



Bassett Creek Watershed Management Commission

A g e n d a

11:30 a.m., Wednesday, November 18, 2009

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

1. CALL TO ORDER
2. APPROVAL OF AGENDA AND CONSENT AGENDA - Items marked with an asterisk (*) will be acted on by one motion. There will be no discussion of these items unless a BCWMC commissioner so requests in which event the item will be removed from the consent agenda and considered in its normal sequence on the agenda.
3. CITIZEN INPUT ON NON-AGENDA ITEMS
4. ADMINISTRATION
 - A. Presentation of October 15 Meeting minutes *
 - B. Presentation of Financial Statements *
 - C. Presentation of Invoices for Payment Approval
 - i. Kennedy & Graven – Legal Services through September 30, 2009
 - ii. Barr Engineering – Engineering Services through October 30, 2009
 - iii. Amy Herbert – October Administrative Services
 - iv. Judy Arginteanu – Contract for three watershed education articles in 2009
 - v. City of New Hope – Invoice for Northwood East Sediment Pond Reimbursement
 - vi. SEH, Inc. – Review of St. Louis Park LWMP
 - D. The Open Meeting Law and E-Mail
5. NEW BUSINESS
 - A. Presentation by Alye Bohn on her thesis “*BASSETT CREEK: PERCEPTIONS OF AN URBAN STREAM: Discovering why Bassett Creek developed as it did and resident perceptions today*”
6. OLD BUSINESS
 - A. Administrative Services Committee Update on Request for Proposals for Administrator
 - B. Resource Management Plan
 - C. Comments on Medicine Lake TMDL Public Meeting (*see attached Barr memo*)
 - D. Mississippi River E. coli TMDL Study– *verbal update*
 - E. Grants Update– *verbal update*
 - F. TAC Recommendations
 - G. Education and Public Outreach Committee - Amending Contract with Writer
7. COMMUNICATIONS
 - A. Chair
 - B. Commissioners
 - C. Committees
 - D. Counsel *
 - E. Engineer
8. INFORMATION ONLY
 - A. Administrative Reviews
 - B. Inspection Memo
9. ADJOURNMENT

Bassett Creek Watershed Management Commission

Minutes of the Meeting of October 15, 2009

1. Call to Order

The Bassett Creek Watershed Management Commission (BCWMC) was called to order at 11:40 a.m., Thursday, October 15, 2009, at Golden Valley City Hall by Chair Welch. Ms. Herbert conducted roll call.

Roll Call

<i>Crystal</i>	Commissioner Pauline Langsdorf, Secretary	<i>Counsel</i>	Charlie LeFevere
<i>Golden Valley</i>	Commissioner Linda Loomis, Treasurer	<i>Engineer</i>	Karen Chandler
<i>Medicine Lake</i>	<i>Not represented</i>	<i>Recorder</i>	Amy Herbert
<i>Minneapolis</i>	Commissioner Michael Welch, Chair		
<i>Minnetonka</i>	Commissioner Kris Sundberg		
<i>New Hope</i>	Commissioner Daniel Stauner		
<i>Plymouth</i>	Commissioner Ginny Black		
<i>Robbinsdale</i>	Commissioner Wayne Sicora		
<i>St. Louis Park</i>	Commissioner Jim deLambert		

Also present: Laura Adler, BCWMC Technical Advisory Committee, City of St. Louis Park
 Derek Asche, BCWMC Technical Advisory Committee, City of Plymouth
 Jack Frost, Metropolitan Council
 Dave Hanson, Alternate Commissioner, City of Golden Valley
 Al Lundstrom, BCWMC Technical Advisory Committee, City of Golden Valley
 Tom Mathisen, BCWMC Technical Advisory Committee, City of Crystal
 Richard McCoy, BCWMC Technical Advisory Committee, City of Robbinsdale
 Stu Stockhaus, Alternate Commissioner, City of Crystal
 Liz Stout, BCWMC Technical Advisory Committee, City of Minnetonka
 Liz Thornton, Alternate Commissioner, City of Plymouth

2. Approval of Agenda and Consent Agenda

Chair Welch added 6G – update on the Medicine Lake TMDL study. Ms. Herbert requested the addition to the Administrative agenda item 4C of invoice iv to the Lakeshore Weekly News in the amount of \$180.40 for the publication of the September public hearing notice. Mr. LeFevere asked to be removed from the Consent Agenda. Ms. Loomis moved to approve the agenda as amended. Ms. Black seconded the motion. The motion carried unanimously [City of Medicine Lake absent from the vote]. Ms. Black moved to approve the Consent Agenda as amended. Ms. Loomis seconded the motion [City of Medicine Lake absent from the vote].

3. Citizen Input on Non-Agenda Items

No Citizen input on non-agenda items.

4. Administration

- A. Presentation of the September 17, 2009, BCWMC meeting minutes. The September 17, 2009, minutes were approved as part of the Consent Agenda.
- B. Presentation of the Financial Statement. The October financial report was received and filed as part of the Consent Agenda.

The general and construction account balances reported in the October 2009 Financial Report are as follows:

Checking Account Balance	540,539.75
<i>TOTAL GENERAL FUND BALANCE</i>	<i>540,539.75</i>
Construction Account Cash Balance	2,618,005.33
Investment due 10/18/2010	533,957.50
<i>TOTAL CONSTRUCTION ACCOUNT BALANCE</i>	<i>3,151,962.83</i>
-Less: Reserved for CIP projects	3,261,662.25
<i>Construction cash/ investments available for projects</i>	<i>(109,699.42)</i>

C. Presentation of Invoices for Payment Approval.

Invoices:

- i. Kennedy & Graven – Legal Services through August 31, 2009 - invoice for the amount of \$3,285.55.
- ii. Barr Engineering Company – September Engineering Services - invoice for the amount of \$23,284.53.
- iii. Amy Herbert – August Recording Administrator Services - invoice for the amount of \$2,001.79.
- iv. Lakeshore Weekly News – Public Hearing Notice Publication - invoice for the amount of \$180.40.

Ms. Loomis moved to approve the payment of the invoices. Ms. Black seconded the motion. By call of roll, the motion carried unanimously [City of Medicine Lake absent from the vote].

5. New Business

- A. Maintenance of Bassett Creek Watershed Channel Restoration Projects. Chair Welch stated that the Commission discussed last month that the cost of ensuring the establishment of live plant elements of CIP projects and specifically channel restoration projects is part of project implementation costs. Jim Herbert of Barr Engineering put together a memo, included in the meeting packet, on the topic of project maintenance. Chair Welch explained that the memo outlined the various kinds of projects and their structures that require ongoing maintenance. He said the memo is for Commission discussion and that the Commission should provide direction to the Commission's Technical Advisory Committee (TAC) for its discussion and recommended changes to Commission policy.

Chair Welch said the Commission's overall policy is that the Commission pays for implementation of capital projects and the member city in which the project is located pays for ongoing maintenance.

Ms. Chandler said that maintenance of the flood control projects is fairly clearly spelled out regarding the demarcation between where the cities are doing routine maintenance and where the Commission needs to step in. She said that maintenance of water quality and stream restoration projects aren't specifically addressed in the Commission's *Watershed Management Plan* or in the Commission's Cooperative Agreements with the cities and said the Commission may want to look

into that further. She added that Barr didn't make a detailed review of the Joint Powers Agreement for specific language about maintenance.

Chair Welch said it would be interesting to get the TAC's perspective on the idea of using the Commission's capital funds for maintenance if the Commission could displace some of the capital costs with outside funding. He said he would like the Commission to discuss the TAC's recommendation at the November or December BCWMC meeting. He said the Commission wants to be sure that the cities can build and maintain the projects before the Commission levies for the projects. He said that at the same time the Commission wants to reduce costs for the taxpayers if the Commission can get funding from outside the organization and there is a lot of funding available right now.

Chair Welch commented that outside of the funding from the U.S. Army Corps of Engineers for the flood control project, the Commission hasn't used a lot of outside funds so the present opportunities for outside funding will test the Commission's policies. He said the Commission will want to decide how to deal with the possibility of receiving outside funds. Chair Welch stated that one option would be to lower the levy in the next year or another option would be to maintain the levy amount, since Hennepin County has expressed its support for maintaining the levy at a steady amount from year to year, and then use the capital funds to extend the capabilities of the Commission. Chair Welch said that unless there were any objections, he is directing Ms. Chandler to add that issue to the next TAC discussion.

Mr. Stauner remarked that he would like to hear from the TAC on how it would envision the process of funding from the Commission work. He said his understanding is that the Commission levies for the construction of specific projects but if it were to levy for ongoing expenses it would need some sort of ongoing levy. Mr. Stauner said the Commission would need some sort of mechanism to project the ongoing expenses for the project and a mechanism would need to be in place for processing the requests for maintenance for projects. He said he isn't sure on whether the Commission's *Plan* would need to be amended to include discussion of the funding of maintenance.

Ms. Loomis asked if state law dictates that levying for maintenance costs would need to be part of the Commission's *Plan*. Mr. LeFevere said the authority under which the Commission levies is specific to capital projects in the CIP and the projects have to be in the *Plan* as well. Maintenance costs would have to come from the Commission's levy to the member-cities. Chair Welch noted that the TAC would need to consider that important piece of information.

Mr. Sicora stated that the Commission could consider extending the term of the contracts with the contractors regarding the maintenance of plantings so that the contractors are responsible for maintaining them for five years. Chair Welch said he would consider those costs as implementation costs. He said that maintenance has long been an issue when the Commission has considered permit applications and in its consideration of capital projects. Ms. Black commented that she would like the Commission to build some flexibility into the policy so it could consider funding a portion of maintenance costs in the case where they are unusually expensive (e.g., chemical treatment facilities).

Chair Welch stated that the TAC should consider in its discussion that there needs to be a written commitment built into the Cooperative Agreements that the Commission has with its member cities and that the Commission may need to look into a *Plan* amendment to solidify the policy even if the Minnesota Board of Water and Soil Resources doesn't require it. He said he thinks a maintenance declaration, where the maintenance and schedule is recorded on the deed, is an effective tool. Chair Welch commented that Barr may need to amend its memo before it goes to the TAC for its discussion at the November TAC meeting.

Mr. Stauner remarked that he thinks the TAC should also look at how ongoing maintenance as part of a proposed capital project should affect the Commission's evaluation of the project for inclusion in the CIP. He said ongoing maintenance costs for projects would need to be evaluated.

Mr. LeFevere remarked that the cities may not be too happy about having their own citizens paying for maintenance for projects in their own cities and then also being levied by the Commission to pay for maintenance for projects in their own cities. Chair Welch said the Commission needs to be able to say what outcome it needs but the cities determine how to accomplish the goal. Chair Welch said he would be glad to review Barr's revised memo before it goes out to the TAC.

- B. **BCWMC's Review of City of Crystal's Local Surface Water Management Plan.** Chair Welch said that Ms. Chandler of Barr has completed the review of the City of Crystal's Local Water Management Plan and asked Ms. Chandler if she wanted to bring any particular items to the Commission's attention. Ms. Chandler noted that Barr and the City of Crystal hadn't yet had the opportunity to discuss Barr's draft comments but she is interested in hearing any comments from the City. She stated that overall the plan was good. She said the plan doesn't discuss all of the different kinds of projects that need to be reviewed by the Commission besides the water quality projects. Ms. Chandler also stated that the plan needs to clarify the Commission's role in the city's permitting process. She explained that in her memo detailing the review, the items in bold are the items that the Commission is either requiring or requesting the City to address.

