjewelch@gmail.com">mjewelch@gmail.com</a>	Lisa Goddard 214 Logan Avenue North Minneapolis, MN 55405 763-475-0010 <a href="mailto:lgoddard@srfconsulting.com">lgoddard@srfconsulting.com</a>
<b>Minnetonka</b> February 1, 2013	Jacob Millner (effective August 2011) 2300 Nottingham Court Minnetonka, MN 55305 jbmillner@gmail.com  Bonnie Harper-Lore (until May 2011) 12505 Ridgemount Ave. W. Minnetonka, MN 55305 952-525-0667 <a href="mailto:bonnieLore@comcast.net">bonnieLore@comcast.net</a>	Tony Wagner 1804 Traymore Road Minnetonka, MN 55305 952-512-1817 twagner@eminnetonka.com
<b>New Hope</b> February 1, 2013	John Elder City of New Hope 4401 Xylon Ave. N. New Hope, MN 55428 763-531-5100 <a href="mailto:jelder@ci.new-hope.mn.us">jelder@ci.new-hope.mn.us</a>	Daniel Stauner City of New Hope 4401 Xylon Avenue N. New Hope, MN 55428 763-536-1415 dstauner@ci.new-hope.mn.us
<b>Plymouth</b> February 1, 2014	Ginny Black, Vice Chair Plymouth City Hall 3400 Plymouth Blvd Plymouth 55447 763-509-5004 <a href="mailto:Black.ginny@att.net">Black.ginny@att.net</a>	Judy Johnson Plymouth City Hall 3400 Plymouth Blvd Plymouth 55447 763-509-5001 <a href="mailto:jjohnson@plymouthmn.gov">jjohnson@plymouthmn.gov</a>

<b>Municipality / Term Expiration</b>	<b>Commissioners</b>	<b>Alternates</b>
<b>Robbinsdale</b>  February 1, 2014	Wayne Sicora 3706 Abbott Ave. North Robbinsdale 55422 763-532-8165 Wayne.sicora@gmail.com	Vacant
<b>St. Louis Park</b>  February 1, 2014	Jim de Lambert, Secretary 9257 West 22 <sup>nd</sup> Lane St. Louis Park, MN 55426 763-489-3150 jimd@liesch.com	Justin Riss 3732 Penn Ave S. St. Louis Park 55426 justinriss@yahoo.com

## B. BCWMC Staff and Consultants

### Administrator

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### Bassett Creek Recording Administrator

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## C. BCWMC Goals and 2011 Work Activities

### Description of Overall Goals

The BCWMC's general goals fall under the categories of water quality, flood control, erosion and sediment control, stream restoration, wetland management, groundwater, public ditches, and public involvement and information. The goals are to:

- Manage the water resources of the watershed, with input from the public, so that the beneficial uses of wetlands, lakes, and streams remain available to the community.
- Improve the quality of stormwater runoff reaching the Mississippi River by reducing the nonpoint source pollution (including sediment) carried as stormwater runoff.
- Protect and enhance fish and wildlife habitat and maintain shoreland integrity.
- Reduce flooding along the Bassett Creek trunk system which is defined as:
  - a. The main channel from Medicine Lake to the Mississippi River.
  - b. The North Branch from upstream of County Road 9 to its junctions with the Main Stem near T.H. 100.
  - c. The Sweeney Lake Branch, from its source in Section 5, T29N, R21W to its junction with the Main Stem downstream of Sweeney Lake.
  - d. Plymouth Creek, from the point where it intersects with Highway 55 in Section 17, T228N, R22W to Medicine Lake, including the lake.
  - e. The designated water quantity and water quality storage facilities.
  - f. All other drains designated as trunks by the BCWMC.
- Protect human life, property, and surface water systems that could be damaged by flood events.
- Regulate stormwater runoff discharges and volumes to minimize flood problems, flood damages, and the future costs of stormwater management systems.
- Provide leadership and assist member cities with coordination of intercommunity stormwater runoff planning and design.
- Prevent erosion and sedimentation to the greatest extent possible to protect the BCWMC's water resources from increased sediment loading and associated water quality problems.

- Implement soil protection and sedimentation controls whenever necessary to maintain health, safety, and welfare.
- Implement stream restoration measures whenever necessary to maintain health, safety, and welfare.
- Maintain or enhance the natural beauty and wildlife habitat value of Bassett Creek.
- Achieve no net loss of wetlands in the BCWMC, in conformance with the Minnesota Wetland Conservation Act (WCA) and associated rules.
- Protect the quantity and quality of groundwater resources.
- Manage public ditches in a manner that recognizes their current use as urban drainage systems.
- Raise awareness of the watershed's existence and the role that the BCWMC plays in protecting water quality and preserving the watershed's health and aesthetics.
- Enable the target audiences to have confidence in the BCWMC's expertise and participate in a meaningful way in the planning process and ongoing projects conducted by the BCWMC.
- Raise awareness of the impact that individuals, businesses, and organizations have upon water quality and motivate these audiences to change personal/corporate behavior that has a negative impact on water quality and the watershed.

## 2011 Work Activities Completed

In addition to the activities described in the Executive Summary, the BCWMC conducted the following activities in 2011. Work associated with review of development proposals is listed in Section E. Work related to water quality monitoring is addressed in Section F.

