



Bassett Creek Watershed Management Commission

A g e n d a

11:30 a.m., Thursday, February 16, 2012

Golden Valley City Hall Council Chambers – 7800 Golden Valley Road, Golden Valley 55427

1. CALL TO ORDER
2. ORGANIZATIONAL MEETING: Appoint BCWMC Chair, Vice Chair, Treasurer, Secretary, & Committees
3. APPROVAL OF AGENDA AND CONSENT AGENDA - Items marked with an asterisk (*) will be acted on by one motion. There will be no discussion of the Consent Agenda items unless a commissioner requests.
4. CITIZEN INPUT ON NON-AGENDA ITEMS
5. ADMINISTRATION
 - A. Presentation of January 19th meeting minutes *
 - B. Presentation of Financial Statements *
 - C. Presentation of Invoices for Payment Approval
 - i. Kennedy & Graven – Legal Services through November 30, 2011
 - ii. Barr Engineering – Engineering Services through December 30, 2011
 - iii. Amy Herbert – January Secretarial Services
 - iv. D'amico-ACE Catering – February 2012 Meeting Catering
 - D. Discuss Participation in Met Council's 2012 CAMP Program (*see 1/25/11 e-mail from Met Council*)
 - E. Review the BCWMC's Closed Account Policy (*see policy*)
 - F. Discuss Preparation of Annual Report of 2011 Activities (*verbal*)
 - G. Review 2012 Budget (*see copy of BCWMC's 2012 Budget and see 2/8/12 Barr Engineering memo*)
 - H. Administrative Services Committee Update on Administrator Discussion (*verbal*)
6. NEW BUSINESS
 - A. Presentation by Keith Pilgrim, Barr Engineering, on Feasibility Study on the Schaper Pond Improvement Project
 - B. Presentation by Keith Pilgrim on Twin Lake Management Options (*see 2011 historical information*)
 - C. Golden Valley 2012 Pavement Management Plan (*see Barr Engineering memo*)
7. OLD BUSINESS
 - A. Discuss BCWMC Procedure of Review of Final Plans and Specs of CIP Projects (*verbal*)
 - B. Resolution 12-05 Approving the Cooperative Agreement for the Main Stem Restoration Project (Irving Avenue to Golden Valley Road) (*see Cooperative Agreement and Resolution 12-05*)
 - C. Update on and Cooperative Agreement for Feasibility Study for the Pond Dredging Project in the Northwood Lake Watershed (on the BCWMC's CIP for 2013) (*see Cooperative Agreement*)
 - ~~D. Bassett Creek Restoration Project: Wisconsin Ave. to Crystal Border (2011 CR) Item Withdrawn~~
 - E. Review Draft Work Plan for 2012 Grants (*verbal*)
 - F. AMLAC Request to Create a Document Regarding the Medicine Lake Dam and Lake Level (*verbal*)
 - G. Next Generation Watershed Management Plan (*see Barr Engineering memo*)
 - i. Review Identified Issues and Identify Additional Issues
 - ii. Discuss Next Steps in the Process
 - H. Status of TAC Discussions Relating to Project Review Triggers, Changes to Policies Allowing Nutrient Loading Increases, and Water Quality Banking/ Trading Program (*see Barr Engineering memo*)
 - I. Resolution 12-06 Approving the Reimbursement to the BCWMC 2.5% of the 2011 Tax Levy Request to Hennepin County (*see Resolution 12-06*)
 - J. Update on Watershed-wide Modeling Work (*verbal*)
8. COMMUNICATIONS
 - A. Chair
 - B. Commissioners
 - C. Committees
 - D. Counsel *
 - E. Engineer
9. ADJOURNMENT

Bassett Creek Watershed Management Commission Minutes of the Meeting of January 19, 2012

1. CALL TO ORDER

The Bassett Creek Watershed Management Commission (BCWMC) was called to order at 11:34 a.m., on Thursday, January 19, 2012, at Golden Valley City Hall by Chair Loomis. Ms. Herbert called roll.

ROLL CALL		Counsel	Charlie LeFevere
Crystal	Commissioner Pauline Langsdorf	Engineer	Karen Chandler
Golden Valley	Commissioner Linda Loomis, Chair	Recorder	Amy Herbert
Medicine Lake	Commissioner Ted Hoshal		
Minneapolis	Alternate Commissioner Lisa Goddard		
Minnetonka	Commissioner Jacob Millner		
New Hope	Commissioner John Elder		
Plymouth	Alternate Commissioner Judy Johnson		
Robbinsdale	<i>Not represented</i>		
St. Louis Park	Commissioner Jim de Lambert, Secretary		

Note:

Minneapolis Commissioner Michael Welch arrived after roll call

Also present:

Derek Asche, BCWMC Technical Advisory Committee, City of Plymouth
 Pat Byrne, BCWMC Technical Advisory Committee, City of Minneapolis
 Jeannine Clancy, BCWMC Technical Advisory Committee, Golden Valley
 Christopher Gise, Golden Valley Resident
 Jere Gwin-Lenth, Friends of Northwood Lake
 Mary Gwin-Lenth, Friends of Northwood Lake
 Dave Hanson, Alternate Commissioner, City of Golden Valley
 Chris Long, BCWMC Technical Advisory Committee, City of New Hope
 Tom Mathisen, BCWMC Technical Advisory Committee, City of Crystal
 Richard McCoy, BCWMC Technical Advisory Committee, City of Robbinsdale
 Jeff Oliver, BCWMC Technical Advisory Committee, City of Golden Valley
 Brad Schleeter, BCWMC Technical Advisory Committee, City of New Hope
 Liz Stout, BCWMC Technical Advisory Committee, City of Minnetonka
 Liz Thornton, BCWMC Education Committee; Plymouth Resident

2. APPROVAL OF AGENDA AND CONSENT AGENDA

Commissioner Langsdorf moved to approve the Agenda and the Consent Agenda. Commissioner Hoshal seconded the motion. Ms. Chandler commented that an agenda item could be added in order for the Commission to discuss the request by Hennepin County that the Commission send a technical representative to an upcoming Southwest Light Rail Transit meeting. Chair Loomis requested that the item be added to the agenda. Commissioners Langsdorf and Hoshal approved the friendly amendment. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

3. CITIZEN INPUT ON NON-AGENDA ITEMS

No citizen input on non-agenda items

4. ADMINISTRATION

4A. Presentation of November 16, 2011, Meeting Minutes. The meeting minutes were approved as part of the Consent Agenda.

4B. Presentation of Financial Statements. The BCWMC's January 2012 financial report was approved as part of the Consent Agenda.

The general and construction account balances reported in the January 2012 Financial Report are as follows:

Checking Account Balance	\$460,633.05
TOTAL GENERAL FUND BALANCE	\$460,633.05
TOTAL CONSTRUCTION CASH & INVESTMENTS	\$2,457,641.12
Revenue	\$12,396.94
Current Expenses	(\$5,483.15)
TOTAL ON-HAND CONSTRUCTION CASH & INVESTMENTS	\$2,464,554.91
CIP Projects Levied – Budget Remaining	(\$2,294,090.58)
Closed Projects Remaining Balance	\$170,464.33
Anticipated Closed Project Balance	\$183,555.49

4C. Presentation of Invoices for Payment Approval.

- i. Kennedy & Graven – Legal Services through November 30, 2011 – invoice for the amount of \$1,251.05.

- ii. Barr Engineering Company – Engineering Services through December 30, 2011 – invoice for the amount of \$23,134.22.
- iii. Amy Herbert – December Secretarial Services – invoice for the amount of \$1,377.48.
- iv. D'amico - ACE Catering – January BCWMC meeting catering – invoice for the amount of \$300.42.
- v. D'amico – ACE Catering – Cake for January BCWMC meeting – invoice for the amount of \$37.55.
- vi. Metropolitan Council Environmental Services – 2011 CAMP Participation – invoice for the amount of \$4,550.
- vii. Hennepin County Environmental Services – 2011 River Watch Participation – invoice for the amount of \$2,000.
- viii. Minneapolis Park and Recreation Board – BCWMC Participation in WOMP Costs – invoice for the amount of \$4,249.77.
- ix. Rice Creek Watershed District – 2011 Blue Thumb Membership – invoice for the amount of \$1,500.
- x. CNA Surety - Annual Bond/ Policy – invoice for the amount of \$100.
- xi. Shingle Creek Watershed – 2011 Metro Blooms Rain Garden Workshops – invoice for the amount of \$2,000.

Commissioner Langsdorf moved to approve payment of all of the invoices. Commissioner Elder seconded the motion. By call of roll the motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

4D. Determine Location to Store the BCWMC Education Display. Commissioner Elder stated that the City of New Hope is offering to store the education display and can work out the details with the Education Committee.

4E. Review Engagement Letter from MMKR for Audit of Fiscal Year 2011. Acting Commissioner Goddard moved to contract with MMKR for the audit for the BCWMC's fiscal year 2011. Commissioner Elder seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

4F. Update on 2010, 2011, and 2012 Grants. Ms. Chandler reported that the Commission has applied for an extension from the Minnesota Board of Water and Soil Resources (BWSR) for the \$360,000 grant that the Commission was awarded for the 2010 Plymouth Creek and Bassett Creek restoration projects. She said the extension will provide time for the Commission and BWSR to sort through the details about the grant match and other information required by BWSR for its grant reporting purposes.

Ms. Chandler said that the Commission needs to deliver by February 1 the annual report on the 2011 grant for the as-of-yet unconstructed Wirth Lake Outlet Structure. She said the Commission Engineer is working to meet that deadline.

Ms. Chandler said the grant that the Commission has been awarded for its 2012 Main Stem restoration project will have a different process of fund disbursements compared to the earlier grants. She said that the Commission's work plan on this grant needs to be finalized by the end of March. She commented that BWSR recommended that a draft be forwarded to its staff by mid-February. Ms. Chandler said that the agreements need to be signed by the end of April.

4G. Resolution 12-01 Approving the Transfer of 2011 Funds from the BCWMC Administrative Account to the Long-Term Maintenance and Channel Erosion Accounts. Commissioner Elder moved to approve Resolution 12-01. Commissioner de Lambert seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

4H. Resolution 12-02 Designating Depositories for BCWMC Funds. Commissioner de Lambert moved to approve Resolution 12-02 designating RBC Dain Rauscher, Wells Fargo, and 4M Fund as the BCWMC's depositories for funds. Commissioner Hoshal seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

4I. Discuss Reimbursing the BCWMC a Percentage of the Annual Tax Levy for Administrative Expenses Charged to CIP Projects and to Transfer Funds into the Administrative Account. Commissioner Goddard moved to direct staff to prepare a resolution for review at the February meeting that would direct the Commission to transfer 2.5% of its 2011 tax levy request to Hennepin County from the BCWMC CIP account to its administrative account. Commissioner Elder seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

4J. Approve Adding to the February BCWMC Agenda a Review of the 2012 Engineering Budget. Chair Loomis said that she had asked the Recording Administrator to prepare a draft February agenda for today's meeting, which has been handed out. She noted that a review of the BCWMC's 2012 budget is on this draft agenda. She asked if the Commission would like to add or remove any items to its draft February meeting agenda.

Commissioner Hoshal asked if the Commission would be interested in having a presentation by Eric Evenson, the Administrator for the Minnehaha Creek Watershed District, on aquatic invasive species (AIS). He noted that there is a meeting on February 8 at 7:00 p.m. at Plymouth City Hall coordinated by the Association of Medicine Lake Area Citizens (AMLAC) to discuss AIS and funding AIS work and Eric Evenson will be presenting at the meeting. Commissioner Hoshal said that if the commissioners are planning to attend the February 8th AMLAC meeting then perhaps the Commission wouldn't need Eric Evenson to also conduct the presentation at a BCWMC meeting. Acting Commissioner Johnson asked if it would be possible for the City of Plymouth to tape the presentation to make it available for the Commission and asked Mr. Asche to check into it. Chair Loomis said that if the taping isn't possible then the Commission could ask Mr. Evenson to come do the AIS presentation at the March Commission meeting. The Commission indicated consent to the suggestions by Acting Commissioner Johnson and Chair Loomis and to the draft February meeting agenda.

4K. Resolutions 12-03 and 12-04 – Resolutions of Appreciation for Outgoing Commissioners. BCWMC Technical Advisory Committee member Tom Mathisen presented words of recognition and appreciation for the services of out-going BCWMC Commissioner Pauline Langsdorf, City of Crystal. Commissioner de Lambert moved the approval of Resolution 12-03, a Resolution of Appreciation for the Services of Pauline Langsdorf. Commissioner Elder seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

Dave Hanson, Alternate Commissioner from Golden Valley, presented words of recognition and appreciation for outgoing Commissioner Linda Loomis. Acting Commissioner Judy Johnson moved to approve Resolution 12-04, a Resolution of Appreciation for the services of Linda Loomis. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

5. NEW BUSINESS

A. Requests by the Association of Medicine Lake Area Citizens (AMLAC)

- i. **BCWMC to Create a Document about the Medicine Lake Dam and Lake Level.** Chair Loomis reported that the Commission received a request from the Association of Medicine Lake Area Citizens to create a document about the Medicine Lake Dam and lake level. Ms. Chandler said that a document had previously been prepared by the Commission Engineer on this topic and Len Kremer had delivered a presentation about it. Ms. Chandler wondered if AMLAC was just interested in having all of that historic information combined into one document or if AMLAC is interested in something else. She commented that if the request is to create a document using the existing information and addressing just a few new questions then the Commission Engineer estimates that the work could be done for \$5,000. Commissioner Hoshal said he thought that AMLAC wanted the information in one document so that AMLAC could deliver the information to its residents in response to their questions.

Commissioner Elder asked if there was a way that AMLAC would cost share for the work. Ms. Clancy remarked that the City of Golden Valley's understanding has been that when the Commission Engineer is asked for work products that are for a specific city or a specific city's organization then that city is solely responsible for the costs of that work. Acting Commissioner Johnson asked if the Commission had a budget for the item. The Commission noted that it didn't have this type of work budgeted.

Acting Commissioner Goddard suggested that the Commission put the issue back to AMLAC and ask if it is interested in having this work be done at AMLAC's expense and if so, then to provide more specifics on what information it wants; otherwise the Cities of Plymouth and Medicine Lake could possibly provide the information.

Mr. Asche commented that AMLAC's request reads like a scope of services for a feasibility document. He said perhaps AMLAC would want to touch base with Minnehaha Creek Watershed District to find out what was involved with the Gray's Bay dam. Acting Commissioner Johnson recommended no action on this item and suggested that she or Commissioner Hoshal communicate with them that there were questions about what AMLAC was requesting and then perhaps the cities can work with AMLAC to provide the information that is already available.

Chair Loomis asked if the Commission wanted to take no action or wanted to table the agenda item until the February BCWMC meeting. The Commission concurred that it would table the item until the February meeting.

- ii. **BCWMC Participation in a 7 p.m. February 8th meeting on Aquatic Invasive Species.** See discussion under agenda item 4J.

B. TAC Recommendations

- i. **Review of Channel Maintenance Fund Applications for 2012 Projects.** Mr. Asche noted that the TAC reviewed a request from the City of Golden Valley for \$100,000 in Channel Maintenance funds for a 2012 stream bank restoration on the Bassett Creek Main Stem Reach 1, subreach 2. He said that Golden Valley has just over \$144,000 available to it in BCWMC Channel Maintenance funds. Mr. Asche reported that the TAC recommends that the

Commission approve the City of Golden Valley's request for Channel Maintenance funds in the amount of \$100,000. Commissioner Langsdorf moved to approve the proposal by the City of Golden Valley for the use of \$100,000 from the BCWMC Channel Maintenance Fund for its 2012 Main Stem restoration project. Commissioner de Lambert seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

- ii. **Next Generation Plan Issue Identification.** Mr. Asche said that the TAC discussed the responses to the four questionnaires about issue identification. He said that the TAC recommends that the next step would be for all of the issue identification feedback to be assembled and brought to the Commission for its review, feedback, and addition of other issues at the February Commission meeting. Mr. Asche said that the TAC also recommends that the Commission discuss the Next Generation Plan planning process and communicate on how the process will happen. Chair Loomis said that the Next Generation Plan issues will be on the February meeting and as part of that discussion the Commission can decide how it wants to proceed with the process and if it wants to call for a work session apart from a regular Commission meeting to work on the Plan.
- iii. **Preparation of Feasibility Study for the 2013 CIP Project NL-2 (Wetland dredging adjacent to the Four Seasons Mall site).** Mr. Asche said that this project is in the Commission's CIP as a water quality improvement project for Northwood Lake. He said that the *Watershed Management Plan* identifies the project as a pond dredging project that has the potential to reduce 73 pounds of phosphorous annually from draining into Northwood Lake as well as 14% of the total loading going into Northwood Lake. Mr. Asche described the complexities of the project due to the unknowns of the adjacent project, which is the redevelopment of the Four Seasons Mall site.

Mr. Asche summarized that the idea for the feasibility of this project is to broaden the scope of it and include other things besides the pond dredging that would contribute to the water quality improvement goal of an annual 73 pound reduction in phosphorus and 14% total loading draining into Northwood Lake. He noted some of the potential projects that could achieve the reductions and said that this feasibility report would focus on the various combinations of projects that could be undertaken to meet the goals.

Mr. Asche noted that the TAC discussed at some length the benefit to having the information from the P8 and XP-SWMM models that the Commission approved in its 2012 budget but hasn't yet moved ahead to order the work. He said that the TAC recommends that the Commission direct Barr Engineering to update both of those models and to start the updates with the Northwood Lake watershed. Mr. Asche said that he could prepare the scope of services for the feasibility study. He said that the TAC recommends that the Commission move forward with directing the feasibility study be prepared.

Ms. Chandler noted that the first part of the study could be a presentation of the different options but the report needs to end with a recommendation otherwise the Commission would not have what it needs to order the project. Ms. Chandler stated that the Commission Engineer believes that this project would require a minor plan amendment and also that the Commission would need a do-not-exceed number for its tax levy by the Commission's June meeting.

The Commission discussed the potential cost of the feasibility study. Mr. Asche said that he believes it would cost at least \$50,000.

Ms. Gwin-Lenth asked what role New Hope will play in the scope of services. Mr. Asche said the City of Plymouth has met with the City of New Hope staff preliminarily on this project and the City will be involved in this project, which will be part of the scope of services.

Acting Commissioner Johnson moved for Barr Engineering Company to proceed with doing the hydrologic and hydraulic modeling and the XP-SWMM modeling beginning with the Northwood Lake subwatershed and also moved that the City of Plymouth prepare the scope of services for the feasibility report and distribute the scope of services to the BCWMC's engineering pool. Commissioner Langsdorf seconded the motion.

There was discussion about whether the Commission or the City of Plymouth would be the client for the feasibility study. Acting Commissioner Goddard brought up the issue of the project's time frame in relation to the Commission selecting who would be the client for the feasibility study.

The Commission agreed that the quickest process would be for the City of Plymouth to handle the feasibility study.

The Commission discussed the need for a resolution to be prepared for the Commission for its February meeting that would approve an agreement between the City of Plymouth and the Commission regarding the preparation of the feasibility report and the reimbursement for the costs of preparing the report. Chair Loomis directed legal counsel to prepare a draft of the necessary documents for the February meeting regarding the arrangement between the City of Plymouth and the BCWMC for the preparation of the feasibility report.

Chair Loomis made the friendly amendment to the motion to include that the Commission is ordering the feasibility study for the CIP project NL-2, the City of Plymouth would be responsible for the feasibility study, and the BCWMC's legal counsel would prepare the agreement between the City of Plymouth and the BCWMC regarding the feasibility study.

The friendly amendment was approved by Acting Commissioner Johnson and Commissioner Langsdorf. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

- C. Request from City of Plymouth for the BCWMC to Prepare a Feasibility Study for the Pond Dredging Project in the Northwood Lake Watershed (on the BCWMC's CIP for 2013). See discussion in 4Biii.
- D. Request for Authorization to Proceed with 2012 Watershed-wide Water Quality (P8) Modeling Study. See discussion in 4Biii.
- E. Request for Authorization to Proceed with 2012 Watershed-wide Hydrologic and Hydraulic (XP-SWMM) Modeling Study. See discussion in 4Biii.
- F. Draft BCWMC Letter to Mississippi Watershed Management Organization on Draft Amendment to MWMO 2011-2012 Plan. Ms. Chandler said that the amendment includes a project for the old Bassett Creek Tunnel. She said the Commission Engineer prepared draft comments to send to the MWMO to remind it of the joint and cooperative agreement between the MWMO and the BCWMC and to request that a reference to the agreement be included in the MWMO's Plan amendment. Chair Loomis noted that she has authorized the Commission Engineer to review the plan amendment and to draft the comments. Commissioner de Lambert moved to approve

sending the comments to the MWMO. Acting Commissioner Goddard seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

- G. **Bottineau Transitway Scoping Booklet Draft Environmental Impact Statement.** Ms. Chandler said there is a deadline for commenting on the scoping booklet. She said that the Commission Engineer would like to take the opportunity during the comment period to reiterate the information the BCWMC had previously conveyed in meetings on the project such as policies on fill in the wetlands and creek and the Commission's project requirements. Ms. Chandler said that the comment letter needs to be sent by February 17, 2012. Chair Loomis added that public meetings on the scoping document are being held including the first at the Wirth Chalet on January 23rd from 4:30 p.m. to 6:30 p.m. Ms. Chandler stated that the second meeting will be on January 24th from 6:00 p.m. to 8:00 p.m. in the Brooklyn Park City Hall, the third will be on January 25th from 5:30 p.m. to 7:30 p.m. in the Urban Research and Outreach Engagement Center in north Minneapolis, and the fourth will be on January 31st from 6:00 p.m. to 8:00 p.m. at the Robbinsdale City Hall. Acting Commissioner Goddard moved to approve directing the Commission Engineer to submit a letter of comments about the Bottineau Transitway Scoping Booklet. Commissioner Elder seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].
- H. **Southwest Light Rail Meeting Request.** Chair Loomis said that the BCWMC received a request from Hennepin County that BCWMC technical staff attend a January 25th or 26th meeting with Hennepin County staff and watershed districts and organizations regarding storm water management planning for the Southwest Light Rail Transit. Commissioner de Lambert moved to approve the Commission Engineer attending the meeting. Commissioner Elder seconded the motion. The motion carried unanimously with eight votes in favor [City of Robbinsdale absent from vote].

6. OLD BUSINESS

- A. **Resolution 12-05 Approving the Cooperative Agreement for the Main Stem Restoration Project (Irving Avenue to Golden Valley Road).** The Commission discussed the status of this agreement. Mr. LeFevere said that he had received yesterday a message from Commissioner Welch with some requested changes to the agreement. Mr. LeFevere said he thinks the Commission can work through those requested changes. He said Commissioner Welch feels that approval of the final plans and specifications and any changes in the final plans and specifications should come to the Commission instead of being delegated to the Commission Engineer. Mr. LeFevere said the Commission would need to discuss how it wants to handle the process.

Mr. LeFevere said that if Minneapolis agrees with Commissioner Welch's requested changes, then Mr. LeFevere could bring alternate language to the next meeting and the Commission could decide at that time. Chair Loomis asked if anyone had thoughts on this now or if the Commission wants Counsel to draft the alternate language and the discussion would be part of the February meeting. The Commission agreed to direct Mr. LeFevere to draft the alternate language for review at the next BCWMC meeting.

- B. **Update on Policy Manual Revisions.** Mr. LeFevere noted that he and Ms. Chandler had worked on revisions as previously directed by the Commission and the revisions are in the meeting packet for the Commission review. Chair Loomis asked if the Commission wanted to go through the proposed changes now or send the proposed changes to the administrative services committee. Mr. LeFevere said it would be a good idea to receive the Commission's thoughts on reorganization of the funds section of the document. He suggested that he and Ms. Chandler put together a short memo for the

Administrative Services Committee. Chair Loomis said that the Committee has a meeting scheduled for January 27th.

7. COMMUNICATIONS

[Commissioner Welch arrives]

Chair:

1. Chair Loomis stated that the next scheduled TAC meeting is in April for the CIP review. She asked if the Commission or TAC thought that a meeting would need to be scheduled prior to April. The Commission discussed the TAC's next step in the Next Generation Planning process and indicated that the Commission should move forward with developing a process in order to give the TAC guidance before turning the item back over to the TAC.

Commissioner Welch brought up his recommendation for the policy change that he made nine months ago regarding the Commission's water quality treatment standards and the triggers for project review and a possible water quality trading or banking program. He said he proposed a framework and he would like it to come to a conclusion. Ms. Clancy said that the TAC did begin that discussion and the former Administrator did create a matrix of the member-cities' ordinances but that the topic has not been picked up again. Ms. Chandler said it would take a little time. Chair Loomis directed a TAC meeting to be tentatively scheduled for March and at the February BCWMC meeting the Commission Engineer can present the status of the information on the topic and then the Commission can decide if the next TAC meeting should be in March or in April.

2. Chair Loomis said that the feasibility report on the Schaper Park Pond will be presented at the February meeting by Keith Pilgrim of Barr Engineering. She asked if the Commission would like Mr. Pilgrim to present on the Twin Lake Management options at the same meeting. The Commission indicated that it would like to hear presentation on the Twin Lake Management options as well.

Commissioners:

1. Commissioner Hoshal reported that he and John O'Toole have been reappointed by the City of Medicine Lake as the Commissioner and Alternate Commissioner, respectively, to the BCWMC.
2. Commissioner Hoshal said that TAC member Ferdousi Gramling asked that her thanks be communicated to the TAC for the card.
3. Commissioner Welch expressed his appreciation for the services of Commissioner Langsdorf and Loomis to the Commission during their years of service.
4. Commissioner Hoshal said that available online are the results of the 2010 CAMP monitoring program.

[Acting Commissioner Goddard departs meeting and Commissioner Welch takes over representing the City of Minneapolis.]

Committees:

Education Committee

1. Commissioner Langsdorf noted that the Commission has agreed to be at the Environmental Fair in the end of March. She said she hopes that Commission members will assist Liz Thornton at the event. She noted that the Commission also has agreed to be at the Plymouth Yard and Garden Expo on April 13th and 14th. Ms. Langsdorf noted that the Commission has \$2,000 budgeted for 2012 participation in the Metro Blooms rain garden workshops. She said that the West Metro Water Alliance (WMWA) will be discussing the 2012 plans for the program at the next WMWA meeting in the end of January. Commissioner Hoshal asked Commissioner Langsdorf if she would attend one more Education and Public Outreach Committee meeting to work out the details she has brought up. Commissioner Langsdorf said yes.

Counsel Communications:

1. Mr. LeFevere said that he has just received a communication from Lois Eberhart of Minneapolis who said she has been out of town due to a death in the family but she is back at work and will move forward with reviewing the cooperative agreement for the Main Stem Restoration project.

Engineer Communications: No Engineer Communications.

9. ADJOURNMENT

The meeting adjourned at 2:04 p.m.

