

Bassett Creek Water Management Commission 2000 Annual Report

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Cover photo: Westwood Hills Nature Center at Westwood Lake, St. Louis Park, Minnesota

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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 Water Management Commission. The Bassett Creek Water Management Plan was prepared by the Commission in 1986 and adopted on December 18, 1986. The Board of Water and Soil Resources approved the plan on July 26, 1989.

Regular meetings for the Bassett Creek Water Management Commission are held at 12:00 noon at the Golden Valley City Offices on the third Thursday of each month. The fiscal year extends from February 1, 2000, through January 31, 2001.

I. Annual Activity Report

A. 2000 Commissioners

Municipality	Commissioners	Alternates	Term Expires
Crystal	Tom Mathisen, Secretary 4141 Douglas Drive Crystal, MN 55422 763-531-1160	David Anderson 2949 Hampshire Avenue Crystal, MN 55427 651-297-3010	February 1, 2003
Golden Valley	David Hanson, Treasurer 1030 Angelo Drive Golden Valley 55422 763-588-1478	Robert Mayeron 130 Nevada Avenue South Golden Valley, MN 55426 763-544-8241	February 1, 2003
Medicine Lake	John O'Toole, Vice Chairman MGO4SE, General Mills, Inc. PO Box 1113 Minneapolis 55440 763-764-2422		February 1, 2003
Minneapolis	Michael Welch Minnesota Environmental Initiative 219 N. Second Street, Suite 201 Minneapolis, MN 55401-1453 612-334-3388	Edward McRoberts 2400 Glenwood Minneapolis, MN 55405 612-374-5894	February 1, 2001
Minnetonka	Lee Gustafson, Chairman 14600 Minnetonka Boulevard Minnetonka 55345 952-939-8239	Jennifer Posma 14600 Minnetonka Boulevard Minnetonka, MN 55345 952-939-8234	February 1, 2001
New Hope	Guy Johnson 5500 International Parkway New Hope, MN 55428 763-533-4823 (ext. 16)	Dan Donahue 4401 Xylon Avenue N. New Hope 55428 763-531-5112	February 1, 2001
Plymouth	Ron Quanbeck 3400 Plymouth Boulevard Plymouth 55447 763-509-5525	Fred Moore 3400 Plymouth Boulevard Plymouth 55447 763-509-5501	February 1, 2002
Robbinsdale	William Deblon 4100 Lakeview Avenue North Robbinsdale 55422-1898 763-537-4534	Lori Hoebelheinrich 4100 Lakeview Avenue North Robbinsdale, MN 55422-1898 763-537-4534	February 1, 2002
St. Louis Park	Michael Rardin 5005 Minnetonka Boulevard St. Louis Park 55416 952-924-2551	Carlton Moore 5005 Minnetonka Boulevard St. Louis Park 55416 952-924-2552	February 1, 2002

B. Commission Staff and Consultants

Commission Attorney

Charlie LeFevere
Kennedy & Graven
470 Pillsbury Center
Minneapolis, MN 55402
612-337-9215

Commission Engineer

Leonard J. Kremer, P.E.
James P. Herbert, P.E.
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803
952-832-2600

Deputy Treasurer

Susan Virnig
City of Golden Valley
7800 Golden Valley Road
Golden Valley, MN 55427
763-593-8010

Recorder

Patricia Schutrop
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803
952-832-2652

Corps of Engineers Representative

David Raasch
St. Paul District, U.S. Army Corps of Engineers
190 Fifth Street East
St. Paul, MN 55101-1638
651-290-5437

C. Commission Goals and 2000 Work Plan Summary

The primary goals of the Commission are to:

1. 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 Commission.
2. Maintain and enhance the quality of the groundwater and surface-water resources in the watershed. Manage land development and water resource development of the watershed so that the beneficial uses of lakes and streams are available for maximum desired use by the community and to minimize the pollution of lakes, water bodies and streams.
3. Minimize the effects of the selected water management plan on the existing aesthetic environmental quality of the creek, by using a combination of structural and nonstructural alternatives. Where possible, the water management planning should enhance the existing environmental and aesthetic qualities.

Following is a summary of work performed during 2000. Work associated with review of development proposals is listed in Paragraph E.