Ms. Chandler said there is a correction on page 7, items 20 and 21. She said the bold text for those two items needs to be deleted and that those two items meet the requirements. Ms. Chandler noted that the City of Crystal included its streambank inventory in the Plan's appendix. She said the Plan also incorporates the City's MS4 SWPPP. Chair Welch added that the Metropolitan Council delivered its comments on the plan to the Commission already. Ms. Chandler stated that the Met Council reviewed the plan and stated that the plan is fine. Chair Welch moved for the Commission to forward Barr's memo, with the corrections discussed by Ms. Chandler, to the City of Crystal for its response. Ms. Loomis seconded the motion. The motion carried unanimously [City of Medicine Lake absent from the vote].

C. **Education and Public Outreach Committee**

- a. **Teacher Focus Group.** Ms. Langsdorf said the Committee would like to hold a focus group of teachers of several grade levels to find out what type of watershed education resources they have, what type they need, what type of materials they would use, what barriers they encounter when they use the current watershed education resources, what types of barriers they see to applying to for BCWMC education grants, and how the Commission can better direct the grant program.

Ms. Langsdorf said there are a number of members serving on the Committee that have extensive experience working with the schools and who have volunteered to put together the focus group and to chair it. She said the Committee would like to invite up to ten teachers and to provide each participant with a stipend of \$100 for participating in the focus group with a maximum cost to the Commission of \$1,000. She said there are funds available in the budget since the cost of the "10 Things" brochure was six cents per brochure rather than the twenty-five cents per brochure cost that was anticipated.

Ms. Sundberg asked if the Committee thinks the stipend would be necessary for the Committee to get individuals to participate in the focus group. Ms. Langsdorf said she didn't know if it were necessary but that she sees their participation as service to the Commission in a consultant capacity. Ms. Sundberg said she is more familiar with

focus groups in the business sector and said that although she sees the stipend amount as reasonable she just sees it as payment to them for helping us ultimately help them. Chair Welch remarked that there should be a diversity of teachers who participate in the focus group and the participants should be teachers who have experience and an interest in watershed issues. He also commented that the group facilitations need to be designed to get the broadest possible impact. Ms. Black said the Committee would be interested in any recommendations for possible participants. Mr. Stauner commented that he thinks the focus group is worth the investment.

Ms. Sundberg moved to approve the funds up to \$1,000 for the Education Committee to facilitate the focus group. Mr. Stauner seconded the motion. The motion carried unanimously [City of Medicine Lake absent from the vote].

- D. **Ballpark Authority Easement Agreement.** Mr. LeFevere said the legal counsel for the Ballpark Authority (BPA) sent a proposed storm sewer easement. Mr. LeFevere said the easement has a lot of problems with it and it contains proposed changes that would be disadvantageous to the City of Minneapolis and the BCWMC. He said Mr. Kremer is contacting the BPA to try to get the BPA to reimburse the BCWMC for its costs associated with dealing with the easement issue. Mr. LeFevere said he hasn't yet heard from Mr. Kremer if the BPA has responded. Mr. LeFevere said it is important that the City of Minneapolis play a central role in handling the issue. Chair Welch said this is just an informational item for the Commission.

6. Old Business

- A. **Circle Park Pond Improvements: Plymouth.** Ms. Chandler reported that Circle Park Pond is tributary to Parkers Lake. She said the pond is a treatment project for treating water that would go into Parkers Lake. Ms. Chandler said the project was authorized by the Commission in 2005 and a Cooperative Agreement was put into place with a project cost of \$42,000. She explained that the Commission Engineer reviewed the plans and saw that a skimmer structure was necessary, which added \$14,000 to the project cost.

Ms. Chandler stated that an amendment to the agreement was drawn up and approved by the Commission in January 2006 but it was recently discovered that the amendment had not been executed. She said the Commission needs to sign the amendment. Chair Welch added that the Commission levied for the \$42,000 but not for the additional \$14,000 so those funds would need to come out of the closed project account. Mr. LeFevere added that when he reviewed the meeting minutes from January 2006 he read that Mr. Kremer explained that Commission funds were left over from other projects and could be used for the \$14,000 project cost increase. Mr. LeFevere stated that it was the first time the Commission was using funds from the closed account fund, which was established in October 2005.

- B. **Proposed BCWMC Projects for Clean Water Fund Grant.** Chair Welch explained that the application process opened today for the Minnesota Board of Water and Soil Resources (BWSR) Clean Water Fund grants. He said the Commission has identified the Plymouth Creek and the Bassett Creek Main Stem restoration projects as good candidates for funding. Ms. Chandler said that the Northwood Lake project (NL-2) would also be a good candidate. She said she has a few more comments after receiving information at a BWSR-run informational meeting she attended yesterday on the grant funds and the application process. Ms. Chandler said the application is online in the form of a spreadsheet and applications are due December 1.

She said that the memo from Barr in the meeting packet had discussed the potential for applying for grant funds for the Wirth Lake outlet structure. However, Ms. Chandler noted that the Wirth Lake TMDL is not yet completed and the structure modification is not yet part of the TMDL

implementation plan, and the structure modification is not identified on the Commission's CIP. In discussing the idea with BWSR staff at the meeting, she thinks that other projects applying for funding would get higher priority. For that reason, Ms. Chandler recommends holding off on applying for the grant funds for that project until it is in the TMDL implementation plan and/ or the Commission's CIP.

Ms. Chandler said the funding comes through the legislature each year, which means that next year there could be differences in the application process or in the guidelines for which types of projects qualify. She said that the legislature required that the funds be used for long-term projects, which means projects that show benefits for ten years or longer. Ms. Chandler said the message she heard was that biological control projects, such as carp management and aquatic plant management, don't meet that long-term qualification because it can't be shown that the benefits of those types of projects last for ten years. She said another message from the meeting was that even though the grant recipients have two years to spend the funds, the more ready the projects are to be implemented, the more likely they are to receive funds.

Chair Welch said that given that information, since the Plymouth Creek and Bassett Creek Main Stem projects have been ordered, they are really ready to go and since the Northwood project hasn't been ordered yet, maybe it is less of a candidate.

Ms. Black asked if a funding match is required. Ms. Chandler said yes. Ms. Black commented that generally matches cannot come from other state or federal funds. Ms. Black asked if County money can be used for the match. Chair Welch said yes unless the County's money was federal or state funds. Chair Welch recommended holding off on applying for grant money for the Wirth Lake outlet project until next year when it would hopefully be part of a TMDL implementation plan. He requested that Barr speak with Joel Settles to find out when Hennepin County will make its decision on how it's going to use its funding. He also directed Barr to follow up with Golden Valley and Plymouth with regard to applications. Mr. Stauner asked about the status of a project in Plymouth regarding a wetland near Highway 169. Mr. Asche replied that it is in the City's CIP and is briefly mentioned in the City's Local Surface Water Management Plan. Chair Welch said it is also in the BCWMC's CIP. Ms. Chandler said it is in the BCWMC's CIP for construction in 2011 – 2012. Chair Welch asked Barr to follow up with the City of Plymouth on its proposed timing for that project and to complete the grant application for the Plymouth Creek and the Bassett Creek Main Stem restoration projects.

Ms. Langsdorf reported that Brad Wozney, BWSR, attended the last Joint Education and Public Outreach meeting. She said that the group asked him about funding from the grant program for education and public outreach. She said he responded that when included as part of a larger project application that funding is available for public outreach-type education. He said projects applying for funding would rank higher if there was a component of public outreach. Ms. Langsdorf stated that Mr. Wozney specifically stated that "a civic engagement piece is important in 2010 funding."

Ms. Chandler asked if the cities are going to be taking the lead in completing the grant application or if the Commission will be taking the lead. Chair Welch stated that she should discuss that with the cities but that he feels the Commission should take the lead if the cities wish and are comfortable with it. He said he thinks it would look better for a joint powers organization to apply than for a city alone. Chair Welch said he thinks it would be overkill for the cities to provide letters of support but Barr should ask BWSR if the Commission should get letters of support. Ms. Black said BWSR should be asked whether it makes any difference who applies as long as if it is the city applying then there is a letter of support from the Commission stating that the cities typically manage the projects for the Commission and therefore the cities are the ones applying for the grant and so on.

Chair Welch said that it makes sense to him that since the Commission is the funding entity then it should be the applicant. Ms. Black asked if the Commission would manage the funds. Mr. LeFevere said the cities could be sub-grantees. Ms. Black said that means the cities would manage the funds anyway. Chair Welch said he is inclined for the Commission to apply for Northwood also unless the Commission receives feedback from BWSR that the project wouldn't be a competitive applicant. Ms. Chandler said there may be a problem if the city's CIP shows the project as a 2012 or later project. Chair Welch said the city may be willing to push the project up if there is funding available. Ms. Black said the City still has the opportunity to change the timing in the City's CIP.

Ms. Chandler said that Mr. Wozney mentioned at yesterday's meeting that projects that are still in the feasibility stage should wait.

Chair Welch asked if Ms. Chandler needed more direction than has already been discussed. Ms. Chandler said no but if Barr gets into the process and finds it is different than expected, she would want the opportunity to discuss it with the Commission. Chair Welch said Ms. Chandler should contact him and then, if it is deemed necessary, a meeting of the Commission's Executive Committee could be called. He pointed out that there is one more Commission meeting before the application deadline.

Ms. Chandler said the Minnesota Conservation Corps (Conservation Corps) was at yesterday's forum. She said the Commission could utilize them as the Commission would a contractor regarding maintenance and inspections of plantings and it would be fairly low cost. She said the Conservation Corps also gets an annual \$500,000 grant directly from BWSR so if a Commission project qualifies for funding then the Commission may not need to pay all of the costs.

Chair Welch said the Commission should keep that idea on its radar and asked Barr to mention the idea in the discussion with the TAC at its November meeting. He said Barr could let the TAC know that the Commission could facilitate contracts with the Conservation Corps and bring in those funds.

Mr. LeFevere added that the Commission prioritized projects for inclusion in the CIP and more projects than the ones listed in the 10-year CIP have been identified in the Commission's *Plan* as CIP projects. Mr. LeFevere suggested that in regard to available grant funds the Commission could consider moving forward some CIP projects not originally listed on the 10-year CIP. He said the Commission could either use grant funds for CIP projects as a way of reducing the cost of those projects to the Commission and member-cities or the Commission could spend the amount of money originally budgeted and complete more water quality projects.

Chair Welch reminded the Commission that it added the major component of streambank restoration projects since the Commission developed its original CIP.

Chair Welch asked when the Commission would receive feedback on whether or not it would receive grant funding. Ms. Chandler said BWSR will make its decisions on January 27th.

- C. **Discuss Revisions to the BCWMC's Joint Powers Agreement.** Chair Welch noted that Mr. LeFevere's memo regarding potential housekeeping-type revisions to the BCWMC's Joint Powers Agreement (JPA) was included in the meeting packet. He said the issue in front of the Commission today is whether or not the Commission wants to pursue revising the JPA. Chair Welch added that no recommendations for changes were submitted by commissioners.

Mr. LeFevere reported that from a legal point of view, everything the Commission wants to do can be done under the current JPA. He said the Commission began discussing a revision process for

the JPA because the Commission identified it as a priority during a brainstorming session on future Commission tasks. Ms. Black added that it was an idea included in the brainstorming session because Springsted, Inc. identified it as a potential task in the organizational analysis. Ms. Black said there is only one item listed in Mr. LeFevere's memo that she sees would be helpful if it were revised at this time. She said that memo item number 7 that recommends changing the 45-day mailed notice of public hearings to member cities to align it with the shorter notice requirement of state law. Mr. LeFevere commented there are provisions in the JPA that repeat provisions of state law, which opens up the risk of the JPA needing to be amended if the state law is changed. Ms. Loomis pointed out that it could cause some confusion for people who may not know that state law supersedes the JPA in the case that the state law documented in the JPA is outdated. The Commission decided it would take no action on the JPA.