**Capital Improvements Program (CIP)**—The BCWMC continued to implement its capital improvements program. In 2011, these achievements included:

1. Progress on CIP projects. The following CIP projects were completed or underway in 2011:
  - Bassett Creek Main Stem streambank restoration project in the cities of Golden Valley and Crystal, from the Crystal-Golden Valley border to Regent Avenue.
  - Plymouth Creek streambank restoration project in Plymouth, from 26<sup>th</sup> Ave N to Medicine Lake.
  - Bassett Creek Main Stem streambank restoration project in Golden Valley, from Wisconsin Avenue to Rhode Island Avenue and from Duluth Street to the Golden Valley – Crystal boundary.
  - North Branch of Bassett Creek streambank restoration project in the City of Crystal, from 32nd Avenue North to Douglas Drive North.
  - Completed feasibility studies for 1) Bassett Creek Main Stem restoration project – Golden Valley Road to Irving Avenue North –in Golden Valley and Minneapolis; 2) Wirth Lake Outlet Modification Project, in Golden Valley; and 3) Schaper Pond enhancements, in Golden Valley, as recommended by the Sweeney Lake TMDL Implementation Plan.
  - A major plan amendment was submitted to, and approved by, BWSR in 2011, which included the addition of the following projects to the BCWMC’s CIP:
    - Bassett Creek Main Stem restoration project in Golden Valley and Minneapolis, from Golden Valley Road to Irving Avenue North.
    - Wirth Lake outlet modification project in Golden Valley; project will prevent backflow from the creek during flooding which would reduce phosphorus loading to the lake, as recommended in the Wirth Lake TMDL Implementation Plan.

- Lakeview Park pond construction to reduce nutrient loading to Medicine Lake (an impaired water).

At their September 15, 2011 meeting, the BCWMC passed resolution 11-08, approving the major plan amendment.

2. Applying for and obtaining a \$217,500 BWSR Clean Water Fund Grant for the Bassett Creek Main Stem streambank restoration project in Golden Valley and Minneapolis, from Irving Avenue North to Golden Valley Road.
3. BWSR Clean Water Fund Grant Administration:
  - a. Signing a grant agreement, and preparing and gaining approval of a work plan for the BCWMC's Wirth Lake outlet modification project, in Golden Valley.
  - b. Submitting project updates, reports, etc. for the BWSR Clean Water Fund Grants for the following BCWMC CIP projects:
    - i. Main Stem channel restoration, Crystal border to Regent, in Golden Valley and Crystal
    - ii. Plymouth Creek restoration, Medicine Lake to 26<sup>th</sup> Ave N, in Plymouth
    - iii. Wirth Lake outlet modification, in Golden Valley

The BCWMC's 10-year capital improvements plan and potential future water quality capital improvements plan are included in the BCWMC *Watershed Management Plan* (September 2004). The table listing the BCWMC's capital improvement projects, updated to include all of the plan amendments, is appended.

**Next Generation Watershed Management Plan**—In 2011, work began on issue identification for the Next Generation Watershed Management Plan, which the Commission will submit to the state for approval and expects to adopt in 2014.

**Impaired Waters and Total Maximum Daily Loads (TMDL) Studies**—The following water bodies in the Bassett Creek Watershed were listed in the Minnesota Pollution Control Agency's (MPCA) draft 2012 *"Inventory of Impaired Waters"*. The inventory includes listings of (1) impaired waters that require the development of a TMDL study, (2) impaired waters that have an approved TMDL study, but are not yet meeting water quality standards, and (3) impaired waters from natural

causes that do not require a TMDL study. The inventory is available at the MPCA's Impaired Waters web site: <http://www.pca.state.mn.us/water/tmdl/tmdl-303dlist.html>.

<b>Water Body (Lake/River ID #)</b>	<b>Pollutant or Stressor (Year of Listing)</b>
Bassett Creek from Medicine Lake to Mississippi River (07010206-538)	Fish bioassessments (2004) Fecal coliform (2008) Chloride (2010)
Sweeney Lake (27-0035-01)	Nutrient/Eutrophication Biological indicators (2004)
Wirth Lake (27-0037-00)	Nutrient/Eutrophication Biological indicators (2002) Mercury in fish tissue (1998) <sup>1</sup>
Medicine Lake (27-0104-00)	Nutrient/Eutrophication Biological indicators (2004) Mercury in fish tissue (2004) <sup>1</sup>
Parkers Lake (27-0107-00)	Mercury in fish tissue (1998)
Northwood Lake (27-0627-00)	Nutrient/Eutrophication Biological indicators (2004)

<sup>1</sup> The MPCA completed a statewide mercury TMDL that was approved 2007

- **Sweeney Lake TMDL Study**—In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, Sweeney Lake was listed as impaired due to excess nutrients (phosphorus). The TMDL was approved on August 10, 2011.

For more information about the Sweeney Lake TMDL study, visit the following Web sites:

- The Sweeney Lake TMDL project Web site maintained by SEH, Inc. is at <http://www.sehinc.com/online/sweeney>.
- The Sweeney Lake TMDL project Web site maintained by the MPCA is at <http://www.pca.state.mn.us/water/tmdl/project-sweeneylake.html>.
- The TMDL page on the Bassett Creek Watershed Management Commission's Web site is at <http://www.bassettcreekwmo.org/TMDLs/TMDLStudyHomepage.htm>
- **Medicine Lake TMDL Study**—In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, Medicine Lake was listed as impaired due to excess nutrients (phosphorus). The TMDL and implementation plan were approved on February 8, 2011.

For more information about the Medicine Lake TMDL study, please visit the following Web sites:

- The Medicine Lake TMDL project Web site maintained by the MPCA is at <http://www.pca.state.mn.us/water/tmdl/project-medicinelake-phosphorus.html>

- The TMDL page on the Bassett Creek Watershed Management Commission's Web site is at <http://www.bassettcreekwmo.org/TMDLs/TMDLStudyHomepage.htm>
- **Wirth Lake TMDL Study**—In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, Wirth Lake was listed as impaired due to excess nutrients (phosphorus in amounts greater than the state's goal of 40 micrograms per liter). The Wirth Lake TMDL and implementation plan were approved October 25, 2010.

