



Bassett Creek Watershed Management Commission

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2006 Annual Report



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

May 2007

**Bassett Creek Watershed Management Commission
2006 Annual Report
Table of Contents**

Introduction..... 1

I. Annual Activity Report 2

 A. 2006 Commissioners 2

 B. BCWMC Staff and Consultants 3

 C. BCWMC Goals and 2006 Work Plan Summary 4

 D. 2007 Projected Work Plan..... 12

 E. Project Reviews 14

 F. Water Quality Monitoring Data and Studies 16

 G. Local Plan Adoption..... 18

 H. Watershed Communication/Public Education..... 19

 I. Professional Services Proposal..... 22

 J. Assessment of Changes in Fund Balance 22

 K. Wetland Conservation Act/Wetland Banking Program..... 22

II. Annual Financial Report 24

 A. Approved Budget..... 24

 B. Report of Revenues 24

 C. Report of Expenditures 24

 D. Financial Audit Report 24

Cover photo: Wirth Lake and New Pond Outlet Structure, Golden Valley, Minnesota

List of Appendices

Appendix A	Lake Levels
Appendix B	Water Quality Monitoring <ul style="list-style-type: none">• 2006 Lake Water Quality Study—Medicine Lake• A Biotic Index Evaluation of Bassett Creek and Plymouth Creek: 2006
Appendix C	Watershed Communications
Appendix D	Financial Information
Appendix E	Resolutions
Appendix F	Capital Improvements Program
Appendix G	Web Site Usage Report
Appendix H	Historical BCWMC Roster
Appendix I	Plans Presented for Administrative Review and Comment

Introduction

This report has been prepared in accordance with the Annual Reporting Requirements as set forth in the Minnesota Rules Chapter 8410.0150. The report format corresponds to the items listed in subparagraph 3 and subparagraph 4 of the Rules.

In 1969, the Bassett Creek Flood Control Commission was formed by adoption of a Joint Powers Agreement between the nine communities in the watershed. As required by the Joint Powers Agreement, the Bassett Creek Flood Control Commission adopted the Watershed Management Plan for Bassett Creek in February 1972.

In accordance with provisions of the 1982 Metropolitan Surface Water Management Act, the Bassett Creek Flood Control Commission revised its Joint Powers Agreement and created the Bassett Creek Watershed Management Commission (BCWMC). The Bassett Creek Watershed Management Plan was prepared by the BCWMC in 1986 and adopted on December 18, 1986. The Board of Water and Soil Resources approved the plan on July 26, 1989. The BCWMC's second generation *Watershed Management Plan* was approved by the Minnesota Board of Water and Soil Resources on August 25, 2004, and adopted by the BCWMC board of commissioners on September 16, 2004.

Regular meetings for the Bassett Creek Watershed Management Commission are held at 11:30 a.m. at the Golden Valley City Offices on the third Thursday of each month. The fiscal year extends from February 1, 2006 through January 31, 2007.

I. Annual Activity Report

A. 2006 Commissioners

Municipality	Commissioners	Alternates	Term Expires
Crystal	Pauline Langsdorf 8100 33 rd Avenue North Crystal, MN 55427 763-544-1317 langsdorf@aol.com	Vacant	February 1, 2009
Golden Valley	Mayor Linda Loomis, Treasurer City of Golden Valley 7800 Golden Valley Road Golden Valley, MN 55427 763-593-3990 Linda.loomis@ci.golden-valley.mn.us	David Hanson 1030 Angelo Drive Golden Valley, MN 55422 763-588-1478 davewhanson@gmail.com	February 1, 2009
Medicine Lake	Cheri Templeman PO Box 47091 Plymouth, MN 55447 612-750-3354 Templeman@Justice.com	John O'Toole MGO4SE, General Mills, Inc. PO Box 1113 Minneapolis, MN 55440 763-764-2422 john.otoole@genmills.com	February 1, 2009
Minneapolis	Michael Welch, Chair 217 South Cedar Lake Road Minneapolis, MN 55405 612-385-6885 Mike1w@qwest.net	Lisa Goddard 214 Logan Avenue North Minneapolis, MN 55405 763-475-0010 lgoddard@srfconsulting.com	February 1, 2007
Minnetonka	Bill Yaeger, Vice Chair 14600 Minnetonka Boulevard Minnetonka 55345 952-939-8239 byaeger@beaconbank.com	Vacant	February 1, 2007
New Hope	Mary Gwin-Lenth 4401 Xylon Avenue North New Hope, MN 55428 763-531-5102 mjgl@comcast.net	Vincent Vander Top Bonestroo Rosene Anderlik & Associates 2335 West Highway 36 St. Paul, MN 55113 651-604-4790 vvandertop@bonestroo.com	February 1, 2007
Plymouth	Ginny Black, Secretary Plymouth City Hall 3400 Plymouth Blvd Plymouth 55447 763-509-5004 Ginny_bassettcreek@att.net	Elizabeth Thornton 4270 Lawndale Lane North Plymouth 55446 763-509-0784 eathornt@comcast.net	February 1, 2008
Robbinsdale	Karla Peterson Minnesota Department of Health PO Box 64975 St. Paul, MN 55164-0975 651-215-0761 Karla.Peterson@health.state.mn.us	Erik Hansen Hammel, Green & Abrahamson, Inc. 701 Washington Avenue North Minneapolis, MN 55401 763-535-3436 ehansen@hga.com	February 1, 2008
St. Louis Park	Richard Johnson 8108 W. Franklin Avenue St. Louis Park 55426 952-545-0059 rejohnsonparkwifi@yahoo.com.com	C. Paul Carver 1450 Texas Circle St. Louis Park, MN 55426 612-423-6508 Paul.carver@bowmanandbrooke.com	February 1, 2008