- **Annual Report**—The Commission prepared the 1999 Annual Report as set forth in the Minnesota Rules Chapter 8410.0150. The report was submitted to the Board of Water and Soil Resources.

- **Water Quality**—The Commission continued the watershed and lake management plan for Plymouth Creek/Medicine Lake. The Commission completed the Main Stem Watershed and Lake Management Plan for Bassett Creek between the Mississippi River and Medicine Lake. The Commission completed the Twin Lake Watershed and Lake Management Plan. The Commission completed the Bassett Creek Park Pond Watershed and Lake Management Plan. The Commission prepared a draft water quality capital improvement plan. The Commission performed detailed lake monitoring of Parkers Lake in Plymouth, Northwood Lake in New Hope, Sweeney Lake and Twin Lake in Golden Valley. The Commission performed biotic index monitoring at six sites along Plymouth Creek, Sweeney Lake Branch, North Branch and the Main Stem. Water quality tasks are more thoroughly identified in Paragraph F.
- **Water Quantity**—The Commission 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 inspecting the creek during periods of high flow. Graphs of lake levels are included in the appendix.
- **Watershed Inspection**—The Commission 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.
- **Development Proposals**—The Commission reviewed development proposals in the watershed for conformance to water quality and flooding policies.
- **Highway 100**—The Commission is working with Mn/DOT and affected communities to identify methods to mitigate impacts on the water quality of the south fork of Bassett Creek and Sweeney Lake due to the proposed Highway 100 reconstruction. Mn/DOT and the Commission approved a contract to construct a diversion pipe from the storm sewer on the east side of Highway 100 to the water quality pond in Bassett Creek Park.
- **Flood Control Project**—The Commission, Corps of Engineers and city of Minneapolis finalized cost summaries and credit information regarding the Bassett Creek Flood Control Project.

- **Watershed Outlet Monitoring Program (WOMP)**— see Section H: Watershed Communication/Public Education.
- **River Watch Program**— see Section H: Watershed Communication/Public Education.
- **Citizen Assisted Lake Monitoring Program (CAMP)** — see Section H: Watershed Communication/Public Education.
- **Soil Phosphorus Program**— see Section H: Watershed Communication/Public Education.
- **Flood Profiles**—The Commission worked with the Corp of Engineers to approve revised flood profiles along sections of Bassett Creek for the Federal Flood Insurance Program.
- **Bassett Creek Middle Mississippi Watershed Boundary Change**—The Commission worked with the City of Minneapolis regarding a proposed boundary change due to construction of the new tunnel. A map of the new boundary was prepared.
- **Second Generation Planning Committee**— The Commission continued its planning process and established a committee to prepare its Second Generation Water Management Plan. Key tasks performed during 2000 included:
 1. Preparation of the *Second Generation Plan - Planning Process Handbook*. Documents include: Statement of Purpose and Strategy, Major Issues document; Work Plan; Stakeholder Involvement Process.
 2. Establishment of Citizens Advisor Group (CAG), Technical Advisory Group (TAG), and Policy Advisory Group (PAG).
 3. Public Forum - November 1, 2000: the Commission held a public forum to introduce its planning efforts for its Second Generation Plan. Five stations including, general information, flood control projects, water quality improvement projects, lake and stream water quality status, and second generation planning process were set up.
- **LCMR Grant Application**—A LCMR (Legislative Commission on Minnesota Resources) grant application was prepared for funding lake restoration projects at Medicine, Sweeney, and Wirth Lake.