- D. **Collateralization of BCWMC Funds.** Chair Welch reported that there is a state law requiring that Commission's funds be secured. He explained that the Commission's funds are secure since they are in a non-interest bearing account and the FDIC has a provision that such funds are insured to an unlimited amount. Chair Welch said the provision expires on June 30, 2010, so the Commission will need to revisit the issue.
- E. **Wirth Lake TMDL Study.** Ms. Chandler reported that the draft TMDL report is half complete and will be submitted to the MPCA in November. She said the draft will go to the MPCA before it goes to the Commission. Chair Welch asked if the Commission will receive it by the November meeting. Ms. Chandler said she wasn't sure if it would be ready to send with the November meeting packet.
- F. **Sweeney Lake TMDL Study.** Ms. Chandler said Mr. Leaf asked Barr to report some information. She said Mr. Leaf expects to receive comments from the MPCA in mid-November regarding their review of the draft Sweeney Lake TMDL report. Ms. Chandler said Mr. Leaf explained that the Commission should review the comments, once available, for discussion at the BCWMC's December 17th meeting. She stated that Mr. Leaf also hoped to have a more detailed draft implementation plan distributed to the Commission for its review in time for discussion at the December 17th BCWMC meeting. Ms. Chandler said the Commission should hear back from the EPA's review of the TMDL sometime between February and April, 2010. Chair Welch asked Ms. Chandler to convey to Mr. Leaf that the Commission is eager to see the details of the draft implementation plan at least two weeks prior to the December Commission meeting.
- G. **Medicine Lake TMDL Study.** Chair Welch said he expects to get a draft TMDL report via e-mail today for stakeholder review and for discussion at the October 22nd Stakeholder Committee meeting. He said the public stakeholder meeting will be held on Thursday, October 29th. Chair Welch commented that he thinks the Commission should submit comments on the draft TMDL and he asked Barr to prepare draft comments for the Commission's review at the BCWMC's November meeting.

7. Communications

- A. **Chair:**
 - i. Chair Welch reported that he and Len Kremer of Barr are meeting with the City of Minneapolis at the end of the month. He said the City is undertaking an effort to streamline the city's response to complaints about stormwater flow and problems and he and Mr. Kremer will be meeting with the City to provide information about the Commission's agreement with the City about stormwater contributions to the tunnel and other activities.
 - ii. Chair Welch announced that there is an open house today for the Mississippi Watershed Management Organization at its new facility.

- iii. Chair Welch stated that Alternate Commissioner Ted Hoshal, Medicine Lake, had brought to the Commission's attention the possibility of hearing a presentation from college graduate Alye Bohn on her thesis "*BASSETT CREEK: PERCEPTIONS OF AN URBAN STREAM: Discovering why Bassett Creek developed as it did and resident perceptions today.*" Chair Welch directed Ms. Herbert to work with Ms. Bohn and the City of Golden Valley to arrange a 10-minute presentation by Ms. Bohn at the November 18th BCWMC meeting.

B. Commissioners:

- i. Mr. Stauner reported that the Northwood Lake town hall meeting had a good turnout of approximately 35 people. He said the group will be forming a lake association.
- ii. Mr. Stauner announced that as part of the Shingle Creek Watershed Management Commission he attended its watershed tour last week. He said the tour visited a site in Robbinsdale that is part of the paired intersection study where one part of the intersection is paved with pervious pavement and the other side is paved with regular pavement. He said that of interest to the BCWMC is that the second site of the study will be in Plymouth and in the Bassett Creek Watershed. Mr. Stauner suggested the BCWMC consider joining in on the study, which is being funded by grant money. Chair Welch asked that the Commission receive a presentation on the results of the study as they come forward.
- iii. Ms. Loomis reported that she attended last week's Mississippi River E. coli TMDL stakeholder meeting. She stated that Barb Peichel, MPCA, commented that the Bassett Creek Main Stem may not qualify to be included in the Mississippi River E. coli TMDL due to the MPCA's understanding that the BCWMC has already started its E. coli TMDL. Ms. Loomis said that someone with the BCWMC should call the MPCA to get the details straightened out.

C. Committees:

Education Committee

- i. Ms. Langsdorf announced that Mr. Kremer sent her a great cartoon about picking up dog waste and that she has gotten permission from the cartoonist to reprint it for use in the BCWMC's exhibit.
- ii. Ms. Langsdorf announced that the Meadowbrook Fall Festival will be held on October 24th. She said that three members of the Committee will be representing the BCWMC at the festival.
- iii. Ms. Langsdorf reported that the Committee needs more information on who is currently doing outreach on the BCWMC's projects before the Committee can make a recommendation on what other outreach needs to be done. She said she would like to know how the cities determine how large of an area receives the notice about the projects. Mr. Stauner said it could be something for the TAC to discuss and provide to the Commission. Chair Welch agreed that it would be helpful for the TAC to provide feedback to the Commission on whether the cities have specific policies that they follow and that they could forward to the Commission.
- iv. Ms. Langsdorf reported that the Committee has a meeting scheduled for tomorrow, October 16, at 9:00 a.m. in the Parker's Lake Room at Plymouth City Hall to discuss the teacher focus group.
- v. Ms. Langsdorf said the next Joint Education and Public Outreach Committee meeting will be on November 10th at 8:30 a.m. in the Medicine Lake Room at Plymouth City Hall.

- vi. Ms. Langsdorf said the Education and Public Outreach Committee will meet on November 13th in the Parker's Lake Room at Plymouth City Hall.
- vii. Ms. Langsdorf said that at the last Joint EPOC meeting, Brad Wozney, BWSR, was asking in what ways BWSR could assist. She reported that the Committee decided it would like to have a meeting to put together a framework for a larger public outreach effort and the Committee will be working on that at its November 10th meeting.
- viii. Ms. Langsdorf said the Committee will be looking into the resource "Stormwater U."
- ix. Ms. Langsdorf announced that the second article funded by the Commission was printed in the *Sun Post* for New Hope, Golden Valley, Crystal, and Robbinsdale on the front page and was also printed in the papers for St. Louis Park and Plymouth. She said the article was about adopting storm drains.

Administrative Services Committee

- i. Chair Welch said the Committee met and is proceeding, together with Springsted, Inc., with drafting a request for proposals for administrative services. Ms. Black said the Commission will see the draft at the November meeting.

D. Counsel:

- i. Mr. LeFevere said he has sent to Ms. Herbert the League of Minnesota Cities Insurance Trust memo on the Electronic Communications for Ms. Herbert to forward to the Commission.
- ii. Mr. LeFevere said he spoke to Joel Settles, Hennepin County, regarding the Commission's question on paying for the Main Stem project using funds levied for Plymouth Creek and paying for Plymouth Creek with funds from a later levy. Mr. Settles did not think that would be a problem.

E. Engineer:

- i. Ms. Chandler reported that the draft 2010 impaired waters list includes the chloride listing for Bassett Creek.
- ii. Ms. Chandler said the comment period for the Commission's Resource Management Plan has ended. She said the U.S. Army Corps of Engineers said that comments were received from the Department of Natural Resources and the Historical Society.
- iii. Ms. Chandler said she was contacted by Terrie Christian of AMLAC (Association of Medicine Lake Area Citizens) letting her know that members are looking at researching a redesign of the dam at the outlet of Medicine Lake. Ms. Chandler said Ms. Christian asked if Barr would provide some information. Ms. Chandler asked if the Commission approves of Barr providing a letter to AMLAC that talks about the old and new dams. Chair Welch directed Ms. Chandler to draft a letter for his review prior to it being sent to AMLAC.

9. Adjournment

Ms. Loomis moved to adjourn the meeting. Ms. Black seconded the motion. The motion carried unanimously. The meeting adjourned at 1:55 p.m.

Michael Welch, Chair **Date**

Amy Herbert, Recorder **Date**

Pauline Langsdorf, Secretary **Date**

Bassett Creek Watershed Management Commission General Account
General Fund (Administration) Financial Report
Fiscal Year: February 1, 2009 through January 31, 2010
MEETING DATE: November 18, 2009

CHECKING ACCOUNT 0100339				
BEGINNING BALANCE	8-Oct-09			\$540,539.75
ADD:				
General Fund Revenue:				
Sweep Interest			1.50	
Reimbursed Construction Costs			4,963.25	
		Total Revenue and Transfers In		4,964.75
DEDUCT:				
Checks:				
2189 Lakeshore Weekly News		Pub Hearing Notice	180.40	
2190 Barr Engineering		Oct Services	28,329.33	
2191 Amy Herbert		Oct Services	3,272.62	
2192 Kennedy & Graven		Sept Legal Services	2,564.90	
2193 S E H		St Louis Park Plan Rev	1,200.00	
2194 Judy Arginteanu		Education Articles	900.00	
		Total Checks		36,447.25
ENDING BALANCE	10-Nov-09			\$509,057.25

	2009/10 BUDGET	CURRENT MONTH	YTD 2009/10	BALANCE
OTHER GENERAL FUND REVENUE				
ASSESSEMENTS	449,875	0.00	449,874.00	1.00
PERMIT REVENUE	55,000	0.00	11,500.00	43,500.00
REVENUE TOTAL	504,875	0.00	461,374.00	43,501.00
EXPENDITURES				
ENGINEERING				
ADMINISTRATION	110,000	12,110.50	91,248.57	18,751.43
PLAT REVIEW	55,000	1,906.00	29,697.32	25,302.68
COMMISSION MEETINGS	13,000	490.00	10,508.70	2,491.30
SURVEYS & STUDIES	20,000	3,070.25	14,002.05	5,997.95
WATER QUALITY/MONITORING	49,000	911.25	15,910.85	33,089.15
WATER QUANTITY	11,000	1,065.30	5,684.25	5,315.75
WATERSHED INSPECTIONS	8,000	880.00	5,729.00	2,271.00
ANNUAL FLOOD CONTROL INSPECTIONS	10,000	844.50	844.50	9,155.50
REVIEW MUNICIPAL PLANS	6,000	4,015.00	4,113.00	1,887.00
ENGINEERING TOTAL	282,000	25,292.80	177,738.24	104,261.76
ADMINISTRATOR	35,000	0.00	0.00	35,000.00
LEGAL COSTS	18,500	1,552.60	12,564.88	5,935.12
AUDIT, INSURANCE & BONDING	13,000	0.00	13,745.00	(745.00)
FINANCIAL MANAGEMENT	3,000	0.00	0.00	3,000.00
MEETING EXPENSES	5,100	655.07	3,676.41	1,423.59
SECRETARIAL SERVICES	45,000	2,888.88	27,557.29	17,442.71
PUBLICATIONS/ANNUAL REPORT	4,000	0.00	1,696.50	2,303.50
WEBSITE	1,575	14.25	988.75	586.25
PUBLIC COMMUNICATIONS	3,000	180.40	1,706.25	1,293.75
WOMP	10,000	0.00	3,890.00	6,110.00
DEMONSTRATION/GRANTS/EDUC PARTNERSHIPS	18,200	0.00	6,888.58	11,311.42
EDUCATION / PUBLIC OUTREACH	8,200	900.00	5,020.90	3,179.10
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	506,575	31,484.00	255,472.80	251,102.20

Item 4B.
Financial Report

BCWMC Construction Account (802-1119576)
Fiscal Year: February 1, 2009 through January 31, 2010
November 2009 Financial Report

Beginning Balance	8-Oct-09	2,618,005.33
ADD:		
Interest		
Investment		12,500.00
Sweep		7.31
Market Value Homestead Credit		<u>10,121.38</u>
		2,640,634.02
DEDUCT:		
Construction Costs		<u>4,963.25</u>
Ending Balance:	10-Nov-09	<u>2,635,670.77</u>