B. BCWMC Staff and Consultants

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C. BCWMC Goals and 2006 Work Plan Summary

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.

Following is a summary of work performed during 2006. Work associated with review of development proposals is listed in Section E.

- **Capital Improvement Program (CIP)**—The following CIP projects were completed in 2006:
 1. Medicine Lake—In-lake herbicide treatment (ML-7, option 18 in Medicine Lake plan)—Herbicide application to treat Curlyleaf Pondweed was previously performed during 2004 and 2005. The final application of the three year project occurred during 2006. A report of the results will be available in 2007.

2. Westwood Lake—Westdale Park Pond (WST-1—option 1 in Westwood Lake plan)—
The BCWMC and City of St. Louis Park constructed CIP project WST-1. Construction began January 2006 and was completed May 2006.

Proposed CIP Projects—A proposed minor plan amendment request was sent to the BWSR for the following proposed CIP projects:

1. West Medicine Lake Park Pond—Construction of water quality treatment pond (ML-11) in the city of Plymouth. The purpose of the pond is to improve storm water quality by removing sediment and phosphorus.
 2. Northwood Lake East Pond—Construction of water quality treatment pond (NL-7) in the city of New Hope. The purpose of the pond is to improve storm water quality by removing sediment and phosphorus. The pond will treat storm water from approximately 22 acres.
- **Metropolitan Council Target Pollution Questionnaire**—The BCWMC responded to the referenced questionnaire.
 - **MPCA TMDL and Non-Degradation Planning Presentation**The BCWMC prepared a presentation on behalf of the watershed and member cities and met with the MPCA so the cities could use the TMDL equivalent studies, completed by the BCWMC, as a portion of the cities non-degradation plans.
 - **Protocol for Addressing New CIP Projects**—The BCWMC approved its Technical Advisory Committee's (TAC) recommendation on the protocol for addressing new capital Improvement Program (CIP) projects.
 - **Watershed Project Aesthetic Elements**—The BCWMC investigated the value of addressing aesthetics in CIP projects sponsored by the BCWMC. The Commission directed its TAC to recommend what ways, if any, the BCWMC could address aesthetic issues of projects and could work with the member-cities to address aesthetic issues.
 - **Minneapolis Local Surface Water Management Plan**—The BCWMC reviewed and conditionally approved the referenced plan at its July 20, 2006 meeting. The plan was approved at its September 21, 2006 meeting. The resolution to approve the Minneapolis Local Surface Water Management Plan was adopted at its November 16, 2006 meeting.

- **Bassett Creek Tunnel Repairs**—The BCWMC contracted with the city of Minneapolis to perform tunnel repairs identified in the 2004 flood control project inspection. The repairs were completed December 2005—January 2006. Funding for the project will be from the Flood Control Long-Term Maintenance Fund. A report summarizing the repairs was prepared.
- **Office of the Legislative Auditor (OLA)**—Watershed management was reviewed overall by the OLA. The BCWMC was one of 15 watershed management organizations (WMOs), watershed districts (WDs) and other entities profiled in depth by the OLA. The report is available online at the Minnesota Office of the Legislative Auditor’s Web site at: <http://www.auditor.leg.state.mn.us/ped/2007/watersheds.htm>
- **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 2006 the BCWMC made no changes to the policy.
- **Annual Report**—The BCWMC prepared the 2005 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>.
- **Water Quantity**—The BCWMC continued its lake- and stream-gauging program. The lake-gauging program consisted of collecting monthly lake-level readings at Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), and Northwood Lake. Lake levels were measured twice per month between April and September. The stream-gauging program consisted of periodically surveying stages or inspecting the creek if periods of high flow exist. 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. Graphs of lake levels are included in the appendices.
- **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.