For more information about the Wirth Lake TMDL study, visit the following Web sites:

- The Wirth Lake TMDL project Web site maintained by the MPCA is at <http://www.pca.state.mn.us/water/tmdl/project-wirthlake.html>
- The TMDL page on the Bassett Creek Watershed Management Commission's Web site is at <http://www.bassettcreekwmo.org/TMDLs/TMDLStudyHomepage.htm>
- **Bassett Creek Fish Bioassessment Listing**—In the *Final EPA-Approved MPCA 2004 CWA 303(d) List of Impaired Waters*, the Main Stem of Bassett Creek, from Medicine Lake to the Mississippi River, was listed as impaired for fish (biota). In response to this listing, the MPCA completed fish sampling of the creek in 2008. The MPCA is currently reviewing the existing biota standards/listing criteria. The TMDL will be completed as part of the future watershed-wide TMDL (see "Watershed-wide TMDL").
- **Bassett Creek Fecal Coliform Listing** —In the *2008 Final TMDL List Inventory of all Impaired Waters*, Bassett Creek, from Medicine Lake to the Mississippi River, was listed as impaired for fecal coliform. In response to this listing, the BCWMC and the MPCA cooperating in collecting and analyzing *E. coli* samples of Bassett Creek between July 2008 and June 2010. The samples confirmed the presence of *E. coli* bacteria. The Bassett Creek watershed is included in the Upper Mississippi River Bacteria TMDL project, which is currently underway. Additional data for the Upper Mississippi River *E. coli* TMDL was collected in 2010 and 2011, and identification of the likely sources of bacteria pollution began in 2011 and will continue in 2012. Stakeholder meetings will also continue in 2012. The draft TMDL report is expected sometime in 2013. The Upper Mississippi River *E. coli* TMDL project Web site maintained by the MPCA is at <http://www.pca.state.mn.us/water/tmdl/project-uppermiss-bacteria.html>.
- **Watershed-wide TMDL**—In 2010, the BCWMC considered the MPCA's suggestion that the BCWMC prepare a watershed-wide TMDL for the remaining impaired waters in the BCWMC – Bassett Creek (impaired for fecal coliform, fish bioassessments, and chloride

(draft 2010)), and Northwood Lake (impaired for nutrient/eutrophication biological indicators (total phosphorus)). However, with the inclusion of the Bassett Creek watershed in the Upper Mississippi River E. coli TMDL, and the MPCA's review of its existing biota standards/listing criteria, the BCWMC decided not to pursue the watershed-wide TMDL at this time. In 2011, the MPCA indicated that funding for a watershed-wide TMDL for the Bassett Creek watershed would be available in 2020 or later. The watershed-wide TMDL would cover the current Bassett Creek and Northwood Lake impairments, along with any future listings between now and 2020.

**Capital Improvement Project (CIP) Reserve Account.** In 2005 the BCWMC established a \$250,000 reserve fund to address shortages in available funding in any given year for construction of water quality CIP projects. The BCWMC agreed to revisit the reserve account policy each year. In 2011 the BCWMC made no changes to the policy.

**Annual Report**—The BCWMC prepared the 2010 Annual Report as set forth in the Minnesota Rules Chapter 8410.0150. The report was submitted to the Board of Water and Soil Resources and is available online at the Bassett Creek Watershed Management Commission Web site at <http://www.bassettcreekwmo.org>.

**Citizen Involvement**— The BCWMC encourages citizen participation, including providing an opportunity at each monthly BCWMC meeting for the Commission to hear citizen-input about agenda and non-agenda items. The BCWMC posts its meeting calendar, upcoming meeting agendas, meeting materials, and previous meeting minutes on its Web site ([www.bassettcreekwmo.org](http://www.bassettcreekwmo.org)) to provide citizens an opportunity to attend BCWMC and BCWMC Committee meetings and to monitor BCWMC actions. The BCWMC notified the public of and held public hearings on June 16 and September 15, 2011, to receive Public Testimony and Comments of Member Cities Regarding the Proposed Major Plan Amendment to the BCWMC's Watershed Management Plan.

**Water Quantity**—The BCWMC continued its lake- and stream-gauging program. The lake-gauging program consisted of collecting lake-level readings at Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), Northwood Lake and the Theodore Wirth Park storage area (upstream of the Highway 55 control structure). Lake levels were measured twice per month between April and September, and once per month taken outside this period.

The stream-gauging program consisted of periodically surveying stages or inspecting the creek during periods of high flow. The BCWMC also participated with the Metropolitan Council and

Minneapolis Park and Recreation Board on the watershed outlet monitoring program (WOMP) designed to continuously monitor flow and water quality.

**Watershed Inspection**—The BCWMC performed monthly erosion control inspections of construction sites within the watershed. Following each inspection, a letter was prepared and sent to the applicable municipality listing construction projects and the improvement needed for effective erosion control. Although the inspections are typically performed April through October each year, the inspections were discontinued following the August inspection because of budget concerns.

**Flood Control Project Inspection**—Because of budget concerns, the BCWMC did not perform its annual inspection of the flood control project structures in 2011.

**Development Proposals**—The BCWMC reviewed 28 development proposals in the watershed for conformance to water quality and flooding policies. The BCWMC reviewed 22 development proposals the previous year. See Section E: Project Reviews.

**Review of Adjacent WMO Plans/Plan Amendments**—In 2011, the BCWMC reviewed and commented on the General Amendment to the 2011 – 2021 Mississippi Watershed Management Organization Watershed Management Plan.