Investments	
Federal Home Loan Mtg Corp - Purchased 7/22/09 - Due 10/18/2010 - 0.55% (Current mkt value \$520,710.50)	533,957.50
Total Investments	533,957.50
Construction Account - Cash Balance (detailed above)	2,635,670.77

Total: Construction Fund Cash/Investments	3,169,628.27
Less: Reserved for CIP Projects	3,256,699.00
Construction Cash/Investments Available for projects	(87,070.73)

BCWMC Second Generation Projects	Budget	Current	YTD	Project Total	Balance
Approved CIP Projects:					
2006 Parkers Lake Water Quality Project	42,000	452.50	1,908.94	3,042.69	38,957.31
Twin Lake-expected completion 2006	140,000	0.00	947.45	5,059.35	134,940.65
Westwood Lake - will closed in 2010	312,000	0.00	51,495.42	225,864.90	86,135.10
Proposed CIP Projects:					
Lakeview Park Pond-expected completion 2007		0.00	0.00	637.50	(637.50)
West Medicine Lake Park Pond	1,100,000	0.00	687.00	22,704.06	1,077,295.94
Budget increase Resolution 08-07 (200,000)					
Northwood Lake East Pond	107,250	0.00	0.00	61,077.13	46,172.87
Twins Stadium	0	0.00	0.00	13,469.22	(13,469.22)
Ramada Pond	90,000	0.00	0.00	39.00	89,961.00
Plymouth Creek Restoration	550,000	391.55	7,388.00	67,165.60	482,834.40
Bassett Creek Feasibility Study	0	553.90	9,711.45	9,711.45	(9,711.45)
Resource Management Plan	0	220.00	46,263.21	53,072.71	(53,072.71)

TMDL Projects					
TMDL Studies	115,000	2,612.10	27,899.68	83,613.95	31,386.05
Sweeney Lake TMDL	119,000	733.20	43,209.01	179,905.36	(60,905.36)

Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000	0.00	0.00	0.00	500,000.00
Flood Control Long-Term Maintenance	748,373	0.00	0.00	13,566.33	734,806.67

Annual Water Quality					
Channel Maintenance Fund	175,000	0.00	0.00	2,994.75	172,005.25
	3,998,623	4,963.25	189,510.16	741,924.00	3,256,699.00

Project Reimbursements			
Twins Stadium	0.00	0.00	20,261.74
Sweeney Lake TMDL	0.00	33,693.00	154,123.94

Tax Levy Revenues								
	County Levy	Abatements / Adjustments	Adjusted Levy	Current Received	Year to Date Received	Inception to Date Received	Balance	BCWMO Levy
2009 Tax Levy	800,000.00		800,000.00	10,121.38	388,001.37	388,001.37	411,998.63	800,000
2008 Tax Levy	908,128.08	(850.59)	907,277.49		5,195.95	898,949.25	8,328.24	907,250
2007 Tax Levy	190,601.74	(200.27)	190,401.47		15.27	189,718.99	682.48	190,000
2006 Tax Levy	531,095.47	(1,134.64)	529,960.83		(241.28)	528,550.69	1,410.14	519,000
2005 Tax Levy	450,401.40	(1,429.91)	448,971.49		23.06	448,659.57	311.92	438,000
2004 Tax Levy	1,000,790.48	(6,332.23)	994,458.25		20.19	995,178.67	(720.42)	
							<u>422,010.99</u>	

	Parkers Lake Water Quality (Circle Pond)	Twin Lake	Westwood Lake	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Channel Maintenance	West Medicine Lake Park Pond	Lakeview Park Pond	Northwood Lake East Pond	Crane Lake - Ramada Inn Pond	Plymouth Creek Channel Restoration	Bassett Creek Feasibility	Twins Stadium	Resource Mgmt Plan	TMDL Studies	Sweeney Lake TMDL
Original Budget	42,000.00	140,000.00	312,000.00	500,000.00	748,373.00	175,000.00	1,100,000.00		107,250.00	90,000.00	550,000.00	0.00		0.00	115,000.00	119,000.00
Expenditures:																
Feb 2004 - Jan 2005	0.00	1,983.50	0.00	0.00	0.00	0.00	0.00	637.50	0.00	0.00	0.00	0.00	0.00		0.00	0.00
Feb 2005 - Jan 2006	983.75	1,716.70	11,724.12	0.00	3,954.44	2,994.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00
Feb 2006 - Jan 2007	150.00	375.70	162,645.36	0.00	9,611.89	0.00	1,789.25	0.00	0.00	0.00	0.00	0.00	156.75		637.20	0.00
Feb 2007 - Jan 2008	0.00	36.00	0.00	0.00	0.00	0.00	1,835.70	0.00	858.45	0.00	0.00	0.00	13,312.47		23,486.95	89,654.49
Feb 2008 - Jan 2009	0.00	0.00	0.00	0.00	0.00	0.00	18,392.11	0.00	60,218.68	39.00	59,777.60	0.00	0.00	6,809.50	31,590.12	47,041.86
Feb 2009 - Jan 2010	2,300.49	947.45	51,495.42	0.00	0.00	0.00	687.00	0.00	0.00	0.00	6,996.45	9,711.45	0.00	46,263.21	27,899.68	43,209.01
Total Expenditures:	3,434.24	5,059.35	225,864.90	0.00	13,566.33	2,994.75	22,704.06	637.50	61,077.13	39.00	66,774.05	9,711.45	13,469.22	53,072.71	83,613.95	179,905.36
Project Balance	38,565.76	134,940.65	86,135.10	500,000.00	734,806.67	172,005.25	1,077,295.94	(637.50)	46,172.87	89,961.00	483,225.95	(9,711.45)	(13,469.22)	(53,072.71)	31,386.05	(60,905.36)

	Parkers Lake Water Quality (Circle Pond)	Twin Lake	Westwood Lake	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Channel Maintenance	West Medicine Lake Park Pond	Lakeview Park Pond	Northwood Lake East Pond	Crane Lake - Ramada Inn Pond	Plymouth Creek Channel Restoration	Bassett Creek Feasibility	Twins Stadium	Resource Mgmt Plan	TMDL Studies	Sweeney Lake TMDL
Project Totals By Vendor																
Barr Engineering	2,819.94	3,093.10	11,320.87	0.00	9,549.32	0.00	6,276.91	592.50	0.00	39.00	27,301.30	8,766.00	12,064.49	53,072.71	80,842.55	63,853.17
Kennedy & Graven	614.30	1,966.25	503.25	0.00	24.75	354.75	1,427.15	45.00	858.45	0.00	649.40	945.45	1,404.73	0.00	1,059.25	2,902.59
City of Golden Valley	0.00	0.00	0.00	0.00	0.00	2,640.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of New Hope	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60,218.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Plymouth	0.00	0.00	0.00	0.00	0.00	0.00	15,000.00	0.00	0.00	0.00	38,823.35	0.00	0.00	0.00	0.00	0.00
City of St. Louis Park	0.00	0.00	214,040.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Com of Trans	0.00	0.00	0.00	0.00	3,992.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Minneapolis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S E H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100,375.60
Misc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,712.15	12,774.00
Total Expenditures	3,434.24	5,059.35	225,864.90	0.00	13,566.33	2,994.75	22,704.06	637.50	61,077.13	39.00	66,774.05	9,711.45	13,469.22	53,072.71	83,613.95	179,905.36

Amy Herbert · Recording Administrator Services

733 Preakness Lane, Chanhassen, MN 55317

bcra@barr.com · 952-832-2652

November 5, 2009

Bassett Creek Watershed Management Commission (BCWMC)

Attn: Sue Virnig, Deputy Treasurer

7800 Golden Valley Road

Golden Valley, MN 55427

*For contracted services October 1, 2009 through October 31, 2009***Administrative Services to BCWMC**

- Created the October 15th BCWMC meeting agenda; organized packet materials for copying, copied and assembled meeting packets, stuffed and addressed meeting packet envelopes, delivered envelopes to Barr Engineering mail room for Barr to weigh, add postage, and mail; posted meeting packet on BCWMC's Web site and e-mailed link to Commission; e-mailed agenda to agenda list and e-mailed approved meeting minutes to distribution list.
- Maintained BCWMC files; Communicated with BCWMC attorney, Chair, engineers, Deputy Treasurer and commissioners.
- Organized BCWMC monthly invoices; Distributed invoice payments;
- Mailed executed copy of Parker's Lake Agreement Amendment to City of Plymouth; Prepared TAC meeting agenda; Mailed each Hennepin County Commissioner a copy of BCWMC's letter to Joel Settles in support of County grant funding for Golden Valley and Plymouth stream bank stabilization projects; Mailed to City of Crystal the BCWMC's comments on the City's LWMP; Updated Commission roster with new e-mail addresses; E-mailed AMLAC's newsletter to Commission; Gathered and sent to Sue Virnig copies of BCWMC's financial audits from 1969 – 1979; Forwarded to Commissioners the LMCIT memo on Open Meeting Law practices.
- Prepared meeting notice for the Education and Public Outreach Committee's October 8th meeting; the Joint EPOC's October 13th meeting, and the Administrative Services October 12th and 29th meetings.

39.25 hours @ \$57.00 per hour	\$2,237.25
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Web Site Services to BCWMC

Updated roster;

0.25 hours @ \$57.00 per hour	\$14.25
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Coordination with BARR Engineering

Coordinated with Barr on: distribution of tasks assigned at BCWMC meeting and meeting materials for 11/5 TAC meeting;

0.75 hours @ \$57.00 per hour	\$42.75
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BCWMC Meetings

Coordinated and attended October 13th conference call with Chair Welch, Karen Chandler, and Len Kremer; Set up and attended October 15th BCWMC meeting (coordinated room reservation; ordered and received catering; prepared and provided handouts not provided in meeting packet; recorded meeting)

5.50 hours @ \$57.00 per hour \$313.50

Administrator Budget Charges

No Administrator Budget Charges for October

0.00 hours @ \$57.00 per hour..... \$0.00

Expenses

October BCWMC meeting catering \$297.90; November BCWMC meeting catering \$357.17

\$655.07

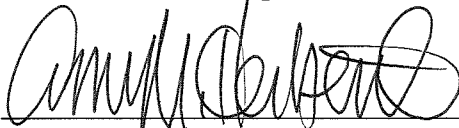
Mileage

Mileage from Chanhassen to Golden Valley City Hall for October 15th meeting (16.76 miles x 0.585 = \$9.80);

\$9.80

Subtotal Administrative Services	\$2,603.30
Subtotal Web Site Services	\$14.25
Subtotal Meeting Catering Expenses	\$655.07
Subtotal Administrator Budget Charges	\$0.00
Total Current Billing:	\$3,272.62

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 ahoffer@damico.com

INVOICE #

44609

BILL TO

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

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

P.O. NUMBER		TERMS		DELIVERY DATE	DAY	PPL	DELIVERY TIME	
see above		Credit Card		11/18/2009	Wednesday	17	11 AM (10:45-11:15)	
QUANTITY	DESCRIPTION						PRICE EACH	AMOUNT
17	Italian Buffet						12.95	220.15T
1	Cheese Tortellini in a Wild Mushroom Alfredo Sauce (Vegetarian) - In TO GO BOX - Mark Veggie						3.00	3.00T
17	Sliced Roasted Turkey & Homemade Dressing						0.00	0.00T
17	Mashed Baby Red Potatoes						0.00	0.00T
17	Vegetable Du Jour						1.50	25.50T
17	House Salad with French and Ranch Dressing						0.00	0.00T
17	Foccacia Bread, Rolls & Butter						0.00	0.00T
17	Pumpkin Cake						0.00	0.00T
1	Chef's Choice of Mini Desserts-Dozen						21.00	21.00T
3	Full Disposable Chafer-PU Old Ones						4.00	12.00T
4	2 Diet Coke & 2 Sprite						1.25	5.00T
2	Mineral Water						1.25	2.50T
4	Lemonade						1.45	5.80T
18	Spring Water						1.00	18.00T
	Subtotal							312.95
	Delivery Charge						20.00	20.00T
	Metro Sales Tax						7.275%	24.22
Holiday Menus Available!!					Total		\$357.17	