- **Flood Control Project Inspection**—The BCWMC performed its annual inspections of the flood control project. Following the inspection, letters were prepared and sent to the applicable municipality and Mn/DOT summarizing the results of the inspection.
- **Development Proposals**—The BCWMC reviewed 44 development proposals in the watershed for conformance to water quality and flooding policies. See Section E: Project Reviews.
- **Total Maximum Daily Loads (TMDL) Studies:**

1. The following water bodies in the Bassett Creek Watershed were listed in the “Final EPA-approved MPCA 2004 CWA 303(d) TMDL List of Impaired Waters:”**

Water Body	Impairment
Bassett Creek	Fish IBI
Sweeny Lake	Excess nutrients
Wirth Lake	Excess nutrients; Mercury FCA
Medicine Lake	Excess nutrients; Mercury FCA
Parkers Lake	Mercury FCA

**List can be found at <http://www.pca.state.mn.us/publications/reports/tmdl-list-2004.pdf>

2. **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) and was listed as having a target TMDL study start date of 2009 and a target TMDL study completion date of 2012.

During 2006 the BWMC considered proceeding with the Sweeney Lake TMDL study and requested the MPCA allocate 2007 funds for the study. The MPCA secured funding in the amount of \$62,000 for the study. These funds need to be spent on the Sweeney Lake TMDL study by June 30, 2007. The MPCA secured an additional \$22,000 for the study that can be spent after June 30, 2007. The BCWMC began the review process of the Sweeney Lake TMDL study work scope prepared by Short, Elliot, Hendrikson, Inc. (SEH) and reviewed draft project contracts with the MPCA and SEH.

- The BCWMC directed its Technical Advisory Committee (TAC) to review the following items:
 1. Capital Improvement Program (CIP)
 2. Hennepin County Daylighting Streams Study
 3. TMDL recommendations
 4. Municipal Separate Storm Sewer System (MS4)
 5. Setting a de minimis for the BCWMC's nondegradation policy
 6. Channel Maintenance Fund and potential addition of larger, high-priority channel restoration projects to the CIP
 7. The Requirements for Improvements and Development Proposals document (published in 1998)
 8. Filtration and infiltration basin design and maintenance requirements and underground vault system design and maintenance requirements
 9. Annual funding amounts to the Erosion/Sediment (Channel Maintenance Fund) and Long-Term Maintenance (Flood Control Project)
 10. Permit review fees
 11. Compare member-cities maintenance agreements for storm water treatment ponds, rain gardens, and filtration basins:
 12. Change order process
 13. Ways the Commission could address aesthetic issues of projects and could work with member-cities to address such issues.
 14. Water quality modeling and funding
 15. BCWMC member-cities' permit approval processes and how they work with the Commission's review process and how to better integrate the Commission's basic functions with the member-cities' operations

16. How BCWMC member-cities track the location and maintenance of ponds, filtration and infiltration basins in their cities; Whether the Commission could or should provide support for tracking the location and maintenance; Whether the Commission should have minimum maintenance requirements

- **Permit Review Fees**—Based on the recommendation of its Technical Advisory Committee, the BCWMC implemented a permit review fee schedule effective January 1, 2006. The fee schedule is online at the Bassett Creek Watershed Management Web site at <http://www.bassettcreekwmo.org>.
- **Metro Watershed Partners**—Metro Watershed Partners staff made a presentation to the BCWMC regarding its water quality education programs. The BCWMC participated as a member of the Metro Watershed Partners.
- **20-Year Inspection of Bassett Creek Phase II Tunnels and I**—The BCWMC started the planning process for inspection of the Bassett Creek tunnel with City of Minneapolis, MnDOT and Corps of Engineers.
- **Twin's Stadium Project**—The BCWMC coordinated with the Ball Park Authority regarding inspection and construction of the proposed stadium over the Bassett Creek Tunnel.
- **Channel Maintenance Fund**—The BCWMC member cities were assessed \$25,000 for its creek and stream bank maintenance fund.
- **Flood Control Long-Term Maintenance Fund**—The BCWMC member cities were assessed \$25,000 (to a not-to-exceed fund amount of \$1 million) for its long-term maintenance fund. The fund will be used to repair structures associated with the Flood Control Project. Repairs to the Bassett Creek tunnel located in the city of Minneapolis will be reimbursed from this fund.
- **Resolution 2006-01, A Resolution of Appreciation for the Services of John O'Toole to the Bassett Creek Watershed Management Commission**— The BCWMC adopted Resolution 2006-01 at its February 16, 2006 meeting in recognition of the time and dedicated services given to the BCWMC from John O'Toole—the outgoing BCWMC Chair and commissioner representing Medicine Lake.
- **Resolution 2006-02, A Resolution Designating Depositories for Bassett Creek Funds.** The BCWMC adopted Resolution 2006-02 at its March 16, 2006 meeting.