- **Metropolitan Council Grant Application**—A grant application was prepared for funding preparation of the 2000 local water resources management plan and submitted to the Metropolitan Council.
- **Challenge Grant**—The Commission was a co-applicant for a grant to repair erosion along the Main Stem of Bassett Creek in the vicinity of the Fruen Mill and Glenwood Inglewood facility in Minneapolis.
- **EMPACT Grant**—The Commission participated as a partner/sponsoring organization with Suburban Hennepin Regional Park District for the EMPACT (Environmental Monitoring for Public Access and Community Tracking) grant. Grant was prepared and submitted by the University of Minnesota, the Iron Range Resources and Rehabilitation Board, and Suburban Hennepin Regional Park District.
- **Stream Inventory**—The Commission prepared a standard inventory form for use during channel erosion inspection.
- **Ditch Legislation**—The Commission worked with Hennepin County regarding legislation to transfer authority of county ditches to WMOs.
- **Capital Improvement Plan and Prioritization**—The Commission updated its capital improvement plan and its water resource prioritization.
- **Tour**—The Commission conducted a tour of several sites within the Bassett Creek Watershed.
- **Stream Erosion Investigation**—Based on feedback from residents, Commission investigated erosion and sedimentation concerns along the Main Stem of Bassett Creek in the vicinity of Theodore Wirth Park.
- **Resolution 00-1, Agreement with Mn/DOT**—The Commission adopted resolution 00-1 authorizing the Commission to enter into an agreement with Mn/DOT regarding installation of a storm water pipe.
- **Resolution 00-2, St. Louis Park Comprehensive Water Resource Management Plan**—The Commission reviewed the St. Louis Park Comprehensive Water Resource Management Plan. The plan was conditionally approved at its March 17, 2000 meeting. Resolution 00-2 was prepared approving the plan.

- **Resolution of Appreciation**—The Commission adopted a resolution of appreciation for services by Commissioner Edward Silberman. Mr. Silberman was appointed an Alternate Commissioner by City of Golden Valley in 1973 and a Commissioner in 1974.
- **Resolution of Appreciation**—The Commission adopted a resolution of appreciation for services by Commissioner Rammankutty Kannankutty. Mr. Kannankutty was appointed an Alternate Commissioner by City of Minneapolis in 1990 and a Commissioner in 1993.
- **Resolution of Appreciation**—The Commission adopted a resolution of appreciation for services by Alternate Commissioner Jodi Polzin. Ms. Polzin was appointed an Alternate Commissioner by City of Minneapolis in 1993.

D. 2001 Projected Work Plan

Following is a list of tasks to be completed during 2001:

- **Water Quantity**—The Commission will continue 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 Commission will continue its watershed construction-site inspection program. The inspections have proved valuable in correcting erosion- and sediment-control practices that are not in conformance with Commission policies.
- **Water Quality**—Proposed water quality tasks for 2000 include performance of the following tasks:
 1. *Detailed Lake Monitoring of Crane Lake in Minnetonka, Lost Lake in Plymouth, and Westwood Lake in St. Louis Park*: Monitoring will be performed at each lake on six occasions for selected parameters. Selected parameters include total phosphorus, soluble reactive phosphorus, total nitrogen, pH, chlorophyll a, phytoplankton, and zooplankton. An aquatic survey will be performed on two occasions.
- **Flood Profiles**—The Commission will adopt revised flood profiles after FEMA has approved flood profiles along sections of Bassett Creek.
- **Water Management Plan Amendment**—The Commission will proceed in preparing minor amendments to the Water Management Plan and present amendments to the Board of Water and Soil Resources.
- **Development**—The Commission will continue to review development proposals in the watershed for conformance to water quality and flooding policies. Some cities may elect to minimize Commission review after approval of its individual water management plan.
- **Citizen Involvement**—The Commission will continue to make provisions for citizen participation.

- **Second Generation Water Management Plan**—The Commission will continue its second generation planning process. Revisions are necessary to the existing plan in order to comply with the provisions of Minnesota Rules Chapter 8410, the Metropolitan Surface Water Management Act, the Metropolitan Water Management Development Guide, and the approved county groundwater and other regional plans.
- **Soil Phosphorus Education Program**—The Commission will continue to work to implement a soil phosphorus educational program for the Medicine Lake watershed.
- **Ditch Legislation**—The Commission will continue to work with Hennepin County regarding legislation to transfer authority of county ditches to WMOs.
- **Capital Improvement Plan and Prioritization**—The Commission will continue to review and update its capital improvement plan and its water resource prioritization.

E. Project Reviews

The following two tables list construction projects and other plans that were reviewed by the Commission and/or its engineering consultant. The first table, "Plans Presented for Commission Review and Comment," is a list of projects that were discussed during Commission meetings. The second table, "Plans Presented for Administrative Review and Comment," is a list of projects that were reviewed by the Commission's engineering consultant in accordance with policies of the Commission.