**Technical Advisory Committee**—Technical Advisory Committee meetings are open to the public and the meeting times and dates are posted on the BCWMC's Web site as well as at the BCWMC's official notice posting site of Golden Valley City Hall. The BCWMC directed its Technical Advisory Committee (TAC) to meet eight times during 2011 to review the following items:

1. Hydrologic and water quality modeling;
2. The BCWMC's Capital Improvement Program, projects to be added to it, and the Commission's annual timeline for updating it;
3. The components of the BCWMC's responsibility with the Main Stem trunk system;
4. The integration of BCWMC TMDL projects into the CIP;
5. Engineering services needs of the BCWMC;
6. The itinerary for the BCWMC's 2011 watershed tour;
7. Lakes to be sampled in the CAMP program;
8. Minnesota Pollution Control Agency Comments on the Sweeney Lake TMDL;
9. BCWMC's role as a categorical waste load allocator;
10. Electronic data collection of surface water elevations;
11. Permit review procedures;
12. Water quality trading and banking programs;

13. The BCWMC's draft 2012 budget;
14. The Commission's draft Education and Outreach Plan;
15. BCWMC policies for water quality treatment and non-degradation;
16. Next Generation Watershed Management Plan issue identification;
17. 2012 Channel Maintenance Fund applications; and
18. Preparation of a feasibility study for CIP project NL-2 (wetland-area project adjacent to the Four Season Mall site in the City of Plymouth).

**Resolutions**—The BCWMC passed 11 resolutions in fiscal year 2011. They are included in Appendix B.

## D. 2012 Projected Work Plan

Following is a list of tasks to be completed during 2012:

- **Capital Improvements Program (CIP)**—The BCWMC will continue to implement its capital improvements program. In 2012, this work will include:
  1. Capital Improvement Program and Prioritization—The BCWMC will review and update its capital improvement program and its water resource prioritization. The Capital Improvements Program is included in the report appendices.
  2. Progress on CIP projects:
    - Restore Main Stem Channel, Duluth St to Crystal border –Golden Valley—the estimated project cost is \$600,000.
    - Restore North Branch, 36<sup>th</sup> Ave to Bassett Creek Park –Crystal—the estimated project cost is \$834,900.
    - Restore Main Stem Channel, Irving Ave to Golden Valley Road –Minneapolis and Golden Valley—the estimated project cost is \$856,000.
    - Wirth Lake Outlet Modification (TMDL implementation project)—the estimated project cost is \$180,000.
    - Sweeney Lake Outlet Replacement – Golden Valley (to be funded using flood control project long term maintenance funds)—the estimated project cost is \$250,000.
  3. Completing feasibility studies for the following BCWMC CIP projects:
    - Project NL-2, dredge Pond NB-07 in the Northwood Lake watershed, in – Plymouth (proposed 2013 project)
    - Project BC-7, water quality improvement project in the Main Stem watershed – Golden Valley (proposed 2014 project)
    - Project TW-2, Twin Lake in-lake alum treatment – Golden Valley (proposed 2014 project)

4. Completing and gaining approval of a minor plan amendment to the BCWMC's *Watershed Management Plan* for the following project in Table 12-2 of the Plan (Water Quality Management and Flood Control 10-Year Capital Improvements Program (CIP)):
  - CIP project NL-2, Dredge Pond NB-07 in the Northwood Lake watershed – Plymouth—the estimated project cost is \$943,000.
  
5. Completing and gaining approval of a major plan amendment to the BCWMC's *Watershed Management Plan* to add the following projects to Table 12-2 of the Plan (Water Quality Management and Flood Control 10-Year Capital Improvements Program (CIP)):
  - Project SL-3, Schaper Pond Diversion Project (Sweeney Lake TMDL implementation project) – Golden Valley—the estimated project cost is \$550,000.
  - Project TW-2, Twin Lake in-lake alum treatment – Golden Valley—the estimated project cost is \$100,000.
  
6. BWSR Clean Water Fund Grant Administration:
  - Signing a grant agreement, and preparing and gaining approval of a work plan for the BCWMC's Main Stem channel restoration CIP project, Irving Ave to Golden Valley Road, in Minneapolis and Golden Valley.
  - Submitting project updates, reports, etc. for the BWSR Clean Water Fund Grants for the following BCWMC CIP projects:
    - Main Stem channel restoration, Crystal border to Regent, in Golden Valley and Crystal
    - Plymouth Creek restoration, Medicine Lake to 26<sup>th</sup> Ave N, in Plymouth
    - Wirth Lake outlet modification, in Golden Valley
    - Main Stem channel restoration, Irving Ave to Golden Valley Road, in Minneapolis and Golden Valley.

- **Watershed Management Plan**—The BCWMC will implement its Capital Improvements Program and its annual water quality and flood control programs, as described in the BCWMC *Watershed Management Plan*.
- **Next Generation Watershed Management Plan**—In 2012, the BCWMC will begin the planning process for its Next Generation Watershed Management Plan. In 2012, the process will include notifying stakeholders, requesting information of stakeholders, holding the initial planning meeting, and additional issue identification.
- **Watershed-wide XP-SWMM Model**—The BCWMC will update the current Bassett Creek watershed hydrologic and hydraulic (H & H) models to XP-SWMM. Currently, the majority of the watershed hydrology is modeled by the HEC-1 program, and the creek hydraulics are modeled with the HEC-2 program. Small sections of the watershed have been updated to the XP-SWMM model where more detailed modeling has been needed. XP-SWMM incorporates hydrology and hydraulics and deals effectively with issues like backwater and more complex outlet structures.

The updated model will allow the Commission to evaluate the impact of structure modifications and other projects on the creek and other major waterbodies in the watershed. In the future, newer and/or more detailed XPSWMM models performed by others (e.g., the cities) could be integrated into the Commission's updated H & H model, further increasing the usefulness of the model to the Commission and the member cities. The updated H & H model could also be used to help the Commission evaluate/understand potential flooding risks (e.g., spring snowmelt).

- **Watershed-wide P8 Water Quality Model**—The BCWMC will update the current Bassett Creek watershed water quality modeling. The water quality modeling of a significant portion of the watershed was completed with an older version of the P8 Model, with best management practice (BMP) information that is representative of the treatment conditions fifteen to twenty years ago. Some major subwatersheds have been updated to current land use and runoff drainage/BMP conditions when more detailed modeling was needed for Total Maximum Daily Load (TMDL) studies.