- **Resolution 2006-03, A Resolution Certifying Capital Project Costs to Hennepin County for Tax Levy Pursuant to Minnesota Statutes, Section 130B.251**—The BCWMC adopted Resolution 2006-03 at its August 17, 2006 meeting.
- **Resolution 2006-04, A Resolution Approving the Local Plan Prepared by the City of Minneapolis**—The BCWMC adopted Resolution 2006-04 at its November 16, 2006 meeting.

D. 2007 Projected Work Plan

Following is a list of tasks to be completed during 2007:

- **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), and Northwood Lake. The stream-gauging program will consist of periodically surveying stages or inspecting the creek if periods of high flow exist.
- **Watershed Inspection**—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 flood control project inspection program as set forth in the Bassett Creek Flood Control Project Operations and Maintenance Manual.
- **Water Quality**—Proposed water quality tasks for 2007 include performance of the following:
 1. **Water Quality Monitoring:** The BCWMC and Three Rivers Park District will perform detailed lake monitoring of Crane Lake in Minnetonka and Westwood Lake in St. Louis Park.
 2. **CAMP:** The lake-gauging program will include lake monitoring through the citizens assisted monitoring program (CAMP). Volunteer citizens will monitor the following lakes: Sweeney Lake in Golden Valley, Northwood Lake in New Hope, Westwood Lake in St. Louis Park, Parkers Lake in Plymouth, South Rice Lake in Golden Valley.
 3. **Watershed Outlet Monitoring Program (WOMP:)** will be managed by Metropolitan Council Environmental Services and the Minneapolis Park and Recreation Board. The BCWMC will provide technical support.
 4. **River Watch Program:** will continue be managed by Hennepin County Environmental Services.
 5. **Parkers Lake:** will be monitored by Three Rivers Park District and the City of Plymouth.

6. **Wirth Lake:** will be monitored by Minneapolis Parks and Recreation Board.

- **Development**—The BCWMC will review development proposals in the watershed for conformance to water quality and flooding policies.
- **Citizen Involvement**—The BCWMC will make provisions for citizen participation.
- **Second Generation Watershed Management Plan**—The BCWMC will implement its Capital Improvements Program as described in the BCWMC *Watershed Management Plan*.
- **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.
- **Channel Maintenance Fund**—The BCWMC will continue its creek and streambank maintenance fund. The member cities will be assessed \$25,000 annually for the fund.
- **Flood Control Long-Term Maintenance Fund**—The BCWMC established a long-term maintenance fund to be used to repair structures associated with the Flood Control Project. The member cities will be assessed \$25,000 annually to a not-to-exceed fund amount of \$1 million.
- **Annual Report**—The BCWMC will prepare an annual report and submit to BWSR and member cities and will post it on its Web site.
- **Watershed Outlet Monitoring Program (WOMP)**—The BCWMC will support the WOMP program with the Metropolitan Council Environmental Services and the Minneapolis Park and Recreation Board.
- **Citizen Assisted Lake Monitoring Program (CAMP)**—The BCWMC will support the CAMP program with the Metropolitan Council Environmental Services.
- **20-Year Inspection of Bassett Creek Phase I and II Tunnels**—The BCWMC will coordinate and inspect the deep tunnel with City of Minneapolis, MnDOT and Corps of Engineers.
- **Sweeney Lake TMDL Study**—The BCWMC will perform a TMDL study on Sweeney Lake.

E. 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. The following table, "Plans Presented for BCWMC Review and Comment" 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 engineering consultant in accordance with policies of the BCWMC. The second table is included in the report appendices.