Plans Presented For Commission Review and Comment

Appl. Form #	Project Name	Date Submitted	City	Comments	Date of Commission Review
00-5	1999 Plymouth Street Reconstruction – Deerwood Lane Area	02/07/00	Plymouth	Conditional approval, public street reconstruction.	2/17/00
99-18	S.P. 2735-134 (TH 100 Segment 1) Sweeney Lake Branch Crossing	02/00	Golden Valley	Conditional approval, reconstruction project.	3/17/00
99-11	Breck School Expansion - Phase II	12/10/00	GV	Conditional approval, institutional project.	3/17/00
00-3	230 Peninsula Road	03/02/00	Medicine Lake	Conditional approval, single family home.	3/17/00
99-39	South Medicine Lake Trail	03/00 01/01	Medicine Lake / Plymouth	Commission discussed LGU issues. Commission will act as LGU for the project.	3/17/00 1/18/01
00-9A	2000 Golden Valley Pavement Management-Wesley Park Area	04/03/00	Golden Valley	Conditional approval, public street reconstruction.	4/20/00
00-9B	2000 Golden Valley Pavement Management-Hampshire Park Area	04/03/00	Golden Valley	Conditional approval, pond and public street reconstruction.	4/20/00
00-12	1919 Kyle Place	05/02/00	Golden Valley	Conditional approval, single family home.	5/18/00
00-11A	3440 Winpark Drive	04/06/00	New Hope	Conditional approval, commercial expansion project.	5/18/00
00-14	Pointe West Commons 1 & 2	05/04/00	Saint Louis Park	Conditional approval, multi-use redevelopment.	5/18/00
xx-xx	Wisconsin Ave Control Structure	05/00	Golden Valley	Bassett Creek Control Structure – preliminary	5/18/00
00-17	5919 St. Croix Ave.	5/30/00	Golden Valley	Conditional approval, riprap protection along single family home.	6/15/00
00-18	Wesley Commons	06/06/00	Golden Valley	Conditional approval, multi use redevelopment.	6/15/00

Plans Presented for Commission Review and Comment (continued)

Appl. Form #	Project Name	Date Submitted	City	Comments	Date of Commission Review
00-20	Meadowbrook School	6/08/00	Golden Valley	Preliminary review of institutional redevelopment.	6/15/00
		11/00		Conditional approval of institutional redevelopment.	11/14/00
00-26	5905 Wolfberry Lane	08/03/00	Golden Valley	Conditional approval, single family home.	8/17/00
00-28	Plymouth Town Center	8/07/00	Plymouth	Conditional approval, commercial development.	8/17/00
00-34	2244 Regent Avenue	10/09/00	Golden Valley	Conditional approval, riprap protection along single family home.	10/19/00
00-33	General Mills Parking Lot Expansion	10/06/00	Golden Valley	Conditional approval, commercial site.	10/19/00
00-18	Wesley Commons-bank stabilization	10/00	Golden Valley	Conditional approval of bank stabilization plan along Bassett Creek.	10/19/00
00-37	Shadow Hills Apartments	12/07/00	Plymouth	Conditional approval, multi-residential development.	1/18/01
00-38	CSAH 101	12/00	Plymouth	Conditional approval, public street reconstruction.	1/18/01
00-39	Kevitt Excavating Wetland	1/03/01	Crystal	Informational review, no action.	1/18/01
xx-xx	General Mills/Bassett Creek Nature Preserve	12/00	Golden Valley	EAW reviewed and discussed by the Commission, no official action.	1/18/01