An updated P-8 water quality model will provide a key tool for the Commission to use in tracking the progress of the BCWMC and the MS4s towards TMDL implementation for impaired water bodies, not only within BCWMC, but also downstream of Bassett Creek. When projects are proposed and/or completed, the updated P8 model could be used to

estimate the loading reduction that will be achieved by the projects. An updated P8 model could also be used to evaluate the effect of proposed projects, such as projects that come under Commission review and Commission CIP projects. The member cities could also use the model to evaluate individual BMPs in their cities.

- **Water Quantity**—The BCWMC will perform its lake- and stream-gauging program. The lake-gauging program will encompass Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), Northwood Lake, Bassett Creek Park Pond and Theodore Wirth Park Storage area upstream of the TH 55 control structure. Two readings per month will be taken during the period April 1 – September 30; one reading per month will be taken outside this period. The stream-gauging program will consist of periodically surveying stages or inspecting the creek during periods of high flow. The program also includes periodic surveys of benchmarks.
- **Watershed Inspections**—The BCWMC will perform its watershed construction-site inspection program. The inspections have proved valuable in correcting erosion- and sediment-control practices that are not in conformance with BCWMC policies.
- **Flood Control Project Inspection**—The BCWMC will perform its annual flood control project inspection program as set forth in the Bassett Creek Flood Control Project Operations and Maintenance Manual.
- **Municipal Plan Review**—This item includes BCWMC review of the member cities' local water management plans and plan amendments, and BCWMC review of adjacent WMO plans and plan amendments.
- **Water Quality**—Proposed water quality tasks for 2012 include performance of the following:
  1. ***Bassett Creek Biotic Index Monitoring (3-year cycle)***: An assessment of the benthic invertebrates found in a stream provides a long-term assessment of its water quality. Benthic invertebrates will be collected from Plymouth Creek, the Sweeney Lake Branch, the North Branch and the Main Stem of Bassett Creek to evaluate its water quality and to detect changes in water quality over time. Hilsenhoff's Biotic Index (HBI) and the MPCAs IBI will be used to evaluate existing water quality and to assess changes.

2. ***Citizens Assisted Monitoring Program (CAMP)***: The program is managed by the Metropolitan Council Environmental Services (MCES). The lake-gauging program will include lake monitoring through CAMP. Volunteer citizens will monitor the following lakes in 2012: Twin Lake and Sweeney Lake in Golden Valley, two sites of Medicine Lake in the cities of Medicine Lake and Plymouth, Northwood Lake in New Hope, Westwood Lake in St. Louis Park, and Parkers Lake in Plymouth.
  3. ***Watershed Outlet Monitoring Program (WOMP)***: The program will be managed by Metropolitan Council Environmental Services (MCES) and the Minneapolis Park and Recreation Board (MPRB). The BCWMC will provide up to \$5,000 financial support to MPRB for operating the station and will provide technical assistance to MCES for maintenance of the rating curve.
  4. ***Wirth Lake and Spring Lake*** will be monitored by MPRB.
  5. ***River Watch Program***: The BCWMC will participate in the River Watch program managed by Hennepin County Environmental Services (HCES); one site on Bassett Creek will be sampled. HCES will provide a final report of the 2012 sampling results to the BCWMC.
  6. ***Stormwater flow monitoring and in-stream water quality monitoring*** in the Medicine Lake and Northwood Lake watersheds will be performed by the City of Plymouth and Three Rivers Park District.
- **Development Reviews**—The BCWMC will review development proposals in the watershed for conformance to water quality and flooding policies.
  - **Citizen Involvement**—The BCWMC will continue to encourage citizen participation at its monthly BCWMC meetings and at its Committee meetings. The meetings are noticed to the public and a meeting calendar is posted on the BCWMC’s Web site.
  - **Channel Maintenance Fund**—The BCWMC will continue to fund its Creek and Streambank Trunk System Maintenance, Repair and Sediment Removal Fund (the Channel Maintenance Fund). The BCWMC collects \$25,000 annually for the fund through an assessment paid by the member cities.
  - **Flood Control Long-Term Maintenance Fund**—The BCWMC established a long-term maintenance fund to be used to repair structures associated with the BCWMC Flood Control

Project. The BCWMC collects \$25,000 annually for the fund through an assessment paid by the member cities. The fund balance is not to exceed \$1 million.

- **Annual Report**—The BCWMC will prepare an annual report, submit the report to BWSR and member cities, and post it on the BCWMC Web site.
- **TMDL Implementation Reporting**— The EPA approved the Wirth Lake TMDL on October 25, 2010, the Medicine Lake TMDL on February 8, 2011, and the Sweeney Lake TMDL on August 10, 2011. These TMDLs assigned categorical waste load allocations, which means a watershed approach is to be taken in implementing water quality improvement measures in these watersheds. In 2012, the BCWMC will begin tracking the implementation of the Medicine Lake, Sweeney Lake and Wirth Lake TMDLs. The BCMWC role will likely include the following tasks:
  - Reporting on TMDL implementation activities to the MPCA.
  - Estimating and reporting progress towards achieving the assigned wasteload allocations. The BCWMC’s watershed P8 model, slated for completion in 2012, will be an essential tool for estimating reductions in phosphorus loading.
  - Monitoring lake water quality on an annual basis. See “Water Quality” bullet above regarding monitoring of these lakes in 2012.
- **Bassett Creek Main Stem Biota and Fecal Coliform Listings, and Northwood Lake Nutrient/Eutrophication biological indicators (total phosphorus) Listing**—See Section C. 2011 Work Activities Completed, Watershed-wide TMDL. No work anticipated in 2012.

## E. 2011 BCWMC Project Reviews

Two tables have been prepared that list development proposals and other plans that were reviewed by the BCWMC and/or its engineering consultant in 2011. The following table, *Plans Presented for BCWMC Review and Comment at Commission Meetings* includes development proposals and other plans that were reviewed and discussed during the BCWMC meeting. The second table, *Plans Presented for Administrative Review and Comment*, is a list of projects that were reviewed by the BCWMC's engineer in accordance with policies of the BCWMC.