Plans Presented For BCWMC Review and Comment

Appl. Form #	Project Name	Date Submitted	City	Comments	Date of BCWMC Meeting
2006-01	French Regional Park Pedestrian Bridge Replacement	2-1-06	Ply	Conditional approval, Public improvement	2-16-06
2006-03	Golden Valley 2006 Pavement Management Program	3-2-06	GV	Approval, Public roads, culvert replacement (Dresden Ln, Bassett Cr. Drive)	3-16-06
2006-09	Armstrong High School Site Improvements	4-10-06	Ply	Conditional approval, Institutional improvement	5-18-06
2006-10	Park Pointe II	4-18-06	SLP	Conditional approval, Commercial development	5-18-06
2006-13	Golden Valley Road	4-27-06	GV	Conditional approval, Public roads	5-18-06
2006-17	Plymouth Covenant Church	6-1-06	Ply	Conditional approval, Institutional improvement	6-15-06
2006-16	1105 Xenium Lane	5-31-06	Ply	Conditional approval, Industrial expansion	6-15-06
2006-18	CSAH 101 EAW	5-19-06	Ply	Prelim comments sent, Public roads	6-15-06
2006-4	Noble Elementary School Site Imp	3-1-06	GV	Conditional approval, Institutional improvement	6-15-06
2006-19	South Halifax Park Improvements	6-22-06	Rob	Conditional approval Public park improvement	7-20-06
2006-20	Fernbrook Lane Reconstruction	7-6-06	Ply	Conditional approval, Public roads	7-20-06

Plans Presented for Commission Review and Comment (continued)

Appl. Form #	Project Name	Date Submitted	City	Comments	Date of BCWMC Meeting
2006-21	Wayzata Public Schools/Ply Creek Christian School	7-6-06	Ply	Conditional approval, Institutional improvement	7-20-06
2006-22	2040 Major Circle	8-1-06	GV	Approval, residential Stream bank protection	8-17-06
2006-24	REMAX Results	8-1-06	Ply	Denied Commercial development	8-17-06
2006-25	North Hennepin Regional Trail GV - Phase 1	8-2-06	GV	Approval, Public trail	8-17-06
2006-26	Zachary Park Athletic Fields	8-7-06	Ply	Conditional approval, Public park improvement	8-17-06
2006-24A	REMAX Results	9-6-06	Ply	Approved Commercial development	9-21-06
2006-27	West Health Parcel E	8-22-06	Ply	Conditional approval, Commercial improvement	9-21-06
Prelim.	Trunk Highway 55 Environmental Assessment	10-23-06	Ply	Comments provided to Hennepin County	11-16-06
2006-24	Primrose School of Plymouth	11-3-06	Ply	Withdrawn - commercial project approval by staff	11-16-06
2006-37	6905 Plymouth Avenue	11-28-06	GV	Conditional approval, Stream bank protection	12-21-06

F. Water Quality Monitoring Data and Studies

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

- **Medicine Lake**—The BCWMC and Three Rivers Park District performed detailed lake monitoring of Medicine Lake. Monitoring was performed at each lake on six to twelve occasions for selected parameters by Three Rivers Park District. Selected parameters included total phosphorus, soluble reactive phosphorus, total nitrogen, pH and chlorophyll *a*. Phytoplankton, and zooplankton was analyzed by BCWMC staff. An aquatic survey was performed on two occasions. The report *2006 Lake Water Quality Study - Medicine Lake (February 15, 2007)* was prepared by the BCWMC. A copy of the executive summary is appended. The entire report will be made available on the Bassett Creek Watershed Management Commission Web site (<http://www.bassettcreekwmo.org>)
- **Bassett Creek Biotic Index Monitoring**—An assessment of the benthic invertebrates found in a stream provides a long-term assessment of its water quality. During 1980, 1983, 1991, 1995, 2000 and 2003 benthic invertebrates were 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. During 2006, the same six stations monitored in previous surveys were monitored. Hilsenhoff's Biotic Index and the Invertebrate Community Index (ICI) was used to evaluate existing water quality and assess changes. A copy of the executive summary is appended. The entire report will be made available on the Bassett Creek Watershed Management Commission Web site (<http://www.bassettcreekwmo.org>)
- **Citizens Assisted Lake Monitoring Program (CAMP)**—The BCWMC participated with the Metropolitan Council Environmental Services (MCES) in its citizen-assisted lake-monitoring program (CAMP). Volunteer citizens monitored the following lakes: Sweeney Lake in Golden Valley, Northwood Lake in New Hope, Westwood Lake in St. Louis Park, Parkers Lake in Plymouth, and South Rice Lake in Golden Valley. See *A 2005 Study of the Water Quality of 172 Metropolitan Area Lakes June 2006*. A copy of the 2005 monitoring results in Bassett Creek watershed is appended. See the following link for the entire report http://es.metc.state.mn.us/eims/related_documents/repository/531200695532.pdf