Please note NEW PO BOX as of July 2009

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)_____

ACE Drop-Off Catering

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

RECEIVED

OCT 22 2009

BARR ENGINEERING CO

Invoice

INVOICE #

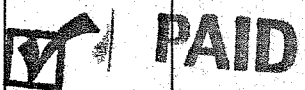
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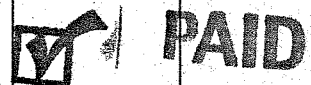
BILL TO

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

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

P.O. NUMBER	TERMS		DELIVERY DATE	DAY	PPL	DELIVERY TIME	
see above	Credit Card		10/15/2009	Thursday	16	11 AM (10:45-11:15)	
QUANTITY	DESCRIPTION					PRICE EACH	AMOUNT
16	Italian Buffet					12.95	207.20T
1	Jumbo Stuffed Pasta Shells with Ricotta and Spinach in a Red Sauce (Vegetarian)					3.00	3.00T
16	Baked Chicken Pasta with Diced Chicken Breast in a Light Pesto Cream Sauce					0.00	0.00T
16	Seasonal Fresh Fruit					0.00	0.00T
16	Caesar Salad & Dressing					0.00	0.00T
16	Foccacia Bread, Rolls.& Butter					0.00	0.00T
16	Assorted Bars & Cookies					0.00	0.00T
1	Dozen-Assorted Bars & Cookies					18.00	18.00T
1	Full Disposable Chafer-PU Old Ones					4.00	4.00T
4	2 Diet Coke & 2 Sprite					1.25	5.00T
2	Mineral Water					1.25	2.50T
18	Spring Water					1.00	18.00T
	Subtotal						257.70
	Delivery Charge					20.00	20.00T
	Metro Sales Tax					7.275%	20.20
							
Thank you for your business.					Total		\$297.90

 PAID

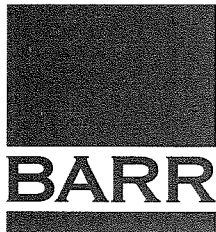
Please note NEW PO BOX as of July 2009

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 WMO
7800 Golden Valley Road
Golden Valley, MN 55427

Page # 1
Invoice # 2327051-2009-9
Project # 23/27-051
Client # 59
November 6, 2009

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
September 26, 2009 through October 30, 2009

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, 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; reviewed WOMP monitoring parameters; review of current monitoring on Bassett Creek; internal meeting regarding Hennepin County governance study; correspondence with City of Golden Valley staff; provided BCWMC budget information to Hennepin County; reviewed Hennepin County Plan and discussed with Hennepin Co. staff.

James P. Herbert, Principal Engineer/Scientist	
1.2 hours @ \$140.00 per hour	\$ 168.00
Leonard J. Kremer, Principal Engineer/Scientist	
13.4 hours @ \$155.00 per hour	\$ 2,077.00
Karen L. Chandler, Senior Consultant	
1.4 hours @ \$140.00 per hour	\$ 196.00
Technicians/Administrative	\$ 286.50
Expenses (copies)	\$ 3.00
Subtotal, Technical Services	\$ 2,730.50

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments; provided watershed hydraulic information, flood profiles and BCWMC development requirements to applicants; communication with applicant regarding BCWMC requirements for site expansion at St. Ann site in Minneapolis; telephone discussion regarding proposed development near Sweeney Lake in Golden Valley; telephone conversation with Welch Companies regarding proposed site redevelopment; telephone conversation with Westwood Engineering regarding proposed site redevelopment.

James P. Herbert, Principal Engineer/Scientist	
2.9 hours @ \$140.00 per hour	\$ 406.00
Subtotal, Preliminary Site/Corr	\$ 406.00

MONTHLY MEETING PREPARATION

Preparation of monthly memorandums for BCWMC meeting; reviewed draft BCWMC meeting minutes, agenda and packet materials and discussed comments with Bassett Creek Recording Administrator; conference call with BCWMC Chair regarding meeting agenda; communications with Bassett Creek Recording Administrator; internal meetings regarding agenda, to-do list and meeting packet and October 15 meeting; prepared permit figures; reviewed CIP account balance; prepared BCWMC maintenance memorandum; internal meetings regarding stream restoration maintenance.

James P. Herbert, Principal Engineer/Scientist	
21.9 hours @ \$140.00 per hour	\$ 3,066.00
Leonard J. Kremer, Principal Engineer/Scientist	
9.5 hours @ \$155.00 per hour	\$ 1,472.50
Jeffrey T. Lee, Senior Consultant	
1.5 hours @ \$130.00 per hour	\$ 195.00
Karen L. Chandler, Senior Consultant	
20.2 hours @ \$140.00 per hour	\$ 2,828.00
Subtotal, Monthly Memorandums	\$ 7,561.50

CHANNEL MAINTENANCE FUND

Coordination regarding channel maintenance fund.

Leonard J. Kremer, Principal Engineer/Scientist	
1.0 hours @ \$155.00 per hour	\$ 155.00
Subtotal, Channel Maintenance Fund	\$ 155.00

TAC MEETING PREPARATION

Prepared TAC agenda for November 5, 2009 meeting and coordinated with Amy; prepared draft memo to TAC; communications with Chair Welch regarding draft memo to TAC; revised memorandum and coordinated with Bassett Creek Recording Administrator regarding TAC packet

Leonard J. Kremer, Principal Engineer/Scientist	
4.5 hours @ \$155.00 per hour	\$ 697.50
Karen L. Chandler, Senior Consultant	
4.0 hours @ \$140.00 per hour	\$ 560.00
Subtotal, TAC Meeting Preparation	\$ 1,257.50

Subtotal Technical Services	\$ 12,110.50
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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.

Crest Ridge Corporate Center

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Crest Ridge Corporate Center \$ 64.00

Lowry Avenue Reconstruction

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, Lowry Avenue Reconstruction \$ 96.00

Co. Rd. 9 & 61 Erosion Repair

Erosion control inspection.

Technicians/Administrative \$ 72.00

Subtotal, Co. Rd. 9 & 61 Erosion Repair \$ 72.00

Crown Packaging

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Crown Packaging \$ 64.00

Hen Co Plymouth Library

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, Hen Co Plymouth Library \$ 96.00

Cedar Lake Trail

Erosion control inspection.

Technicians/Administrative \$ 104.00

Subtotal, Cedar Lake Trail \$ 104.00

Zero-Max

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Zero-Max	\$	64.00

Hennepin Co. Regional Trail – Phase 2

Erosion control inspection.

Technicians/Administrative	\$	96.00
Subtotal, Hen Co Regional Trail – Ph 2	\$	96.00

Shops of Plymouth Town Center

Erosion control inspection.

Technicians/Administrative	\$	96.00
Subtotal, Shops of Ply Town Center	\$	96.00

1240 Angelo Drive

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, 1240 Angelo Drive	\$	64.00

Beacon Academy

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Beacon Academy	\$	64.00

Toll Gas & Welding Imp.

Erosion control inspection.

Technicians/Administrative	\$	48.00
Subtotal, Toll Gas & Welding Imp	\$	48.00

Timber Creek

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Timber Creek	\$	64.00

Plymouth Creek Ponds

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Plymouth Creek Ponds	\$	64.00

Teachers Federal Credit Union

Coordination with applicant and city regarding proposed development

James P. Herbert, Principal Engineer/Scientist 2.3 hours @ \$140.00 per hour	\$	322.00
Subtotal, Teachers Federal Credit Union	\$	322.00

Crystal Cub Foods Fueling Ctr

Erosion control inspection.

Technicians/Administrative	\$	80.00
Subtotal, Crystal Cub Foods Fueling Ctr	\$	80.00

2009 Mtka St Rehab-Sherwood Forest Neighborhood

Erosion control inspection.

Technicians/Administrative	\$	112.00
Subtotal, 2009 Mtka St Rehab-Sherwood Forest Neighborhood	\$	112.00

26th Ave/Plymouth Creek Culvert Replacement

Erosion control inspection.

Technicians/Administrative	\$	80.00
Subtotal, 26 th Ave/Plymouth Creek Culvert Replacement	\$	80.00

Plymouth Middle School

Erosion control inspection.

Technicians/Administrative	\$	80.00
Subtotal, Plymouth Middle School	\$	80.00

Laurel Hills Condo

Erosion control inspection.

Technicians/Administrative	\$	112.00
Subtotal, Laurel Hills Condo	\$	112.00

36th Avenue Reconstruction

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, 36 th Avenue Reconstruction	\$	64.00

Subtotal Plat Review	\$	1,906.00
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COMMISSION MEETINGS

Attended October 15, 2009 Commission meeting

Karen L. Chandler, Senior Consultant 3.5 hours @ \$140.00 per hour	\$	490.00
Subtotal, Commission Meetings	\$	490.00

SURVEYS AND STUDIES

Reviewed Medicine Lake historical lake levels; reviewed Medicine Lake dam; prepared memorandum to AMLAC from BCWMC summarizing Medicine Lake historic water levels; communications with Terrie Christian/AMLAC regarding AMLAC newsletter article about Medicine Lake low water levels; coordination with Chair Welch regarding AMLAC memorandum; reviewed grant information from BWSR website; prepared email to Joel Settles regarding grant decision date; reviewed MPCA's SWAG grant program for Bassett Creek; correspondence with Plymouth staff regarding grant applications; correspondence with Chair Welch regarding SWAG grants; telephone call from Barb Peichel/MPCA regarding SWAG and MPCA monitoring goals; reviewed Clean Water Funds (CWF) RFP; communication with Commissioner Langsdorf regarding CWF grants; drafted memo regarding CWF grants and projects; began preparation of BWSR CWF grant application; emails to Chair Welch regarding BWSR and Hennepin county grants; prepared map showing Minneapolis erosion inventory sites

James P. Herbert, Principal Engineer/Scientist	
4.6 hours @ \$140.00 per hour	\$ 644.00
Timothy J. Anderson, Senior Consultant	
1.0 hours @ \$135.00 per hour	\$ 135.00
Karen L. Chandler, Senior Consultant	
14.1 hours @ \$140.00 per hour	\$ 1,974.00
Kevin Menken, Senior Engineer/Scientist	
3.5 hours @ \$90.00 per hour	\$ 315.00
Expenses (copies)	\$ 2.25
Subtotal, Surveys and Studies	\$ 3,070.25

WATER QUALITY MONITORING (Biotic Index Monitoring & Northwood / Rice Lake Monitoring)

Data analyses and preliminary water quality monitoring report preparation for Northwood Lake, South Rice Lake, Sweeney Lake and Twin Lake; preparation for invertebrate monitoring and collection of samples along Bassett Creek and Plymouth Creek; coordination with laboratory for analysis.

Margaret R Rattei, Senior Consultant	
2.7 hours @ \$110.00 per hour	\$ 297.00
Jessica Butler, Engineer/Scientist	
0.3 hours @ \$85.00 per hour	\$ 25.50
Technicians/Administrative	\$ 547.00
Expenses (Mileage, 2WD field vehicle)	\$ 41.75
Subtotal, Water Quality Monitoring	\$ 911.25

WATER QUANTITY

Measured and reviewed lake level elevations as part of the lake-gauging program.