Plans Presented for Administrative Review and Comment

Appl. Form #	Project Name	Date Submitted	City	Type
98-21	Renaissance on the River	7/2/98	MPLS	Multiple Residential
98-53	Bassett Creek Trail	12/10/98	MPLS	Trail
99-6	Express Point Technology Center Parking Expansion	3/6/99	GV	Commercial
99-10	Golden Valley Pavement Management: St. Croix	4/8/99	GV	Public Street
99-11	Breck School Addition – Phase II	12/10/99	GV	Institutional
99-14	Xenia Avenue Extension/Turners Crossroad Reconstruction	5/3/99	GV	Public Street
99-17	SP 2735-160, Highway 100 Main Stem Crossing (Stage 2)	4/99	GV/CRY	Public Roads
99-18	SP 2735-134, Highway 100 Sweeney Branch Crossing (Stage 1)	4/99 2/00	GV	Public Roads
99-22	Boone Avenue Road	6/15/99	NH	Pond
99-24	Valley Square/Wesley Commons	6/21/99	GV	Multiple Residential
99-26	Greenwood Elementary School Addition	8/3/99	PLY	Institutional
99-31	Glass Service Company	8/31/99	PLY	Commercial
99-39	South Medicine Lake Trail	12/21/99	PLY/ML	Public Trail
00-1	West Lutheran High School	2/3/00	PLY	Institutional
00-2	10713 15 th Avenue North	1/31/00	ML	Residential
00-3	230 Peninsula Road	3/2/00	ML	Residential
00-4	Aljohn Tool Expansion	2/24/00	PLY	Industrial
00-5	1999 Plymouth Street Reconstruction – Deerwood Lane Area	2/7/00	PLY	Public Streets
00-6	Plymouth Partners Site	3/2/00	PLY	Commercial
00-7	Allianz / Life USA Corporate Campus	3/10/00	GV	Commercial
00-8	Satellite Industries Parking	3/28/00	PLY	Industrial
00-9A	Golden Valley 2000 Pavement – GV	4/3/00	GV	Public Street
00-9B	Golden Valley Pavement Management – SEH	4/3/00	GV	Public Street
00-10	RHS Resource Center	4/5/00	ROBBINSDALE	Public Building
00-11A	3440 Winpark Drive	4/6/00	NH	Commercial
00-11B	Plum Tree 4 th , 5 th , Future	4/18/00	PLY	Residential
00-12	1919 Kyle Place	5/2/00	GV	Residential
00-13	Plymouth Office Building, National Bank Card Services	5/3/00	PLY	Commercial
00-14	Pointe West Commons 1 & 2	5/4/00	SLP	Commercial/Multi-Residential
00-15	YMCA Drive – Apartment Building	5/4/00	MTKA	Commercial
00-16	Upsher Smith	4/25/00	PLY	Commercial
00-17	5915 St. Croix Avenue	5/30/00	GV	Residential
00-18	Wesley Commons (99-24 Valley Square)	6/6/00	GV	Commercial Multi-Residential
00-19	Breck School Ice Arena	6/20/00	GV	Institutional
00-20	Meadowbrook School (concept plan)	6/8/00	GV	Institutional
00-21	Community Bank of Plymouth	5/30/00	PLY	Commercial

Plans Presented for Administrative Review and Comment (continued)

Appl. Form #	Project Name	Date Submitted	City	Type
00-22	Golden Valley Town Square (at Wesley Commons)	6/9/00	GV	Commercial
00-23	Red Oak Properties	6/6/00	GV	Commercial
00-24	Plymouth Storage Center	7/13/00	PLY	Commercial
00-25	KFC/Pizza Hut	8/2/00	GV	Commercial
00-26	5905 Wofberry Lane/St. Croix Grove	8/3/00	GV	Residential
00-27	LeJeune Investments	8/4/0	GV	Commercial
00-28	Plymouth Town Center	8/7/00	PLY	Commercial
00-29	Peoney Promenade	8/4/00	PLY	Commercial
00-30	Nathan Lane Technology Center	8/9/00	PLY	Commercial
00-31 (99-25)	General Mills – JFB	9/1/00	GV	Commercial
00-32	Plymouth Plaza	9/24/00	PLY	Commercial
00-33	General Mills Parking Lot	10/6/00	GV	Commercial
00-34	2244 Regent Avenue	10/9/00	GV	Residential
00-35	Qwest Orchard Addition	9/27/00	GV	Commercial
00-36	Parkers Lake Shores	11/12/00	PLY	Residential
00-37	Shadow Hills Apartment	12/7/00	PLY	Multiple Residential
00-38	CSAH 101	12/00	PLY	Public Streets
00-39	Kevitt Excavating Wetland	1/3/01	CRY	Wetland