Chair

Date

Amy Herbert, Recorder

Date

Secretary

Date

Bassett Creek Watershed Management Commission 2012 Administrative Calendar

January 2012	February 2012	March 2012	April 2012
MEETING – JANUARY 19 <ul style="list-style-type: none"> January 5 – TAC meeting, 1:30 p.m. January 31 - End of Fiscal Year Direct auditor to prepare audit report Terms end for Crystal, Golden Valley, and Medicine Lake Resolution to appoint official depositories; Discuss CIP projects' admin expenses reimbursement 	MEETING – FEBRUARY 16 <ul style="list-style-type: none"> February 14 – Admin Cmtee meeting; 8:00 a.m. BCWMC Organizational meeting – elect officers; Discuss BCWMC mission and goals; Discuss 2011 Commission – TAC liaisons Assessment payments from member-cities due February 1 	MEETING – MARCH 15 <ul style="list-style-type: none"> March 7 –TENTATIVE-TAC mtg, 1:30 p.m. 	MEETING – APRIL 19 <ul style="list-style-type: none"> April 5 – TAC mtg, CIP Review 1:30 p.m. Audit Report to State Auditor
May 2012	June 2012	July 2012	August 2012
MEETING – MAY 17 <ul style="list-style-type: none"> Receive/ file Audit; Review Draft 2012 Budget; Final Annual Report presented for approval and submitted to BWSR and member cities 	MEETING – JUNE 21 <ul style="list-style-type: none"> Budget must be approved by Commission by July 1 to meet 30-day city review; Budget sent to member cities by July 1 for 30-day review 	MEETING – JULY 19 <ul style="list-style-type: none"> LMCIT annual invoice; Receive first half of ad valorem tax (early July); 	MEETING – AUGUST 16
September 2012	October 2012	November 2012	December 2012
MEETING–SEPTEMBER 20 <ul style="list-style-type: none"> Submit maximum levy ad valorem tax request to Hennepin County 	MEETING – OCTOBER 18 <ul style="list-style-type: none"> Prepare letters re: deadline to receive applications for the Channel Maintenance Fund during next year's construction season 	MEETING– WEDNESDAY, NOVEMBER 15	MEETING – DECEMBER 20 <ul style="list-style-type: none"> Prepare resolution to transfer 2011 funds from admin acct. to TMDL, Long-term maint., and channel erosion accounts.

Bassett Creek Watershed Management Commission 2012 Administrative Calendar

January 2012	February 2012	March 2012	April 2012
MEETING – JANUARY 19 <ul style="list-style-type: none"> January 5 – TAC meeting, 1:30 p.m. January 31 - End of Fiscal Year Direct auditor to prepare audit report Terms end for Crystal, Golden Valley, and Medicine Lake Resolution to appoint official depositories; Discuss CIP projects' admin expenses reimbursement 	MEETING – FEBRUARY 16 <ul style="list-style-type: none"> February 14 – Admin Cmtee meeting, 8:00 a.m. BCWMC Organizational meeting – elect officers; Discuss BCWMC mission and goals; Discuss 2011 Commission – TAC liaisons Assessment payments from member-cities due February 1 	MEETING – MARCH 15 <ul style="list-style-type: none"> March 7 –TENTATIVE-TAC mtg, 1:30 p.m. 	MEETING – APRIL 19 <ul style="list-style-type: none"> April 5 – TAC mtg, CIP Review 1:30 p.m. Audit Report to State Auditor
May 2012	June 2012	July 2012	August 2012
MEETING – MAY 17 <ul style="list-style-type: none"> Receive/ file Audit; Review Draft 2012 Budget; Final Annual Report presented for approval and submitted to BWSR and member cities 	MEETING – JUNE 21 <ul style="list-style-type: none"> Budget must be approved by Commission by July 1 to meet 30-day city review; Budget sent to member cities by July 1 for 30-day review 	MEETING – JULY 19 <ul style="list-style-type: none"> LMCIT annual invoice; Receive first half of ad valorem tax (early July); 	MEETING – AUGUST 16
September 2012	October 2012	November 2012	December 2012
MEETING–SEPTEMBER 20 <ul style="list-style-type: none"> Submit maximum levy ad valorem tax request to Hennepin County 	MEETING – OCTOBER 18 <ul style="list-style-type: none"> Prepare letters re: deadline to receive applications for the Channel Maintenance Fund during next year's construction season 	MEETING– WEDNESDAY, NOVEMBER 15	MEETING – DECEMBER 20 <ul style="list-style-type: none"> Prepare resolution to transfer 2011 funds from admin acct. to TMDL, Long-term maint., and channel erosion accounts.

Bassett Creek Watershed Management Commission 2012 Administrative Calendar

January 2012	February 2012	March 2012	April 2012
MEETING – JANUARY 19 <ul style="list-style-type: none"> January 5 – TAC meeting, 1:30 p.m. January 31 - End of Fiscal Year Direct auditor to prepare audit report Terms end for Crystal, Golden Valley, and Medicine Lake Resolution to appoint official depositories; Discuss CIP projects' admin expenses reimbursement 	MEETING – FEBRUARY 16 <ul style="list-style-type: none"> February 14 – Admin Cmtee meeting; 8:00 a.m. BCW/MC Organizational meeting – elect officers; Discuss BCW/MC mission and goals; Discuss 2011 Commission – TAC liaisons Assessment payments from member-cities due February 1 	MEETING – MARCH 15 <ul style="list-style-type: none"> March 7 –TENTATIVE-TAC mtg, 1:30 p.m. 	MEETING – APRIL 19 <ul style="list-style-type: none"> April 5 – TAC mtg, CIP Review 1:30 p.m. Audit Report to State Auditor
May 2012	June 2012	July 2012	August 2012
MEETING – MAY 17 <ul style="list-style-type: none"> Receive/ file Audit; Review Draft 2012 Budget; Final Annual Report presented for approval and submitted to BWSR and member cities 	MEETING – JUNE 21 <ul style="list-style-type: none"> Budget must be approved by Commission by July 1 to meet 30-day city review; Budget sent to member cities by July 1 for 30-day review 	MEETING – JULY 19 <ul style="list-style-type: none"> LMCIT annual invoice; Receive first half of ad valorem tax (early July); 	MEETING – AUGUST 16
September 2012	October 2012	November 2012	December 2012
MEETING–SEPTEMBER 20 <ul style="list-style-type: none"> Submit maximum levy ad valorem tax request to Hennepin County 	MEETING – OCTOBER 18 <ul style="list-style-type: none"> Prepare letters re: deadline to receive applications for the Channel Maintenance Fund during next year's construction season 	MEETING–WEDNESDAY, NOVEMBER 15	MEETING – DECEMBER 20 <ul style="list-style-type: none"> Prepare resolution to transfer 2011 funds from admin acct. to TMDL, Long-term maint., and channel erosion accounts.

	2011/2012 BUDGET	CURRENT MONTH	YTD 2011/2012	BALANCE
<u>OTHER GENERAL FUND REVENUE</u>				
ASSESSMENTS	461,045	132,663.00	132,663.00	328,382.00
PERMIT REVENUE	48,000	0.00	0.00	48,000.00
REVENUE TOTAL	509,045	132,663.00	132,663.00	376,382.00
<u>EXPENDITURES</u>				
ENGINEERING				
ADMINISTRATION	120,000	0.00	0.00	120,000.00
PLAT REVIEW	60,000	0.00	0.00	60,000.00
COMMISSION MEETINGS	14,250	0.00	0.00	14,250.00
SURVEYS & STUDIES	10,000	0.00	0.00	10,000.00
WATER QUALITY/MONITORING	20,000	0.00	0.00	20,000.00
WATER QUANTITY	11,000	0.00	0.00	11,000.00
WATERSHED INSPECTIONS	7,000	0.00	0.00	7,000.00
ANNUAL FLOOD CONTROL INSPECTIONS	9,000	0.00	0.00	9,000.00
REVIEW MUNICIPAL PLANS	2,000	0.00	0.00	2,000.00
ENGINEERING TOTAL	253,250	0.00	0.00	253,250.00
PLANNING				
WATERSHED-WIDE SP-SWMM MODEL	70,000	0.00	0.00	70,000.00
WATERSHED-WIDE P8 WATER QUALITY MODEL	135,000	0.00	0.00	135,000.00
NEXT GENERATION PLAN	40,000	0.00	0.00	40,000.00
PLANNING TOTAL	245,000	0.00	0.00	245,000.00
ADMINISTRATOR	50,000	0.00	0.00	50,000.00
LEGAL COSTS	18,500	0.00	0.00	18,500.00
AUDIT, INSURANCE & BONDING	15,225	100.00	100.00	15,125.00
FINANCIAL MANAGEMENT	3,045	0.00	0.00	3,045.00
MEETING EXPENSES	2,750	0.00	0.00	2,750.00
SECRETARIAL SERVICES	40,000	0.00	0.00	40,000.00
PUBLICATIONS/ANNUAL REPORT	2,000	0.00	0.00	2,000.00
WEBSITE	2,500	0.00	0.00	2,500.00
PUBLIC COMMUNICATIONS	3,000	0.00	0.00	3,000.00
WOMP	10,000	0.00	0.00	10,000.00
EDUCATION AND PUBLIC OUTREACH	5,775	0.00	0.00	5,775.00
WATERSHED EDUCATION PARTNERSHIPS	13,000	0.00	0.00	13,000.00
EROSION/SEDIMENT (CHANNEL MAINT)	25,000	0.00	0.00	25,000.00
LONG TERM MAINTENANCE (moved to CF)	25,000	0.00	0.00	25,000.00
TMDL STUDIES (moved to CF)	10,000	0.00	0.00	10,000.00
GRAND TOTAL	724,045	100.00	100.00	723,945.00

Bassett Creek Watershed Management Commission General Account

General Fund (Administration) Financial Report

Fiscal Year: February 1, 2011 through January 31, 2012

(UNAUDITED)

MEETING DATE: January 19, 2012

BEGINNING BALANCE	7-Dec-11			494,223.87
ADD:				
General Fund Revenue:				
Interest/(Bank Fees)			4.84	
League of MN Cities		Ins Dividend	1,298.00	
2012 - 2013 Assessment:				
Golden Valley		115,080.00		
Crystal		24,941.00		
Robbinsdale		8,022.00		
New Hope		25,533.00		
Reimbursed Construction Costs			5,607.30	
		Total Revenue and Transfers In		6,910.14
DEDUCT:				
Checks:				
2406 Barr Engineering		Dec Engineering Services	23,134.22	
2407 D'Amico		Jan Meeting	337.97	
2408 Amy Herbert		Dec Secretarial	1,377.48	
2409 Kennedy & Graven		Nov Legal	1,251.05	
2410 Henn Cty Dept of Enviro		Site Monitoring	2,000.00	
2411 Metropolitan Council		Citizen Assisted Monitoring	4,550.00	
2412 Mpls Park & Recr		Outlet Monitoring Program	4,249.77	
2413 Rice Creek Watershed		Blue Thumb Membership	1,500.00	
2414 Shingle Creek Watershed		Metro Blooms Workshops	2,000.00	
Wells Fargo		Check Blanks/Deposit Tkts	100.47	
		Total Checks		40,500.96
2012 - 2013 Expense				
2415 CNA Surety		Insurance Bond	100.00	
Outstanding from previous years-Prior Year Expenses:				
Meadowbrook School		2009 Exp-Grant	992.08	
2405 Watershed Consulting		Replace check 2392	1,301.35	
		Total Expenses		40,500.96
ENDING BALANCE	10-Jan-12			460,633.05

	2011/2012 BUDGET	CURRENT MONTH	YTD 2011/2012	BALANCE
<u>OTHER GENERAL FUND REVENUE</u>				
ASSESSMENTS	434,150	0.00	434,151.00	(1.00)
PERMIT REVENUE	40,000	0.00	35,300.00	4,700.00
GRANTS	0	0.00	0.00	0.00
MISCELLANEOUS	0	1,298.00	1,868.00	(1,868.00)
INTEREST	0	4.84	28.51	(28.51)
REVENUE TOTAL	474,150	1,302.84	471,347.51	2,802.49
<u>EXPENDITURES</u>				
ENGINEERING				
ADMINISTRATION	110,000	7,245.00	116,634.67	(6,634.67)
PLAT REVIEW	50,000	1,180.50	50,289.42	(289.42)
COMMISSION MEETINGS	13,000	0.00	9,150.10	3,849.90
SURVEYS & STUDIES	20,000	5,823.50	18,070.96	1,929.04
WATER QUALITY/MONITORING	34,000	1,113.50	19,873.50	14,126.50
WATER QUANTITY	11,000	765.72	8,531.62	2,468.38
WATERSHED INSPECTIONS	8,000	0.00	4,826.82	3,173.18
ANNUAL FLOOD CONTROL INSPECTIONS	10,000	0.00	2,291.19	7,708.81
REVIEW MUNICIPAL PLANS	2,000	0.00	0.00	2,000.00
ENGINEERING TOTAL	258,000	16,128.22	229,668.28	28,331.72
ADMINISTRATOR	36,000	0.00	24,098.62	11,901.38
LEGAL COSTS	18,500	907.25	14,906.41	3,593.59
AUDIT, INSURANCE & BONDING	15,000	0.00	12,452.00	2,548.00
FINANCIAL MANAGEMENT	3,000	100.47	100.47	2,899.53
MEETING EXPENSES	4,750	337.97	3,940.11	809.89
SECRETARIAL SERVICES	45,000	1,427.60	36,785.70	8,214.30
PUBLICATIONS/ANNUAL REPORT	2,000	0.00	2,410.00	(410.00)
WEBSITE	4,500	0.00	213.75	4,286.25
PUBLIC COMMUNICATIONS	3,000	0.00	1,443.31	1,556.69
WOMP	10,000	5,942.15	8,351.40	1,648.60
DEMONSTRATION/EDUCATION GRANTS	5,000	0.00	0.00	5,000.00
EDUCATION, OUTREACH & PARTNERSHIPS	19,400	10,050.00	18,394.63	1,005.37
EROSION/SEDIMENT (CHANNEL MAINT)	25,000	0.00	0.00	25,000.00
LONG TERM MAINTENANCE (moved to CF)	25,000	0.00	0.00	25,000.00
GRAND TOTAL	474,150	34,893.66	352,764.68	121,385.32

Cash Balance 12/07/11			
Cash		1,945,581.29	
Investments:			
Federal Home Loan Mtg Corp - Purchased 1/14/11 - Due 9/16/2015			
0.5% (Current mkt value \$501,615.00)		512,059.83	
Total Cash & Investments			2,457,641.12
Add:			
Interest Revenue		31.32	
Market Value Homestead Credit		12,365.62	
Total Revenue			12,396.94
Less:			
CIP Projects Levied - Current Expenses - TABLE A		(5,148.50)	
Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B		(334.65)	
Total Current Expenses			(5,483.15)
Total Cash & Investments On Hand	01/11/12		2,464,554.91
Total Cash & Investments On Hand	2,464,554.91		
CIP Projects Levied - Budget Remaining - TABLE A	(2,294,090.58)		
Closed Projects Remaining Balance	170,464.33		
2011 Anticipated Tax Levy Revenue - TABLE C	13,091.16		
Anticipated Closed Project Balance	183,555.49		
2012 Proposed & Future CIP Project Amount to be Levied - TABLE B	1,073,000.00		
2013 Proposed & Future CIP Project Amount to be Levied - TABLE B	196,000.00		

TABLE A - CIP PROJECTS LEVIED

	Approved Budget	Current Expenses	2011 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
Twin Lake-expected completion 2006	140,000.00	0.00	0.00	5,724.35	134,275.65
West Medicine Lake Park Pond	1,100,000.00	0.00	0.00	744,633.58	355,366.42
Plymouth Creek Channel Restoration (2010)	965,200.00	1,189.50	823,673.82	884,835.02	80,364.98
Main Stem Crystal to Regent (2010)	636,100.00	1,131.50	226,702.17	249,862.02	386,237.98
Wisc Ave/Duluth Street-Crystal (2011 CR)	580,200.00	312.50	4,148.50	38,952.47	541,247.53
North Branch-Crystal (2011 CR-NB)	834,900.00	0.00	60.00	31,582.86	803,317.14
Plymouth Pond NB-07(NL-2)	0.00	2,515.00	6,117.12	6,719.12	(6,719.12)
	4,256,400.00	5,148.50	1,060,701.61	1,962,309.42	2,294,090.58

TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED

	Approved Budget - To Be Levied	Current Expenses	2011 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
2012					
Wirth Lake Outlet Modification (WTH-4)(2012)	180,000.00	248.70	22,319.34	25,229.34	154,770.66
Main Stem Irving Ave to GV Road (2012 CR)	856,000.00	85.95	71,075.17	72,795.17	783,204.83
Schaper Pond Enhancement Feasibility (SL-1)	37,000.00	0.00	38,692.99	38,692.99	(1,692.99)
2012 Project Totals	1,073,000.00	334.65	132,087.50	136,717.50	936,282.50
2013					
Lakeview Park Pond (2013)	196,000.00	0.00	1,476.00	2,113.50	193,886.50
2013 Project Totals	196,000.00	0.00	1,476.00	2,113.50	193,886.50
Total Proposed & Future CIP Projects to be Levied	1,269,000.00	334.65	133,563.50	138,831.00	1,130,169.00

TABLE C - TAX LEVY REVENUES

	County Levy	Abatements / Adjustments	Adjusted Levy	Current Received	Year to Date Received	Inception to Date Received	Balance to be Collected	BCWMO Levy
2011 Tax Levy	862,400.00		862,400.00	12,208.90	849,308.84	849,308.84	13,091.16	862,400.00
2010 Tax Levy	935,298.91	(1,660.13)	933,638.78	156.72	4,848.82	926,785.29	6,853.49	935,000.00
2009 Tax Levy	800,841.30	(6,550.93)	794,290.37	0.00	618.11	792,246.52	2,043.85	800,000.00
2008 Tax Levy	908,128.08	(3,381.33)	904,746.75	0.00	466.56	903,698.88	1,047.87	907,250.00
2007 Tax Levy	190,601.74	(640.14)	189,961.60	0.00	68.22	189,931.45	30.15	190,000.00
2006 Tax Levy	531,095.47	(2,721.10)	528,374.37	0.00	104.10	528,507.63	(133.26)	519,000.00
2005 Tax Levy	450,401.40	(2,380.36)	448,021.04			448,065.77	(44.73)	438,000.00

12,365.62

22,888.53

OTHER PROJECTS:

	Approved Budget	Current Expenses / (Revenue)	2011 YTD Expenses / (Revenue)	INCEPTION To Date Expenses / (Revenue)	Remaining Budget
TMDL Studies					
TMDL Studies	125,000.00	0.00	168.00	102,756.15	22,243.85
Sweeney TMDL	119,000.00	0.00	5,290.50	212,222.86	
Less: MPCA Grant Revenue		0.00	(8,524.20)	(163,870.64)	70,647.78
TOTAL TMDL Studies	244,000.00	0.00	(3,065.70)	151,108.37	92,891.63
Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
Flood Control Long-Term Maintenance	523,373.00	0.00	0.00	13,566.33	509,806.67
Sweeney Lake Outlet (2012 FC-1)	250,000.00	124.15	7,198.15	11,648.15	238,351.85
Annual Water Quality					
Channel Maintenance Fund	200,000.00	0.00	0.00	41,818.10	158,181.90
Total Other Projects	1,717,373.00	124.15	4,132.45	218,140.95	1,499,232.05

Cash Balance 12/07/11	1,256,102.35
Add:	
MPCA Grant-Sweeney Lk	0.00
Less:	
Current Expenses	(124.15)
Ending Cash Balance	01/11/12
	1,255,978.20

CIP Projects Levied							
Total			2010	2010	2011	2011	
CIP Projects Levied	Twin Lake	West Medicine Lake Park Pond (2008-1)	Plymouth Creek Channel Restoration (CR)	Main Stem Crystal to Regent (CR)	Wisc Ave (Duluth Str)- Crystal (GV)	North Branch - Crystal (CR-NB)	Plymouth Pond NB-07 (NL-2)
Original Budget	4,256,400	140,000	1,100,000	965,200	636,100	580,200	834,900
Expenditures:							
Feb 2004 - Jan 2005	1,983.50	1,983.50					
Feb 2005 - Jan 2006	1,716.70	1,716.70					
Feb 2006 - Jan 2007	2,164.95	375.70	1,789.25				
Feb 2007 - Jan 2008	1,871.70	36.00	1,835.70				
Feb 2008 - Jan 2009	39,346.36		18,392.11	20,954.25			
Feb 2009 - Jan 2010	23,188.45	1,612.45	687.00	9,319.95	11,569.05		
Feb 2010 - Jan 2011	831,336.15		721,929.52	30,887.00	11,590.80	34,803.97	31,522.86
Feb 2011 - Jan 2012	1,060,701.61			823,673.82	226,702.17	4,148.50	60.00
Total Expenditures:	1,962,309.42	5,724.35	744,633.58	884,835.02	249,862.02	38,952.47	31,582.86
Project Balance	2,294,090.58	134,275.65	355,366.42	80,364.98	386,237.98	541,247.53	803,317.14
							(6,719.12)

CIP Projects Levied							
Total			2010	2010	2011	2011	
CIP Projects Levied	Twin Lake	West Medicine Lake Park Pond (2008-1)	Plymouth Creek Channel Restoration (CR)	Main Stem Crystal to Regent (CR)	Wisc Ave (Duluth Str)- Crystal (GV)	North Branch - Crystal (CR-NB)	Plymouth Pond NB-07 (NL-2)
Project Totals By Vendor							
Barr Engineering	151,524.76	3,758.10	7,004.91	41,267.60	23,825.00	38,159.82	30,790.21
Kennedy & Graven	9,534.05	1,966.25	1,427.15	2,120.10	2,435.25	792.65	792.65
City of Golden Valley	222,788.32			222,788.32			
City of Plymouth	1,555,087.29		736,201.52	818,885.77			
Com of Trans							
S E H							
Misc							
2.5% Admin Transfer	23,375.00			22,561.55	813.45		
Total Expenditures	1,962,309.42	5,724.35	744,633.58	884,835.02	249,862.02	38,952.47	31,582.86
							6,719.12

CIP Projects Levied							
Total			2010	2010	2011	2011	
CIP Projects Levied	Twin Lake	West Medicine Lake Park Pond (2008-1)	Plymouth Creek Channel Restoration (CR)	Main Stem Crystal to Regent (CR)	Wisc Ave (Duluth Str)- Crystal (GV)	North Branch - Crystal (CR-NB)	Plymouth Pond NB-07 (NL-2)
Levy/Grant Details							
2009/2010 Levy	935,000		902,462	32,538			
2010/2011 Levy	862,400			286,300	160,700	415,400	
2011/2012 Levy - Future ?							
Construction Fund Balance	904,000		62,738	2,262	419,500	419,500	
BWSR Grant- BCWMO	360,000		212,250	147,750			
Total Levy/Grants	3,061,400		1,177,450	468,850	580,200	834,900	
BWSR Grants Received			191,025	132,975			

Bassett Creek Construction Project Details

Proposed & Future CIP Projects (to be Levied)					
	Total Proposed & Future CIP Projects (to be Levied)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (2012CR)	2013 Lakeview Park Pond (ML-8)	2012 Schaper Pond Enhancement Feasibility (SL-1)
Original Budget	1,269,000	180,000	856,000	196,000	37,000
Expenditures:					
Feb 2004 - Jan 2005	637.50			637.50	
Feb 2005 - Jan 2006					
Feb 2006 - Jan 2007					
Feb 2007 - Jan 2008					
Feb 2008 - Jan 2009					
Feb 2009 - Jan 2010					
Feb 2010 - Jan 2011	4,630.00	2,910.00	1,720.00		
Feb 2011 - Jan 2012	133,563.50	22,319.34	71,075.17	1,476.00	38,692.99
Total Expenditures:	138,831.00	25,229.34	72,795.17	2,113.50	38,692.99
Project Balance	1,130,169.00	154,770.66	783,204.83	193,886.50	(1,692.99)

	Total Proposed & Future CIP Projects (to be Levied)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (2012CR)	2013 Lakeview Park Pond (ML-8)	2012 Schaper Pond Enhancement Feasibility (SL-1)
Project Totals By Vendor					
Barr Engineering	135,586.75	23,004.19	71,821.07	2,068.50	38,692.99
Kennedy & Graven	3,244.25	2,225.15	974.10	45.00	
City of Golden Valley					
City of Plymouth					
Com of Trans					
S E H					
Misc					
2.5% Admin Transfer					
Total Expenditures	138,831.00	25,229.34	72,795.17	2,113.50	38,692.99

	Total Proposed & Future CIP Projects (to be Levied)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (2012CR)	2013 Lakeview Park Pond (ML-8)	2012 Schaper Pond Enhancement Feasibility (SL-1)
Levy/Grant Details					
2009/2010 Levy					
2010/2011 Levy					
2011/2012 Levy - Future ?	971,000	175,000	600,000	196,000	
Construction Fund Balance					
BWSR Grant- BCWMO	75,000	75,000			
Total Levy/Grants	1,046,000	250,000	600,000	196,000	
BWSR Grants Received		67,500			

Bassett Creek Construction Project Details

Other Projects							
Total					2012		
Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Sweeney Lake Outlet (FC-1)	Channel Maintenance	Totals - All Projects
Original Budget	1,717,373	125,000	500,000	773,373 (250,000.00)	250,000	200,000	7,242,773
Expenditures:	(163,870.64)	(163,870.64)					(163,870.64)
MPCA Grant							
Feb 2004 - Jan 2005							2,621.00
Feb 2005 - Jan 2006	6,949.19			3,954.44		2,994.75	8,665.89
Feb 2006 - Jan 2007	10,249.09	637.20		9,611.89			12,414.04
Feb 2007 - Jan 2008	113,141.44	23,486.95	89,654.49				115,013.14
Feb 2008 - Jan 2009	117,455.33	31,590.12	47,041.86			38,823.35	156,801.69
Feb 2009 - Jan 2010	76,184.64	31,868.63	44,316.01				99,373.09
Feb 2010 - Jan 2011	45,375.25	15,005.25	25,920.00		4,450.00		881,341.40
Feb 2011 - Jan 2012	12,656.65	168.00	5,290.50		7,198.15		1,206,921.76
Total Expenditures:	218,140.95	102,756.15	48,352.22	13,566.33	11,648.15	41,818.10	2,319,281.37
Project Balance	1,499,232.05	22,243.85	70,647.78	500,000.00	509,806.67	238,351.85	4,923,491.63

Other Projects							
Total					2012		
Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Sweeney Lake Outlet (FC-1)	Channel Maintenance	Totals - All Projects
Project Totals By Vendor							
Barr Engineering	214,564.19	99,879.70	94,948.17	9,549.32	10,187.00		501,675.70
Kennedy & Graven	5,907.54	1,164.30	2,902.59	24.75	1,461.15	354.75	18,685.84
City of Golden Valley	2,640.00					2,640.00	225,428.32
City of Plymouth	38,823.35					38,823.35	1,593,910.64
Com of Trans	3,992.26			3,992.26			3,992.26
S E H	101,598.10		101,598.10				101,598.10
Misc	14,486.15	1,712.15	12,774.00				14,486.15
2.5% Admin Transfer							23,375.00
Total Expenditures	382,011.59	102,756.15	212,222.86	13,566.33	11,648.15	41,818.10	2,483,152.01

Other Projects							
Total					2012		
Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Sweeney Lake Outlet (FC-1)	Channel Maintenance	Totals - All Projects
Levy/Grant Details							
MPCA Grant	163,870.64	163,870.64					935,000
2009/2010 Levy							862,400
2010/2011 Levy							971,000
2011/2012 Levy - Future ?							904,000
Construction Fund Balance							435,000
BWSR Grant- BCWMO							
Total Levy/Grants	163,870.64	163,870.64					4,107,400
BWSR Grants Received							

Bassett Creek Watershed
Revenue Allocations
2012 - 2013

Date	From	Assessments	Misc	Permits	
				City	Other
1/5/2012	Golden Valley	115,080.00			
	Crystal	24,941.00			
	Robbinsdale	8,022.00			
	New Hope	25,533.00			
<hr/>					
Totals		173,576.00	0.00	0.00	0.00

			Gen Fund Interest	Invest Fund Interest
Grants	Taxes	Mkt Value Homestead		
0.00	0.00	0.00	0.00	0.00

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

(612) 337-9300

January 18, 2012
Statement No. 106326

Bassett Creek Water Management Commission
Sue Virnig
7800 Golden Valley Road
Golden Valley, MN 55427

Through December 31, 2011

BA295-00001 General

633.46

Total Current Billing: 633.46

I declare, under penalty of law, that this
account, claim or demand is just and correct
and that no part of it has been paid.