Technicians/Administrative	\$ 912.00
Expenses (Mileage, 2WD field vehicle/mileage)	\$ 153.30
Subtotal, Water Quantity	\$ 1,065.30

WATERSHED INSPECTION

Performed erosion control inspections of construction sites; prepare letter regarding erosion control inspection and improvements required for effective erosion control.

James P. Herbert, Principal Engineer/Scientist	
1.4 hours @ \$140.00 per hour	\$ 196.00

Technicians/Administrative	\$ 528.00
Expenses (Equipment/Mileage)	\$ 156.00
Subtotal, Watershed Inspection	\$ 880.00

FLOOD CONTROL PROJECT INSPECTION

Coordination with City of Minneapolis and Corps of Engineers staff regarding double box culvert inspection; preliminary preparation for annual flood control inspection.

James P. Herbert, Principal Engineer/Scientist	
2.5 hours @ \$140.00 per hour	\$ 350.00
Jacob Burggraff, Senior Consultant	
4.3 hours @ \$115.00 per hour	\$ 494.50
Subtotal, Flood Control Project Inspection	\$ 844.50

REVIEW MUNICIPAL PLANS

Calls to/from City of Crystal's staff and consultant regarding Crystal Local Surface Water Mgmt Plan (LSWMP); reviewed Crystal LSWMP and prepared memorandum and recommendations to BCWMC; correspondence with Met Council regarding review of Crystal LSWMP; attended meeting to discuss Crystal LSWMP review. Coordination with City of New Hope staff regarding final copy of New Hope local water management plan.

Karen L. Chandler, Senior Consultant	
9.5 hours @ \$140.00 per hour	\$ 1,330.00
Sterling Williams, Engineer/Scientist	
16.5 hours @ \$90.00 per hour	\$ 1,485.00
Subtotal, Municipal Plans	\$ 2,815.00

TOTAL ENGINEERING \$ 24,092.80

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Administrative expenses requested by Amy Herbert including: copies, color copies for meeting packet; postage, video digital capture/conversion and BCWMC meeting catering; packet assembly; report assembly,

Technicians/Administrative	\$	75.00
Expenses (B&W/color copies/binding/postage/WebEx Communications)	\$	151.00
Catering (BCWMC meeting date)	\$	<u>-0-</u>
TOTAL SECRETARIAL SERVICES EXPENSES	\$	285.58

PUBLIC RELATIONS

TOTAL PUBLIC RELATIONS	\$	0.00
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CAPITAL IMPROVEMENT PROJECTS

RESOURCE MANAGEMENT PLAN (RMP)

Coordination with Joe Yanta at Corps of Engineers regarding final report.

Leonard J. Kremer, Principal Engineer/Scientist		
1.0 hours @ \$155.00 per hour	\$	155.00
Jeffrey T. Lee, Senior Consultant		
0.5 hours @ \$130.00 per hour	\$	<u>65.00</u>
Subtotal, Resource Management Plan	\$	220.00

CIRCLE PARK POND (PL-6)

Correspondence with Plymouth staff and Amy; reviewed revised drawings and prepared memorandum to BCWMC; coordination with Plymouth and BCWMC regarding amendment to agreement.

James P. Herbert, Principal Engineer/Scientist		
3.0 hours @ \$140.00 per hour	\$	420.00
Michael Strong, Engineer/Scientist		
0.5 hours @ \$65.00 per hour	\$	<u>32.50</u>
Subtotal, Circle Park Pond (PL-6)	\$	452.50

TOTAL CAPITAL IMPROVEMENT PROJECTS	\$	672.50
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TMDL STUDIES

MEDICINE LAKE TMDL

Coordination regarding Medicine Lake TMDL ; communications with Minnetonka and Golden Valley staff; internal meeting regarding October 22 Steering Committee meeting and draft TMDL; review draft TMDL and attended October 29 public meeting; reviewed comments from October 29 public meeting

Leonard J. Kremer, Principal Engineer	
10.2 hours @ \$155.00 per hour	\$ 1,581.00
Karen L. Chandler, Senior Consultant	
4.0 hours @ \$140.00 per hour	\$ 560.00
Gregory J. Wilson, Senior Consultant	
1.5 hours @ \$135.00 per hour	\$ 202.50
Expenses (mileage)	\$ 24.75
Subtotal, Medicine Lake TMDL	\$ 2,368.25

SWEENEY LAKE TMDL

Coordination regarding Sweeney Lake TMDL with BCWMC, SEH, MPCA and BCWMC; reviewed responses to comments on Sweeney Lake TMDL Draft Report; reviewed/edited draft letter to MPCA regarding TMDL report; correspondence with Ron Leaf/SEH regarding draft implementation plan for December Commission meeting

Leonard J. Kremer, Principal Engineer	
3.4 hours @ \$155.00 per hour	\$ 527.00
Karen L. Chandler, Senior Consultant	
1.2 hours @ \$140.00 per hour	\$ 168.00
Subtotal, Sweeney Lake TMDL	\$ 695.00

WIRTH LAKE TMDL

Coordination regarding Wirth Lake TMDL and prepared cost estimate for proposed TMDL implementation for grant request.

James P. Herbert, Principal Engineer/Scientist	
1.0 hours @ \$140.00 per hour	\$ 140.00
Subtotal, Wirth Lake TMDL	\$ 140.00

E-COLI SAMPLING

Coordination regarding E-Coli sampling and laboratory analysis.

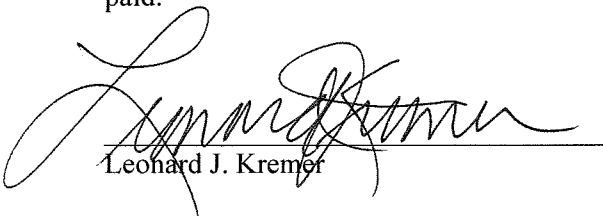
Technicians/Administrative	\$	40.00
Expenses (mileage)	\$	<u>35.20</u>
Subtotal, E-coli Sampling	\$	75.20

TOTAL TMDL STUDIES \$ **3,278.45**

SUMMARY TOTALS

Total Engineering	\$ 24,092.80
Total Secretarial Services Expenses	\$ 285.58
Total Public Relations	\$ 0.00
Total Capital Improvement Projects	\$ 672.50
Total TMDL Studies	<u>\$ 3,278.45</u>
TOTAL PAYABLE	\$ 28,329.33

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

RECEIVED
NOV 03 2009
BARR ENGINEERING CO.  Bonestroo

October 30, 2009

Mr. Len Kremer
Bassett Creek Watershed Management Commission
c/o Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435

Re: Northwood East Sediment Pond Grading – Request for Final Reimbursement
City of New Hope - City Project No. 807
Bonestroo File No. 000034-06188-0

Dear Mr. Kremer,

The New Hope Northwood East Sediment Pond project was approved with the Bassett Creek 2nd Generation CIP on October 18, 2007. The agreement between the Bassett Creek Watershed Management Organization (BCWMO) and the City of New Hope was that the project costs for construction and engineering, originally estimated at \$107,250, would be paid by the city and reimbursed by the BCWMO.

The original project scope was separated into two contracts for grading and restoration. The grading contract work was completed Summer 2009. The restoration contract work was completed Summer 2009 with final acceptance of native seeding and plantings in Summer 2012.

Partial reimbursement for the grading contract work, in the amount of \$60,218.68 was previously requested in March 2009. The project is now being closed out and final grading project costs have been determined to be \$70,972.82. This includes construction and indirect costs.

The City of New Hope is requesting reimbursement in the amount of \$10,754.14, the total grading project costs less the amount previously reimbursed. Enclosed is an invoice registrar for the engineering service on this project along with a copy of the final pay request to the contractor for the construction.

Reimbursement for the remaining restoration costs will be requested when further work has been completed or upon project closeout. Please contact me at 651-604-4938 with questions or comments regarding the project or this request.

Sincerely,

BONESTROO



Jason Quisberg

Attachments

cc: Guy Johnson, New Hope Public Works Director
Kirk McDonald, New Hope City Manager

St. Paul
St. Cloud
Rochester
Milwaukee
Chicago

Engineering
Planning
Innovation

ENGINEER'S COPY

PR/REQ



Owner:	City of New Hope, 4401 Xylon Ave. N., New Hope, MN 55428	Date:	June 16, 2009
For Period:	1/7/2009 to 6/16/2009	Request No:	2 AND FINAL
Contractor:	Doboszinski & Sons Inc., 9520 Cty. Rd. 19, Loretto, MN 55357		


CONTRACTOR'S REQUEST FOR PAYMENT

NORTHWOOD EAST SEDIMENT POND
BONESTROO FILE NO. 000034-06188-0,
CITY PROJECT NO. 807

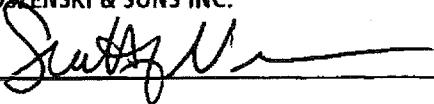
SUMMARY

1	Original Contract Amount		\$	57,100.50
2	Change Order - Addition	\$	0.00	
3	Change Order - Deduction	\$	0.00	
4	Revised Contract Amount		\$	57,100.50
5	Value Completed to Date		\$	41,882.30
6	Material on Hand		\$	0.00
7	Amount Earned		\$	41,882.30
8	Less Retainage 0%		\$	0.00
9	Subtotal		\$	41,882.30
10	Less Amount Paid Previously		\$	35,665.52
11	Liquidated damages -		\$	0.00
12	AMOUNT DUE THIS REQUEST FOR PAYMENT NO. <u>2 AND FINAL</u>		\$	6,216.78

Recommended for Approval by:
BONESTROO

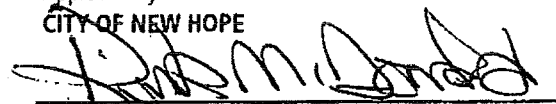


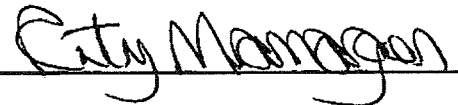
Approved by Contractor:
DOBOSZENSKI & SONS INC.



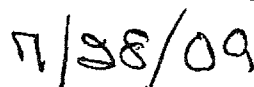
Specified Contract Completion Date:

Approved by Owner:
CITY OF NEW HOPE





Date:



No.	Item	Contract		Unit	Current	Quantity	Amount
		Unit	Quantity	Price	Quantity	to Date	to Date
	BASE BID:						
1	MOBILIZATION	LS	1	2000.00		1	\$2,000.00
2	CLEAR AND GRUB	LS	1	4920.00		1	\$4,920.00
3	COMMON EXCAVATION	CY	2980	9.10	100	2208	\$20,092.80
4	24" CMP FLARED END SECTION WITH TRASH GAURD	EA	1	450.00		1	\$450.00
5	REMOVE AND REINSTALL 24" RCP FLARED END SECTION	EA	1	425.00		1	\$425.00
6	CLASS III RANDOM RIPRAP	CY	120	81.90	36	120	\$9,828.00
7	CULVERT INLET PROTECTION	EA	1	115.00		1	\$115.00
8	SILT FENCE, MACHINE SLICED	LF	250	3.30			\$0.00
9	TEMPORARY CONSTRUCTION ENTRANCE	EA	2	856.00		2	\$1,712.00
10	BONDED FIBER MATRIX	SY	1500	1.08		1275	\$1,377.00
11	MNDOT SEED MIX 100	AC	0.7	1375.00	0.35	0.7	\$962.50
12	SELECT TOP SOIL BORROW (LV)	CY	380	18.75			\$0.00
	TOTAL BASE BID:						\$41,882.30

TOTAL BASE BID:	<u>\$41,882.30</u>
TOTAL WORK COMPLETED TO DATE	\$41,882.30

PROJECT PAYMENT STATUS

OWNER CITY OF NEW HOPE
CITY PROJECT NO. 807
BONESTROO FILE NO. 000034-06188-0
CONTRACTOR DOBOSZENSKI & SONS INC.