F. Water Quality Monitoring Data and Studies

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

- **Detailed Monitoring of Parkers Lake in Plymouth, Northwood Lake in New Hope, Sweeney Lake and Twin Lake in Golden Valley**—Monitoring was performed at each lake on six occasions for selected parameters. Selected parameters include total phosphorus, soluble reactive phosphorus, total nitrogen, pH, chlorophyll a, phytoplankton, and zooplankton. An aquatic survey was performed on two occasions. A copy of the executive summary is appended
- **Medicine Lake Watershed and Lake Management Plan**—Medicine Lake is defined as a Level I (recreation, all activities) water body in the draft Water Quality Management Plan. The Medicine Lake watershed is rapidly developing. The recommended management plan for Medicine Lake consist of (1) adopting runoff and treatment requirements for stormwater discharging to Plymouth Creek and Medicine Lake consistent with Level I standards (completed 1994); (2) performance of a detailed diagnostic-feasibility study to evaluate nutrient sources, and to evaluate the effect of various best management practices (BMPs) on water quality; and (3) identify specific locations and opportunities for water quality improvements and prepare cost estimates for implementing the improvements. The Commission is working with the MPCA and Hennepin Parks to perform the study. A copy of the executive summary is appended.
- **Mississippi River to Medicine Lake (Main Stem) Watershed Management Plan**—The Main Stem is defined as a Level III water body in the draft Water Quality Plan. The recommended management plan for Bassett Creek Main Stem consist of (1) adopting runoff and treatment requirements for stormwater discharging to Bassett Creek consistent with standards (completed 1994); (2) performance of a detailed diagnostic-feasibility study to evaluate nutrient sources, and to evaluate the effect of various best management practices (BMPs) on water quality; and (3) identify specific locations and opportunities for water quality improvements and prepare cost estimates for implementing the improvements. A copy of the executive summary is appended.
- **Twin Lake Watershed Management Plan**—Twin Lake is defined as a Level I water body in the draft Water Quality Plan. The recommended management plan for Twin Lake consist

of: (1) adopting runoff and treatment requirements for stormwater discharging to Twin Lake consistent with standards (completed 1994); (2) performance of a detailed diagnostic-feasibility study to evaluate nutrient sources, and to evaluate the effect of various best management practices (BMPs) on water quality; and (3) identify specific locations and opportunities for water quality improvements and prepare cost estimates for implementing the improvements. A copy of the executive summary is appended.

- **Bassett Creek Park Pond Watershed Management**—Bassett Creek Park Pond is defined as a Level III water body in the draft Water Quality Plan. The recommended management plan for Bassett Creek Park Pond consist of: (a) adopting runoff and treatment requirements for stormwater discharging to Bassett Creek Park Pond consistent with standards (completed 1994); (b) performance of a detailed diagnostic-feasibility study to evaluate nutrient sources, and to evaluate the effect of various best management practices (BMPs) on water quality; and (c) identify specific locations and opportunities for water quality improvements and prepare cost estimates for implementing the improvements. A copy of the executive summary is appended.
- **Biotic Index Evaluation of Bassett Creek and Plymouth Creek: 2000**—An assessment of the benthic invertebrates found in a stream provides a long-term assessment of its water quality. During 1980, 1983, 1991, and 1995, 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 2000, the same six stations monitored in previous surveys will be monitored. Hilsenhoff's Biotic Index will be used to evaluate existing water quality and to assess changes.
- **Water Quality Capital Improvement Plan**—A draft capital improvements plan for water quality improvement throughout Bassett Creek watershed was summarized and revised. A copy of the draft capital improvement plan is appended.

G. Local Plan Adoption

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

Municipality	Local Plan Status	Comments
Crystal	Preliminary planning started	Final planning will be performed after completion of the BCWMC 2nd Generation Plan.
Golden Valley	Completed	Local plan approved by the Commission in August 1999. Resolution 99-6.
Medicine Lake	Not started	Plan will not be prepared. Medicine Lake will adopt Plymouth local plan after completion.
Minneapolis	Preliminary planning started	Final planning will be performed after completion of the BCWMC and Shingle Creek WMO 2nd Generation Plan.
Minnetonka	Completed	Local plan was approved by the Commission in October 1997. Resolution 97-8.
New Hope	Completed	Local plan was approved by the Commission in August 1996; reconfirmed in April 1997. Resolution 97-4.
Plymouth	Completed	Local plan conditionally approved by the Commission in February 1999. Resolution 99-3.
Robbinsdale	Completed	Local plan was approved by the Commission in October 1996; reconfirmed in April 1997. Resolution 97-5.
St. Louis Park	Completed	Local plan was approved by the Commission in March 2000; Resolution 00-2.