See *2006 Study of the Water Quality of 186 Metropolitan Area Lakes*. A copy of the 2006 monitoring results in Bassett Creek watershed is appended. See the following link for the entire report:

<http://www.metrocouncil.org/environment/RiversLakes/Lakes/06LakeReport-a.pdf>

- **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 MCES Web site for additional information: <http://www.metrocouncil.org/environment/RiversLakes/index.htm>
- **River Watch Program**—The BCWMC has supported the Hennepin County Environmental Services in its River Watch Program. See Hennepin County Environmental Services Web site for additional information:
<http://wwwa.co.hennepin.mn.us/portal/site/HCInternet/menuitem.3f94db53874f9b6f68ce1e10b1466498/?vgnextoid=e76d26b92c9fc010VgnVCM1000000f094689RCRD&vgnnextfmt=default>
- **Medicine Lake and Parkers Lake**—The City of Plymouth has retained Three Rivers Park District to monitor Medicine Lake and Parkers Lake. A copy of the 2006 results is included in the report *City of Plymouth Water Quality Monitoring 2006 (Three Rivers Park District)*. The results and report can be obtained from Plymouth and Three Rivers Park District staff.
- **Wirth Lake, Spring Lake and Bassett Creek WOMP Data**—The Minneapolis Park & Recreation Board (MPRB) monitored Wirth Lake and Spring Lake. A copy of the executive summary and other sections related to Bassett Creek watershed from the MPRB's *2005 Water Resources Report* (October 2006) is appended and can be obtained from Minneapolis Park & Recreation Board Web site at:
http://www.minneapolisparcs.org/documents/caring/WQ_Annual_2005/WaterResourcesReport2005.pdf
- **Capital Improvements Program**—The 10-year capital improvements program plan and potential future water quality capital improvements plan prepared by the BCWMC is included in the BCWMC *Watershed Management Plan* (September 2004).

G. Local Plan Adoption

Many of the municipal plans were prepared prior to adoption of the BCWMC 2004 plan. The following table shows the status of the surface water management plan preparation for each municipality.

Municipality	Local Plan Status	Comments
Crystal	Preliminary planning started	Final plan scheduled to be completed in 2007.
Golden Valley	Completed	Local plan approved by the BCWMC in August 1999. Resolution 99-6. Revised plan is scheduled to be completed in 2008.
Medicine Lake	Not started	Plan will not be prepared. Medicine Lake will adopt Plymouth local plan after completion.
Minneapolis	Completed	Local plan was approved by the BCWMC in September 2006. Resolution 2006-04.
Minnetonka	Completed	Local plan was approved by the BCWMC in October 1997. Resolution 97-8. Revised plan is scheduled to be completed in 2008.
New Hope	Completed	Local plan was approved by the BCWMC in August 1996; reconfirmed in April 1997. Resolution 97-4. Revised plan is scheduled to be completed in 2007.
Plymouth	Completed	Local plan conditionally approved by the BCWMC in February 1999. Resolution 99-3. Revised plan is scheduled to be completed in 2008.
Robbinsdale	Completed	Local plan was approved by the BCWMC in October 1996; reconfirmed in April 1997. Resolution 97-5. Local plan will be reviewed as part of the city's comprehensive plan review in 2007. Revised plan is anticipated to be completed in 2007.
St. Louis Park	Completed	Local plan was approved by the BCWMC in March 2000; Resolution 00-2. Revised plan is scheduled to be completed in 2007.

H. Watershed Communication/Public Education

In accordance with Minnesota Rules, Chapter 8410, Subpart 4, the BCWMC utilized the following information sources for providing information to the general public:

- **Development Requirements**—The report Requirements for Improvements and Development Proposals prepared by the BCWMC (updated November 1998) is provided to developers and interested citizens.
- **Web site**—The BCWMC updated information on its Web site throughout 2006. Information posted on the site includes: the BCWMC's Watershed Management Plan, BCWMC meeting agendas, meeting/ events calendar, meeting minutes, water quality information, materials developed as part of the Second Generation planning process, permit application and information, and the BCWMC's annual reports. In 2006, there were approximately 79,217 visits to the BCWMC's Web site. A copy of the Web site Usage Report from January 1, 2006 through December 31, 2006 is included in the appendices. The address for Bassett Creek Web site is <http://www.bassettcreekwmo.org/>
- **Monthly BCWMC Meetings**—BCWMC meetings are held on the third Thursday of every month at the City of Golden Valley city hall and are open to the public.
- **BCWMC Meeting Packet**—The BCWMC distributed a monthly meeting agenda, meeting minutes, and meeting materials including various correspondence and items pertaining to the meeting agenda to approximately 40 interested parties over the last 12 months.
- **Communications Coordinator**—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.
- **Technical Advisory Committees (TAC) Meetings**—The TAC met the first Thursday of every other month starting in January 2006 to discuss issues directed to it by the BCWMC. TAC meetings were open to the public.
- **Medicine Lake Gage**—A staff gage is located at the Medicine Lake outlet structure. The current 0.00 staff gage reading is equal to 887.00 MSL.

- **Flood Damage Dollars Avoided**—A severe rainfall occurred on October 5th and 6th, 2006 in the Bassett Creek Watershed. The rainfall amount varied throughout the watershed from 4 inches to more than 6 inches. The recorded rainfall at the U.S. Weather Bureau Station in New Hope, MN, was 4.32 inches. From observed high-water marks, the resultant flooding was slightly in excess of a 2-percent flood (probability of occurring once in fifty years). It is estimated that \$3,500,000 in flood damage would have occurred to homes and businesses along the creek as a result of this flooding if the Bassett Creek flood control project had not been built-in the late 1990s.

- **Westwood Hills Nature Center**—The BCWMC approved funding from its construction budget for 12 permanent signs on the Nature Center property to educate visitors about the Westdale Park detention pond and two rain gardens in the nature center.

- **Yard and Garden Expo**—The BCWMC was an exhibitor at Plymouth’s annual Yard and Garden Expo on April 22, 2006.

- **Demonstration and Public Communications Budget Items**—The BCWMC approved the 2007 launch of a new small grant program, developed by the BCWMC’s Education and Outreach Committee, designed to promote water-quality improvement projects and communications and education programs that reduce pollution. The grant program will provide up to \$1,000 to grantees to support the following activities:
 1. Water-quality improvement projects;
 2. Communication and education programs on reducing pollution from household activities; and
 3. Projects that raise citizen awareness of their role/ responsibility in improving and maintaining water quality in the watershed.

The BCWMC has information about grant eligibility and application procedures in its grant program section of the Bassett Creek Watershed Management Organization Web site at <http://www.bassettcreekwmo.org/index.html>.

- **BCWMC Education and Outreach Committee:**

1. The BCWMC approved the Education and Outreach Committee's recommendation to develop a table-top display for using at educational events. The display will be completed and ready for demonstration use in 2007.
2. The Education and Outreach Committee began participating in quarterly joint meetings of the Education and Public Outreach Committees (EPOC) of the Bassett Creek Watershed Management Organization (WMO), Elm Creek Watershed Management Organization (WMO), and Shingle Creek/ West Mississippi WMO. The purpose of the joint meetings is to promote consistent and cooperative messages in the participating watersheds.
3. The BCWMC approved the Committee's recommendation that the BCWMC participate with the Joint EPOC to conduct a joint survey of residents regarding knowledge of water-related issues. The joint survey is anticipated to take place in 2007.

I. Professional Services Proposal

In accordance with Minnesota Statutes, Section 103B.227, Subdivision 5, the BCWMC solicited proposals for legal and for engineering and technical consulting services. In 2006 the BCWMC formed a proposal review committee to review the three engineering and technical services proposals received. After reviewing the proposals, the committee recommended to the BCWMC that it continue contracting with Barr Engineering Company for engineering and technical consulting services. The BCWMC approved contracting with Barr Engineering Company for engineering and technical services and with the legal firm of Kennedy & Graven for legal services.

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 will be made available on 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.

Municipality	Permanent Program (Effective 1/1/94)
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

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

The 2006 fiscal year for the Bassett Creek Watershed Management Commission (BCWMC) commenced on February 1, 2006 and ended January 31, 2007.

A. Approved Budget

The approved budget for fiscal year 2006 was \$414,700. 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 2006 budget proposal prepared by the BCWMC's treasurer is appended.

B. Report of Revenues

See Financial Audit Report.

C. Report of Expenditures

See Financial Audit Report.