### Plans Presented for BCWMC Review and Comment at Commission Meetings

<b>Appl. Form</b>	<b>Project Name</b>	<b>Date Submitted</b>	<b>City</b>	<b>Comments</b>	<b>Date of BCWMC Meeting</b>
2011-1	Golden Valley 2011 Pavement Mgmt Proj.	1/19/11	Golden Valley	Conditional approval, Public road	2/17/11
2008-28	9209 40 ½ Avenue Compensating Storage	2/2011	New Hope	City reported that compensating storage has been provided at Northwood Lake in accordance to variance request	3/17/11
2011-10	Tennant Co. Research Facility Improvements	6/28/11	Golden Valley	Conditional approval, Industrial facility	7/21/11
2011-11	General Mills Parking Lot Expansion	8/2011	Golden Valley	Conditional approval, Commercial expansion	8/18/11
2011-13	Draft Bassett Creek Regional Trail Master Plan (Three Rivers Park Dist.)	8/2011	Crystal Golden Valley New Hope Plymouth	Comments provided to Three Rivers Park Dist. Public Trail	8/18/11
2011-12	Canadian Pacific Railway Bridge Replacement	8/10/11	Minneapolis	Conditional approval Bridge across Bassett Creek	9/15/11
2011-14A	Crossroads Commons (Frontage Rd., site work)	8/30/11	Plymouth	Conditional approval, Public-Roads, Commercial	9/15/11
2011-14B	Crossroads Commons (Senior housing)	8/30/11	Plymouth	Conditional approval, High Density Residential	9/15/11
2011-15	1200 Angelo Drive Shoreline Restoration	8/31/11	Golden Valley	Approval, Residential shoreline restoration	9/15/11
2012-5	Bottineau Transitway Scoping Document (draft EIS)	1/6/12	Golden Valley Minneapolis Robbinsdale	Comments provided to Hennepin County Public Transportation	1/19/12

## Plans Presented for 2011 BCWMC Administrative Review and Comment

Appl. Form	Project Name	Date Submitted	City	Type
2010-18	Wirth Lake Improvements: Phase II	12/30/10	GV	Public-Park
2010-19	I-494 Expansion SP 2785-330 EAW	1/2011	Ply	Public-Street
2011-1	Golden Valley 2011 Pavement Management Project	1/19/11	GV	Public-Roads
2011-2	Golden Valley Little League baseball flds	2/24/11	GV	Public- Park
2011-3	Venture Bank	2/25/11	GV	Commercial
2011-4	Plymouth Business Center Parking Exp.	2/25/11	Ply	Commercial
2011-5	Wayzata Middle School Improvements	3/28/11	Ply	Public-School
2011-6	Annapolis Lane Improvements	4/20/11	Ply	Public Roads
2011-7	Zachary Park Playfield Hockey Rink	4/15/11	Ply	Public Park
2011-8	St. Louis Park Pavement Mgmt. Area 7	4/25/11	SLP	Public Roads
2011-9	MCES 1-GV-461 Interceptor Rehab.	6/29/11	GV	Utility
2011-10	Tennant Co. Research Facility Improv.	6/28/11	GV	Commercial
2011-11	General Mills Parking Lot Expansion	8/2011	GV	Commercial
2011-12	Canadian Pacific Bridge Reconstruction	8/10/11	MPLS	Railway
2011-13	Bassett Creek Regional Trail Master Plan	8/2011	Ply NH Cry GV	Public Trail
2011-14A	Crossroads Commons Front.Rd/Site Work	8/30/11	Ply	Public-Road
2011-14B	Crossroads Commons Senior Housing	8/30/11	Ply	High Density Residential
2011-15	1200 Angelo Drive	8/31/11	GV	Residential
2011-16	Cornerstone Church Site Improvements	9/07/11	Cry	Institutional
2011-17	North Tyrol Park Improvements	9/08/11	GV	Public-Park
2011-18	10 <sup>th</sup> Ave. N./Mendelssohn Ave. N. Grading/Public Work Maint. Improve.	9/08/11	GV	Public-Public Works Facility
2011-19A	10600 Wayzata Blvd. Site Cleanup	9/26/11	Mtka	Commercial Clean up
2011-20	CVS Pharmacy	9/22/11	NH	Commercial
2011-21	Hazelden Center Site Expansion	9/28/11	Ply	Institutional
2011-22	Bassett Creek Restoration: Wisconsin Ave to Crystal (CIP – 2011CR)		GV	Public – stream bank restoration
2011-23	Highway 55 Corporate Center	11/9/11	Ply	Ind./Com.
2011-24	Process Displays Parking Lot	11/11/11	NH	Ind./Com.
2012-5	Bottineau Transitway Scoping Document (Draft EIS)	1/6/12	GV, Mpls, Rob	Public

## F. 2011 Water Quality Monitoring Data and Studies

The following water quality monitoring and water quality studies were performed:

- **Westwood Lake and Crane Lake Water Quality Study**—The BCWMC performed detailed lake monitoring of Westwood Lake in St. Louis Park and Golden Valley, and Crane Lake in Minnetonka. Samples were collected on six occasions from one representative location on each lake (i.e., the deepest location in each lake basin). Dissolved oxygen, temperature, specific conductance, pH, oxidation reduction potential and Secchi disc transparency (Secchi depth) were measured in the field and water samples were analyzed in the laboratory for total phosphorus, soluble reactive phosphorus, total nitrogen, and chlorophyll *a*. BCWMC staff performed the sampling and analysis of water quality parameters. BCWMC staff also collected and analyzed phytoplankton and zooplankton samples. BCWMC prepared the report *2011 Lake Water Quality Study – Westwood Lake and Crane Lake* (January 2012). The report is also available on the BCWMC Web site (<http://www.bassettcreekwmo.org>).
- **Twin Lake Phosphorus Internal Loading Investigation**—The BCWMC performed an investigation of Twin Lake phosphorus internal loading. Water quality samples were collected from the deepest location of the lake on two occasions during winter, February and March 2009 and 2010. Dissolved oxygen, temperature, specific conductance, pH, and oxidation reduction potential (ORP) were measured in the field and water samples were analyzed in the laboratory for total phosphorus and soluble reactive phosphorus. BCWMC staff performed the sampling and a contract laboratory analyzed the samples. Sediment core samples were collected from three locations during May. The sediment cores were approximately 1 foot in depth and were sliced into five or six sections. Each section was analyzed for mobile and organic bound phosphorus. BCWMC staff collected and analyzed the samples. BCWMC staff collected and analyzed the samples. The BCWMC prepared the report *Twin Lake Phosphorus Internal Loading Investigation* (March 2011).
- **Citizens Assisted Lake Monitoring Program (CAMP)**— The BCWMC participated with the Metropolitan Council Environmental Services (MCES) in its citizen-assisted lake-monitoring program (CAMP). In 2011, citizen volunteers monitored the following lakes: Twin Lake and two sites on Sweeney Lake in Golden Valley, Northwood Lake in New Hope, two sites on Medicine Lake in Medicine Lake and Plymouth, Hidden Lake in Plymouth, Westwood Lake in St. Louis Park. For results of the 2010 CAMP, see *2010 Study of the*

*Water Quality Of 185 Metropolitan Area Lakes* (Met Council, November 2011) [the report on the 2011 CAMP is not yet available]. The report is also available on the Metropolitan Council Web site: <http://www.metrocouncil.org/environment/RiversLakes/Lakes/index.htm>.

- **Detailed stream monitoring at Bassett Creek WOMP station**—Stream monitoring was performed in cooperation with the Metropolitan Council Environmental Services (MCES) and the Minneapolis Park and Recreation Board (MPRB) as part of the stream monitoring and watershed outlet monitoring program (WOMP). See the MCES Web site for additional information: <http://www.metrocouncil.org/environment/RiversLakes/index.htm>.
- **Wirth Lake and Spring Lake Monitoring Data and Bassett Creek WOMP Data**—The Minneapolis Park & Recreation Board (MPRB) monitored the water quality of Wirth Lake and Spring Lake in 2011. The MPRB managed the Bassett Creek WOMP station. The MPRB's *2011 Water Resources Report* is not yet available. It will be available at the Minneapolis Park & Recreation Board Web site at: <http://www.minneapolisparcs.org/default.asp?PageID=791>.
- **Medicine Lake**—The City of Plymouth and Three Rivers Park District (TRPD) monitored Medicine Lake. The 2011 results are included in the *City of Plymouth Water Quality Monitoring Report, Prepared for City of Plymouth, 2011* (Three Rivers Park District), which is available at the City of Plymouth's Web site at: <http://www.plymouthmn.gov/Modules/ShowDocument.aspx?documentid=432>
- **Parkers Lake**—The City of Plymouth and Three Rivers Park District (TRPD) monitored Parkers Lake. The 2011 results are included in the *City of Plymouth Water Quality Monitoring Report, Prepared for City of Plymouth, 2011* (Three Rivers Park District), which is available at the City of Plymouth's Web site at: <http://www.plymouthmn.gov/Modules/ShowDocument.aspx?documentid=432>
- **Stormwater flow monitoring and in-stream water quality monitoring** in the Medicine Lake and Parkers Lake watersheds was performed by the City of Plymouth and Three Rivers Park District (TRPD). The 2011 results are included in the *City of Plymouth Water Quality Monitoring Report, Prepared for City of Plymouth, 2011* (Three Rivers Park District), which is available at the City of Plymouth's Web site at: <http://www.plymouthmn.gov/Modules/ShowDocument.aspx?documentid=432>

- **River Watch Program**—The BCWMC continues to support the Hennepin County Environmental Services’ River Watch Program. The program began in 1995 and uses volunteers to conduct biological monitoring as a means of monitoring water quality. The grading scale used in River Watch takes into account three major biotic indices used routinely in biological monitoring programs:
  - The Family Biotic Index, which measures the overall community of invertebrates and their tolerance to pollution levels. The scale ranges from 0 to 10 with the lower values indicating high sensitivity and good water quality if present.
  - EPT, which stands for Ephemeroptera, Plecoptera, and Trichoptera, or mayflies, stoneflies, and caddisflies. These three families include the most sensitive individuals and are looked at for indications of presence or absence. Higher scores indicate better water quality.
  - The number of families, which measures the overall abundance of families or total diversity of family units. Again, with this index, the higher the number the better.

Students have been monitoring Bassett Creek since 1999. There was one River Watch site in the Bassett Creek watershed in 2011 – site GM, which is located on Betty Crocker Drive in the City of Golden Valley. The report *Hennepin County River Watch 2011* is available online at:

<http://www.hennepin.us/portal/site/HennepinUS/menuitem.b1ab75471750e40fa01dfb47ccf06498/?vgnextoid=04eafcb677d33210VgnVCM10000049114689RCRD>

## G. Local Plan Adoption

The following table shows the status of the surface water management plan preparation for each municipality.