CHANGE ORDERS

No.	Date	Description	Amount
Total Change Orders			

PAYMENT SUMMARY

No.	From	To	Payment	Retainage	Completed
1	12/01/2008	01/06/09	35,665.52	1,877.13	37,542.65
2 AND FINAL	01/07/2009	06/16/09	6,216.78		41,882.30

Material on Hand

Total Payment to Date	\$41,882.30	Original Contract	\$57,100.50
Retainage Pay No. 2 AND FINAL		Change Orders	
Total Amount Earned	\$41,882.30	Revised Contract	\$57,100.50

Northwood East Sediment Pond - Invoice Register

Thursday, October 29, 2009

Bonestroo

Job-to-Date through 11/21/09

3:21:17 PM

Project	Date	Invoice	Total
000034-06188-0	8/23/06	134254	174.00
000034-06188-0	9/21/06	135334	2,893.11
000034-06188-0	10/31/06	136756	116.00
000034-06188-0	9/25/07	148304	167.50
000034-06188-0	9/10/08	160364	3,028.51
000034-06188-0	10/2/08	161196	5,733.25
000034-06188-0	10/31/08	162040	
000034-06188-0	10/31/08	162048	2,752.96
000034-06188-0	12/5/08	162981	2,830.44
000034-06188-0	1/20/09	164252	5,988.21
000034-06188-0	2/17/09	164932	869.18
000034-06188-0	3/18/09	165702	694.45
000034-06188-0	4/23/09	166730	593.72
000034-06188-0	6/5/09	167742	1,743.54
000034-06188-0	7/2/09	168607	239.75
000034-06188-0	7/30/09	169669	148.65
000034-06188-0	8/26/09	170556	296.00
000034-06188-0	9/24/09	171472	445.75
000034-06188-0	10/22/09	172587	375.50
Final Totals			29,090.52

INVOICE

VENDOR/FROM:

Judy Arginteanu
3225 16th Ave. S.
Minneapolis MN 55407
tel: 612-729-2183

e-mail:

TO:

Amy Herbert
Bassett Creek Watershed Management Commission/
c/o Barr Engineering
4700 W. 77th St.
Minneapolis, MN 55435-4803

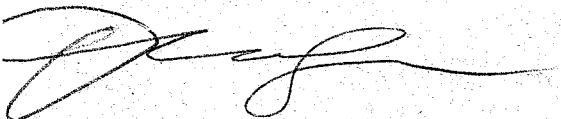
INVOICE # 110409**DATE: 4 November 27 2009**

Please pay \$900 for three articles @ \$300.00 each for the Bassett Creek Watershed Commission on: rainbarrels, shoreline restoration, and storm drain cleaning.

Thank you very much.

Best,

Judy Arginteanu



Request for Taxpayer Identification Number and Certification

Give form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

JUDITH ROSA ARGENTANU

Business name, if different from above

Check appropriate box: ☒ Individual/Sole proprietor ☐ Corporation ☐ Partnership
☐ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶
☐ Other (see instructions) ▶

☐ Exempt
payee

Address (number, street, and apt. or suite no.)

3225 16th Ave S.

City, state, and ZIP code

Mpls MN 55407

Requester's name and address (optional)

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

or

Employer identification number

261 319 5868

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign
Here

Signature of
U.S. person ▶

Date ▶ 4 Nov 2009

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

(612) 337-9300
Tax ID No. 41-1225694

October 20, 2009

Statement No. 92273

Bassett Creek Water Management Commission
Sue Virnig

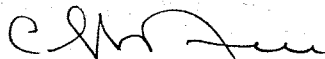
7800 Golden Valley Road
Golden Valley, MN 55427

Through September 30, 2009

BA295-00001 General	1,552.60
BA295-00020 Sweeny Lakes TMDL	38.20
BA295-00024 Medicine Lake Nutrients TMDL	28.65
BA295-00027 2010 Plymouth Creek Restoration (PC-1, PC-2)	391.55
BA295-00028 2010 Bassett Creek Main Stem Restoration	553.90

Total Current Billing: 2,564.90

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

September 30, 2009

BA295-00001 General

Through September 30, 2009

For All Legal Services As Follows:

			Hours	Amount
9/4/2009	CLL	Review draft minutes	0.35	66.85
9/4/2009	CLL	Review materials on waste load allocation	0.20	38.20
9/12/2009	CLL	Work on WOMP agreement	0.50	95.50
9/15/2009	CLL	Phone call from A. Herbert regarding agenda; review RMP notice	0.45	85.95
9/16/2009	CLL	Phone call to L. Kremer regarding WOMP agreement; review agenda materials	0.75	143.25
9/17/2009	CLL	Attend commission meeting	3.30	630.30
9/18/2009	CLL	Phone call to J. Herbert regarding request for access to Hidden Acres files	0.25	47.75
9/22/2009	CLL	Locate and email LMC memo on electronic communication and open meeting law	0.45	85.95
9/26/2009	CLL	Complete first draft of WOMP agreement with park board	0.55	105.05
9/28/2009	CLL	Complete draft WOMP agreement and email to L. Kremer; exchange messages with M. Harris and A. Herbert on donation to the commission; exchange emails with S. Virnig regarding same; phone call from L. Kremer regarding pending issues	1.30	248.30
Total Services:			\$	1,547.10

For All Disbursements As Follows:

9/17/2009	Charles L. LeFevre; Mileage Expense	5.50
Total Disbursements:		\$ 5.50

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

September 30, 2009

Total Services and Disbursements:\$ 1,552.60

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

September 30, 2009

BA295-00020 Sweeny Lakes TMDL

Through September 30, 2009

For All Legal Services As Follows:

			Hours	Amount
9/15/2009	CLL	Review email on Sweeney Lake TMDL	0.20	38.20
		Total Services:	\$	38.20

Total Services and Disbursements:\$ 38.20

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

September 30, 2009

BA295-00024 Medicine Lake Nutrients TMDL

Through September 30, 2009

For All Legal Services As Follows:

			Hours	Amount
9/4/2009	CLL	Review report on P8 model for Medicine Lake	0.15	28.65
		Total Services:	\$	28.65

Total Services and Disbursements:\$ 28.65

Kennedy & Graven, Chartered200 South Sixth Street
Suite 470
Minneapolis, MN 55402Bassett Creek Water
Sue Virnig

September 30, 2009

BA295-00027 2010 Plymouth Creek Restoration (PC-1, PC-2)

Through September 30, 2009

For All Legal Services As Follows:

			Hours	Amount
9/2/2009	CLL	Proof, revise and email draft resolution and agreement for construction	1.00	191.00
9/8/2009	CLL	Email draft agreement on Plymouth Creek to B. Moberg	0.20	38.20
9/9/2009	CLL	Phone call from B. Moberg regarding cooperative agreement	0.10	19.10
9/11/2009	CLL	Email contract to A. Herbert	0.10	19.10
9/14/2009	CLL	Review changes to agreement proposed by A. Barnard; email response to A. Barnard	0.65	124.15
Total Services:			\$	391.55

Total Services and Disbursements:\$ 391.55

Kennedy & Graven, Chartered200 South Sixth Street
Suite 470
Minneapolis, MN 55402Bassett Creek Water
Sue Virnig

September 30, 2009

BA295-00028 2010 Bassett Creek Main Stem Restoration

Through September 30, 2009

For All Legal Services As Follows:

			Hours	Amount
9/2/2009	CLL	Proof, revise and email draft resolution and agreement for construction	1.00	191.00
9/8/2009	CLL	Revise Main Stem agreement and exchange emails with K. Chandler regarding documents; email to J. Clancy regarding same	0.75	143.25
9/9/2009	CLL	Phone call from A. Barnard regarding contract	0.45	85.95
9/16/2009	CLL	Exchange emails on Crystal's participation in Main Stem Project	0.25	47.75
9/25/2009	CLL	Phone calls to J. Oliver and M. Welch regarding Main Stem agreement	0.45	85.95
Total Services:			\$	553.90

Total Services and Disbursements:\$ 553.90



Invoice

Invoice Number: **222862**

FEIN: 41-1251208 | 651.490.2000 | 800.325.2055

Page 1 of 2

BILL TO:

Amy Herbert
Bassett Creek Watershed Management
Commission
7800 Golden Valley Rd
Golden Valley MN 55427

REMIT TO:

3535 VADNAIS CENTER DR
ST PAUL MN 55110

Pay This Amount	\$1,200.00
Due Date	08-NOV-09
Invoice Date	09-OCT-09
Bill Through Date	30-SEP-09
Terms	30 NET
SEH Client #	1305
Client Project #	
Client PO #	109035
Authorized Amount	\$1,200.00
Authorized Amount Remaining	\$0.00

Project Manager / Email / Phone

Ron Leaf / rleaf@sehinc.com / 651-490-2000

Client Service Manager / Email / Phone

Ron Leaf / rleaf@sehinc.com / 651-490-2000

Accounting Representative / Email / Phone

Alizabeth McJames / amcjam@sehinc.com /
651-490-2000

Project #	Project Name	Project Description
109035	BCWMC St Louis Park Plan Rev	St Louis Park Plan Review

Notes:



Invoice

Invoice Number: **222862**

FEIN: 41-1251208 | 651.490.2000 | 800.325.2055

Page 2 of 2

Fee

Description	Amount	
(100% of \$1,200.00) less previously billed of \$0.00	\$1,200.00	
		\$1,200.00

Invoice total \$1,200.00



RISK MANAGEMENT INFORMATION
**ELECTRONIC COMMUNICATIONS
BETWEEN COUNCIL MEMBERS**

Electronic communication such as e-mail correspondence, instant messaging, social media, and blogs and microblogs, can be an unintentional conduit for city officials to violate the Minnesota Open Meeting Law. Elected officials and city committee and board members should be aware of the following issues to avoid inadvertent violation of this law.

The Open Meeting Law

Under the Minnesota Open Meeting Law, Minn. Stat. §13D, meetings of at least a quorum of the city council or one of its committees to discuss city business must be publicized and open to the public, subject to a few exceptions. A primary purpose of the law is to make sure information and deliberations about city business are available to the public.

The law applies to any discussion about city business, not just voting or official actions, and to any gathering of a quorum of the council or committee. In most cities a quorum is three or more council or committee members.

It's easy to imagine situations in which a quorum might gather – coffee at the local café, pre- or post-meeting discussions, a wedding reception or community celebration are all common places in which one or more council members might be present. Such a meeting would create an open meeting concern if the group discussed city business.

Although not an obvious meeting, serial meetings also create an open meeting concern if city business was discussed by a quorum. To understand how a serial meeting occurs, imagine that council member A talks to council member B about a city issue, B talks to council member C about that issue, and C talks to A. Serial meetings also can occur through written correspondence, or telephone conference calls. Any of these scenarios could give rise to an open meeting law violation.

Violating the law carries with it penalties including personal liability for up to \$300 per occurrence and forfeiture of office for officials who intentionally violate the law three times. Reasonable costs and attorney fees also can be awarded if the court finds specific intent to violate the law.

Electronic Communications and the Open Meeting Law

The Minnesota Open Meeting Law has a number of tricky aspects, not the least of which results from increasing reliance on e-mail and other electronic communication between council or committee members.