Signature of Claimant

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

December 31, 2011

BA295-00001 General

Through December 31, 2011

For All Legal Services As Follows:

			Hours	Amount
12/1/2011	CLL	Work on response to J. Grube regarding project participation agreement	0.55	105.05
12/3/2011	CLL	Continue work on letter to J. Grube regarding cost sharing agreement	0.50	95.50
12/5/2011	CLL	Exchange emails on GASB-54	0.20	38.20
12/5/2011	CLL	Proof and revise letter to J. Grube; phone call to J. Settles regarding same; phone call from L. Kremer regarding same, on funding for improvements and on status of Minneapolis project	0.60	114.60
12/12/2011	CLL	Prepare revised policy manual section 3.2.2; emails with K. Chandler regarding same	0.65	124.15
12/22/2011	CLL	Update filing	0.25	47.75
12/30/2011	CLL	Work on amendments to policy manual funding section	0.50	95.50
Total Services:			\$	620.75

For All Disbursements As Follows:

	Photocopies	2.80
	Postage	4.36
11/16/2011	Charles L. LeFevere; Mileage expense	5.55
Total Disbursements:		\$ 12.71

Total Services and Disbursements: \$ 633.46



Bassett Creek WMO
7800 Golden Valley Road
Golden Valley, MN 55427

Page # 1
Invoice # 23270051-2011-12
Project # 23/27-0051
Client # 59
February 3, 2012

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
December 31, 2011 through January 27, 2012

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, recording administrator, watershed communities, developers in the watershed, Minneapolis Park and Recreation Board (MPRB), Three Rivers Park District (TRPD), Mississippi Watershed Management Organization, Minnesota Department of Transportation (Mn/DOT), Hennepin County, Minnesota Board of Water and Soil Resources (BWSR), Metropolitan Council Environmental Services (MCES), Minnesota Pollution Control Agency (MPCA), Corps of Engineers and interested citizens; coordination with recording administrator regarding post-meeting tasks; communications regarding Commission review of stream restoration projects; provided copy of resolution to Golden Valley city staff; internal communications regarding DNR general permit and status of CIP projects and process; provided watershed shape files to TRPD; reviewed Wirth concept plan and sent link to feasibility study to Wirth Golf Course member; communications with deputy treasurer regarding revisions to financial report; communications with counsel regarding policy manual revisions; internal communications regarding Bassett Creek site visit; review of Bottineau Transitway scoping document and internal discussion; internal meeting regarding BCWMC TMDL implementation.

Leonard J. Kremer, Principal Engineer/Scientist	
2.2 hours @ \$160.00 per hour	\$ 352.00
James P. Herbert, Principal Engineer/Scientist	
7.0 hours @ \$145.00 per hour	\$ 1,015.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
8.0 hours @ \$145.00 per hour	\$ 1,160.00
Michael B. Strong, Engineer/Scientist/Specialist I	
0.4 hours @ \$75.00 per hour	\$ 30.00
Technicians/Administrative.....	\$ 255.00
Subtotal, Technical Services.....	\$ 2,812.00

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments; provided watershed hydraulic information, flood profiles and BCWMC development requirements to applicants; correspondence with BKBM and MCWD regarding proposed Elliot School improvements in St. Louis Park and BCWMC requirements (Elliot School is located in both the Bassett Creek and Minnehaha Creek watersheds); correspondence with RLK regarding Minneapolis project; several phone calls with architect and homeowner in City of Medicine Lake regarding floodplain issues and provided requirements; coordination regarding Wirth Park development; coordination with Ryan Company regarding Rational Energy site improvements in Plymouth; coordination with MFRA regarding Highway 55 site in Plymouth; coordination with Hennepin County regarding Southwest LRT requirements and prepared email to County staff with comments on draft stormwater scope of work and BCWMC Requirements; coordination with Stonebrook Engineers regarding Parade Stadium improvements in Minneapolis.

James P. Herbert, Principal Engineer/Scientist	
11.8 hours @ \$145.00 per hour	\$ 1,711.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
5.0 hours @ \$145.00 per hour	\$ 725.00
<i>Subtotal, Preliminary Site Review/Correspondence</i>	<i>\$ 2,436.00</i>

MONTHLY MEETING PREPARATION

Reviewed draft BCWMC meeting minutes, agenda and packet materials and discussed comments with Bassett Creek recording administrator; communications with chair and recording administrator; internal meetings and coordination with recording administrator regarding agenda, to-do list and meeting packet for January 2012 meeting; created to-do list for February meeting.

Leonard J. Kremer, Principal Engineer/Scientist	
2.8 hours @ \$160.00 per hour	\$ 448.00
James P. Herbert, Principal Engineer/Scientist	
13.0 hours @ \$145.00 per hour	\$ 1,885.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
15.5 hours @ \$145.00 per hour	\$ 2,247.50
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 4,580.50</i>

WETLAND ISSUES

Correspondence with City of Minneapolis staff regarding wetland and WCA issues in Bassett Creek watershed.

James P. Herbert, Principal Engineer/Scientist	
0.8 hours @ \$145.00 per hour	\$ 116.00
<i>Subtotal, Wetland Issues</i>	<i>\$ 116.00</i>

TAC MEETING PREPARATION

Coordination with recording administrator and TAC members regarding January 5, 2012 TAC meeting; prepared TAC materials and provided to recording administrator to distribute to TAC;

prepared draft TAC memo and provided to TAC for review; prepared final TAC memo for January Commission meeting.

Karen L. Chandler, Engineer/Scientist/Specialist III	
8.7 hours @ \$145.00 per hour.....	\$ 1,261.50
<i>Subtotal, TAC Meeting Preparation</i>	<i>\$ 1,261.50</i>
<i>Subtotal Technical Services</i>	<i>\$ 11,206.00</i>

PLAT REVIEW

Note: Projects in **Bold** have provided review fees to offset review costs. Projects not in Bold are either in a preliminary stage or were submitted prior to implementation of the fee schedule.

South Shore Drive Emergency Utility Repair

Coordination with City of Plymouth staff regarding status of repair; site inspection; internal discussions and communications with Medicine Lake Commissioner regarding riprap placement in creek at South Shore Drive bridge; reviewed approved 2010 construction plans for emergency repair.

James P. Herbert, Principal Engineer/Scientist	
2.8 hours @ \$145.00 per hour	\$ 406.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
1.9 hours @ \$145.00 per hour.....	\$ 275.50
<i>Subtotal, South Shore Dr Emergency Utility Repair</i>	<i>\$ 681.50</i>
<i>Subtotal Plat Review</i>	<i>\$ 681.50</i>

COMMISSION MEETINGS

Attended January 5, 2012 TAC meeting and January 19, 2012 Commission meeting

Karen L. Chandler, Engineer/Scientist/Specialist III	
5.3 hours @ \$145.00 per hour.....	\$ 768.50
<i>Subtotal, Commission Meetings.....</i>	<i>\$ 768.50</i>

SURVEYS AND STUDIES

Prepared draft comment letter for Commission meeting regarding MWMO general amendment; communications with Minnetonka staff regarding status of financial reporting initiative; reviewed existing Next Generation Plan questionnaire responses and summarized TAC responses; reviewed former administrator's documents regarding questionnaire responses; prepared 5th Next Generation Plan questionnaire for TAC; received and summarized responses to 5th questionnaire regarding Next Generation Plan process for TAC; communications with Golden Valley staff regarding response to 5th questionnaire; communications with recording administrator and Medicine Lake Commissioner; prepared P8 modeling memorandum background and schedule; responded to questions about P8 memo from TAC; prepared XP-SWMM modeling memorandum background and schedule; internal meeting to discuss scope for P8 and XP-SWMM modeling initiative.

Karen L. Chandler, Engineer/Scientist/Specialist III	
7.6 hours @ \$145.00 per hour	\$ 1,102.00
Gregory J. Wilson, Engineer/Scientist/Specialist III	
8.0 hours @ \$140.00 per hour	\$ 1,120.00
Rita A. Weaver, Engineer/Scientist/Specialist II	
1.1 hours @ \$100.00 per hour	\$ 110.00
Daniel R. Petrik, Engineer/Scientist/Specialist II	
9.6 hours @ \$105.00 per hour	\$ 1,008.00
<i>Subtotal, Surveys and Studies</i>	<i>\$ 3,340.00</i>

WATER QUALITY MONITORING

Preparation of report regarding 2011 water quality study at Crane Lake and Westwood Lake; prepared maps; performed trend analyses for Crane and Westwood Lakes and created graphs; reviewed CAMP data, prepared isopleths; organized data and reviewed chloride and zooplankton relationship; reviewed revised report and internal meeting to discuss chloride issues and report edits.

Karen L. Chandler, Engineer/Scientist/Specialist III	
5.7 hours @ \$145.00 per hour	\$ 826.50
Christopher J. Bonick, Engineer/Scientist/Specialist II	
7.2 hours @ \$105.00 per hour	\$ 756.00
Evan G. Christianson, Engineer/Scientist/Specialist II	
0.5 hours @ \$100.00 per hour	\$ 50.00
Aaron M. Mielke, Engineer/Scientist/Specialist II	
0.5 hours @ \$105.00 per hour	\$ 52.50
Margaret R. Rattei, Engineer/Scientist/Specialist II	
65.6 hours @ \$115.00 per hour	\$ 7,544.00
Eric V. Novotny, Engineer/Scientist/Specialist I	
9.0 hours @ \$95.00 per hour	\$ 855.00
<i>Subtotal, Water Quality Monitoring</i>	<i>\$ 10,084.00</i>

TOTAL ENGINEERING \$ **26,080.00**

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Administrative expenses requested by Amy Herbert including: copies, color copies for meeting packet; postage, CD duplication.

Expenses (B&W/color copies/postage)	\$ 213.28
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TOTAL SECRETARIAL SERVICES EXPENSES \$ **213.28**

ANNUAL REPORT

TOTAL ANNUAL REPORT\$ 0.00

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

Coordination with Met Council staff; obtained low flow measurement and reviewed and revised WOMP station rating curve; coordination regarding 2012 monitoring plan.

James P. Herbert, Principal Engineer/Scientist
0.5 hours @ \$145.00 per hour\$ 72.50

Christopher J. Bonick, Engineer/Scientist/Specialist II
6.5 hours @ \$105.00 per hour\$ 682.50

Subtotal, Watershed Outlet Monitoring Program.....\$ 755.00

TOTAL WOMP.....\$ 755.00

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

PLYMOUTH CREEK RESTORATION PROJECT (2010 CR)

Reviewed next steps for BWSR grant administration/reporting/cost tracking, reviewed invoices for construction costs; reviewed project expenditures, budget and local share; revised/updated data entered in eLINK system, phone conversation with BWSR staff regarding grant status and drafted email to internal staff on results of conversation; reviewed instructions for reporting and prepared February report.

Karen L. Chandler, Engineer/Scientist/Specialist III
2.6 hours @ \$145.00 per hour\$ 377.00

Daniel R. Petrik, Engineer/Scientist/Specialist II
8.7 hours @ \$105.00 per hour\$ 913.50

Jeffrey D. Weiss, Engineer/Scientist/Specialist II
0.5 hours @ \$100.00 per hour\$ 50.00

Subtotal, Plymouth Crk Restoration Project.....\$ 1,340.50

CRYSTAL-REGENT AVENUE (2010 CR)

Reviewed next steps for BWSR grant administration/reporting/cost tracking, reviewed invoices for construction costs; reviewed project expenditures, budget and local share; revised/updated data entered in eLINK system, phone conversation with BWSR staff regarding grant status and drafted email to internal staff on results of conversation; reviewed instructions for reporting and prepared February report.

Karen L. Chandler, Engineer/Scientist/Specialist III
3.4 hours @ \$145.00 per hour\$ 493.00

Daniel R. Petrik, Engineer/Scientist/Specialist II	
8.7 hours @ \$105.00 per hour	\$ 913.50
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
0.5 hours @ \$100.00 per hour	\$ 50.00
<i>Subtotal, Crystal-Regent Avenue</i>	<i>\$ 1,456.50</i>

WISCONSIN AVENUE – CRYSTAL (2011 CR)

Internal meeting and coordination with city staff regarding project; reviewed RAS model and determining velocities for response to plan comments; prepared draft comment letter regarding construction plans for project.

Karen L. Chandler, Engineer/Scientist/Specialist III	
0.3 hours @ \$145.00 per hour	\$ 43.50
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
4.2 hours @ \$100.00 per hour	\$ 420.00
Amy R. Mikus, Engineer/Scientist/Specialist I	
6.0 hours @ \$80.00 per hour	\$ 480.00
<i>Subtotal, Wisconsin Avenue - Crystal</i>	<i>\$ 943.50</i>

PLYMOUTH POND NB-07 (NL-2)

Communications with Plymouth staff regarding feasibility study; communications with Hennepin County staff regarding schedule for CIP projects; provide information to Plymouth city staff; preparation and attendance at meeting with City of Plymouth and New Hope staff regarding Four Seasons Mall/NB-07 project opportunities and scope for feasibility study; reviewed historical cost estimate data for the project; communications with counsel regarding schedule, process and need for plan amendment

Leonard J. Kremer, Principal Engineer/Scientist	
2.5 hours @ \$160.00 per hour	\$ 400.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
7.2 hours @ \$145.00 per hour	\$ 1,044.00
<i>Subtotal, Pond NB-07.....</i>	<i>\$ 1,444.00</i>

IRVING AVE (CONDUIT ENTR) TO GOLDEN VALLEY RD (2012 CR)

Coordination regarding status of project; participated in BWSR webinar regarding the 2012 grant requirements.

Karen L. Chandler, Engineer/Scientist/Specialist III	
0.2 hours @ \$145.00 per hour.....	\$ 29.00
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
2.0 hours @ \$100.00 per hour	\$ 200.00
<i>Subtotal, Irving Avenue to Golden Valley Rd (Admin)</i>	<i>\$ 229.00</i>

SCHAPER POND ENHANCEMENT (SL-1)

Coordination with City of GV staff regarding study; coordination regarding Schaper Pond presentation to BCWMC.

Leonard J. Kremer, Principal Engineer/Scientist	
0.7 hours @ \$160.00 per hour	\$ 112.00
Keith M. Pilgrim, Engineer/Scientist/Specialist III	
6.5 hours @ \$125.00 per hour	\$ 812.50
Michael B. Strong, Engineer/Scientist/Specialist I	
0.2 hours @ \$75.00 per hour	\$ 15.00
<i>Subtotal, Schaper Pond Enhancement (Admin)</i>	\$ 939.50

TOTAL CAPITAL IMP PROJECTS (Tax Levy)\$ 6,353.00

CAPITAL IMPROVEMENT PROJECTS (Funded through Flood Control Project Long-term Maintenance Funds)
--

**TOTAL CAPITAL IMPROVEMENT PROJECTS
(Maintenance Funds)\$ 0.00**

TMDL STUDIES

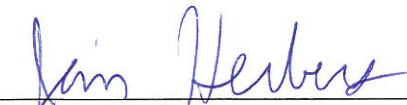
TOTAL TMDL STUDIES.....\$ 0.00

SUMMARY TOTALS

Total Engineering	\$ 26,080.00
Total Secretarial Services Expenses	\$ 213.28
Total Annual Report	\$ 0.00
Total WOMP	\$ 755.00
Total Capital Improvement Projects (Tax Levy)	\$ 6,353.00
Total Capital Improvement Projects (Maintenance Funds)	\$ 0.00
Total TMDL Studies	\$ 0.00

TOTAL PAYABLE\$ 33,401.28

Barr declares under the penalties of law that this account, claim or demand is just and that no part of it has been paid.



Leonard J. Kremer

Amy Herbert · Virtual Administrator Services
bcra@barr.com · 952-832-2652

February 4, 2012

Bassett Creek Watershed Management Commission (BCWMC)
Attn: Sue Virnig, Deputy Treasurer
7800 Golden Valley Road
Golden Valley, MN 55427

For contracted services January 1, 2012, through January 31, 2012

Administrative Services to BCWMC

- Organized the January 19th BCWMC packet materials for copying; copied and assembled meeting packets, delivered packets to Barr Engineering mail room for weighing, adding postage, and mailing; posted meeting materials online and e-mailed link to the Commission and TAC.
- Maintained BCWMC files; Communicated with BCWMC attorney, engineers, Deputy Treasurer, Chair, commissioners, and committee members.
- Organized BCWMC monthly invoices; Distributed invoice payments.
- Sent out/ collected from the Commission the annual conflict of interest forms for auditor's audit records; Prepared resolutions for the January BCWMC meeting; Prepared meeting minutes from January BCWMC meeting; Forwarded meeting materials to Administrative Services Committee; Mailed BCWMC comments on MWMO's general amendment of its watershed plan to the MWMO.
- Created meeting notices for the January 27th Administrative Services Committee meeting

34.75 hours @ \$57.00 per hour \$1,980.75

BCWMC Meetings

Set up and attended the January 16th pre-meeting conference call and January 19th BCWMC meeting (coordinated room reservations, ordered/ received catering, coordinated agenda, prepared and provided handouts not in meeting packet; recorded meeting)

5.25 hours @ \$57.00 per hour \$299.25

CIP Administrative Services

Discussed with staff the status of Cooperative Agreement/ Resolution for Main Stem Project

0.25 hour @ \$57.00 per hour \$14.25

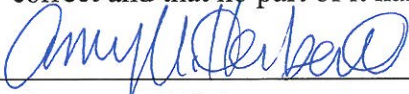
Mileage

Roundtrip mileage between Chanhassen and Golden Valley City Hall for January
19th BCWMC meeting (17.08 miles x 0.555 = \$9.48);

..... \$9.48

Subtotal Administrative Services	\$2,289.48
Subtotal CIP Administrative Services	\$14.25
Total Current Billing:	\$2,303.73

I declare, under penalty of law, that this
account, claim or demand is just and
correct and that no part of it has been paid.



Signature of Claimant

ACE Drop-Off Catering

Invoice

VB Box 132
PO Box 9202
Minneapolis, MN 55480-9202
612/238-4016 ahooffer@damico.com

INVOICE #

51364

SHIP TO

Golden Valley City Hall-2nd Fl-Council Rm
7800 Golden Valley Road
Site Contact: Judy N 763/593-3991
PO#23270512008300
952/832-2652 fax: 832-2601

BILL TO

Barr Engineering
Amy Herbert
4700 W 77th Street
Edina, MN 55435-4803

P.O. NUMBER	TERMS		DELIVERY DATE	DAY	PPL	DELIVERY TIME
see above	Due on receipt		2/16/2012	Thursday	19	11 AM (10:45-11:15)

QUATY	DESCRIPTION	PRICE EA...	AMOUNT
19	Hot Monthly Special Buffet	11.95	227.05T
1	Warm Grilled Eggplant to make a Sandwich (Vegetarian)-In TOGO Box	0.00	0.00T
18	Build your own Hot Italian Beef Sandwich with Warm Sliced Beef in Au Jus	0.00	0.00T
19	Sliced Ciabatta Rolls, Giardiniera Pickle Mix and Horseradish Sauce	0.00	0.00T
8	Mediterranean Pasta Salad	0.00	0.00T
8	Creamy Coleslaw	0.00	0.00T
19	Potato Chips	0.00	0.00T
19	Assorted Bars & Cookies	0.00	0.00T
1	Assorted Bars & Cookies-Dozen	18.00	18.00T
4	Full Disposable Chafer-PU Old Ones	6.00	24.00T
6	Mineral Water	1.25	7.50T
4	Lemonade	1.45	5.80T
15	Spring Water	1.00	15.00T
	Subtotal		297.35
	Delivery Charge	20.00	20.00T
	Metro Sales Tax	7.275%	23.09

Thank you for your business.

Total \$340.44

***Delivery charges do not include any tip or gratuity to the driver. They are used to defer the additional expense of vehicles, insurance, packaging and other items associated with making a delivery. Please make checks payable to "D'Amico Catering".

Reference the invoice # and delivery date on your check, unless paid by credit card.

Thank you for your business.

Agreed to by (customer)_____

Bassett Creek Recording Administrator

From: Johnson, Brian [Brian.Johnson@metc.state.mn.us]
Sent: Wednesday, January 25, 2012 10:41 AM
To: 'jeff.perry@co.anoka.mn.us'; 'Kehrer, Jeff'; Bassett Creek Recording Administrator; 'terry.schultz@ci.burnsville.mn.us'; 'Timothy Sundby'; 'Spreiter, Krista'; 'Doug Thomas'; 'Leslie Stovring'; 'Judie Anderson'; 'Messerschmidt, Ann'; 'Jo Colleran'; 'Claire Bleser'; 'Stacy Sass'; 'Matthew Kocian'; 'Bokman, Melissa'; 'Jamie Polley'; 'Diane F. Spector'; 'John Sachi'; 'Jim Vaughan'; 'John P. Hanson'; 'Erik Anderson'; 'thanson@wsbeng.com'; 'Doucette, Sharon'; 'James.Kujawa@co.hennepin.mn.us'; 'Ryan Ruzek'; 'Kelly Dooley'
Subject: CAMP Lake Planning 2012
Attachments: 2012 CAMP MONITORING SCHEDULE.pdf

Hello Sponsors and Partners of the Citizen Assisted Monitoring Program:

The 2012 lake monitoring season is coming upon us. The monitoring season is scheduled to begin in mid-April as usual. The schedule for 2012 is attached. If you plan to participate this year in the CAMP, please send me a list of lakes that your organization plans to monitor in 2012. Please include the DNR ID#, the frequency of monitoring, and the quantity of new monitoring kits (if you need them). The purposes of the list are to:

- Coordinate the monitoring of CAMP lakes and Metropolitan Council staff-monitored lakes.
- Form the basis for the contracts between the sponsor and the Metropolitan Council.

Please forward me your list of lakes by Friday, February 24, so the contract process can begin.

Also, keep in mind your needs for training and/or re-training of your volunteers. First time volunteers are required to be trained in the CAMP methods. This is a good time to coordinate with me the training sessions and assistance that you need.

Sincerely,

Brian Johnson
 Senior Environmental Scientist



2400 Childs Road
 St. Paul, MN 55106

651-602-8743
brian.johnson@metc.state.mn.us

2012 MONITORING SCHEDULE

Citizen-Assisted Monitoring Program

Week 1: April 16 – 22	Week 9: August 6 – 12
Week 2: April 30 – May 6	Week 10: August 20 – 26
Week 3: May 14 – 20	Samples Pick-up #2: August 27 – 31
Week 4: May 28 – June 3	Week 11: September 3 – 9
Week 5: June 11 – 17	Week 12: September 17 – 23
Samples Pick-up #1: June 18 – 22	Week 13: October 1 – 7
Week 6: June 25 – July 1	Week 14: October 15 – 21
Week 7: July 9 – 15	Samples Pick-up #3: October 22 – 26
Week 8: July 23 – 29	

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
CAPITAL IMPROVEMENT PROGRAM CLOSED PROJECT ACCOUNT POLICY

I. PURPOSE

The Commission's Capital Improvement Program (CIP) includes projects that are proposed to be funded by a County ad valorem tax levy on property in the watershed pursuant to Minn. Stat. §103B.251. Tax settlements from Hennepin County to the Commission for these projects are deposited in a construction account established for each such project. There will be times when tax settlements to the Commission exceed the costs incurred for CIP projects. The purpose of this policy is to establish procedures and guidelines for collection, accounting and use of these excess funds.

II. ESTABLISHMENT OF ACCOUNT

The Commission hereby establishes the CIP Closed Project Account (the "Account"). Upon completion of CIP projects funded in whole or in part by a County tax levy, reimbursement of Commission expenses and administrative charges, and final payment to the City with responsibility for construction of the project, the construction account for that project will be closed and remaining funds will be transferred to the Account. Interest earned on money in the Account will be credited to the Account.

III. USE OF THE CIP CLOSED PROJECT ACCOUNT

As a general guiding principle, the Account will be used for expenses incurred for other projects in the Commission's CIP that are proposed to be funded with a County tax levy. Such expenses include:

- A. The administrative and construction costs of CIP projects. Monies from the Account may be used to reduce or eliminate a tax levy for capital projects in the CIP by transferring monies to the construction accounts for those projects.
- B. Reimbursement to the Commission's General Fund of expenses or administrative fees incurred in connection with a project if the tax settlement for that project is not sufficient to cover such expenses.
- C. Reimbursement to cities that construct projects for administrative or construction costs if tax settlements received from the County are not sufficient to cover such costs. These costs might include cost overruns on projects, change orders, corrective follow-up work or repairs, or other unforeseen project costs.

- D. Prepayment of project costs to the Commission or to cities for project costs that are incurred before receipt of tax settlement from the County for that project.
- E. Partial funding of TMDL study costs if the Commission has sufficient information to determine with reasonable assurance that the TMDL study will identify, plan, design, or redesign capital projects to be funded with a County tax levy.

IV. PROCEDURE FOR USE OF ACCOUNTS

The Account may be used for any lawful purpose upon a majority vote of the Commissioners present at any meeting at which a quorum of the Commission is present.

V. TARGET ACCOUNT BALANCE

The Commission does not intend to accumulate unreasonable balances in the Account. Because the Account could be used to fund projects in advance of receipt of tax settlement from the County, and because a number of larger projects in the CIP have total costs, or annual project costs, of approximately \$250,000, the Commission finds that an accumulation of up to \$250,000 is reasonable. Money will not be accumulated to an amount in excess of \$250,000 unless a specific use for such funds has been identified. The Account balances may be kept within this amount by expending funds for any of the purposes identified in this policy.

VI. PERIODIC REVIEW

Each year the Commission will consider the status of the Account prior to certification to Hennepin County of requests for tax levies for capital projects.