H. Watershed Communication/Public Education

In accordance with Minnesota Rules, Chapter 8410, Subpart 4, the Commission 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 Commission (updated November 1998) is provided to developers and interested citizens.
- **Website**—The Commission updated its website. The address for Bassett Creek website is "<http://www.bassettcreekwmo.org>".
- **Commission Meeting Packet**—Distributed monthly meeting agenda, meeting minutes, and Commission packet including various correspondence and items of interest to approximately 40 interested parties over the last 12 months.
- **March 9, 2000 Press Release: Notice of Watershed Planning** —Sent to member cities newsletters, area Sun, Sailor and Sun Post newspapers announcing the initiation of the Commission's Second Generation planning process (copy appended).
- **April 4, 2000 Medicine Lake Presentation**—Commission staff attended the April 4, 2000 Plymouth City Council meeting and presented the proposed Medicine Lake improvement project.
- **September 8, 2000 Press Release: Public Notice of Open Forum**—Sent to member cities newsletters, area Sun, Sailor and Sun Post newspapers announcing the public forum at city of Golden Valley on November 1, 2000 to introduce its planning efforts for its Second Generation Plan. (copy appended).
- **November 1, 2000 Open Forum**—The Commission held a public forum and open house at city of Golden Valley on November 1, 2000 to introduce its planning efforts for its Second Generation Plan. Five stations including, general information; flood control projects, water quality improvement projects, lake and stream water quality status and second generation planning process were set up.

- **River Watch Program**—The Commission participated with the Hennepin Conservation District in this program. The program is a macroinvertebrate monitoring program performed by high school and college students.
- **Citizen Assisted Lake Monitoring Program (CAMP)** —The Commission participated with the Metropolitan Council 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, South Rice Lake in Golden Valley.
- **Watershed Outlet Monitoring Program (WOMP)**—The Commission participated with the Metropolitan Council in this program to monitor water quality and stream flow in Bassett Creek
- **Soil Phosphorus Education Program**—Commission investigate implementation of a soil phosphorus educational program for the Medicine Lake watershed.
- **Cable Television**—Commissioner Quanbeck and Engineer Kremer were interviewed regarding Second Generation Plan and Medicine Lake. The program was televised on cable channel 12 in March 2000.

I. Professional Services Proposal

In accordance with Minnesota Statutes, Section 103B.227, Subdivision 5, the Commission solicited proposals for legal and engineering technical consulting services. The Commission formed two committees, one for legal and one for engineering, to review the proposals. During its September 21, 2000 meeting, the Commission elected to retain the firm Barr Engineering Company for engineering technical services and Kennedy & Graven for legal services.

J. Assessment of Changes in Fund Balance

A discussion of the fund balance is included in the Audit Report and the Treasurers Report.

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 administrating 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	Local Government Unit (LGU)	
	Interim Program Through 12/31/93	Permanent Program Effective 1/1/94
Crystal	BCWMC	Crystal
Golden Valley	BCWMC	Golden Valley
Medicine Lake	BCWMC	BCWMC
Minneapolis	BCWMC	Minneapolis
Mnettonka	Mnettonka	Mnettonka
New Hope	BCWMC	New Hope
Plymouth	Plymouth	Plymouth
Robbinsdale	BCWMC	BCWMC
St. Louis Park	BCWMC	BCWMC

BCWMC = Bassett Creek Water Management Commission

Wetland Mitigation Policy—The Commission'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—Currently, the Commission has not adopted a wetland-banking program.

II. Annual Financial Report

The 2000 fiscal year for the Bassett Creek Water Management Commission commenced on February 1, 2000 and ended January 31, 2001.

A. Approved Budget

The approved budget for fiscal year 2000 was \$464,500. 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 2000 budget proposal prepared by the Commission's treasurer is appended.

B. Report of Revenues

See audit report.

C. Report of Expenditures

See audit report.

D. Financial Audit Report

The annual audit report for the year ending January 31, 2001, was performed by Malloy Montague Karnowski Radosevich & Co., P.A. A copy of the report is appended.

Introduction

I. Annual Activity Report

II. Annual Financial Report

Appendix A: Lake Levels

Appendix B: Watershed Management Plans

Water Quality Monitoring Data

Appendix C: Watershed Communication

Appendix D: Financial Information

Appendix E: Resolutions

Appendix F: Capital Improvement Plan

Appendix G: Continuous Commission Roster