<b>Municipality</b>	<b>Local Plan Status</b>	<b>Comments</b>
Crystal	Completed	Local plan was approved by the BCWMC in January 2010. Resolution 10-02.
Golden Valley	Completed	Revised plan was approved by the BCWMC in September 2008. Resolution 08-06.
Medicine Lake	Completed	Local plan was approved by the BCWMC in January 2010. Resolution 10-05.
Minneapolis	Completed	Local plan was approved by the BCWMC in September 2006. Resolution 2006-04.
Minnetonka	Completed	Revised local plan was approved by the BCWMC in September 2008. Resolution 08-05.
New Hope	Completed	Revised plan was approved by the BCWMC in October 2008. Resolution 08-08.
Plymouth	Completed	Local plan conditionally approved by the BCWMC in February 1999. Resolution 99-3. Revised plan was approved by the BCWMC in November 2008. Resolution 08-09.
Robbinsdale	Completed	Local plan was approved by the BCWMC in October 1996; reconfirmed in April 1997. Resolution 97-5. Local plan was reviewed as part of the city's comprehensive plan review in 2008. Revised plan was submitted to the BCWMC for review in December 2009. Resolution 10-04.
St. Louis Park	Completed	Revised plan was approved by the BCWMC in September 2009. Resolution 09-06.

## H. Watershed Communication/Public Education

In accordance with Minnesota Rules, Chapter 8410.0100, Subpart 4, the BCWMC utilized the following information sources for providing information to the general public:

- **Improvements and Development Requirements**—The report *Requirements for Improvements and Development Proposals*, prepared by the BCWMC (2008), is posted for use and reference on the BCWMC's Web site at [http://www.bassettcreekwmo.org/require/2008\\_Requirements/2008RequirementsTOC.htm](http://www.bassettcreekwmo.org/require/2008_Requirements/2008RequirementsTOC.htm).
- **Web Site**—The BCWMC maintained information on its Web site throughout 2011. In 2011, there were approximately 159,498 visits, or 436 per day, and up from 87,538 visits in 2010. A copy of the Web site Usage Report from January 1, 2011, through December 31, 2011, is included in the appendices. The BCWMC's meeting calendar is on the Web site to inform the public of the Commission and Committee meetings. The address for the Bassett Creek Watershed Management Commission web site is <http://www.bassettcreekwmo.org>.
- **BCWMC Meeting Packet**— Each month in 2011 the BCWMC posted online meeting packets on its Web site and mailed a hard copy of the monthly meeting packets to approximately 20 interested parties. The packets included the BCWMC meeting agenda, meeting minutes, and meeting materials such as various correspondence items and other documents pertaining to the meeting agenda.
- **Communications Coordination**—The BCWMC will continue to implement a public information plan as recommended by the Policy and Citizens Advisory Groups at its November 13, 2001, special meeting.
- **Publications**—The Commission published its public hearing notices in a variety of Twin Cities metro-area publications including *Finance & Commerce*, *Sun Sailor*, and *Lakeshore Weekly News*.
- **Metro WaterShed Partners**—The BCWMC participated as a member of the Metro WaterShed Partners as a general supporter of the program and also as a supporter of the Metro Clean Water Minnesota Media Campaign. Metro Watershed Partners maintains a listserv and a Web site as forums for information sharing, holds monthly meetings for members to collaborate, and displays an exhibit at the State Fair to educate the public about

watersheds. The Clean Water Minnesota Media Campaign is a stormwater education collaboration that develops and delivers stormwater educational materials to a broad audience through television, radio, and billboard campaigns as well as through its Web site [www.cleanwatermn.org](http://www.cleanwatermn.org).

## I. Professional Services Proposal

In accordance with Minnesota Statutes, Section 103B.227, Subdivision 5, the BCWMC solicited letters of interest in 2010 for legal and engineering technical consulting services and therefore had no requirement to solicit letters of interest in 2011.

## J. Assessment of Changes in Fund Balance

A discussion of the fund balance is included in the BCWMC's annual financial audit report. A copy of the annual audit report is available in the Financial Information section of the Bassett Creek Watershed Management Commission's Web site at <http://www.bassettcreekwmo.org>.

## K. Wetland Conservation Act/Wetland Banking Program

**1991 Wetland Conservation Act**—The interim program of the 1991 Wetland Conservation Act was effective through December 31, 1993. On January 1, 1994, the permanent program of the 1991 Wetland Conservation Act became effective. Each municipality was required to designate the local government unit (LGU) responsible for administering the interim program and the permanent program of the 1991 Wetland Conservation Act. The following table indicates the local governmental unit for each municipality.

<b>Municipality</b>	<b>Permanent Program (Effective 1/1/94)</b>
Crystal	Crystal
Golden Valley	Golden Valley
Medicine Lake	BCWMC
Minneapolis	Minneapolis
Minnetonka	Minnetonka
New Hope	New Hope
Plymouth	Plymouth
Robbinsdale	BCWMC
St. Louis Park	BCWMC

BCWMC = Bassett Creek Watershed Management Commission

In 2011, the BCWMC submitted to BWSR its WCA annual report covering all 2010 WCA-related activities.

**Wetland Mitigation Policy**—The BCWMC's wetland mitigation policy specifies that filling or developing existing lakes and wetlands require an evaluation of the benefits of the wetland for stormwater storage, water quality enhancement, and wildlife habitat, as well as the development of a plan to mitigate the loss of those benefits somewhere in the affected municipality.

**Wetland Banking Program**—The BCWMC has not adopted a wetland banking program.

## II. Annual Financial Report

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The 2011 fiscal year for the Bassett Creek Watershed Management Commission (BCWMC) commenced on February 1, 2011 and ended January 31, 2012.

### **A. Approved Budget**

The approved operating budget for fiscal year 2011 was \$474,150. Each member's contribution toward the annual budget is based 50 percent on the total area of the municipality within the watershed and 50 percent on the tax capacity of the area within the watershed. A copy of the 2011 budget description, member-city assessment table, and operating budget table are appended.

### **B. Report of Revenues**

See the Financial Audit Report in the appendices.

### **C. Report of Expenditures**

See the Financial Audit Report in the appendices.

### **D. Financial Audit Report**

The annual audit report for the year ending January 31, 2011, was performed by Malloy Montague Karnowski Radosevich & Co., P.A. A copy of the annual audit report is included in the appendices and also is available on the Bassett Creek Watershed Management Commission's Web site at <http://www.bassettcreekwmo.org>.