Date of adoption of policy: October 20, 2005

Amended: March 19, 2009

	A	E	F	G	H	I	J	K	L
1	2012 Operating Budget								
2	Bassett Creek Watershed Management Commission - June 2011								
3	DRAFT								
4	Item	Audited 2010 Actual	2011 Budget	2011 Estimated - numbers shown are 2011 budget for now		Proposed 2012 Budget			
5	ENGINEERING								
6	Technical Services	119,832	110,000		110,000			120,000	
7	Plat Reviews (funded by permit fees)	53,128	50,000		50,000			60,000	
8	Commission and TAC Meetings	12,316	13,000		13,000			14,250	
9	Surveys and Studies	17,899	20,000		20,000			10,000	
10	Water Quality / Monitoring	24,489	34,000		34,000			20,000	
11	Water Quantity	8,264	11,000		11,000			11,000	
12	Inspections								
13	Watershed Inspections	10,842	8,000		8,000			7,000	
14	Project Inspections	5,714	10,000		10,000			9,000	
15	Municipal Plan Review	7,927	2,000		2,000			2,000	(1)
16	Subtotal Engineering	\$260,411	\$258,000		\$258,000			\$253,250	
17	PLANNING								
18	Watershed-wide XP-SWMM Model							\$70,000	
19	Watershed-wide P8 Water Quality Model							\$135,000	
20	Next Generation Plan							\$40,000	
21	Subtotal Planning	\$0	\$0		\$0			\$245,000	
22	Administrator	30,297	36,000		36,000			50,000	
23	Legal	17,331	18,500		18,500			18,500	
24	Financial Management	3,054	3,000		3,000			3,045	
25	Audit, Insurance & Bond	13,328	15,000		15,000			15,225	
26	Meeting Catering Expenses	4,610	4,750		4,750			2,750	
27	Administrative Services	42,578	45,000		45,000			40,000	
28	Public Outreach								
29	Publications / Annual Report	5,169	2,000		2,000			2,000	
30	Website	1,031	4,500		4,500			2,500	
31	Watershed Outlet Monitoring Program (WOMP)	6,818	10,000		10,000			10,000	(2)
32	Demonstration/Education Grants	3,140	5,000		5,000			0	(3)
33	Watershed Education Partnerships	16,150	14,500		14,500			13,000	(4)
34	Education and Public Outreach	2,911	4,900		4,900			5,775	(5)
35	Public Communications	692	3,000		3,000			3,000	
36	Erosion/Sediment (Channel Maintenance)	25,000	25,000		25,000			25,000	(6)
37	Long-Term Maint. (Flood Control Project)	25,000	25,000		25,000			25,000	(7)
38									
39	Subtotal	\$197,108	\$216,150		\$216,150			\$215,795	
40	TMDLS		0						
41	TMDL Studies	\$10,000	0		0			0	
42	TMDL Implementation							10,000	
43	Subtotal TMDL Studies	\$10,000	\$0		\$0			\$10,000	
44	GRAND TOTAL	\$467,519	\$474,150		\$474,150			\$724,045	
45	For Information (Administrative Account)								
46	Financial Information								
47	Audited fiscal year 2010 fund balance at January 31, 2011				\$337,951				
48	Expected income from assessments in 2011				\$434,150				
49	Expected interest income in 2011				\$300				
50	Expected income from project review fees				\$40,000				
51	Estimated funds available for fiscal year 2011				\$812,401				
52	Estimated expenditures for fiscal year 2011				\$474,150				
53	Estimated fund balance as of January 31, 2012				\$338,251				
54									
55	2012 Budget								
56	Proposed 2012 Capital Projects				\$998,000				
57	Proposed 2012 Operating Budget				\$724,045				
58	Proposed total 2012 Budget				\$1,722,045				
59	2012 Assessments and Fees								
60	2012 Operating Budget				\$724,045				
61	Estimated 2012 permit fees (80% of permit expenditures)				\$48,000				
62	Transfer from Long-term Maintenance Fund for XP-SWMM Model				\$70,000				
63	Transfer from Long-term Maintenance Fund for P8 Model				\$135,000				
64	Use of TMDL Studies Fund				\$10,000				
65	Assessment proposed for 2012 Operating Budget				\$461,045				
66	Proposed Budget Reserve on January 31, 2012				\$338,251				
67									
68									
69	(1) Review municipal local plan amendments and adjoining WMO plan amendments.								
70	(2) Review municipal comprehensive plan amendments.								
71	(3) Grant program for demonstrations and education								
72	(4) 2012 budget - CAMP (\$5,000); River Watch (\$2,000); WaterShed Partners (\$3,000); Metro Blooms (\$2,000); Blue Thumb (\$1,000). In 2011 WMWA projects and administration were combined into line item 34 -Education and Public Outreach.								
73	(5) 2012 budget includes brochures, factsheets, display materials, educational articles and WMWA administration and projects.								
74	(6) Will be transferred to Channel Maintenance Fund								
75	(7) Will be transferred to Long-Term Maintenance Fund								

Bassett Creek Watershed Management Commission
2012 Assessment
June 2011

Community	For Taxes Payable in 2011 Net Tax Capacity *	2010 Percent of Valuation	Current Area Watershed in Acres	Percent of Area	Average Percent	2009 Assessment	2010 Assessment	2011 Assessment	Proposed 2012 Assessment	Percent Increase 2011 to 2012
Crystal	\$7,417,300	5.73	1,264	5.09	5.41	\$449,874	\$414,150	\$434,161	\$461,046	6%
Golden Valley	\$30,145,030	23.29	6,615	26.63	24.96	\$112,052	\$103,256	\$109,230	\$115,080	5%
Medicine Lake	\$918,976	0.71	199	0.80	0.76	\$3,298	\$3,090	\$3,301	\$3,484	6%
Minneapolis	\$9,531,547	7.37	1,690	6.80	7.08	\$33,246	\$30,216	\$31,375	\$32,661	4%
Minnetonka	\$8,217,982	6.35	1,108	4.46	5.41	\$23,031	\$21,510	\$22,558	\$24,920	10%
New Hope	\$7,811,766	6.04	1,252	5.04	5.54	\$24,445	\$22,605	\$23,840	\$25,533	7%
Plymouth	\$56,865,614	43.94	11,618	46.77	45.35	\$206,093	\$188,453	\$196,201	\$209,101	7%
Robbinsdale	\$2,706,469	2.09	345	1.39	1.74	\$8,077	\$7,417	\$7,672	\$8,022	5%
St. Louis Park	\$5,796,381	4.48	752	3.03	3.75	\$16,565	\$15,472	\$16,541	\$17,303	5%
TOTAL	\$129,411,065	100.00	24,843	100.00	100.00	\$449,875	\$414,150	\$434,150	\$461,046	6%

* Information is certified amounts from the County.

Bassett Creek Water Management Commission

2012 Budget and Levy

June 2011

The Joint and Cooperative Agreement establishing the Bassett Creek Water Management Commission (BCWMC) sets forth the procedure required to adopt the annual budget. Article VIII, Subdivision 3, provides that each member agrees to contribute each year to a general fund to be used for administrative purposes and certain operating expenses. Half of the annual contribution of each member is based on assessed valuation of property within the watershed and the other half on the ratio of area of each member within the watershed to the total area of the Bassett Creek watershed. Subdivision 5 of Article VIII further provides: "On or before July 1 of each year, the Board shall adopt a detailed budget for the ensuing year and decide upon the total amount necessary for the general fund." Budget approval requires a two-thirds vote (six Commissioners). Further, the Secretary "shall certify the budget on or before July 1 to the clerk of each member governmental unit, together with a statement of the proportion of the budget to be provided by each member." Each of the nine members then has until August 1 to file an objection to the budget.

The 2012 budget was prepared by a Budget Committee consisting of Commissioner Linda Loomis (BCWMC Chair), Commissioner Ginny Black (BCWMC Vice Chair), Commissioner Michael Welch (Commission Treasurer), Commissioner Jim deLambert (Commission Secretary), and Commissioner Pauline Langsdorf (Education Committee representative), with assistance from Amy Herbert (Recorder), Geoff Nash (Administrator) and Sue Virnig (Deputy Treasurer).

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 on September 16, 2004. That plan includes a capital projects budget, which is funded by ad valorem taxes and has been amended to include channel restoration projects. Commission activities have focused on implementation of the Watershed Management Plan.

The proposed 2012 budget of \$724,045 was adopted by eight commissioners voting in favor of the budget at the BCWMC meeting on June 16, 2011. The proposed 2012 budget is enclosed. Specific items in the budget are discussed below.

1. **Engineering** services are budgeted at \$253,250 in 2012. Many of the individual items have remained the same from the 2011 budget. The following paragraphs summarize each of the Engineering budget items.
 - **Technical Services**—this item covers the day-to-day technical services performed on behalf of the Commission, such as preparing for the Commission and Technical Advisory Committee (TAC) meetings, performing preliminary site reviews and correspondence, and communications with the Commissioners, watershed communities, developers, agencies, and other entities. The proposed 2012 budget is \$120,000.
 - **Plat Reviews**—at its December 15, 2005, meeting, the BCWMC instated a permit fee effective January 1, 2006, and revised as of January 1, 2009, to cover the expense of reviewing development plans and improvement projects. Assuming permit fees are raised to cover the costs of assessing the water quality impacts of proposed projects, the projected revenues will be higher. The proposed 2012 budget for plat reviews is \$60,000, which will largely be offset by permit fees. These expected permit fees are shown in the 2012 budget under "2012 Assessments and Fees;" it is estimated that the BCWMC will receive \$40,000 in permit fees in 2012.

- Commission and TAC Meetings—this item covers the cost for the engineer to attend 12 monthly Commission meetings and 7 monthly TAC meetings. The proposed budget for 2012 is \$14,250.
- Surveys and Studies—the proposed budget for 2012 is \$10,000. The 2011 budget was \$20,000. The intent of this budget item is to cover the costs of conducting special studies, and addressing unanticipated issues, questions, etc. that arise during the year.
- Water Quality/Monitoring—the proposed budget for 2012 is \$20,000, which includes performing biotic index monitoring on Bassett Creek, as part of the BCWMC's three-year monitoring cycle for this type of monitoring. During 1980, 1983, 1991, 1995, 2000, 2003, 2006 and 2009, 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. The same sites will be monitored in 2012. Hilsenhoff's Biotic Index (HBI) and the MPCA's IBI will be used to evaluate existing water quality and to assess changes. Water quality monitoring on Twin Lake and/or Sweeney Lake is also included. A final report will be prepared summarizing the results.

This task also includes finalizing the 2011 water quality report, and other general water quality tasks, such as reviewing water quality information and previous studies as requested by the BCWMC, member cities, or regulatory agencies.

Note: According to the BCWMC's four-year lake monitoring cycle, detailed lake monitoring of Sweeney and Twin Lakes should take place in 2012. However, detailed monitoring was performed on Sweeney and Twin Lakes in 2008 and 2009. This means the monitoring could be delayed to 2013 to keep with the four-year monitoring cycle. The TAC recommended delaying the monitoring even later, to 2014, so that the data is available for the TMDL evaluation report, which will be due in 2016. The 2012 budget includes only \$4,000 for monitoring Sweeney and/or Twin Lakes, not include the full \$30,000 estimated for that monitoring.

- Water Quantity—this item covers the work associated with the BCWMC's lake and stream gauging program. The proposed budget for 2012 is \$11,000, the same as the 2011 budget. The readings have proved valuable to the communities for planning future development and as documentation of the response of surface water bodies to above normal and below normal precipitation.
 - The 2012 lake gauging program will consist of measuring water levels on Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), and Northwood Lake. The Bassett Creek Park Pond and Wirth Park storage areas will also be included for monitoring. Two readings per month will be taken during the period April 1, 2012 through September 30, 2012. One reading per month will be taken during the period October 1, 2012 through March 31, 2013.
 - The 2012 stream gauging program will consist of periodically reading stages, or gauging the stream, at the new tunnel entrance, at the Theodore Wirth Park/T.H. 55 outlet structure, at Highway 100 (main stem), at Wisconsin Avenue, at Sweeney Lake, at Medicine Lake outlet, at Winnetka Avenue (north branch), at 26th Avenue (Plymouth Creek fish barrier), and at other selected locations during periods of high flow.
 - The program also includes periodic surveys of benchmarks to ensure consistency with past readings.
- Inspections—there are two separate budget items under this task:

- Watershed Inspections—this item covers the BCWMC's construction site erosion control inspection program. The proposed budget for 2012 is \$7,000; permit fees offset a portion of the watershed inspection cost. The inspections are valuable for identifying and correcting erosion and sediment control practices that do not conform to BCWMC policies. The inspections also verify that sites are developed in accordance with approved plans. The watershed inspection program consists of inspecting active construction sites in the watershed once every month. Erosion control inspections will begin April 2012 and extend through October 2012. Selected sites may be inspected on two-week intervals to verify that requested erosion control modifications have been completed. Critical work such as wetland or creek crossings and work adjacent to lakes and sensitive wetlands will be inspected as necessary. The new conduit inlet in Minneapolis will also be inspected for accumulation of debris. BCWMC staff will coordinate the inspection with respective contacts from each city. Following each inspection, and where site improvements are required, a letter listing the construction projects and the improvements needed for effective erosion control will be sent to each city.
- Project Inspections—this item covers the BCWMC's annual inspection of the flood control project system. The proposed budget for 2012 is \$9,000 (\$10,000 in 2011). The inspection program covers the flood control project features completed by the Commission between 1974 and 1996. The objective of the inspection program is to find and address erosion, settlement, sedimentation, and structural issues. In accordance with the Bassett Creek Flood Control Project Operation and Maintenance Manual (except as noted), the following project features require annual inspection:

Minneapolis:

- Conduit (Double Box Culvert) – inspect double box culvert every five years (2004, 2009, 2014, 2019 ...)
- Deep Tunnel – dewater and inspect tunnel every 20 years. This inspection was performed during 2008; the next inspection will be 2028
- Old Tunnel (not included in BCWMC inspection program)
- Open Channel

Golden Valley

- Highway 55 Control Structure & Ponding Area
- Golden Valley Country Club Embankment (Box Culvert, Overflow Weir, and downstream channel)
- Noble Avenue Crossing
- Regent Avenue Crossing
- Westbrook Road Crossing
- Wisconsin Avenue Crossing
- Minnaqua Drive Bridge Removal

Crystal

- Box Culvert and Channel Improvements (Markwood Area)
- Edgewood Embankment with Ponding
- Highway 100/Bassett Creek Park Pond

- 32nd Avenue Crossing
- Brunswick Avenue Crossing
- 34th Avenue Crossing
- Douglas Drive Crossing
- Georgia Avenue Crossing
- 36th-Hampshire Avenue Crossing
- Channel Improvements

Plymouth

- Medicine Lake Outlet Structure
 - Plymouth Fish Barrier
- Municipal Plan Review—this item covers the cost to review the member cities local water management plans for conformance with the BCWMC Watershed Management Plan. All of the member cities have BCWMC-approved plans in place. It also covers the cost to review adjoining WMO plans/plan amendments. The proposed budget for 2012 is \$2,000. These funds are budgeted to cover expenses that may be incurred reviewing member cities' local plan amendments and adjoining WMO plan amendments.

2. Planning

- Watershed-wide XP-SWMM Model—this item covers the cost to update the current Bassett Creek 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 is a more powerful and user-friendly model that incorporates both hydrology and hydraulics and deals effectively with issues like backwater and more complex outlet structures.

An updated H & H XPSWMM 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. For example, it could be used to evaluate the impact of modifications similar to the Sweeney Lake outlet modification, the Wisconsin Avenue control structure modification, and the Wirth Lake outlet modification. 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).

The work includes creating an XP-SWMM model for the areas currently modeled in HEC-1 and HEC-2, and then merging the new model with the areas already modeled in XP-SWMM. This will create one comprehensive XP-SWMM model for the entire Bassett Creek Watershed. This task includes updating the watersheds and hydrology inputs for inclusion into XP-SWMM. Because of how the model simulates outlets at ponds and lakes, each pond or lake outlet will need to be checked and recalculated as part of this task. This task does not include checking if bridge or culvert geometry along the creek has changed since previous modeling efforts. The XP-SWMM model will also be calibrated to known storm events.

The proposed 2012 budget for this project is \$70,000. Source of funds: Flood Control Long-term Maintenance Fund. This would mean that this amount would not appear on the 2012 assessment for operating expenses.

- **Watershed-wide P8 Water Quality Model**—this item covers the cost to update the current Bassett Creek 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.

The work includes two major tasks: 1) updating the P8 model and 2) calibrating and further refining the modeling. This work includes updating the P8 model for the Main Stem, North Branch (Lost Lake, Northwood Lake, and Bassett Creek Park Pond), Parkers Lake, Westwood Lake, and Grimes, North Rice and South Rice Ponds major subwatersheds.

The proposed 2012 budget for this project is \$135,000; a significant portion of this budget is for field surveys. Source of funds: Flood Control Long-term Maintenance Fund.

- **Next Generation Plan**—For the 2012 fiscal year, it is recommended that the Commission begin the planning process for the “next generation” of the Watershed Management Plan. Starting the process in 2012 will help ensure that the Plan obtains Minnesota Board of Water and Soil Resources (BWSR) approval before the current plan expires (September 2014 – 10 years from the date of BWSR approval). The plan update planning process, including planning steps recommended for 2012, is shown on the attached planning process flowchart. The proposed planning process takes into consideration the proposed changes to BWSR’s 8410 Rules, which dictate the watershed plan content and the process to be followed for developing the watershed plan.

Steps C through H and part of Step I are proposed to be completed in 2012. The steps are described below:

Step C. Notify plan stakeholders of plan initiation and request information. This step is a result of the anticipated 8410 rule changes. Plan stakeholders include all plan review agencies (BWSR, Met Council, DNR, MPCA, MN Department of Health, and MN Dept of Agriculture), as well as other jurisdictions, including member cities, Hennepin County, Hennepin Conservation District, and MnDOT. During this step, these stakeholders are to provide information on water resources, issues and key regulations that should inform the planning process. Stakeholders have 60 days to provide this information. (February-March)

Step D. Review and summarize responses from plan stakeholders (March - April).

Step E. Visioning process – review BCWMC’s achievements, perform gaps analysis, review WMO/member roles and responsibilities, survey members to identify activities

and needs, and create/refine organizational vision. This step includes two to three meetings of the Commission. (May - July)

Step F. Form Planning Advisory Group (PAG). The PAG will include Commissioners and Alternates, the TAC (and other city staff as appropriate), Commission staff, the plan review agencies (BWSR, Met Council, DNR, MPCA, MN Department of Health, and MN Dept of Agriculture), Hennepin County, Hennepin Conservation District, and citizens. Task includes coordinating recruitment and preparing recruitment materials to attract participants. (July - August)

Step G. Initial planning meeting to identify and prioritize issues. Meeting participants will include the PAG and other plan stakeholders. Issues identified by the TAC and Commission in 2011 will be presented and discussed at this meeting. This step is required per the anticipated 8410 rule changes; however, it is a normal (although currently not required) step in the plan update process. The draft 8410 rules also dictate that the plan stakeholders be invited to the meeting. (September)

Step H. PAG meeting to establish goals/policies that address priority issues. This step will also include a review of existing goals and policies that are relevant to the priority issues. (November)

Step I. Revise Plan sections and hold four (4) PAG meetings. To stay on schedule, the plan revision task needs to begin in January 2013, the last month of the BCWMC's 2012 fiscal year. In January, the land and water resource inventory and other background/introductory information sections will be revised/drafted. (January 2013 – July 2013 (entire step))

The proposed 2012 budget for this project is \$40,000; work on the plan will continue through 2013 and into 2014.

3. **Administrator**—this was a new budget item in 2008. In 2010 the commission entered a contract with an administrator to coordinate all commission activities, with a focus on working with member cities, the Minnesota Department of Transportation, Hennepin County and other stakeholders to implement total maximum daily load plans; development and organization of commission policies; communications; and strategic planning. The administrator budget item was \$15,000 in 2010, as the commission completed an analysis of its systems and functions, and worked on carefully defining a role for an administrator. The actual amount spent in 2010 was \$30,297. The budget in 2012 is \$50,000, an increase from \$36,000 in 2011. As of the end of April 2011, \$14,412 had been invoiced. The Commission, at the time of adoption of the 2011 budget, had begun honing the scope of duties for the administrator and appropriately shifting tasks among its contracted service providers. The commission anticipates that administrator tasks will be well defined at the outset of the 2011 budget year, and that operational efficiencies will balance costs of expanding the administrator's scope of duties.
4. **Legal**—this item covers basic legal services, which are budgeted at \$18,500 for 2012, remaining at the same level as 2011.
5. **Financial Management**—this item covers services provided by the Deputy Treasurer at the City of Golden Valley, which are budgeted for \$3,045 in 2012, an increase of 1.5% over last year.
6. **Liability Insurance, Auditing and Bonding**—this item is budgeted at \$15,225 for 2012, an increase of 1.5% over last year.
7. **Meeting Catering**—this item is budgeted for \$2,750 in 2012, a decrease from \$4,750 in 2011.
8. **Administrative Services**—this item covers administrative, secretarial, and recorder services. The Administrative Services budget is \$40,000 for 2011, a decrease from \$45,000 in 2011.

9. **Public Relations & Outreach**—there are two separate budget items under this task:
- Publications/Annual Report—\$2,000 is budgeted in 2012 for preparing the BCWMC's 2011 annual report, the same as last year.
 - Website—\$2,500 is budgeted in 2012 for maintaining, updating, and making improvements to the BCWMC website, a decrease from \$4,500 in 2011.
10. **WOMP**—\$10,000 is budgeted for 2012, which covers the BCWMC's costs related to the Watershed Outlet Monitoring Program (WOMP) station on Bassett Creek. The Minneapolis Park and Recreation Board has been running the WOMP station for the last several years in a cooperative effort with Metropolitan Council Environmental Services. The MPRB handles the sample and data collection tasks, MCES performs maintenance, and Barr provides assistance with the rating curve and flow monitoring. The 2012 budget includes \$5,000 for MPRB to operate the WOMP station.
11. **Demonstration/Education Grants**— this item is the BCWMC grant program, which is managed by the Education Committee; funding for this item has been eliminated in 2012. The 2011 budget for this item was \$5,000.
12. **Watershed Education Partnerships**— the 2012 budget for this item is \$13,000, which includes participation in the Metropolitan Council's Citizen Assisted Monitoring Program (CAMP; \$5,000), the Hennepin Conservation District River Watch Program (\$2,000), Metro WaterShed Partners (\$3,000), the Blue Thumb program (\$1,000), and the Metro Blooms Rain Garden program (\$2,000). The 2011 budget for this item was \$14,500.
13. **Education and Public Outreach**—the 2012 budget for this item is \$5,775, which includes event space costs (\$200), display maintenance and posters (\$400), water quality survey & quiz (\$75), seed packets and handouts (\$700), develop and distribute watershed coloring book (\$500), watershed coloring contest in 3 age groups (\$300), educational articles (\$600), and WMWA administration and projects (\$3,000). The 2011 budget for this item was \$4,900.
14. **Public Communications**—the 2012 budget for this item is \$3,000 and covers costs related to the publication of hearing and special meeting notices in newspapers and journals and the publication and distribution of other required communications that are separate from the Web site or education and public outreach communications. The 2011 budget for this item was \$3,000.
15. **Erosion/Sediment (Channel Maintenance)**—these funds are for creek and streambank erosion repair and sediment removal projects that are not funded as a channel restoration project through the BCWMC's Capital Improvement Program. The amount budgeted for collection in 2012 is \$25,000, the same amount as in 2011. The money collected goes into the BCWMC's Creek and Streambank Trunk System Maintenance, Repair and Sediment Removal Fund (the Channel Maintenance Fund). There is currently \$158,000 in the Channel Maintenance Fund; to-date about \$42,000 of the fund has been used on channel maintenance projects.

The BCWMC Watershed Management Plan (Section 7.2.2) calls for the BCWMC to use the Creek and Streambank Trunk System Maintenance, Repair and Sediment Removal Fund to finance the:

- Maintenance and repairs needed to restore a creek or streambank area to the designed flow rate.
- Work needed to restore a creek or streambank area that has either resulted in damage to a structure, or where structural damage is imminent, based on an assessment of benefits.

- Portion of a project that provides BCWMC benefits, including reduced potential for flooding, mitigation of water quality impairment, or minimizing the potential for water quality impairment.
 - BCWMC's share of maintenance projects to be applied for by the cities that have a regional benefit, or to partially fund smaller, localized projects that cities wish to undertake.
16. **Long-Term Maintenance (Flood Control Project)**—these funds are for projects to repair and maintain structures associated with the BCWMC Flood Control Project. The BCWMC Plan calls for annual assessments of \$25,000 to the fund, and for the fund balance to be maintained at (but not exceed) \$1 million. The current fund balance is about \$510,000, which takes into account the funding of the \$250,000 Sweeney Lake outlet project. The proposed 2012 budget/assessment is \$25,000, the same as 2011.

17. TMDLs

- **TMDL Studies**—the TMDL budget was set up to fund the BCWMC's costs for participating in the Medicine Lake, Sweeney Lake and Wirth Lake TMDL studies. The TMDL Studies fund is currently at \$22,000. No TMDL studies are scheduled for the next several years. It is recommended that the remaining funds in the TMDL studies account be used to pay the costs of TMDL implementation reporting (see next item).

There is no proposed 2012 budget for TMDL studies.

- **TMDL Implementation Reporting**—For the 2012 fiscal year, it is recommended that the Commission set aside funding to cover the costs associated with the BCWMC's role in tracking the implementation of the Medicine Lake, Sweeney Lake and Wirth Lake TMDLs. 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. The EPA approved the Wirth Lake TMDL on October 25, 2010 and the Medicine Lake TMDL on February 8, 2011. The Sweeney Lake TMDL is expected to be approved later in 2011.

In general, the Commission's role would be to monitor implementation of the TMDLs. This role would likely include the following tasks:

- Report on TMDL implementation activities to the MPCA. Formal reports will be due every five years, and annual reports will be needed by the MS4s to meet their reporting requirements. The MPCA has indicated that this type of reporting would include tracking installation/construction of BMPs, and implementation of activities. The report must also provide a short description of an adaptive management strategy for meeting the wasteload allocations.

For the first year of reporting, the report format will need to be developed. The data from the cities will need to be collected and entered into the report form. Five years after TMDL approval, a report must be prepared regarding the effectiveness of the implementation efforts on lake water quality. In addition to the information included in the annual reports, the five year assessment report (assume to be 2016 for all three lakes) should include trend analyses of the lake data, inflow monitoring data, an estimate of the reductions in phosphorus loading (from P8 modeling and/or monitoring data), and implementation strategy recommendations for the next five years. Possible recommendations could include changes to the water quality monitoring program for the lakes and/or inflows and changes to the potential management measures to reduce watershed and/or internal phosphorous loads.

Lake water quality monitoring data should be collected for one or two years prior to the preparation of the five year assessment reports. The Minneapolis Park and Recreation Board (MPRB) conducts annual monitoring of Wirth Lake, and Three Rivers Park District (TRPD) conducts annual monitoring of Medicine Lake. The MPRB and TRPD monitoring programs are similar to the monitoring performed by the Commission. Assuming that the MPRB and TRPD continue their monitoring of Wirth and Medicine Lakes, the Commission will need to take responsibility for monitoring Sweeney Lake. For Sweeney Lake, the completed and to-be-updated P8 modeling should be adequate for the five year assessment report. This means monitoring of inflows to the lake should not be necessary until the ten year assessment. In anticipation of the ten year assessment, the Commission should consider monitoring the inflows to Sweeney Lake in years eight and nine. The TRPD also conducts monitoring of inflows to Medicine Lake on a regular basis. Assuming that the TRPD continues their inflow monitoring for Medicine Lake (and it occurs at the right time), the Commission will be able to use this information in the five year assessment report. With implementation of the Wirth Lake outlet modification project in 2012, lake water quality monitoring data may show that the lake is meeting water quality criteria within the first five years of TMDL implementation. Therefore, the Commission should not need to monitor inflows to Wirth Lake.