D. Financial Audit Report

The annual audit report for the year ending January 31, 2006, was performed by Malloy Montague Karnowski Radosevich & Co., P.A. A copy of the annual audit report will be made available on the Bassett Creek Watershed Management Commission's Web site at <http://www.bassettcreekwmo.org>.

Introduction

I. Annual Activity Report

II. Annual Financial Report

Appendix A

Lake Levels

Appendix B
Water Quality Monitoring

Appendix C
Watershed Communications

Appendix D
Financial Information

Appendix E
Resolutions

Appendix F
Capital Improvements Program

Appendix G
Web Site Usage Report

Appendix H
Historical BCWMC Roster

Appendix I

Plans Presented for Administrative Review and Comment

Plans Presented for Administrative Review and Comment

Appl. Form #	Project Name	Date Submitted	City	Type
2005-1	Westmarke Condos (Stonebridge Condos)	2-15-05	SLP	Multiple Residential
2005-32	Larkin Pond	12-2-05	Ply	Residential
2005-32	CR 73/I-394 Park & Ride	12-12-05	Mntka	Public – Roads
2006-1	French Regional Park Bridge Replacement	2-1-06	PLY	Public - Park
2006-2	Ripley Gardens	2-2-06	Mpls	Multiple Residential
2006-3	GV 2006 Pavement Mgmt-West Sweeney Lake	3-2-06	GV	Public - Roads
2006-4	Noble Elementary Bldg Add.	3-1-06	GV	Institutional
2006-5	Waterford Park Shopping Center	3-01-06	Ply	Commercial
2006-6	Ply Middle School	3-3-06	Ply	Institutional
2006-7	Lowell Curve	3-15-06	Mpls	Residential
2006-8	Rome Companies Office/Warehouse	4-6-06	NH	Commercial
2006-9	Armstrong High School	4-10-06	Ply	Institutional
2006-10	Park Pointe II (Lou Park)	4-01-06	SLP	Soil Remediation
2006-10	Park Pointe II (Lou Park)	4-18-06	SLP	Multiple Residential
2006-11	Daimler Chrysler Truck Trailer Area	4-27-06	Ply	Industrial
2006-12	Rockridge Center	5-3-06	Ply	Commercial
2006-13	Golden Valley Road	4-27-06	GV	Public - Roads
2006-14	Park Valley School	5-19-06	GV	Institutional
2006-15	Nuaire Parking Expansion	5-30-06	Ply	Commercial
2006-16	Carlson Real Estate (1105 Xenium Lane)	5-31-06	Ply	Industrial
2006-17	Plymouth Covenant Church	6-1-06	Ply	Institutional
2006-18	CSAH 101 EAW	5-19-06	Ply	Public - Roads
2006-19	South Halifax Park Imp.	6-22-06	Rob	Public - Park
2006-20	Fernbrook Lane Improvement	7-6-06	Ply	Public - Roads
2006-21	Wayzata Public School Plymouth Creek Christian Church	7-6-06	Ply	Institutional
2006-22	2040 Major Circle	8-1-06	GV	Single Family Lot
2006-23	The Lock-Up	8-1-06	Ply	Commercial
2006-24	REMAX Results	8-1-06	Ply	Commercial
2006-24A	REMAX Results	9-6-06	Ply	Commercial
2006-25	North Hennepin Regional Trail: Golden Valley Phase I	8-2-06	GV	Public - Trail
2006-26	Zachary Park Improvements	8-7-06	Ply	Public - Park

Appl. Form #	Project Name	Date Submitted	City	Type
2006-27	West Health Parcel E	8-22-06	Ply	Commercial
2006-28	Four Points of Plymouth	8-28-06	Ply	Residential
2006-29	Four Seasons Automotive	9-18-06	Ply	Commercial
2006-30	General Mills JFB Central Chiller Plant	10-11-06	GV	Commercial
2006-31	Top Line Federal Credit Union	10-20-06	Ply	Commercial
2006-32	Taco Bell	10-30-06	Ply	Commercial
2006-33	Metropoint-Theater Complex Demolition	10-31-06	SLP	Commercial
2006-34	Primrose School of Plymouth	11-3-06	Ply	Commercial
2006-35	Miner Site	11-3-06	GV	Commercial
2006-36	Logis Addition	11-7-06	GV	Commercial
2006-37	6905 Plymouth Avenue	11-28-06	GV	Single Family
2006-38	Penn-Lowry Crossing	1-5-07	Mpls	Commercial
2006-39	Industrial Supply Co.	1-09-07	Ply	Commercial
Prelim.	TH 55 EAW - preliminary	10-23-06	Ply	Public - Roads