Estimated cost: less than \$10,000

- o Estimate and report progress towards achieving the assigned wasteload allocations. The watershed P8 model, slated for completion in 2012, will be an essential tool for estimating reductions in phosphorus loading. The additional fee proposed for Commission review of projects will cover the costs for updating the P8 model to include BMPs constructed/installed as part of Commission-reviewed projects. However, there will be additional BMPs constructed/installed that are not part of a Commission-reviewed project. The reduction in phosphorus loading for these BMPs should also be estimated, but this will require additional funding from the Commission. Beginning in 2013, the P8 model should be updated every year that new BMPs are constructed/installed, and the model results should be analyzed to understand the impacts of the BMPs on phosphorus loading. When available, this analysis should include a comparison of flow and runoff monitoring data to the P8 model results.

Estimated cost: \$0 – included in 2012 cost of proposed P8 modeling

- o Lake water quality monitoring. Annual monitoring (at least CAMP monitoring) of lake water quality for Medicine, Sweeney and Wirth Lakes should occur. As noted above, the MPRB conducts annual monitoring of Wirth Lake, and the TRPD conducts annual monitoring of Medicine Lake, along with regular monitoring of inflows to Medicine Lake. It will be important for the Commission to coordinate with the MPRB and the TRPD to ensure that Wirth and Medicine Lakes continue to be monitored, either by MPRB/ TRPD, or by the Commission, should MPRB and/or TRPD decide not to perform the monitoring.

Estimated cost: \$0 – included in Commission's water quality monitoring program (except Wirth Lake is assumed to continue to be monitored by MPRB).

The proposed 2012 budget for TMDL Implementation Reporting is less than \$10,000.

18. **Proposed 2012 Capital Projects**—For 2012, the capital projects to be paid through a Hennepin County tax levy include the 1) Main Stem restoration project (2012CR; Irving Avenue to Golden Valley Road, in Golden Valley and Minneapolis); estimated cost is \$856,000; 2) Wirth Lake outlet modification project; estimated cost is \$180,000, and 3) Schaper Park feasibility study (underway in 2011); cost is \$37,000. The total estimated cost of these 2012 projects is \$1,073,000. For the 2012 projects, it is proposed that \$998,000 be assessed for 2012. The proposed assessment reflects the Commission's receipt in 2011 of a \$75,000 grant award for the

Wirth Lake outlet modification project from the Clean Water Legacy Fund, through the Board of Water and Soil Resources.

The Sweeney Lake outlet replacement is another capital project that will be constructed in 2011 or 2012. This \$250,000 project is to be paid using existing funds in the Flood Control Long Term Maintenance fund.

At its June 16, 2011 meeting, the BCWMC Commissioners also considered the assessment on the cities. The 2012 assessment was adopted by eight commissioners voting in favor to levy \$461,045 for the 2012 fiscal year, as compared with the \$434,150 for 2011 adopted in 2010, based on the following:

Funding Needs:

2012 Administrative Budget.....\$724,045

Funding Source:

2012 Assessment.....\$461,045

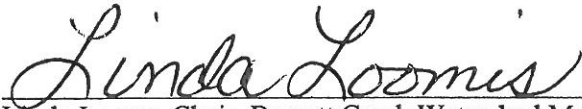
Transfer from BCWMC Flood Control Long-term Maintenance Fund\$205,000

Transfer from TMDL Fund.....\$10,000

2012 Estimated Permit Review Fees\$48,000

2012 Capital Projects Assessment (Hennepin County)\$998,000

The Bassett Creek Watershed Management Commission's 2012 Operating Budget and 2012 Assessment per community are enclosed.



Linda Loomis, Chair, Bassett Creek Watershed Management Commission

Enclosures: 2012 Operating Budget
2012 Assessment
Watershed Management Plan Timeline

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5G – Review 2012 Engineering & Planning Budget
BCWMC February 16, 2012 Meeting Agenda
Date: February 8, 2012
Project: 23270051 2012 003

5G. Review 2012 Engineering & Planning Budget

Recommendations:

- a. Approve the 2012 engineering & planning budget.
- b. Authorize engineering staff to perform WOMP support tasks as requested by Metropolitan Council and Minneapolis Parks and Recreation Board and assist with preparation of 2011 annual report.

Background

The proposed 2012 Commission budget of \$724,045 was adopted by the BCWMC at its June 16, 2011 meeting. Specific engineering items in the budget are discussed below.

1. **Engineering** services were initially budgeted at \$253,250 for 2012. The Engineering budget was reduced, compared to the 2011 budget. The following paragraphs summarize each of the Engineering budget items.
 - **Technical Services**—this item covers the day-to-day technical operations, such as preparing for the Commission and TAC meetings, performing preliminary site reviews and correspondence, and communications with the Commissioners, recording administrator, watershed communities, developers, agencies, and other entities. The proposed 2012 budget is \$120,000, which is \$10,000 higher than 2011, but the first increase since the 2008 budget. The proposed budget was based on preparation for seven TAC meetings and 12 Commission meetings during 2012. This budget was also prepared when the BCWMCs staff included an administrator. Following the administrators departure in September 2011, Barr was directed by the BCWMC to perform many of the administrator tasks. If Barr continues to perform these administrator tasks, or if additional TAC meetings are needed, it is likely that this budget will be exceeded.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5G – Review 2012 Engineering Budget
BCWMC February 16, 2012 Meeting Agenda
Date: February 8, 2012
Page: 2
Project: 23270051 2012 003

- Plat Reviews—the proposed 2012 budget for plat reviews is \$60,000, which are largely funded by permit fees. These expected permit fees are shown in the 2012 budget under “Estimated 2012 Permit Fees;” it is estimated that the BCWMC will receive \$40,000 in permit fees in 2012.
- Commission and TAC Meetings— this item covers the cost for the engineer to attend 12 monthly Commission meetings and seven TAC meetings. The proposed budget for 2012 is \$14,250. If additional TAC meetings are needed, it is likely that this budget will be exceeded.
- Surveys and Studies—the proposed budget for 2012 is \$10,000. The 2011 budget was \$20,000. The intent of this budget item is to cover the costs of conducting special studies, and addressing unanticipated issues, questions, etc. that can arise during the year.
- Water Quality/Monitoring—for 2012, this \$20,000 budget item includes performing biotic index monitoring on Bassett Creek, as part of the BCWMC’s three-year monitoring cycle for this type of monitoring. During 1980, 1983, 1991, 1995, 2000, 2003, 2006 and 2009, 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. The same sites will be monitored in 2012. Hilsenhoff’s Biotic Index (HBI) and the MPCA’s IBI will be used to evaluate existing water quality and to assess changes. Water quality monitoring on Twin Lake and/or Sweeney Lake is also included. A final report will be prepared summarizing the results. The budget also includes finalizing 2011 water quality reports and other general water quality tasks as requested by the BCMWC, member cities, or regulatory agencies.

Note: According to the BCWMC’s four-year lake monitoring cycle, detailed lake monitoring of Sweeney and Twin Lakes should take place in 2012. However, detailed monitoring was performed on Sweeney and Twin Lakes in 2008 and 2009. This means the monitoring could be delayed to 2013 to keep with the four-year monitoring cycle. The TAC recommended delaying the monitoring even later, to 2014, so that the data is available for the TMDL evaluation report, which will be due in 2016.

- Water Quantity—this item covers the work associated with the BCWMC’s lake and stream gauging program. The proposed budget for 2012 is \$11,000 (the same since 2009). The program also includes periodic surveys of benchmarks to ensure consistency with past readings.
- Inspections—there are two separate budget items under this task:
 - Watershed Inspections—this item covers the BCWMC’s construction site erosion control inspection program. The proposed budget for 2012 is \$7,000; permit fees offset a portion of the watershed inspection cost.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5G – Review 2012 Engineering Budget
BCWMC February 16, 2012 Meeting Agenda
Date: February 8, 2012
Page: 3
Project: 23270051 2012 003

- o Project Inspections—this item covers the BCWMC’s annual inspection of the flood control project system. The proposed budget for 2012 is \$9,000. The 2011 budget was \$10,000, but the inspections were cancelled in 2011 as a cost-savings measure.
 - Municipal Plan Review—this item covers the cost to review the member cities local water management plans for conformance with the BCWMC Watershed Management Plan. It was anticipated that all member cities would have BCWMC-approved plans in place by the end of 2010. The proposed budget for 2012 is \$2,000, which will cover the costs to review member cities’ local plan amendments or adjacent WMO plan amendments.
2. **Planning** services were budgeted at \$245,000 for 2012. The following paragraphs summarize each of the Planning budget items.
- Watershed-wide XP-SWMM Model—the proposed budget for this task is \$70,000. This task was approved at the January 2012 BCWMC meeting.
 - Watershed-wide P8 Water Quality Model—the proposed budget for this task is \$135,000. A significant portion of this budget is for field surveys. This task was approved at the January 2012 BCWMC meeting.
 - Next Generation Plan— the proposed budget for this task is \$40,000 and includes the start of the planning process. Work on the plan will continue through 2013 and 2014.
3. The budget for the spring 2012 preparation of the 2011 annual report (\$2,000) and for the Watershed Outlet Monitoring Program (WOMP) (\$10,000) are itemized separately under **Public Relations and Outreach**.
4. Budgets for **TMDLs** and **Capital Projects** are also tracked separately. The proposed budget for TMDL implementation is \$10,000 and includes tracking the implementation of the TMDL studies.

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 6B– Management Options for Twin Lake
BCWMC May 19, 2011 Meeting Agenda
Date: May 11, 2011
Project: 23/27-0051

6B. Management Options for Twin Lake

Recommended/requested Commission actions:

1. Consider authorizing the addition of a Twin Lake internal load reduction project to the Commission's capital improvement project (CIP) schedule. Consider setting a schedule for completing a feasibility study for a project that will reduce internal phosphorus loading of Twin Lake by treating bottom sediments with alum; estimated cost of the treatment is \$40,000 to \$60,000.

Background and Basis for Recommendation

Since 2005, Twin Lake water clarity has declined and phosphorus concentrations have significantly increased in the surface waters of the lake. An investigation was ordered by the Bassett Creek Watershed Management Commission to evaluate the cause of the declining water clarity. Study findings were reported in March 2011. The study concluded that internal phosphorus loading has increased in recent years, largely due to increased water temperature and greater oxygen depletion in the lake waters. Internal phosphorus loading is a process in which phosphorus is released from Twin Lake bottom sediments when oxygen is depleted. The study also noted that internal loading is occurring closer to the lake surface, allowing for phosphorus to reach the surface of the lake and cause algal blooms.

The study identified several treatment options that could reduce the internal phosphorus loads: sediment phosphorus inactivation, hypolimnetic withdrawal, biomanipulation, barley straw treatment, aeration and dredging. Based on the conceptual study the greatest water quality benefits would be obtained if the internal phosphorus load were reduced by treating the lake bottom sediments with alum.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 6B- Management Options for Twin Lake
BCWMC May 19, 2011 Meeting Agenda
Date: May 11, 2011
Page: 2

A comparison of Sweeney Lake and Twin Lake surface (0 – 2 meter composite sample) total phosphorus data collected in 2000, 2005, and 2008 provides evidence that there is only minimal exchange of water between Sweeney and Twin Lake. These data demonstrate that the water quality of Twin Lake is not impacted by Sweeney Lake during the open water season. An alum treatment in Twin Lake will not be adversely affected by phosphorus levels in Sweeney Lake and an alum treatment can be conducted prior to the completion of the Sweeney Lake TMDL implementation plan.

Because the Twin Lake watershed is small, the alum treatment longevity is expected to be greater than ten years and may last several decades. Half of the prescribed alum dose should be applied during one year and the other half should be applied in a subsequent year to avoid adversely affecting aquatic life and to maximize the lifespan of the treatment.

The alum treatment will reduce internal phosphorus loading, will reduce phosphorus levels in the surface water which will reduce algal growth, and it will increase lake clarity. It is possible that after alum treatment, Twin Lake water clarity will be significantly greater than clarity prior to 2005. This may cause aquatic plants to grow to greater depths and at greater density than has occurred in Twin Lake in the past. An aquatic plant survey from 2008 showed that the lake contains a diverse and native aquatic plant assemblage and that the lake is largely absent of any invasive aquatic plants with the exception of a small grouping of curlyleaf pondweed on the southeastern corner of the lake. It is expected that the aquatic plant species currently in the lake will be the same as after the alum treatment.

2010 Water Quality Monitoring Activities

- Medicine Lake
- Twin Lake

Keith Pilgrim
Barr Engineering
March 17, 2011



Twin Lake Internal Phosphorus Loading Special Investigation

Purpose of Study

*Identify reasons for recent
increases in nutrients and
algae in Twin Lake*

Pertinent Twin Lake Characteristics

- Surface area: 21 acres (small)
- Maximum depth: 54 feet (quite deep)
- Average depth: 25.7
- Sheltered (protected from wind)
- Small, largely undeveloped watershed
- Connected to Sweeney Lake
- Strongly stratified
- Largely self contained, changes in water quality and biota due to internal (non-watershed) processes.



Pertinent Chemical and Biological Characteristics

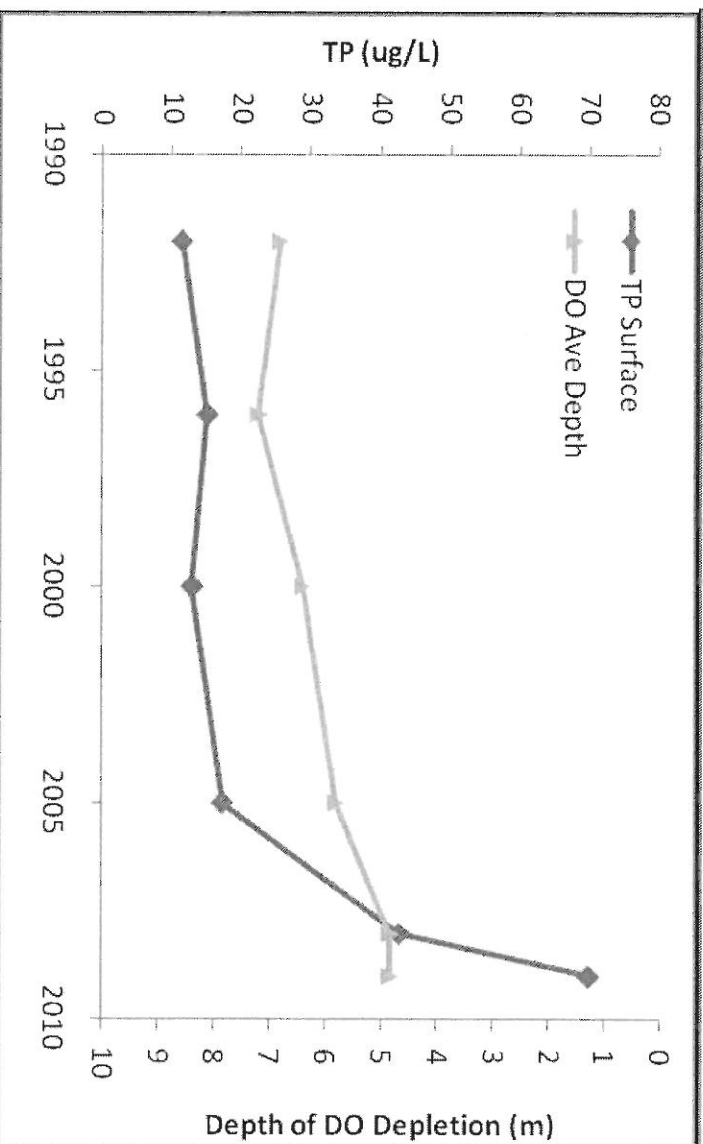
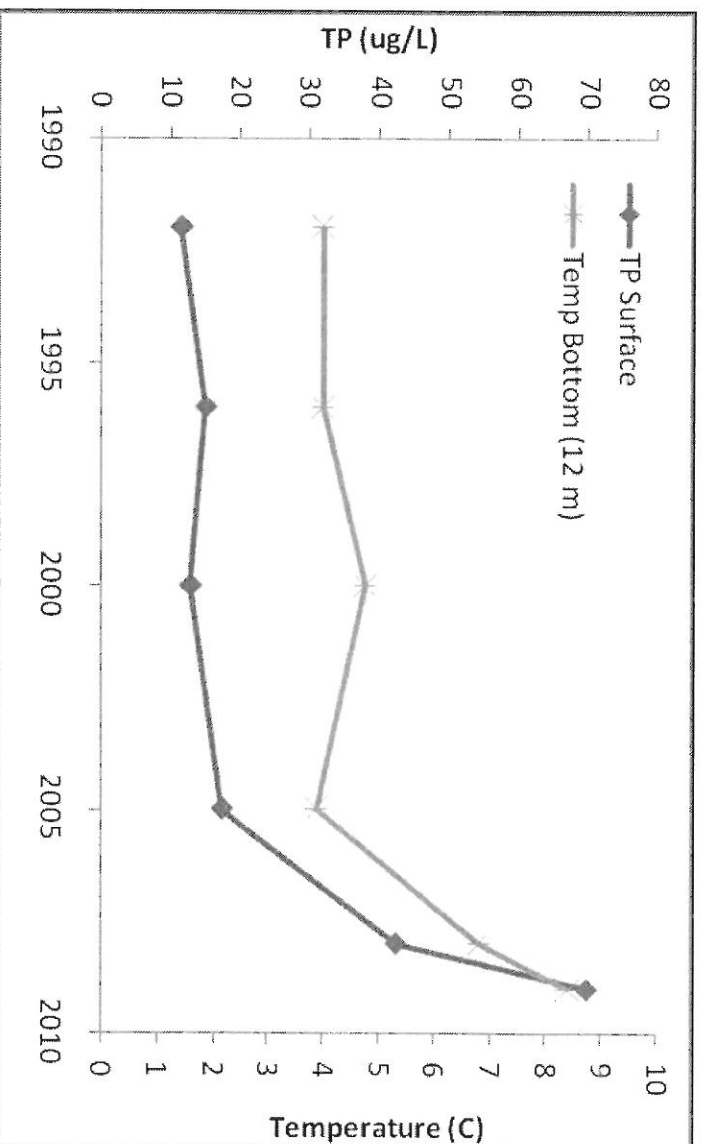
- Very low dissolved oxygen
 - Nearly permanently low at depths below 16 feet
- Very high rate of phosphorus loading from lake sediments (internal loading) during the summer and winter
- Phytoplankton population now dominated by blue-green algae (cyanobacteria)

What Is Affecting the Water Quality of Twin Lake?

- Lake sediments are permanently oxygen depleted
- Nearly all phosphorus deposited on sediment is re-released (nutrient cycling)
- Spring mixing=phosphorus transport to lake surface
- Fall mixing=phosphorus transport to lake surface
- Phytoplankton levels may be influenced by:
 - Zooplankton abundance
 - Blue green algae upward mobility

Why Has Phosphorus Increased in Recent Years...

The lake is warmer, oxygen is lower for more of the lake



Management Options for Internal Load Control

- Hypolimnetic withdrawal



Requires water inputs to replace water removed from lake bottom, several other drawbacks

- Sediment phosphorus inactivation



Relatively inexpensive, can be effective on a long term basis for lakes with small watersheds

Management Options for Internal Load Control

- **Biomaniipulation**



Innovative and natural way to control algae, appears to be occurring in Twin Lake already to some degree.

- **Barley straw**



Most often used for small lakes and ponds, can prevent algal growth in some cases, requires annual treatment.

- **Aeration**



Can increase oxygen in lake water, however, may not stop internal loading and may transport phosphorus to the lake surface for algal growth

Management Options for Internal Load Control

- Dredging → Can reduce internal loading,
primary drawback is high cost

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 6C – 2012 Golden Valley Pavement Management Plan (PMP): Golden Valley BCWMC February 16, 2012 Meeting Agenda
Date: February 7, 2012
Project: 23270051 2012 228

6C. 2012 Golden Valley Pavement Management Plan (PMP): Golden Valley

Summary

Proposed Work: Street reconstruction plan

Basis for Commission Review: Street reconstruction greater than 5 acres

Change in Impervious Surface: Decrease 0.74 acres

Recommendation: Conditional approval

General Background & Comments

A request was received for review of a street reconstruction project in the City of Golden Valley. The project includes excavation, grading, concrete curb and gutter, bituminous paving, storm sewer and sanitary sewer repair, water main replacement and the reconstruction of approximately 2.1 miles of residential streets. The project is located in the Sweeney Lake watershed and includes reconstruction of portions of Circle Down and Turners Crossroad (Area 1), King Hill Road and King Creek Road (Area 2), Welcome Avenue, Welcome Circle and Phoenix Street (Area 3), and Rhode Island Avenue North and Harold Avenue (Area 4).

Approximately 12.69 acres in the Bassett Creek watershed will be disturbed as a result of the project. The project will result in a 0.74 acre decrease of impervious surface from 6.07 acres to 5.33 acres, due to the narrowing of some streets and intersections. Construction is anticipated be completed during 2012.

Floodplain

Work along King Creek Road will be adjacent to the BCWMC floodplain, however no work will take place within the floodplain.

Wetlands

The City of Golden Valley is the Local Government Unit (LGU) responsible for review of the project for conformance to the MN Wetland Conservation Act.

Stormwater Management

Runoff from the majority of the project discharges through existing storm sewers eventually to Sweeny Lake, however a small portion of the project area discharges to the main stem of Bassett Creek. Area 1 discharges through two separate storm sewer systems to the north and continue along Turners Crossroads to the creek and Breck Pond. Area 2 will discharge through storm sewers to the southwest towards Lindsay Street.

The majority of Area 3 will discharge to the north to storm sewers under Glenwood Ave. Two catch basins are located along the southern edge of this area however, and runoff captured by these catch basins will discharge into the unnamed creek to the south which discharges to Sweeny Lake. Runoff bypassing these catch basins will continue down King Creek Road and discharge to the storm sewer under Glenwood Avenue.

Rhode Island Avenue North in Area 4 will discharge to the north to catch basins in the cul-de-sac, then continue to the north in a storm sewer towards Highway 55. The majority of Harold Ave in Area 4 will discharge to a storm sewer under Harold Ave, and then south to a storm sewer through Lions Club Park. The western-most portion of Harold Ave will discharge to the west under a storm sewer under Winnetka Avenue and is the only part of the four project areas that discharges to the main stem of Bassett Creek.

Water Quality Management

Permanent BMPs include construction of nine sump manholes, one in Area 1, one in Area 2, one in Area 3 and six in Area 4.

Erosion and Sediment Control

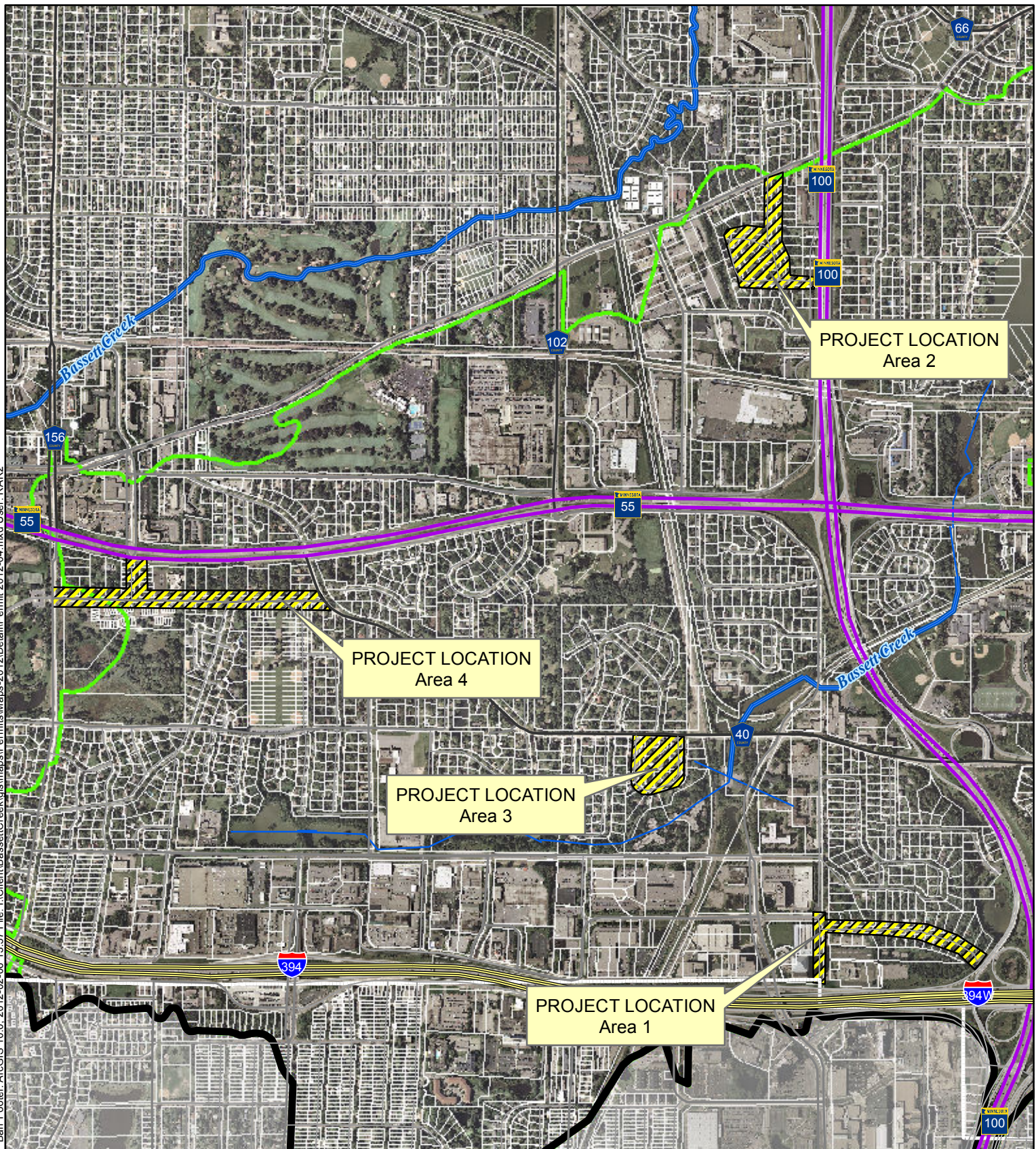
Temporary erosion control features to be implemented include silt fence, floatation silt curtain, and inlet protection. Daily street sweeping will be implemented as necessary during construction.

Recommendation

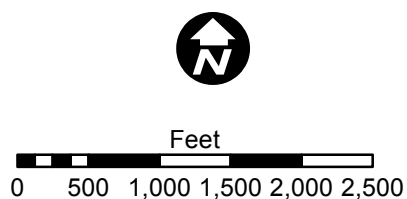
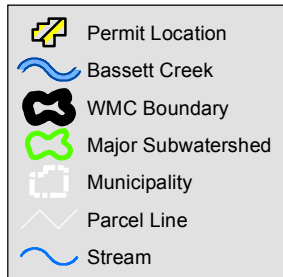
Approval based on the following conditions:

- a. Sheets S9 – S11: We recommend increasing the sump depth to four feet for improved performance. Sump manholes must be maintained and inspected at least twice a year. We also recommend the city consider installing SAFL Baffles at each sump for increased treatment efficiency.
- b. Sheet E4: Outlet pipes from King Creek Road must be extended so each invert discharges at or below the normal water level of the receiving wetland or water body. As an alternative, adequate erosion protection must be provided at the outlets to prevent erosion.
- c. Golden Valley is the LGU and is responsible for reviewing the project for conformance to the Minnesota Wetland Conservation Act.

Barr Footer: ArcGIS 10.0, 2012-02-06 13:57 File: I:\Client\BassettCreek\gis\maps\Permits\Maps 2012\Detail\Permit 2012-04.mxd User: RAR2



Imagery Source: Aerials Express, 2009



LOCATION MAP
APPLICATION 2011-04
2012 Pavement
Management Plan
Golden Valley, MN

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

RESOLUTION NO. 12-_____

A RESOLUTION APPROVING COOPERATIVE AGREEMENT
FOR BASSETT CREEK MAIN STEM RESTORATION

WHEREAS, by Resolution No. 11-09 adopted by the Commission on September 15, 2011, the Commission ordered the project referred to as restoration of Main Stem of Bassett Creek from Irving Avenue North in Minneapolis to Golden Valley Road in the City of Golden Valley (hereinafter the "Project"); and

WHEREAS, said resolution designated the City of Minneapolis as the member responsible for contracting for construction of the Project, and designating the City as engineer for preparation of plans and specifications; and

WHEREAS, the parties wish to execute a cooperative agreement for construction of the Project.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Bassett Creek Watershed Management Commission that the proposed cooperative agreement for construction of the Project is hereby approved and the Chair and Secretary are authorized and directed to execute the agreement on behalf of the Commission.

Adopted by the Board of Commission of the Bassett Creek Watershed Management Commission the _____ day of _____, 2011.

Chair

ATTEST:

Secretary

**COOPERATIVE AGREEMENT
FOR
BASSETT CREEK MAIN STEM RESTORATION**

This Agreement is made as of this ____ day of _____, 2011, by and between the Bassett Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the "Commission"), and the City of Minneapolis, a Minnesota municipal corporation (hereinafter the "City").

WITNESSETH:

WHEREAS, the Commission adopted the Bassett Creek Watershed Management Commission Watershed Management Plan on September 16, 2004 (the "Plan"), a watershed management plan within the meaning of Minn. Stat., § 103B.231; and

WHEREAS, the Plan, as amended, includes a capital improvement program ("CIP") that lists a number of water quality project capital improvements; and

WHEREAS, the water quality projects identified in the CIP include a stream bank restoration project described as the Restoration of the Main Stem of Bassett Creek from Irving Avenue North in Minneapolis to Golden Valley Road in the City of Golden Valley, as more fully described in the feasibility report for the Project prepared by Barr Engineering Company, entitled Feasibility Report for Bassett Creek Main Stem Restoration Project – Golden Valley Road to Irving Avenue North, which is attached and made a part hereof (the "Project"); and

WHEREAS, the Plan specifies that the Projects will be funded by a County tax levy under Minn. Stat., § 103B.251; and

WHEREAS, on September 15, 2011, the Commission adopted a resolution ordering the Project, directing that it be constructed by the City; and

WHEREAS, it is expected that Hennepin County will levy taxes throughout the watershed in 2011 for the Project for collection and settlement in 2012; and

WHEREAS, the City is willing to construct the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. The Project will consist of the stream bank restoration improvements from Irving Avenue North in Minneapolis to Golden Valley Road in Golden Valley.

2. The City will design the Project and prepare plans and specifications for construction of the Project. Plans and specifications, and any changes to such plans and specifications, are subject to approval by the Commission's consulting engineer.
3. The City will advertise for bids and award contracts in accordance with the requirements of law. The City will award the contract and supervise and administer the construction of the Project to assure that it is completed in accordance with plans and specifications. The City will require the contractor to provide all payment and performance bonds required by law. The City will require that the Commission be named as additional insured on all liability policies required by the City of the contractor. The City will require that the contractor defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed. The City will display a sign at the construction site stating "Paid for by the Taxpayers of the Bassett Creek Watershed".
4. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The Commission will reimburse One Hundred Seventy-Seven Thousand One Hundred One Dollars (\$177,101) of Project expenses from its Capital Improvement Program Closed Project Account. The Commission will use its best efforts to secure payment from the County in accordance with Minn. Stat., § 103B.251 in the amount of Six Hundred Seventy-Eight Thousand Eight Hundred Ninety-Nine Dollars (\$678,899) by tax levy in 2011 for collection in 2012. The total reimbursement will be up to Eight Hundred Fifty-Six Thousand Dollars (\$856,000).

Out-of-pocket costs related to the Project, incurred and paid by the Commission for publication of notices, securing County tax levy, preparation of contracts, review of proposed contract documents and administration of this contract shall be repaid from funds received in the tax settlement from Hennepin County. All funds in excess of such expenses are available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made as soon as funds are available provided a request for payment has been received from the City providing such detailed information as may be requested by the Commission to substantiate costs and expenses.

6. Reimbursement to the City will not exceed the amount specified above from the Capital Improvement Program Closed Project Account and the amount received from the County for the Project less any amounts retained by the Commission for Commission expenses. Reimbursement will not exceed the costs and expenses incurred by the City for the Project, less any amounts the City receives for the Project as grants from other sources. All costs of the Project incurred by the City in

excess of such reimbursement shall be borne by the City or secured by the City from other sources.

7. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission.
8. The City will secure all necessary local, state, or federal permits required for the construction of the Project and will not proceed with the Project until any required environmental review is completed. Upon completion of the Project, the City will assume responsibility for its maintenance.
9. The City will enter into an agreement with the City of Golden Valley, in the form attached hereto as Attachment Two, to address all issues related to the fact that the Project is located partially within the City of Golden Valley. Amendments to the agreement between the City and the City of Golden Valley must be approved by the Commission or the Commission's legal counsel.
10. This Agreement will be effective only upon execution by an authorized representative of the City of Golden Valley of an acknowledgment that the City of Golden Valley has received a copy of this Agreement and approves of its terms.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____

And by: _____
Its Secretary

CITY OF MINNEAPOLIS

By: _____
Its _____

And by: _____
Its _____

ACKNOWLEDGMENT AND APPROVAL

The undersigned, as a duly authorized representative of the City of Golden Valley, acknowledges receipt of a copy of this Agreement and approves of its terms.

CITY OF GOLDEN VALLEY

By: _____

Its: _____

**COOPERATIVE AGREEMENT
FOR
PREPARATION OF A FEASIBILITY REPORT FOR THE
NORTHWOOD LAKE PROJECT NL-2 - DREDGE POND NB-07**

This Agreement is made as of this ____ day of _____, 2012, by and between the Bassett Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the "Commission"), and the City of Plymouth, a Minnesota municipal corporation (hereinafter the "City").

WITNESSETH:

WHEREAS, the Commission adopted the Bassett Creek Watershed Management Commission Water Management Plan, July 2004 on September 16, 2004 (the "Plan"), a watershed management plan within the meaning of Minn. Stat. § 103B.231; and

WHEREAS, the Plan, as amended, includes in the Commission's Capital Improvement Program ("CIP") a Project referred to as Northwood Lake Project NL-2 – Dredge Pond NB-07 (the "Project"); and

WHEREAS, the Joint Powers Agreement for the Commission requires the preparation of a feasibility report for projects in its CIP; and

WHEREAS, the City is willing to prepare a feasibility report for the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. The Project will consist of the Northwood Lake Project NL-2 – Dredge Pond NB-07.
2. The City will prepare a feasibility report for the Project (the "Report") in accordance with the Request for Scope of Services attached as Attachment One.
3. The Commission will reimburse up to _____ Dollars (\$_____) of the cost of preparing the Report.
4. Reimbursement to the City will not exceed the amount specified in paragraph 3. Reimbursement will not exceed the costs and expenses incurred by the City for preparation of the Report, less any amounts the City receives for preparation of the Report as grants from other sources. All costs of preparing the Report incurred by the City in excess of such reimbursement shall be borne by the City or secured by the City from other sources.

5. All City books, records, documents, and accounting procedures related to the preparation of a Report are subject to examination by the Commission.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Its Chair

And by: _____
Its Secretary

CITY OF PLYMOUTH

By: _____
Its Mayor

And by: _____
Its Manager

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Agenda Item 7G – Next Generation Watershed Management Plan: Review of TAC-Identified Issues and Discuss Next Steps in the Planning Process
February 16, 2012 Meeting
Date: February 8, 2012
Project: 23270051 2012 403

7G. Next Generation Watershed Management Plan: Review of TAC-Identified Issues and Discuss Next Steps in the Planning Process

Recommendations:

1. Review TAC-identified next generation plan issues
2. Discuss next steps in the next generation planning process, including Commission identification of additional issues

Background

At the January 19, 2012 Commission meeting, the TAC recommended that all of the TAC-identified issues be compiled and provided to the Commission for their review and feedback at the February 16 Commission meeting. The TAC further recommended that the Commission identify any additional issues. The Commission decided to include the next generation plan issues on the agenda for the February 16 meeting, including a discussion regarding how to proceed with the planning process.

This memo summarizes the topical issues included in the five questionnaires completed by the BCWMC TAC between August 2010 and February 2012. The purpose of the questionnaires was to identify issues that should be included in the formal planning process for the next generation plan.

The time periods, topic areas and respondents for each of the four questionnaires include:

Questionnaire #1: 8/27/10 – 9/2/10

- Public education and involvement
- Erosion and sediment control

Respondents: Golden Valley, Minneapolis, MPRB, Minnetonka, New Hope, Plymouth and St. Louis Park

To: Bassett Creek Watershed Management Commission
Subject: Agenda Item 7G – Next Generation Watershed Management Plan: Review of TAC-Identified Issues and Discuss Next Steps in the Planning Process
February 16, 2012 Meeting
Date: February 8, 2012
Page: 2

Questionnaire #2: 10/18/10 – 10/27/10

- Flood and rate control
- Funding

Respondents: Golden Valley, Minneapolis, MPRB, Minnetonka, New Hope, Plymouth and St. Louis Park

Questionnaire #3: 11/30/10 – 12/6/10

- Groundwater
- Planning process
- Public ditches

Respondents: Golden Valley, Minnetonka and New Hope

Questionnaire #4: 1/18/11 – 1/28/11

- Public education and involvement
- Water quality
- Wetlands

Respondents: Golden Valley and Plymouth

Questionnaire #5: 12/21/11 – 2/6/12

- BCWMC/City evaluation, accountability and enforcement
- BCWMC/City responsibilities
- Other issues identified from TAC meetings since June 2010
- New issues raised by members in the survey

Respondents: Golden Valley, Medicine Lake (Commissioner Hoshal responded in the absence of their TAC member), Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale and St. Louis Park.

The following summary is organized by topic. At the end of each topic area, Barr's "take away" on the topic is stated in italics. Specific member responses are included in the attached tables. Table 1 includes the responses to Questionnaires 1 – 4 and Table 2 includes the responses to Questionnaire 5. Two tables were developed due to the different formats used in Questionnaires 1-4 and Questionnaire 5.

Public Education and Involvement (includes responses from Questionnaires #1 and #4)

Respondents felt that these programs are working. There seems to be some support among members for expanding these programs, subject to funding, especially to support the many new challenges facing the

organization. There are watershed-wide issues that affect many topic areas that could be addressed by additional public education efforts. Some suggestions for public education include:

- NPDES and Met Council load restrictions (now TMDL)
- Citizen concerns regarding the value of water quality studies vs. improvement projects
- Concerns of citizens living adjacent to lower priority water bodies

Some members felt that the BCWMC should take the lead on educational efforts, including developing materials that could meet the NPDES requirements of all members. Others felt that the cities should take the lead as they are the responsible party. In this situation, it was suggested that the BCWMC could establish performance benchmarks for evaluating member activities. Current levels of funding appear to be acceptable. It was also suggested that the plan address the criteria for and purpose of advisory groups and public information programs. Some respondents requested that member roles regarding public education and involvement be further clarified.

In general, it appears that there is an opportunity for a greater partnership between the BCWMC and members in developing educational programs and materials. Additional work is needed to identify the specific areas of public educational needs and how a greater partnership would work and be funded.

Erosion and Sediment Control

Respondents indicated that existing plan goals and policies remain sound and are supported by the individual city local water management plans. Responsibility for inspecting ongoing development projects is clear. However, some feel that there is duplication of erosion inspections on development projects where BCWMC is responsible for project review (both the city and BCWMC inspect). Others like this oversight by the Commission because it helps maintain consistency among all members.

One important change in this topic area includes clarifying responsibility for removing sediment deltas in Bassett Creek and in lakes. One member suggested that if deltas are related to CIP projects, creek restoration, or contribute to a flooding issue then they could be addressed by the Commission. Otherwise, cities should be responsible and use channel maintenance funds for delta removal. Additionally, the Minneapolis Park and Recreation Board and the City of Golden Valley requested that their roles and that of the BCWMC be clarified, especially in dealing with delta sedimentation.

The next generation plan should clarify roles and funding for addressing sediment deltas in Bassett Creek and in lakes. Reviewing the inspection function and responsibility for conducting erosion inspections may also be helpful.

Flood and Rate Control

Members are aware of localized flooding issues and feel these are individual city responsibilities. Members are also aware of intercommunity drainage issues. One member indicated that the JPA is a good starting point for dialogue between cities dealing with joint flooding concerns.

Modifications to existing flood control systems doesn't appear to be a high priority. Members indicated that current methods are working. However, the issue should be continuously reviewed and opportunities to incorporate flood control objectives with other projects should be monitored.

Members expressed concern about the difference between the BCWMC "management envelope" (flood levels) and FEMA flood elevations. One member indicated that there were significant variances between the two. In general, members felt that it was important to continue monitoring proposed changes to FEMA flood maps.

Members expressed divergent concerns regarding quantifiable goals and policies. Some feel local water management plans are adequate. Others feel that existing quantifiable goals should remain but be reviewed for applicability. Some members identified specific flooding issues that need resolution. One member referred to MPCA and volume control through infiltration and abstraction BMPS. Others were not clear on what quantifiable goals and policies meant and requested that the TAC clarify this issue.

The issue of stormwater quantity and quality impacts on recreation and wildlife was discussed by most respondents. Some indicated that this issue would be affected by TMDL implementation plans. Some would like to see the BCWMC CIP to include wildlife enhancements. Others want a better understanding of the issue. The MPRB was especially concerned with pollutant effects on biota and vegetation in and around the creek. It was suggested that greater monitoring of this issue was needed.

The City of Minneapolis requested that members consider the following three issues:

- Determine effectiveness of plan implementation over past five years and assess past priorities.
- Members should implement the BCWMC's development policies
- Determine whether rate control should be a BCWMC-required development policy

Clarifying quantifiable goals and policies will be an important task for the next generation plan. The relationship between volume control and water quality may need to be further described. Strengthening and or quantifying policies around volume control as it relates to flooding and water quality may need to be considered.

Funding

Respondents feel that current methods of funding capital improvement projects are working well. One member wanted more clarification around the issue of "structural solutions to problems that cannot be mitigated by regulatory programs or preventative programs." The ability to access outside sources of funds (private or public grant dollars) is working well. One member suggested pursuing constitutional amendment funds. Another indicated that the Commission should continue to research funding options for cities.

Members supported the idea of analyzing the financial impact that regulatory controls have on cities. Cities have limited funding to implement additional mandates. One member indicated that financial impact analyses used in TMDL implementation plans should continue.

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In general, existing methods of funding projects is satisfactory. The planning process could examine the financial impacts of proposed BCWMC policies on member cities.

Groundwater

Members felt that existing policies were adequate and that the best role for the Commission was to support existing agencies that are responsible for groundwater management. The key role of the Commission is to encourage responsible infiltration. One member suggested that the Commission review proposed discharges to surface waters for negative impacts (e.g. volume reduction requirements in non-degradation plans). Respondents indicated that more information was needed about the content of the Hennepin County Groundwater Plan.

The main issue is to review the content of the County Groundwater plan for implications on existing and potential new Commission policies.

Planning Process

Responses varied regarding better defining Commission and city responsibilities for plan implementation. One member felt that this was clear; if it is not an intercommunity issue then it is the city's responsibility. Another felt more clarification was needed. Here, responsibility depends on the issue and could vary among the Commission, the cities and residents.

Support for the development of quantifiable goals for all water management topics is unclear. Respondents seem comfortable with quantifiable goals when applied to water quality issues. One member indicated that quantifiable goals should be left to the TMDL process. Another indicated support for quantifiable goals but that they should consider specific water body conditions, be realistic and be based on public support. There was no mention of quantifiable goals being applied to other water management topics.

In terms of documenting and assessing water resource related problems, one member felt that these were individual city responsibilities. Another emphasized public processes to address these issues.

Respondents strongly support an annual review of the CIP.

Roles and responsibilities for plan implementation need clarification. This could be explored in individual water management topic issue analyses and be reflected in the implementation program. The planning process should also explore the meaning of and need for "quantifiable" goals for each water management topic. While the Commission currently conducts an annual review of the CIP, the plan could be revised to document this process.

Public Ditches

No significant issues were identified.

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Water Quality

Respondents felt that many of the water quality issues listed in the survey were already being addressed in other ways such as through TMDLs, non-degradation plans, NPDES permits and existing MPCA requirements.

Defining maintenance activities and responsibilities is one issue that needs more clarification according to one respondent. Another member indicated that new maintenance responsibilities should be discussed in terms of cost to the members.

Respondents offered divergent views on the issue of classifying streams based on physical and/or ecological criteria. One member said this does not appear to be an issue and another said this had been done by others. It's not clear that any stream classification using ecological criteria has been completed.

Respondents indicated that discussing quantifiable goals and policies was important in the planning process. Members stated that while quantifiable goals and policies exist, they have been ignored. One member suggested that the Commission assess whether specific plans exist to meet individual goals.

One member did not feel that expanding water quality monitoring in lakes and streams was a current issue due to TMDLs. However, members also indicated that developing water quality monitoring programs or partnerships with other agencies was important. TMDL studies will require on-going monitoring, and collaborating and organizing will be important for implementation.

Members felt that including a public land inventory to identify opportunities for BMP retrofits was the responsibility of individual cities. One member mentioned that Hennepin County has already completed an inventory.

An important part of the planning process should be to clarify how water quality issues are being managed and who or what process is responsible for addressing them. Additionally, the process should allocate specific time to discuss quantifiable water quality goals and policies and methods for achieving them. Regarding the classification of streams using ecological criteria, this will be addressed in future TMDLs. Since major reaches of the creek have been classified as impaired for biota, future TMDL implementation plans will classify reaches based on physical or ecological characteristics. Plan development should incorporate information from the public land inventory/survey completed by Hennepin County. The plan should also address maintenance responsibilities for water quality management facilities constructed as part of the commission's CIP. Water quality monitoring program and partnerships that build on the existing schedule of rotating monitoring efforts should also be explored.

Wetlands

Respondents indicated that quantifiable goals and policies as well as functional and values assessments are local issues.

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One respondent requested further clarification regarding the adequacy of existing regulatory controls and programs. Another indicated that existing controls are adequate and that water quality monitoring should be used to verify adequacy.

Respondents stated that identifying natural resource and wetland restoration/preservation sites should be funded by the Commission if they are listed in the next generation plan. Otherwise, this issue should remain a local responsibility.

There is some support for city adoption of requirements for wetland buffers. One city has done this already. Another member could support for new development only.

The main issue in this area is to include discussion in the planning process around the BCWMC's role regarding wetland issues. Additionally, support for stronger requirements for creating buffers during development activities should be assessed.

BCWMC/City Evaluation, Accountability and Enforcement

All respondents indicated support for quantifiable goals and policies for each plan topic area (e.g. water quality, recreation, wetlands, etc.). Some members stated that the goals and policies should be developed with the new MS4 requirements and TMDLs in mind. One member suggested the Commission develop and use specific metrics to help assess management efforts and for setting goals and policies.

All members support the BCWMC's role in monitoring the success of water quality and quantity management programs. The existing monitoring program is considered adequate but the TMDL component of water quality monitoring should be discussed further. A couple of members suggested developing a program to monitor the effectiveness of water quality and quantity BMPs.

There is some disagreement regarding the Commission's role concerning plat review and construction site inspections to verify that goals are being met. Some feel that this is a basic function of the BCWMC. Others stated that the individual cities should be solely responsible for project disturbances under one acre. One member emphasized that the WMC should not be involved in construction site inspections. Another member would like the Commission to inspect government road salt storage facilities. Those facilities with concentrated runoff should be flagged and, if corrections are not made, reported to the MPCA.

Members expressed divergent opinions concerning identifying enforcement procedures for violations of controls delegated to the cities by the Commission. Some suggested that enforcement procedures be formalized with reporting back to the BCWMC. Others stated that enforcement procedures are already included in city ordinances and that this current approach is working fine.

All members support identifying methods for measuring success and for revising strategies over time. Ideas vary on how this should be accomplished. One member suggested that the WMC look at developing a long-term schedule for reviewing future items, which could be done every two years before the CIP meeting. Another member stated that WMC programs for monitoring BMP success should be developed.

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Another re-iterated that success should be defined by meeting water quality goals and one suggested using decision management science tools for evaluating CIP strategies.

Members indicated support for an ongoing Technical Advisory Group (TAG), but expressed concern with additional layers of “advisory” management. One member stated that the TAG should be limited to local staff. Others felt that having three advisory groups (technical, citizen and policy) only made sense for new plan development, not for day-to-day Commission business. Others indicated that the Commission, being both citizens and policy makers, fulfills the roles of both citizen and policy advisory groups.

All members are very supportive of establishing responsibilities for monitoring and evaluation programs. One member stated that development and operation of these programs would be more effective and economical if operated by the WMC.

There is broad agreement that the members and the WMC work together to establish quantifiable goals and policies for each topic area and to monitor them for success. This is especially important to align WMC goals with those in the new MS4 permits and TMDLs. The key challenge will be in developing goals or metrics that can be cost effectively measured.

BCWMC/City Responsibilities

Most members felt that assessing the affects of growth and development identified in local comprehensive plans should remain a city land use issue. One member stated that (once developed) the BCWMC’s watershed models for water quality and flood control will provide this assessment. One respondent felt that growth and development metrics from local plans could be useful for assessing the Commission’s management efforts.

All members indicated that BMP assessments are covered in each city’s SWPPP. Involvement of the BCWMC in this activity was seen as duplication and not supported by most of the respondents. One member suggested that each city submit their annual SWPPP report to the WMC for review.

Members are satisfied with the existing approach to reviewing local controls and programs (e.g. those outlined in the city local water management plans). This review is currently conducted as part of the Commission’s review of local water management plans. Others stated that controls and programs are included in approved SWPPPs. One member stated that while uniformity of local controls should be a goal, local controls and programs are ultimately a local decision. It was suggested that the Commission track individual city controls and programs.

Most members do not support BCWMC review of the administrative and financial ability of members to adopt and enforce controls and programs (as outlined in the local water management plans). These reviews are done by the individual cities during their CIP reviews, local water management plan update processes and MS4 permitting processes. One member suggested that the Commission track local controls and programs, including expenditures, as another management metric.

Respondents feel that the current approach for determining responsible parties for streambank erosion and maintenance is working.

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Other than TMDL studies, most members feel that it is not the BCWMC's responsibility to implement NPDES Phase II requirements. One member suggested that the BCWMC could provide support and another suggested that the Commission create a tracking worksheet to document what cities are doing.

There appears to be some resistance to BCWMC identifying regulatory controls that the Commission delegates to the cities for enforcement. One member felt that this issue should be evaluated. Most felt that this was a local responsibility. There may be some confusion over the type of regulatory controls referred to in this issue. One member assumed that erosion controls were the issue and another mentioned stormwater controls. One member explicitly stated that more clarity was needed regarding who is responsible for what issue.

Efforts to clarify responsibilities in these areas will be useful. Most members are comfortable with the existing division of responsibilities between the cities and the Commission; there is little support for increasing responsibility and oversight by the Commission in these topic areas.

New Issues since June 2010

Members are generally open to discussing maintenance policies for flood control facilities during the plan update process. Some members indicated that existing policies are adequate but felt that they warrant discussion. Another member stated that major and routine maintenance should be defined. Another member felt that city maintenance will likely become more involved with the new MS4 permit. It was also suggested that the TAC recommendations for the seven maintenance issues (discussed at the March 18, 2010 Commission meeting) be formalized into policy.

Members suggested a number of policy ideas for addressing maintenance of water quality facilities that should be discussed during the plan update process. These include uniformity in pond dredging, buffer strips, algae growth control, vegetation management, contaminants of emerging concern, aquatic invasive species, groundwater interactions and structural repair. Responsibility and requirements of the new MS4 permit related to these issues should also be part of the discussion.

There is very little interest in implementing a water quality trading program that would support policy changes requiring no net increase in phosphorus. While one member expressed support, most cited the lack of market demand and administrative complexity for their lack of interest in this topic.

There are divergent opinions regarding the establishment of abstraction or infiltration requirements to address water quality concerns. On one side, members indicated that this is likely to be a requirement in the new MS4 permit and any BCWMC efforts would be premature and duplicative. Some felt that this requirement should be left to the discretion of the cities. Alternatively, some members are open to the idea depending on soil types. One felt that this should be a critical component in the Commission's effort to improve water quality.

All respondents feel that the current project review triggers are appropriate. Some are open to discussing this topic during the plan update process including guidance for smaller residential projects and installation of grit chambers. One member mentioned that review fees are too high.

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Members offered suggestions for criteria to be used in prioritizing CIP projects within the eight categories of projects. One member said priorities should remain flood control and water quality. Other criteria mentioned include best return on investment, compliance with TMDLs, condition of receiving water, cost, and number of cities benefitting. One member mentioned that the current collaborative process used by the BCWMC and the TAC works well and should continue to be used. One suggestion included the use of decision management science tools to prioritize CIP projects.

Of the new issues identified since June 2010, discussion of maintenance policies for flood control and water quality facilities should be included in the plan update. These items have a broad basis of support. Infiltration and abstraction requirements could also be discussed within the context of new MS4 permit requirements. This discussion could help the BCWMC align its water quality goals with MPCA/MS4 goals.

New Issues Identified in Survey

Four new issues were raised by members in the survey:

One issue concerns the desire for BCWMC to streamline rules and regulations. With various agencies developing new and different requirements/strategies for meeting water quality goals, there will be confusion and difficulty in meeting various requirements from federal/state/regional/local jurisdictions.

Another issue raised was improving the financial documents prepared by BCWMC.

Another member is encouraging the Commission to modernize its watershed map. The Commission has created and relied upon a watershed map that does not clearly show and designate all public waters, public wetlands, public ditches, stormwater management ponds and structural capital improvement projects of the watershed. An online map that allows the user to identify all such waterbodies in a layered application would be helpful in the oversight of public improvements created on behalf of the Commission, its member cities and other public entities. The Commission should prioritize these revisions as the updated map will aid development of the Next Generation Plan.

The last new idea supports a formal policy for aquatic invasive species (AIS) and contaminants of emerging concern (CECs). The Commission has yet to formalize a policy for if and how certain pending impacts to the environmental health and function of the watershed and its improvements will be addressed. The Commission will likely face public pressure to fund or otherwise manage AIS and CECs very soon. An understanding of the Commission's role in containment, maintenance, or other management of possible impacts (and funding considerations) should be made prior to or part of the 2013 budget discussions.

Table 1: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaires 1 - 4

Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
1	Education & Public Involvement	Prepare an annual written communication describing the activities of the watershed	X-GV/Ply/Mtka	X-NH		X-StLP/MPRB/Mtka/Mpls/Ply/GV-sometimes		NH-Depending on funding capabilities, continue or possibly expand BCWMC's current goals and policies in the 2nd Generation Plan regarding Education and Public Involvement. MPRB-Current Ed. methods are working. MTKA-Ed. should be large part of new plan. Most of the issues facing the WMO will require a lot of public involvement and education is a cornerstone. There are a lot of "global issues" that the BCWMC should take the lead on. GV-Need to educate public on what a healthy water body is-Need to involve Commission engineer.
2	Education & Public Involvement	Identify who will fund public education and involvement	X-GV/Ply/Mtka	X-NH/Mpls/GV		X-StLP/Mtka/Ply		NH-With the cities having the opportunity to review the annual assessments, the current funding through the Administrative Budget is acceptable. MTKA- Cities should be resp. for pub. Involve because they are the responsible party. If the BCWMC has any concerns about the city's process, they could set up benchmarks that have to be met. GV-BC should partner w/cities to provide info on watershed-wide issues. Need more project specific info. PLY-Further clarification of roles needed.
3	Erosion & Sediment Control	Define Commission and city responsibilities in carrying out the implementation program.	X-Ply/GV/MPRB	X-Mpls	X-NH/GV	X-StLP/Mtka/GV/Ply		NH-Defining the responsibilities, developing implementation programs, and setting goals and policies for Erosion & Sediment Controls are now pretty much accomplished through the individual cities' updated Surface Water Management Plans. As was suggested in the 2nd Generation Plan, these new Surface Water Management Plans have been reviewed and accepted by the BCWMC. MPRB-What is our role? Can it be defined in the next Plan? MTKA-Not an issue, we have staff that inspect ALL constr. sites. GV-Watershed oversight is helpful- keeps consistency among 9 cities and backs up local authority. Cities need to be notified immediately of erosion issues.
4	Erosion & Sediment Control	Develop an implementation program to resolve problems, issues and goals.	X-MPRB/Ply	X-StLP/Mpls	X-NH/GV	X-Mtka/GV/Ply/GV		NH-As above PLY-CIP process is in place. MTKA- Current method of dealing with inspection funding is fine, no issues.

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5	Erosion & Sediment Control	Include quantifiable goals and policies that address erosion control	X-MPRB/Ply	X-StLP/Mpls/GV	X-NH	X-Mtka		<u>NH</u> -As above. <u>PLY</u> -Not sure quantifiable goals good for MS4 permit compliance. <u>MTKA</u> -All of the E&S control goals and policies from the 2004 plan are good long-term goals and they match up with the goals the city has identified in its WRMP.
6	Erosion & Sediment Control	Determine responsibility for addressing sediment deltas in Bassett Creek (e.g. Wirth Park)	X-StLP/MPRB/GV/Ply	X-NH/Mpls/Ply		X-Mtka		<u>NH</u> -We feel that, for the most part there, is a consensus on who is responsible for sediment delta removals. For clarity, a policy stating and documenting the responsibilities for delta removals could be included in the Erosion & Sediment Control section of the 3rd Generation Plan. <u>MTKA</u> -If deltas are related to CIP proj's, creek restoration, or contribute to a flooding issues then they could be addressed by district. If random sedimentation then cities should be responsible & cities should use Channel Maint. funds for delta removal. <u>GV</u> -MPRB and city need to work to ID issues and solutions in Wirth Park. <u>PLY</u> -Will BC fund delta removal? How about deltas in lakes? Should this be watershed issue? <u>MPRB</u> -Erosion still a problem in the Mpls portion of the channel.
7	Erosion & Sediment Control	Identify inspection responsibilities for ongoing development	X-MPRB/Ply/Mtka	X-NH/Mpls/GV		X-StLP/Mtka/GV		<u>NH</u> -With the cities' individual NPDES permit responsibility, consider having the cities responsible for all inspections. <u>MTKA</u> - City has insp. Staff for all projects, not a big deal. Need baseline of before project and monitoring "success." <u>GV</u> -Local responsibility with oversight by Commission. <u>Ply</u> -Duplication of effort in Plymouth.
8	Flood & Rate Control	Include quantifiable goals and policies that address water quality (typo, should have been quantity) issues.	X-Mpls/GV/MPRB/Ply			X-GV/Mtka/NH/SLP		<u>MPLS</u> -Issue description is unclear, further discussion at TAC is requested. <u>GV</u> -1 home in floodplain/homes have sustained flood damage/levees not inspected/many homes do not receive the "free board" req'd by FEMA & local ordinances. <u>MTKA</u> -Continue with quantifiable goals, but review for applicability <u>MPRB</u> -Install backflow preventer to Wirth Lk. per TMDL Implementation plan. Ensure that any loss in storage does not exacerbate existing flooding. <u>NH</u> -Local Water Mgt Plans adequate to address this issue. <u>PLY</u> -MPCA volume issue. Infiltration and abstraction BMPs.

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9	Flood & Rate Control	Address issues of low homes in Golden Valley and Crystal.	X-GV/NH	X-Mtka		X-GV/SLP		<u>MPLS</u> -Not applicable <u>MPRB</u> -No defined role in JPO/Erosion an issue in Mpls channel. <u>GV</u> -see above. <u>NH</u> -Aware of issues for homes in GV south of Med. Lk. Rd. <u>MTKA</u> -Not applicable to us.
10	Flood & Rate Control	Address modifications needed to existing flood control system to optimize performance.	X-Mpls/GV		X-Mtka	X-GV/NH/SLP		<u>GV</u> -Needs continuous review. <u>MTKA</u> -Not a high priority, however, if opportunities arise to incorp. Flood control objectives w/other projects, they should be done. <u>NH</u> -Current methods working.
11	Flood & Rate Control	Address intercommunity drainage issues.	X-GV/NH	X-Mtka		X-SLP	X-GV	<u>GV</u> -New Hope, Crystal, & GV - Medicine Lake Road. <u>MTKA</u> -Not an issue, the JPA is good starting point for dialogue between cities. <u>NH</u> -Example: Crystal, NH, GV's stormwater runoff impact on GV neighborhoods So. of Med. Lk. Rd.
12	Flood & Rate Control	Tabulate the relationship of the Commission's management envelope and any information published in a Federal Emergency Management Agency flood insurance study.	X-Mpls/GV/Mtka/PLY			X-PLY/SLP	X-GV	<u>GV</u> -Being revised, found instances where the two have significant variances. <u>MTKA</u> -Remain a high priority for watershed, watershed must keep on top of/participate in FEMA FIRM updates. No one wants FEMA map changes to adversely affect cities. <u>NH</u> -Clarify issue description. <u>PLY</u> -New FEMA maps in 2004?
13	Flood & Rate Control	Assess flooding and stormwater rate control; effects of stormwater quantity and quality on recreation and wildlife; the adequacy of capital improvement programs to address management of water quality.	X-Mpls/GV/MPRB/PLY			X-Mtka/NH/SLP		<u>GV</u> -Want better understanding of issue. <u>MTKA</u> -Currently identified programs, projects and upcoming TMDL Implem. Plans will provide CIP proj's long into future. <u>MPRB</u> -How and IF monitoring efforts should be increased, an upcoming issue regarding PAH's, E. Coli & pesticide contaminants.. Impacts of rate and volume on creek thru Minneapolis. Impacts of stormwater and pollutants on biota and vegetation in & around the creek. Effects of extreme events on the creek, flood control, rate control and bank restoration. Monitoring coordination (MPRB, TRPD, BCWMC, MCES, MnAG) seems to be working. <u>NH</u> -Current methods working/taking into consideration avail. funding. <u>PLY</u> -Expand CIP to include wildlife enhancements? <u>MPLS</u> -Seems this should be an on-going issue.

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Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
14	Funding	Analyze the financial impact of the implementation of regulatory controls and programs on cities and identify possible sources of funds.	X-Mpls/GV/MPRB/Ply	X-NH		X-Mtka/SLP	X-GV	GV-Mandates keep increasing/limited city funding. MTKA-Should continue and be std. part of all TMDL Implem. Plans. MPRB-Consider a partnership in TALU rules process since BC has long record of biomonitoring.
15	Funding	Evaluate financing of capital improvement projects.	X-Mpls/GV/Ply	X-NH		X-GV/Mtka/Ply/SLP		PLY-Current method works but there is some question with Hennepin County. MTKA-The current system seems to work fine.
16	Funding	Investigate the feasibility of structural solutions to problems that cannot be mitigated by regulatory programs or preventive programs. Prepare cost estimates and funding recommendations and assign priorities for each structural solution.	X-Mpls			X-Mtka/NH/SLP		GV-Want better understanding of issue. MTKA- The current CIP process works very well.
17	Funding	Identify outside sources of funds and outside partners for implementing projects.	X-Mpls/GV/Ply			X-GV/NH/SLP		GV-Commission needs to continue to research funding options for member cities. PLY-Constitutional amendment funds should be pursued. MTKA-This is working very well.
18	Funding	Establish a process to access private or public grant monies.	X-GV/Ply			X-Mtka/NH/SLP	X-GV	MTKA-This is working very well.
19	Flood & Rate Control	Determine effectiveness of implementation of plan over last five years and determine where evident past priorities need to change	X-Mpls					MPLS added this issue for discussion.
20	Flood & Rate Control	The Member cities must implement the BCWMC's development policies	X-Mpls					MPLS added this issue for discussion.Mpls is interested to know if any other members think this is an important issue.
21	Flood & Rate Control	Should rate control be one of the issues mentioned in the development policies?	X-Mpls					MPLS added this issue for discussion.Mpls is interested to know if any other members think this is an important issue.
22	Groundwater	Determine the degree of involvement BCWMC will have in groundwater management.						GV-Inform and refer role. State agencies (MPCA and MDH) working on this.NH-For the most part, continue with the seven policies in the Commission's current Watershed Management Plan. Encourage member cities to support and adhere to other agencies current and future groundwater protection plans/programs. MTKA-BCWMO should have very little involvement in groundwater management. This is handled adequately by several other agencies. BCWMO should encourage infiltration in responsible areas. Infiltration should only be an option where it is appropriate and responsible.

Table 1: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaires 1 - 4

Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
23	Groundwater	Meet County Groundwater Protection Plan requirements (Plan currently unapproved).						<u>GV</u> -Need more information. <u>MTKA</u> -We aren't sure exactly what the County Plan requirements are. This item may need further discussion.
24	Groundwater	Reference pollutant sources mentioned in County Groundwater Plan.						<u>GV</u> -Need more information. <u>MTKA</u> -This isn't a responsibility of the district
25	Groundwater	Determine BCWMC role in review and approval of projects that pump groundwater and discharge to surface waters.						<u>GV</u> - Typically, being managed by local organization/agencies. Support adopted policies. <u>MTKA</u> -Groundwater appropriations are already regulated by the DNR. Discharges to surface water should require review for negative impacts especially if they conflict with the volume reduction requirements in many cities' non-degradation plans.
26	Groundwater	Consider support of new county groundwater protection plan effort/ and/or support of DNR observation well monitoring.	X-GV					<u>MTKA</u> -There isn't a useful way for the commission to actively support the DNR's observation well monitoring program.
27	Planning Process	Define Commission's and cities' responsibilities in carrying out the implementation program.						<u>GV</u> -Already done. <u>NH</u> -At this point, our understanding is that the planning process organizational structure and the planning process flowchart were going to be significantly reduced. (Possibly more of a review and updating of the 2nd Generation Plan). <u>MTKA</u> -We don't know what this item is referring to. Some clarification is needed.
28	Planning Process	Include quantifiable goals and policies that address water quantity, water quality, recreation, fish and wildlife, enhancement of public participation, groundwater, wetlands, and erosion control.	X-GV					<u>NH</u> -We are already required to establish goals and policies by state statute in Local Surface Water Management Plans. It is preferred that "quantifiable goals and policies" be left to the TMDL process. <u>MTKA</u> -Quantifiable goals should be included in the new plan, however these goals need to be realistic for the district and take into account the specific conditions of each individual water body. We know more public input will be required. let s figure out how to do it!
29	Planning Process	Request and summarize relevant water management policies and goals of local, regional, and state review authorities identified in Minnesota state statutes.	X-GV					<u>NH</u> -The cities have already completed much of this in their recently updated Local Surface Water Management Plans. The Commission could possibly take the lead and recommend that goals should be the same for all nine cities.
30	Planning Process	Tabulate water resource-related problems and seek comment.	X-GV					<u>NH</u> -Where it is not an intercommunity problem, we believe this is the individual city's responsibility. <u>MTKA</u> -Public process is important. Both city and resident comments should be sought and addressed as necessary.

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Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
31	Planning Process	Assess water resource-related problems identified by residents, cities, regional, and state agencies.	X-GV					NH-These problems/issues should go back to the city that issued the permit and inspected the project (or should have issued the permit and inspected). <u>MTKA</u> -Same response as #30.
32	Planning Process	Develop an implementation program to resolve problems, issues, and goals.	X-GV					NH-Where it is not an intercommunity problem, we believe this is the individual city's responsibility. <u>MTKA</u> - It isn't the commission's job to solve every problem; it depends on the issue. The commission can identify or acknowledge issues but the responsibility for correcting the issues may lay with the commission, member cities, or with residents. Keep an integrated and ecological approach with the big picture in mind
33	Planning Process	Develop a schedule for implementation of controls or programs by the Commission or cities.	X-GV					NH-By state statute the city has to implement official controls within two years of adoption of the Local Surface Water Management Plan. In addition, the implementation of storm water related programs is required as part of their MS4 permit.
34	Planning Process	Review plan amendment procedures.	X-GV					NH-For New Hope and maybe a few other cities, it would be nice if the plan amendment process was the same for both Bassett Creek and Shingle Creek watersheds. <u>MTKA</u> -Plan amendment procedures are for the most part laid out by BWSR.
35	Planning Process	Create an annual or biannual cycle to review and update the Capital Improvement Plan						NH-Annual. <u>MTKA</u> -There should be an annual review of the CIP. The commission should formalize a procedure and set an annual schedule.
36	Public Ditches	Review the possibility of managing the ditch systems in the watershed.						<u>MTKA</u> -What are the benefits to the commission in managing the ditch systems? Would managing/owning the ditches make the commission an MS4? Certainly key to all else that is decided!
37	Public Education & Involvement	Include quantifiable goals and policies that address enhancement of public participation						<u>GV</u> -The Commission focus should be on producing materials that can be used by all cities as part of NPDES permits.
38	Public Education & Involvement	Develop a watershed education program relative to NPDES and Met Council load restrictions						<u>GV</u> -The Commission focus should be on producing materials that can be used by all cities as part of NPDES permits.
39	Public Education & Involvement	Participate in educational programs (such as WOMP, CAMP, and the Citizen Stream Monitoring Program)						<u>GV</u> -These programs should continue.

Table 1: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaires 1 - 4

Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
40	Water Quality	Assess lake and stream water quality; effects of stormwater quantity and quality; impact of land-use practices on water quality and quantity; the adequacy of capital improvement programs to address water quality.						GV-Still an issue, but water quality standards in current plan and TMDLs have refined the goals. We need to simplify the issue description. <u>Ply</u> -City non-degradation plans, where applicable, contain this information. Assessment of CIP's must consider financial constraints and available grants. TMDL and future watershed assessments required by the MPCA may address these issues as well.
41	Water Quality	Assess or require local plans to assess the following: need for and frequency of parking lot sweeping; need for and frequency of stormwater outfall, sumps, and pond inspections; adequacy of maintenance programs for flood control and stormwater facilities; need for spill containment; and the need for other management programs. The entity responsible for implementing these requirements must also be decided.						GV-Much of this is in NPDES Permits. Other maintenance issues need to be better defined. <u>Ply</u> -If a program is to be developed for monitoring the frequency of parking lot sweeping, the cost for the sweeping and enforcement should be clear. MPCA already requires inspection of all facilities on a 5 year timeframe. Spill containment is mandated by the State.
42	Water Quality	Include quantifiable goals and policies that address water quality and recreation, fish, and wildlife issues.						GV-Already in place. We need to determine if we have developed plans to meet goals. <u>Ply</u> -These issues are worth discussion as they have been more or less ignored in the past.
43	Water Quality	Develop a water quality monitoring program or partner with other agencies that may be monitoring streams, lakes, etc.						GV-TMDL studies will require monitoring. Continue with existing partnerships. <u>Ply</u> -Organizing and/or collaborating in this area is extremely important.
44	Water Quality	Include a public land inventory to document opportunities for BMP retrofits.						GV-City responsibility <u>Ply</u> -Hennepin County completed a survey similar to what this issue is proposing
45	Water Quality	Address Medicine Lake issues.						GV-The TMDL study has addressed these issues. <u>Ply</u> -Covered with current TMDL.
46	Water Quality	Address citizen concerns regarding BCWMC emphasis on water quality studies instead of improvement projects.						GV-No longer appears to be an issue: CIP, TMDL improvement plans, etc. <u>Ply</u> -Citizen concerns could be handled with education.
47	Water Quality	Develop a watershed education program relative to NPDES and Met Council load restrictions.						GV-See comments 37-41 <u>Ply</u> -This could be part of education. Not sure what the Met Council load restrictions are.
48	Water Quality	Identify appropriate BMPs to buffer the effects of impervious land cover.						GV-This issue description needs to be clarified.
49	Water Quality	Address criteria for, and purposes of, advisory groups and public information programs.						GV-This issue description needs to be clarified. <u>Ply</u> -This would be good for discussion. Could be part of education

Table 1: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaires 1 - 4

Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
50	Water Quality	Require Commission or Cities to perform water quality compliance assessments.						GV-Required by NPDES permits and has been significantly addressed by TMDL studies.Ply- There could be many reasons for non-compliance...should be careful with this.
51	Water Quality	Address regional park issues.						GV-Still an issue. Ply-Why? What are they?
52	Water Quality	Evaluate benefits of classifying streams based on a physical and/or ecological classification system.						GV-This does not appear to be an issue in this watershed.Ply-This has been done by others...first order, second order streams. Or Hennepin County Natural Resources Inventory.
53	Water Quality	Address concerns of citizens living adjacent to lower priority water bodies.						GV-Needs clarification. Public education issue?
54	Water Quality	Coordinate city and agency water quality monitoring efforts.						GV-Yes.Ply-Important.
55	Water Quality	Evaluate need for expanded water quality monitoring in lakes and streams.						GV-May not be a current issue due to TMDLs. Monitoring programs should also be discussed as part of budgets.Ply-Possibly rotating schedule.
56	Wetlands	Include quantifiable goals and policies that address wetlands.						GV-WCA/local plans address this issue.
57	Wetlands	Include an inventory of the functional value of wetlands, a provision to create the inventory within a set timeframe or adopt a process to identify the functional values on a case-by-case basis for the review of the project proposals for those cities where the Commission is the LGU.						GV-This should be addressed in local plans.Ply-WCA required the completion of Functions and Values Assessments years ago.
58	Wetlands	Address the adequacy of existing regulatory controls to minimize impacts on public waters and wetlands; the adequacy of existing programs to preserve and maintain the value of natural storage systems; the adequacy of capital.						GV-Issue clarification is needed. Does this mean Commission regulations that are more restrictive than DNR/WCA and other agencies? Ply-Water quality monitoring should be used to determine this. Existing controls may be adequate.
59	Wetlands	Identify potential natural resources restoration sites.						GV-Good idea, but if these projects are in Bassett Creek plan, they should funded by the Commission.Ply-Similar to #44. Natural Resources Inventory has been completed by Hennepin County.
60	Wetlands	Identify high priority areas for wetland preservation, restoration, and establishment.						GV-See Comment 59. Local issue.Ply-Same as comment for #59
61	Wetlands	Include a wetland function and values assessment.						GV-See Comment 59. Local issue.Ply- Already required by WCA. Completed in Plymouth in 1994.

Table 1: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaires 1 - 4

Issue	Major Issue Topic	Issue Description	Is it still an issue?	Is in not an issue?	Was issue but has been resolved	Current methods of addressing issue (e.g., city/BCWMC policies, actions, etc.) are working	Current methods of addressing issue are not working	Comments
62	Wetlands	Identify potential open space sites for restoration of stream, wetland, and upland habitat.						GV-See Comment 59. Local issue. <u>Ply</u> -Part of CIP and TMDL processes.
63	Wetlands	Adopt requirements for, or require cities to adopt, requirements for wetland buffers.						GV-Support for new development, but not retroactive. <u>Ply</u> -This has been done in Plymouth but should be up to the discretion of each City. Water quality goals and standards have been set, mostly by MPCA. Flexibility should be maintained in how Cities meet those goals.
64	Wetlands	Assess BCWMC's role regarding wetland issues.						GV-Yes. <u>Ply</u> - BCWMC is LGU if the City requests it.
65	Wetlands	Identify individual cities' wetland controls, ordinances, inventories, and classifications.						GV-Yes. <u>Ply</u> -This is done in City's Comprehensive and/or local surface water management plans

Table 2: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaire 5

Issue	Major Issue Topic	Issue Description	Comments
1	BCWMC/City Evaluation, Accountability, Enforcement	Develop quantifiable goals and policies that address water quantity, water quality, recreation, fish and wildlife, enhancement of public participation, groundwater, wetlands, and erosion control	<u>GV</u> -This item is the basic function of BCWMC and these goals must be in plan. BCWMC should assess the areas of enforcement and accountability as part of this process. <u>SLP</u> - No Concerns. <u>NH</u> -Quantifiable goals and policies should be developed with new MS4 requirements in mind. <u>Mtka</u> -The WMC should review the current goals and policies and continue to update them to reflect any TMDLs. <u>Ply</u> -Align goals for simplicity. <u>ML</u> -(abbrev.) The Commission should develop a set of metrics specific to our watershed that can help us gauge our improvement efforts. This could include changes in population, demand for ground water, changes in impervious surface, quantity of road salt applied, etc. Our measurements of these types of metrics and how they change over time will help frame how we set goals and policies to address those stated.
2	BCWMC/City Evaluation, Accountability, Enforcement	Develop a plan for monitoring the success of water quality and quantity management programs and improvements	<u>GV</u> -Still an issue. <u>SLP</u> - No Concerns. <u>NH</u> -Monitoring program by the WMC for the effectiveness of BMPs should be developed. <u>Mtka</u> -The current program is adequate but the TMDL component of WQ monitoring should be discussed further. This should remain a budget priority. <u>Ply</u> -Yes, BCWMC. <u>ML</u> -Failure to carefully examine and evaluate the degree to which structural CIPs improve or enhance water quality and quantity management programs means the Commission is on a path to repeat projects that may not be cost effective or environmentally beneficial. Those who do not examine the past are condemned to repeat it.
3	BCWMC/City Evaluation, Accountability, Enforcement	Assess Commission's role to review (plat review, construction site inspections, etc.) and verify that goals are being met	<u>GV</u> -This item is the basic function of BCWMC and these goals must be in plan. BCWMC should assess the areas of enforcement and accountability as part of this process. <u>SLP</u> - No Concerns. <u>NH</u> -Individual cities responsible for disturbances under 1-acre, with permit review by the WMC for disturbances 1-acre or larger. WMC should not be involved in construction site inspections. <u>Mtka</u> -The commission only looks at larger project where more scrutiny is welcome. We don't have any issues. <u>Ply</u> -Use monitoring data. <u>Robbinsdale</u> -I still wonder why Member Cities have to pay a review fee for CIP works. <u>ML</u> -(abbrev.)The Commission should consider the inspection of government and commercial road salt storage facilities. Concentrated runoff from salt storage facilities should be flagged by the Commission and failure to follow-up with corrections referred to the MPCA for further action.
4	BCWMC/City Evaluation, Accountability, Enforcement	Identify enforcement procedures for violations of controls delegated to the cities by the Commission.	<u>GV</u> -Needs to be formalized with reporting back to BCWMC. <u>SLP</u> - We'd like more information on this as we develop it, specifically what the cities' responsibilities will be. <u>NH</u> -Enforcement procedures are already included in city ordinances. <u>Mtka</u> -Everything seems to be working. If there is an issue, contact the city and work through their process. <u>ML</u> -I think Commissioner Welch once mentioned one of our weaknesses is that the Commission lacks the authority to penalize anyone or prevent a project from proceeding. I think the Commission's role needs to be revisited in light of cities' efforts to carefully manage their MS4 and SWPPP permits.
5	BCWMC/City Evaluation, Accountability, Enforcement	Identify methods for measuring success and for revising strategies over time	<u>GV</u> -Needs to be done. <u>SLP</u> -Very important. <u>NH</u> -Monitoring programs by the WMC for the effectiveness of BMPs should be developed. <u>Mtka</u> -The WMC should look at developing a long-term schedule or plan for reviewing future/pending items. This could be reassessed every 2 years before the CIP meeting. <u>Ply</u> -Success should be meeting WQ goals. <u>ML</u> -There is decision management science available for evaluating CIP strategies. If interested, I can show the Commission's engineer where to look for these to see if they may be a good fit for our Commission.

Table 2: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaire 5

Issue	Major Issue Topic	Issue Description	Comments
6	BCWMC/City Evaluation, Accountability, Enforcement	<p>Establish a stakeholder involvement plan and determine need for an ongoing:</p> <ul style="list-style-type: none"> ▪ Citizen advisory group (CAG) ▪ Technical advisory group (TAG) made up of local, regional and state technical staff ▪ Policy advisory group (PAG) 	<p><u>GV</u>-CAG and PAG already covered by BCWMC. TAG should be limited to local staff. <u>SLP</u>-We think this is overkill. It will take a lot of staff time and money. <u>NH</u>-Policy Advisory Group and Technical Advisory Group are sufficient. <u>Mtka</u>-Not a good idea for day-to-day Commission business but it is a good idea for new plan development. <u>Ply</u>-Yes for TAG, not sure about others. <u>ML</u>-We must be careful not to load too many layers of management to the Commission unless the Commission wishes to start paying its Commissioners and changing its operational model (from WMO to WMD).</p>
7	BCWMC/City Evaluation, Accountability, Enforcement	Establish responsibilities for monitoring and evaluation programs	<p><u>GV</u>-Needs to be done. <u>SLP</u>-Very important. <u>NH</u>-A monitoring program developed and operated by WMC would probably be more effective and economical. <u>ML</u>-Yes. That comes with the territory.</p>
8	BCWMC/City Responsibilities	Assess effect of growth and development identified in local comprehensive plans over next 20 years	<p><u>GV</u>-Done as part of local comp plan process. Once BCWMC develops watershed models for water quality and flood control, this will be addressed. <u>SLP</u>- No Concerns. <u>NH</u>-Assessing the effects of growth and development should continue to be the cities responsibility. <u>Mtka</u>-This isn't within the purview of the WMC and should remain a city land use issue and responsibility. <u>Ply</u>-No. <u>ML</u>-Yes. See answer to Question 1.</p>
9	BCWMC/City Responsibilities	Develop quantifiable goals and policies that address water quantity, water quality, recreation, fish and wildlife, enhancement of public participation, groundwater, wetlands, and erosion control	<p><u>GV</u>-This item is the basic function of BCWMC and these goals must be in plan. BCWMC should assess the areas of enforcement and accountability as part of this process. <u>SLP</u>- No Concerns. <u>NH</u>-See # 1 above. <u>Mtka</u>- There are already goals and policies in place-they should be reviewed in detail during the plan update process to include current rules and regulations. <u>Ply</u>-Yes. <u>ML</u>-Yes. See answer to Question 1.</p>
10	BCWMC/City Responsibilities	<p>Assess or require local plans to assess the following: need for and frequency of parking lot sweeping; need for and frequency of stormwater outfall, sumps and pond inspections; adequacy of maintenance programs for flood control and stormwater facilities; need for spill containment; and the need for other management programs. Identify the entity responsible for implementation of these requirements.</p>	<p><u>GV</u>-Already part of City's SWPPP reporting. BCWMC should consider requesting each member city's annual report. <u>SLP</u>-Aren't we already doing this? And isn't it also duplicating what is required in the SWPPP? <u>NH</u>-The individual cities should be responsible for assessments of these BMPs through the procedures outlined in the city's SWPPP, which will be consistent with the requirements of the MS4 permit. <u>Mtka</u>-This is already covered under the cities' MS4 permit. there isn't a need for the WMC to duplicate. <u>Ply</u>-No, stick to monitoring and meeting WQ goals. <u>Robbinsdale</u>-These issues should be contained in Member Cities SWPPP's. <u>ML</u>-Yes and no. Yes, these functions should be known by the Commission and presented in the form of an annual survey spread sheet by each member City. However, most of these components (I believe) are outlined within each City's adopted surface water management plan and SWPPP, which means they are completing many of these duties already. The Commission's (or BWSR's?) role may only be oversight. The cities should be responsible for implementation for each requirement. <u>Mpls</u>-This content is required through teh MS4 permits. It should not <u>also</u> be required by the watershed organization - duplicate effort.</p>

Table 2: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaire 5

Issue	Major Issue Topic	Issue Description	Comments
11	BCWMC/City Responsibilities	Review existing local controls and programs (e.g. those outlined in the city local water management plans) <i>Administrator Nash requested information from the TAC on 8/26/11 regarding each city's post-construction stormwater requirements. Some members responded to this request.</i>	<u>GV</u> -Uniformity should be a goal throughout the watershed. However, local controls and programs are a local decision. TAC could look at this in the future. <u>SLP</u> -Review as part of the SWMP reviews we already do. <u>NH</u> -This is already accomplished by the Commission when it reviews the individual cities updated surface water management plans. <u>Mtka</u> -This should be addressed when the cities update their WRMPs in response to the WMC plan updates. <u>Ply</u> -No. <u>ML</u> -The City of Medicine Lake has (since 8/26/11) adopted a Local Water Management Plan component of its comprehensive plan and adopted post construction ordinance protections. If those were not gathered as part of Administrator Nash's findings, and you would like to include them with those of other member cities, I can see that you receive them.
12	BCWMC/City Responsibilities	Review administrative and financial ability of the local units of government to adopt and enforce needed controls and programs (as outlined in city local water management plans)	<u>GV</u> -Not a BCWMC issue. <u>SLP</u> -Review as part of the SWMP reviews we already do. <u>NH</u> -Review of the city's administrative and financial abilities are completed by the city during their CIP reviews and the surface water management plan updating process. <u>Mtka</u> -Adoption of local ordinances isn't a role for the WMC. <u>Ply</u> -Maybe. <u>ML</u> -No. It's up to Cities to manage their own plans. The Commission, however, may monitor/survey what actions were taken locally and the cost of those actions on a year to year basis. Knowing how much money is spent on stormwater improvements, monitoring, etc. is another important watershed metric that we should better understand. <u>Mpls</u> -Why? This is required thorough the MS4 permit. It should not be required by the watershed organization-duplication of effort.
13	BCWMC/City Responsibilities	Determine responsible parties for streambank erosion and maintenance	<u>GV</u> -Major capital projects should be the responsibility of BCWMC, but ongoing routine maintenance is a member city responsibility. <u>SLP</u> -No concerns. <u>NH</u> -Coordinated effort between the WMC and the affected city. <u>Mtka</u> -There is an effective process in place between cities. <u>Ply</u> -Yes. <u>ML</u> -Yes. For long term improvements to our riparian corridors without actually owning the adjacent properties, the Commission is going to have to work with property owners on implementing collective non-structural BMPs in managing stream corridors. The challenge is to bring a sense of urgency to the stakeholders involved.
14	BCWMC/City Responsibilities	Address responsibilities for implementation of NPDES Phase II requirements	<u>GV</u> -Other than TMDL studies, this is not a BCWMC responsibility. <u>SLP</u> -Important. <u>NH</u> -The city should continue to be responsible for implementing MS4 permit requirements within its jurisdiction. <u>Mtka</u> -This is a city responsibility. There isn't a need for the WMC to duplicate. <u>Ply</u> -This is already a city responsibility. BCWMC could provide support. <u>ML</u> -Yes. It would be nice to create a worksheet and timeline to show cities how and what goals are being met, by when and by whom. <u>Mpls</u> -Why should the WMC do this?
15	BCWMC/City Responsibilities	Identify regulatory controls that the Commission delegates to the cities for enforcement	<u>GV</u> -BCWMC needs to evaluate this. <u>SLP</u> -This is currently just erosion control, correct? We'd want to have a discussion about adding anything to that. <u>NH</u> -Continue to leave enforcement to the cities, with the Commission's approval through the review of the cities surface water management plan. Regulatory controls related to storm water are dictated by the MS4 permit. <u>Ply</u> -No mandates. <u>ML</u> -Yes. Cities (at least some) need a clear understanding of who is responsible for what issues.

Table 2: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaire 5

Issue	Major Issue Topic	Issue Description	Comments
New Issues since June 2010			
16	Maintenance of BCWMC-funded CIP projects	<p>Are existing maintenance policies for flood control facilities adequate? If not, what changes would you like to see?</p> <p>The TAC provided recommendations to the Commission on a list of seven maintenance issues at the Commission's 3/18/10 meeting. The Commission directed that these recommendations be considered by the CIP Review Work Group. Does the Commission still need to address these issues? Should these issues be included in the Plan update process?</p>	<p><u>GV</u>-Need to discuss this. Major maintenance should be BCWMC responsibility and routine maintenance should be the cities. Major and routine maintenance needs to be defined. <u>SLP</u>-No Concerns. <u>NH</u>-City maintenance policies will likely become more involved with the new MS4 permit. These new policies should be sufficient. <u>Mtka</u>-Existing policies seem to be adequate but they should be reviewed as part of the new plan. <u>Ply</u>-What are the issues? <u>ML</u>-The TAC recommendations for the seven maintenance issues should be formalized into policy by the Commission. All policies should be reviewed as part of the Next Generation Plan update process. Major and minor maintenance projects need to be more clearly quantified. Reimbursement of easement costs by the Commission should be more carefully considered.</p>
17	Maintenance of BCWMC-funded CIP projects	<p>Are new policies needed for maintenance of water quality facilities? What policies would you recommend?</p> <p>The TAC provided recommendations to the Commission on a list of seven maintenance issues at the Commission's 3/18/10 meeting. The Commission directed that these recommendations be considered by the CIP Review Work Group. Does the Commission still need to address these issues? Should these issues be included in the Plan update process?</p>	<p><u>GV</u>-Yes. Discuss uniformity in pond dredging, buffer strips. Revisit at future TAC meeting. Yes. <u>SLP</u>-Yes. We would like to see discussion on algae growth control (stinky green ponds). We also think there should be policies regarding vegetation management, dredging, and structural repair, and who is responsible. <u>NH</u>-See # 16. <u>Mtka</u>-Existing policies seem to be adequate but they should be reviewed as part of the new plan. <u>Ply</u>-Maybe. <u>ML</u>-Contaminants of emerging concern should be addressed. Aquatic invasive species should be addressed. Groundwater interaction/contamination potential should be quantified and addressed. These impacts may or may not pose significant future maintenance costs for existing CIP projects.</p>

Table 2: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaire 5

Issue	Major Issue Topic	Issue Description	Comments
18	Water Quality Trading	At the 6/2/11 TAC meeting, the TAC recommended that the Commission consider implementing a water quality trading program to support possible policy changes requiring no net increase in phosphorus loadings. What concerns and/or recommendations do you have regarding the policy change and a trading program?	<u>GV</u> -Not interested in proceeding with this at this time. <u>SLP</u> -This seems excessively complicated, and a management headache. We think that there is little drive for private development to participate. <u>NH</u> -A water quality trading program should not be tied to changes in other Commission policies. If the new MS4 permit will not give credit for water quality trading, then the Commission should not implement a trading program. <u>Mtka</u> -This is a good idea but it should be a (very) low priority. Based on discussion with other WMOs offering WQ trading, there isn't much of a demand. <u>Ply</u> -I support a trading program. <u>Robbinsdale</u> -Complexities of such a policy may make it difficult to administer. <u>ML</u> -(Abbrev.) I do not support trading programs. Market trading credit programs give developers an out for shirking the requirements of managing phosphorous loading. If phosphorous loading becomes an impediment to a proposed development, then maybe it's time for the developer to rethink the plan. The technology is available today for creative developers to deal with on-site phosphorous management. Developers must understand that the Commission stands by its standards. <u>Mpls</u> -Premature, consider in the next generation, if still relevant.
19	Volume Reduction Requirements	Should BCWMC establish abstraction or infiltration requirements to address water quality concerns? What recommendations do you have regarding new development and redevelopment?	<u>GV</u> -Not interested in proceeding with this at this time. Some cities can implement and others cannot. Should be local decision based on local conditions. <u>SLP</u> -We think adding volume control is premature. <u>NH</u> -Make sure that site specific issues such as non-infiltrating soils, high ground water, bedrock, hotspots, etc. are included as conditions of the requirements. <u>Mtka</u> -Cities will most likely already be required to do this as part of the NPDES MS4 permit. The WMC does not need to duplicate. <u>Ply</u> - Trading program. <u>Robbinsdale</u> -I think this would be beneficial although soil types may limit broad application through the watershed. Should review other watersheds' approaches to this. <u>ML</u> -Yes. Future on-site management of surface waters is a critical component to improving water quality. While sub-surface grit biofiltration systems seem to be the state of the art presently, I think the Commission should be more careful about approving these designs without better understanding their potential impacts on possible groundwater contamination. It remains to be seen how easily cleaning and removing concentrated contaminants or cleaning up toxic spills from these systems really is. The "out of sight, out of mind" factor must be closely watched. The Commission should be taking an active role in seeing that more LID and LEED qualifications are reached. These should be added to the metrics "watershed watch list" mentioned in question 1. <u>Mpls</u> -No. EPA/MPCA are moving in this direction, WMC should not.
20	Triggers or thresholds for application of stormwater requirements	Are the current "project review" triggers appropriate? What changes would you suggest? (Project triggers were discussed at 6/2/11 TAC meeting)	<u>GV</u> -Yes. It is an issue and should be discussed as part of process. <u>SLP</u> -Appropriate. <u>NH</u> -Current project review triggers are appropriate. <u>Mtka</u> -The current project review triggers seem to work fine. <u>Ply</u> -Trigger should be @ 1 acre, fees are too high. <u>Robbinsdale</u> -Guidance for smaller projects including residential redevelopment would be beneficial. <u>ML</u> -The triggers currently are probably appropriate except for the grit chamber installation requirements. I think all such installations should be approved under Commission review and there should be a clear understanding why surface water infiltration basins could not otherwise be used. <u>Mpls</u> -OK as-is.

Table 2: Summary of Responses to TAC Next Generation Plan Issue Survey - Questionnaire 5

Issue	Major Issue Topic	Issue Description	Comments
21	Prioritization of CIP projects	What criteria should be considered in prioritizing CIP projects within the eight categories of projects (e.g. water quality, flooding & rate control, wetland management, etc.). Prioritizing CIP projects was discussed at 2/4/11 TAC meeting.	<u>GV</u> -Priorities of BCWMC should remain flood control and water quality. Wetland management is a local issue. <u>SLP</u> -"Biggest bang for the buck," the condition of the receiving water (if it has a TMDL or is otherwise impaired). <u>NH</u> - Does it benefit multiple cities, cost, does it address a requirement in a TMDL (water quality). <u>Mtka</u> -The current collaborative process used by the WMC and TAC has worked well in the past and should be kept in place. <u>Ply</u> -Need to see list. <u>Robbinsdale</u> -Ranking should include relationship to implementation/compliance with TMDL requirements. <u>ML</u> -The TAC memo of 2/4/11 addresses the eight categories but does not outline the criteria. Instead, it says the Commission should proceed with "should continue its current system." What exactly is our "current system?" Again, a decision sciences approach here may be helpful in prioritizing future projects.
New Issues Identified in Survey			
	Rules and regulations		<u>Ply</u> -Streamline rules and regulations. Agencies are developing new and different required strategies to meet water quality goals. This creates confusion and difficulty in meeting various requirements across fed/state/regional/local authorities.
	Financial reporting		<u>Mtka</u> -Improved financial documents.
	Watershed map modernization		<u>ML</u> -The Commission has created and relied upon a watershed map that does not clearly show and designate all public waters, public wetlands, public ditches, stormwater management ponds and structural capital improvement projects of the watershed. An online map that allows the user to identify all such waterbodies in a layered application would be helpful in the oversight of public improvements created on behalf of the Commission, its member cities and other public entities. The Commission should prioritize these revisions as the updated map will aid development of the Next Generation Plan.
	Aquatic invasive species and contaminants of emerging concern		<u>ML</u> -The Commission has yet to formalize a policy for if and how certain pending impacts to the environmental health and function of the watershed and its improvements will be addressed. The Commission will likely face public pressure to fund or otherwise manage AIS and CECs very soon. An understanding of the Commission's role in containment, maintenance, or other management of possible impacts (and funding considerations) should be made prior to or part of the 2013 budget discussions.

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 7H – Status of TAC Discussions Relating to Project Review Triggers, Changes to Policies Allowing Nutrient Loading Increases and Water Quality Banking/Trading Program
BCWMC February 16, 2012 Meeting Agenda
Date: February 8, 2012
Project: 23270051 2012 003

7H. Status of TAC Discussions Relating to Project Review Triggers, Changes to Policies Allowing Nutrient Loading Increases and Water Quality Banking/Trading Program

Recommendations:

- a. Direct that the TAC review the member cities' post-construction best management practices requirements, and continue discussion of needed changes to water quality policies and a banking/trading program at their April TAC meeting.

Background

The Technical Advisory Committee (TAC) discussed these two issues at their August 2011 TAC meeting: 1) BCWMC policies for water quality treatment and non-degradation and triggers for review, and 2) a water quality trading or banking program. At the August 2011 meeting the TAC also requested that a summary of the post-construction best management practices requirements of the cities be tabulated for review by the TAC. Some of this information was collected by Administrator Nash before his departure. The remaining information needs to be collected from the member cities and then summarized and tabulated. The TAC needs to review this tabulation and finalize their recommendations on these two issues to the Commission. Information regarding the status of these issues is outlined below:

1. BCWMC Policies for Water Quality Treatment and Non-Degradation

At their July and August, 2011 meetings the TAC discussed possible BCWMC policy changes needed to implement TMDLs in light of the BCWMC's role as the categorical waste load allocator. The current BCWMC non-degradation policies do not apply to new development projects or to linear projects such as road reconstruction, trails or rail corridors. Nutrient loads could increase as a result of

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Date: February 8, 2012
Page: 2

those projects. A summary of the issues relating to the current water quality policies of the BCWMC and the implementation of the TMDLs, the questions that have been raised by the BCWMC and the BCWMC's direction to the TAC were reviewed and discussed at the meetings. Included in the discussion were Commissioner Welch's suggested new policies changing the BCWMC's project review "triggers," which would require BCWMC review of smaller projects than currently come under review.

The TAC discussed the summary of city ordinance triggers and Commissioner Welch's proposed changes to the BCWMC triggers.

Discussion points included:

- The TAC favored closing the "hole" related to new development and linear projects.
- Member cities already have pretty stringent requirements for development/redevelopment projects.
- Member cities feel that they effectively pay twice for linear projects, the first time when they construct watershed BMPs to reduce nutrient loads and again when they redevelop linear projects and construct additional BMPs.
- The need for a process for MnDOT to contribute funds for water quality projects was discussed.

2. Water Quality Trading and Banking Programs

The Commission requested that the TAC discuss other WMO's approaches to water quality trading. The TAC discussed the information provided by the BCWMC engineer regarding the Ramsey-Washington Metro Watershed District and Nine Mile Creek Watershed District water quality trading approaches (extensive information was provided in online meeting materials). The TAC discussed how such an approach would be helpful because there will be situations where it will be difficult/not feasible to put infiltration and other water quality treatment practices in place. Such a trading approach would provide a way for projects/practices to be placed where it makes the most sense (e.g., redevelopment projects, city/BCWMC projects, etc.). The TAC was in support of the water quality trading approaches.

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Discussion points included:

- Under any trading/banking concept, “sequencing” would still be required.
- Consideration of a program offering cash for water quality projects instead of a “bank.” This would encourage developers to add water quality treatment by eliminating the speculation inherent in the bank concept.
- This concept would apply to groups who cannot meet goals and are not members of the BCWMC such as the linear MDOT and County transportation projects. Applying it to member cities would not account for member cities’ work on water quality projects throughout the watershed unless the banking system included credits for city projects

RESOLUTION NO. 12-06

Member _____ introduced the following resolution and moved its adoption:

A RESOLUTION APPROVING THE REIMBURSEMENT TO THE BASSETT CREEK WATERSHED MANAGEMENT COMMISSION 2.5% OF THE TAX LEVY REQUEST TO HENNEPIN COUNTY FOR COLLECTION IN 2011, FOR ADMINISTRATIVE EXPENSES FOR CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS AND APPROVING THE TRANSFER OF THE FUNDS FROM THE CIP ACCOUNT TO THE ADMINISTRATIVE ACCOUNT

BE IT RESOLVED by the Bassett Creek Watershed Management Commission of the Cities of Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale, and St. Louis Park that:

1. The Bassett Creek Watershed Management Commission (BCWMC) will be reimbursed \$21,560.00, which is 2.5% of the BCWMC's September 2010 tax request in the amount of \$862,400 to Hennepin County for collection in 2011, for administrative expenses for Capital Improvement Projects.
2. The Bassett Creek Watershed Management Commission directs its Deputy Treasurer to transfer the reimbursed funds from the Commission's CIP Account to its Administrative Account.

Chair

Date

Attest:

Secretary

Date

The motion for adoption of the foregoing resolution was seconded by Member _____ and upon a vote being taken thereon, the following voted in favor thereof: _____ and the following voted against the same _____ whereupon said resolution was declared duly passed and adopted.



September 27, 2010

Jill Alverson
County Auditor – Treasurer
A-600 Government Center
300 South Sixth Street
Minneapolis, Minnesota 55487-0060

Re: Bassett Creek Watershed Management Commission 2010 Tax Levy Request to
Hennepin County for Collection in 2011

Dear Ms. Alverson:

On September 23, 2010, the Bassett Creek Watershed Management Commission adopted Resolution No. 10-08, certifying for payment by Hennepin County in 2011 the amount of Eight Hundred Sixty-Two Thousand Four Hundred Dollars (\$862,400) as the cost of the following water quality improvement projects that had been ordered by Resolutions 10-08 and 09-05:

Restoration of the Main Stem of Bassett Creek from Wisconsin Avenue to Rhode Island Avenue in the City of Golden Valley and from Duluth Street in Golden Valley to the City of Crystal boundary. The estimated cost of this 2011 project is \$580,200, of which up to \$160,700 will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, Section 103B.251, to be levied in 2010 for collection in 2011.

Restoration of the Main Stem of Bassett Creek from the Crystal City boundary to Regent Avenue in the City of Golden Valley. The estimated cost of this 2010 project was \$636,100, of which up to \$286,300 will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, Section 103B.251, to be levied in 2010 for collection in 2011.

Restoration of the channel of the North Branch of Bassett Creek from 36th Avenue to Bassett Creek Park in the City of Crystal. The estimated cost of this 2011 project is \$834,900, of which up to \$415,400 will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, Section 103B.251, to be levied in 2010 for collection in 2011.

Bassett Creek Watershed Management Commission

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

The certified copies of Resolutions 10-08 and 09-05 are attached.

This letter and the attached resolutions will serve as certification to the County for payment of these costs in accordance with Minnesota Statutes, Section 103.b.251, Subd. 4. The Commission understands that payment will be made in 2011 from taxes to be levied in 2010.

Sincerely,

A handwritten signature in cursive script that reads "Amy Herbert".

Amy Herbert, Recording Administrator
Bassett Creek Watershed Management Commission
249817v1

Encl.

Cc: Robert A. Burck, Assistant County Attorney (w/ encls.)
Joel Settles (w/ encls.)
Greg Perlick (w/ encls.)

Bassett Creek Watershed Management Commission

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St. Louis Park

8E.

Karen Chandler

From: Dan Kalmon <dkalmon@mwmo.org>
Sent: Monday, February 06, 2012 9:46 AM
To: Karen Chandler
Cc: Linda Loomis (linda.loomis@comcast.net); Bassett Creek Recording Administrator; Brad Wozney (Brad.Wozney@state.mn.us)
Subject: RE: General Amendment to the Mississippi WMO Plan

Karen,

We will be sure to reference the agreement in the amendment language.

Thank you reviewing and commenting on the amendment,

Dan Kalmon
Planner and Program Manager

(612) 360-7335 cell
dkalmon@mwmo.org

Mississippi Watershed Management Organization
2522 Marshall Street NE
Minneapolis, Minnesota 55418-3329

www.mwmo.org

From: Karen Chandler [mailto:KChandler@barr.com]
Sent: Monday, January 30, 2012 5:53 PM
To: Dan Kalmon
Cc: Linda Loomis (linda.loomis@comcast.net); Bassett Creek Recording Administrator; Brad Wozney (Brad.Wozney@state.mn.us)
Subject: General Amendment to the Mississippi WMO Plan

Hi Dan,

Thank you for providing the Bassett Creek Watershed Management Commission (BCWMC) with the opportunity to review the General Amendment to the 2011 – 2021 Mississippi WMO Plan. Attached is the BCWMC's comment letter; our comments are limited to the old Bassett Creek Tunnel.

If you have any questions, please feel free to contact me.

Karen

Karen Chandler, PE

Senior Water Resources Engineer
Minneapolis office: 952.832.2813
kchandler@barr.com
www.barr.com

resourceful. naturally.



Bassett Creek Recording Administrator

To: Carol.L.Anderson@co.hennepin.mn.us
Subject: Draft Southwest LRT Community Works stormwater planning scope of work

From: Karen Chandler
Sent: Thursday, January 26, 2012 10:21 AM
To: 'Carol.L.Anderson@co.hennepin.mn.us'
Cc: Jim Herbert; Linda Loomis (linda.loomis@comcast.net)
Subject: Draft Southwest LRT Community Works stormwater planning scope of work

Hi Carol,

Upon review of the draft Southwest LRT Community Works stormwater planning scope of work and a March 30, 2011 draft figure (Figure 7) showing the proposed station locations, we realized that none of the four LRT stations included in the scope of work are located within the jurisdiction of the Bassett Creek Watershed Management Commission (BCWMC). The Royalston station is the closest of the four to the Bassett Creek watershed, but we do not believe that the transit-oriented development within a ½-mile radius of the station would be located within the Bassett Creek watershed. Therefore, the station and the associated development would not need to meet the requirements and standards of the BCWMC. (If there is a more recent map/figure that we should be using, please send it to me.)

As I discussed with you on the phone, because the project is outside the Bassett Creek watershed, we decided not to attend Tuesday's meeting. Instead, we are sending you this email with our comments regarding the stormwater planning scope of work and BCWMC's interest/jurisdiction regarding all of the Southwest LRT stations. Following are our comments:

1. Two of the stations – Royalston and Intermodal – are located in the Mississippi Watershed. We believe that runoff from the stations would drain to the Bassett Creek "old tunnel." We also assume that runoff from any transit-oriented development would also drain to the Bassett Creek "old tunnel." Per the agreement between Mississippi WMO and the BCWMC, the old tunnel must continue to accommodate a 50 cfs overflow from Bassett Creek during the 100-year flood. Also, should any runoff be proposed to drain to the Bassett Creek "new tunnel," there would need to be written approval from BCWMC for any proposed increases in the tributary watershed or flow rates.
2. The Penn and Van White stations and their associated transit-oriented development are/would be located within, or partially within, the Bassett Creek watershed. The runoff from the Bassett Creek watershed would drain to the Bassett Creek "new tunnel." Again, there would need to be written approval from BCWMC for any proposed increases in the tributary watershed or flow rates. For those portions of the stations and the associated development within the Bassett Creek watershed, the proposed projects would come under the jurisdiction of the BCWMC and would need to meet the BCWMC's requirements and standards (assuming the projects trigger BCWMC review).
3. The proposed scope of work calls for the application of green infrastructure where appropriate. Although the BCWMC does not currently require the use of green infrastructure or infiltration measures, the BCWMC encourages the use of these measures and the BCWMC's requirements include design criteria for such practices.
4. In general, the BCWMC's standards require implementation of best management practices (BMPs) to preserve and improve the quality of the lakes, stream and water resources in the Bassett Creek Watershed. The BCWMC's requirements and standards are "triggered" by certain types of activities and/or size of activities:
 - a. Proposed projects resulting in more than 200 cubic yards of cut or fill or more than 10,000 square feet of grading, shall be submitted to the BCWMC for review and approval. The application fee is based on the type of development and the parcel size.

- b. Generally, all projects involving a parcel greater than 0.5 acres of land, where there is no existing development, or redevelopment involving more than 5 acres of land must meet Level 1 treatment requirements in accordance to the BCWMC's Water Quality Management Policy (Section 4.3 of the Requirements document – see below).
 - c. All redevelopment projects that result in an increase in impervious surface (except as noted in Section 4.4 of the Requirements document – see below) must meet the non-degradation requirements of Policy 4.2.2.4 of the BCWMC's Watershed Management Plan. Policy 4.2.2.4 requires implementation of best management practices (BMPs) to prevent an increase in phosphorus runoff from the site. Non-degradation requirements can also be achieved by redeveloping the entire site in accordance to the Level 1 criteria for new development (essentially incorporating water quality ponds, rain gardens or other approved BMPs to treat the entire site).
 - d. Specific BCWMC requirements, general submittal guidelines and design requirements for several approved BMPs are provided in the document "Requirements for Improvements and Development Proposals," which can be found at www.bassettcreekwmo.org (July 17, 2008).
 - e. The County must also coordinate with respective city staff regarding its requirements.
- 5. In any case, the BCWMC recommends BMPs to reduce the volume and improve the water quality of storm water runoff, where feasible. This appears to be consistent with the County's interest in applying green infrastructure measures.
 - 6. Other issues to consider include - What is the timeline for this project and the other stations? Please note that the BCWMC requirements and standards could change, especially if development is a couple of years away.
 - 7. In addition, the BCWMC has projects in its capital improvement program to improve the water quality of Bassett Creek. Ideally, the county, BCWMC, and the City of Minneapolis would find ways to collaborate on projects of mutual benefit.

Thank you for giving us the opportunity to provide comments on behalf of the BCWMC. If you have any questions or comments, please feel free to contact me (information below) or Jim Herbert (jherbert@barr.com or 952-832-2784).

Karen

Karen Chandler, PE

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