This material is provided as general information and is not a substitute for legal advice.
Consult your attorney for advice concerning specific situations.

Electronic communication makes a serial meeting easier by allowing council or committee members to forward messages from one person to the next, to respond to one another via blog comments, or to chat via social media vehicles such as Facebook, MySpace or Twitter. Imagine one council member e-mailing another to suggest the pros and cons of a particular city decision. The recipient forwards the e-mail to another council member, along with his or her own comments and interpretations.

Even if the last council member to receive the e-mail doesn't reply to the originator or the council member who forwarded the message, the three members have still discussed city business outside a public forum.

A similar situation could occur if council members respond to one another's blog, comment about city business on Facebook, or communicate via a micro-blog such as Twitter. A violation could be found where serial electronic communications are used to reach a decision.

Many cities are moving toward electronic meeting packets for councils and committees, often sent via e-mail attachments. This sort of one-way distribution of information is fine in terms of the Minnesota Open Meeting Law, remembering that any materials relating to the agenda items of a meeting distributed to members must also be made available to the public as well.

City officials should start to get concerned, though, when one or more council members use the "reply to all" feature in e-mail to respond to the content of the meeting materials, or otherwise begin a discussion by e-mail about the packet, or discuss agenda items on social media sites. This can begin to look a lot like non-public discussion of city business.

Suggestions

One suggestion is that council members never communicate to one-another using electronic means, but instead treat electronic media such as e-mail only as a way to receive information from the city clerk or administrator.

If a council member has information to share electronically with the rest of the group, he or she might send it to the clerk and ask for it to be distributed from the clerk to everyone else (electronically or in paper form).

Using the clerk as the clearinghouse for information distribution is probably a safer alternative than having council members communicate directly, although it doesn't completely eliminate concerns about violating the open meeting law. Even this clearinghouse concept could provide opportunity for three or more council members to exchange opinions about city business, so it's important that the city clerk be aware of and watch for possible issues. Finally, this model would still present problems in Standard Plan cities, where the clerk is also a member of the council.

Learn More

Read more about risks related to electronic communications between council members, and social media and cities, from the League:

[Open Meeting Law Defense Coverage](#)

[Developing a Computer Use Policy](#)

[Social Media and Cities: Questions and Considerations](#)

These items and more are at in the Resource Library of <http://www.lmc.org>

If council members are engaged in direct electronic discussions, it's probably best to limit it to only two members. A "no forwarding and no copying" rule might be a good way to make sure the Minnesota Open Meeting Law isn't unintentionally violated through electronic conversation.

Finally, be careful when council members participate in a listserv, chatroom, forums and social media. Because these groups may include a quorum of your council, one council member's comments will be viewed by other members. If the topic has to do with city business and other council members reply, it could prove problematic under the Minnesota Open Meeting Law.

Again, the city might consider a "no reply" sort of rule when it comes to these resources, or perhaps have council members send ideas for postings or responses to the city clerk or administrator to manage. Remember, too, that official city committees are subject to the same open meeting requirements and should be similarly educated about correct electronic use.

Regardless of precautions, there may be times when council members find themselves accused of violating the Minnesota Open Meeting Law, perhaps having unintentionally engaged in one of these sorts of conversations. One way to diffuse some concern is to immediately release copies of all electronic correspondence to anyone who wants to see it. While this doesn't negate the possible violation, it shows good faith and lack of specific intent to violate the law.

Draft guidelines for electronic communications between council members

Cities might decide to develop policies clarifying appropriate or preferred e-mail and electronic communications use by and between council members. Even if a city doesn't formally adopt a policy, the guidelines here might be helpful for any elected official or city board member to follow.

The purpose of these draft guidelines is to suggest how members of city councils and other city committees might communicate via email and electronic means. A city should review these draft guidelines along with its normal operating procedures, consult with the city attorney and determine the best course of action.

Tom Grundhoefer / Greg Van Wormer 09/09

Guidelines for Electronic Communications between Council Members in the City of _____

These guidelines apply to all members of the city council and all members of council and city committees, commissions, sub-committees, etc. in the City of _____.

For purposes of these guidelines, reference to council members includes members of all other city committees and groups subject to the Open Meeting Law. Reference to the council shall include all such groups and meetings.

For purposes of these guidelines, “electronic means” means email, instant messaging, chatrooms, social media, microblogs and related electronic conversation.

For purposes of these guidelines, “city clerk” means the city clerk, manager, administrator or his / her designee.

These guidelines apply regardless of whether the council member is using a city-provided email address and account, his/her personal email address or account, or one provided by his/her employer; and to all social media accounts to which a council member posts.

Meeting materials

Electronic communication of meeting materials should generally be conducted in a one-way communication from the city clerk to the council.

- Council members may receive agenda materials, background information, and other meeting materials via email attachment or other electronic means (such as file sharing) from the city clerk.
- If a council member has questions or comments about materials received, s/he should inquire via electronic means directly back to the city clerk. A council member should not copy other committee members on his/her inquiry.
- If the clarification is one of value to other council members, the city clerk may send follow-up materials or information to the council.

Materials relating to agenda items of a meeting must also be made available to the public at the meeting.

Communication during council meetings

- Council members should not communicate with one another via electronic means during a public meeting.
- Council members should not communicate with any member of city staff via electronic means during a public meeting.
- Council members should not communicate with the public via electronic means during a public meeting.

Communication outside of council meetings

- Council members should generally act with caution when using electronic means to communicate with one another, being mindful of the Minnesota Open Meeting Law.
- If a council member wishes to share information with other members, s/he should do so through the city clerk. The council member may request the city clerk distribute materials to others. The communication should not invite response to or discussion between any council members, including replies to the person making the distribution request. This should be considered a method for providing one-way information to other members of the council. Again remember that materials relating to agenda items for city business must be provided to the public at the meeting.
- If a council member wishes to address only one other member through electronic means on any topic related to city business, s/he can do so directly, but should be mindful of the following:
 - One-to-one communication is ideal.
 - The recipient of an electronic message or inquiry should reply only to the sender, should not copy others on the reply and should not forward the original communication to other council members.
 - The sender of an electronic message should not forward or copy the recipient's reply to any other council member.
 - Neither the recipient or sender should publish such correspondence on any blogs or other social media site unless it is part of an official communication of the whole of the Council, and part of the city-managed electronic communication strategy.
- If a council member receives an electronic communication from any source related to city business and distributed to multiple council members (i.e. an email sent to the entire council from a member of the public; or an email sent to three council members from a local business), s/he should reply only to the sender. The reply should not be copied to all on the original distribution or forwarded to any other council member.
- If a council member receives listserv distributions, electronic newsletters, or participates in electronic discussion forums, chatrooms, or on Facebook, Twitter or blogs where other council members are also likely to participate, the council member should not reply to any distribution or comment so that the reply is copied to the entire distribution group, or any part of the group that might include other council members. The council member should instead respond only to the sender of any message or inquiry.

Classification and Retention of electronic communications

- Regardless of whether electronic communication by a council member is taking place on a city-provided computer, home computer or other computer system, classification of information as public, private or other is governed by the Minnesota Government Data Practices Act (Minn. Stat. Chapt. 13) and should be treated accordingly.
- Council members should retain electronic communications in keeping with city policies and procedures, whether such communication takes place on a city-provided computer, home computer or other computer system.

October 7, 2009

Mr. Leonard Kremer
Bassett Creek Watershed Management Commission
Barr Engineering Company
4700 W. 77th Street
Minneapolis, MN 55435

RE: Resource Management Plan for Bassett Creek Watershed Commission's Water Quality
Improvement Project 2010-2016
Hennepin County
USACE File Number: 2009-01655-JJY
SHPO Number: 2009-3603

Dear Mr. Kremer:

Thank you for providing a copy of the above-referenced Cultural Resource Management Plan. Inasmuch as this plan is prepared in consultation with the U.S. Army Corps of Engineers, we would expect that the COE will consult with our office pursuant to Section 106 of the National Historic Preservation Act. We look forward to hearing their recommendations on the plan and thereafter completing our review.

Contact us at (651) 259-3456 with questions or concerns.

Sincerely,



Dennis A. Gimmestad
Government Programs & Compliance Officer

cc: Brad Johnson, U.S. Army Corps of Engineers



Minnesota Department of Natural Resources

Division of Ecological Resources
940 Industrial Drive S, Suite 103
Sauk Rapids, Minnesota 56379
320-255-4279 ext. 235

Item 6B

6B

October 2, 2009

Mr. Joseph Yanta
U.S. Army Corps of Engineers
190 Fifth Street East
St. Paul, Minnesota 55101-1638

Mr. Leonard J. Kremer, PE
Bassett Creek Watershed Management Commission
c/o Barr Engineering
4700 West 77th Street
Minneapolis, Minnesota 55435

Re: Bassett Creek Watershed Resource Management Plan; Special Public Notice 2009-01655

Dear Messrs. Yanta and Kremer:

The Minnesota Department of Natural Resources has reviewed the referenced document and offers the following comments for your consideration. The Department concurs with the general concepts laid out in the plan for streambank stabilization. The format of the document is nicely done, and allows for a quick overview of the impacts from each proposed stormwater pond project. However, we request the opportunity to review and comment on detailed plans for each individual work site where streambank stabilization or channel relocation is proposed.

We have concerns about the proposed excavation (creation) of stormwater ponds in wetlands, especially those three projects (GR-2, BC-3, and WTH-2) that propose excavation in public waters, as well as those under Wetland Conservation Act jurisdiction. The Plan correctly notes that Public Waters Work Permits will be required for those projects. As part of the permit process, projects will need to pass a rigorous justification review with a much more thorough discussion of site-specific alternatives. The alternatives analysis on pages 39-41 is not convincing that sequencing has been thoroughly accomplished. More specifically, it appears that alternatives that make greater use of uplands sites next to the wetlands have not been thoroughly evaluated for avoidance opportunities. Mitigation for any unavoidable impacts will likely be required.

Paragraphs 3.3.2 and 5.1.2 discuss Public Water impacts and permitting, but do not clearly note that the creek reaches where stabilization work is proposed are also Public Waters, and individual Public Waters permits may be required depending on the specific stabilization measures proposed at each site. For stream reaches where work is proposed, we encourage the Watershed District to analyze the reaches in their entirety using fluvial geomorphologic principals, and to design individual site stabilization techniques within that context.

An Equal Opportunity Employer Who Values Diversity

The document describes potential impacts to three types of areas of regional significance: Regionally Significant Natural Areas, Regional Ecological Corridors, and Central Region Green Infrastructure. Stormwater ponds are conceptually compatible with both Regional Ecological Corridors and Central Region Green Infrastructure. However, stormwater ponds could alter native plant communities in Regionally Significant Natural Areas. Therefore, we request that the vegetation communities in and near project sites BC-2 and BC-8 be described in greater detail.

Thank you for the opportunity to review the document. For further information from the Department, please contact Area Hydrologist Kate Drewry at 651-259-5753 or Regional Environmental Assessment Ecologist Melissa Doperalski at 651-259-5738.

Sincerely,



Michael R. North

Regional Environmental Assessment Ecologist

Cc: Ian Chisholm, Steve Colvin, Melissa Doperalski, Kate Drewry, Daryl Ellison, Dale Homuth, Joe Kurcinka, Jan Wolff



Barr Engineering Company
4700 West 77th Street • Minneapolis, MN 55435-4803
Phone: 952-832-2600 • Fax: 952-832-2601 • www.barr.com *An EEO Employer*

Item 6C

Minneapolis, MN • Hibbing, MN • Duluth, MN • Ann Arbor, MI • Jefferson City, MO • Bismarck, ND

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 6C – Comments on Medicine Lake TMDL Public Meeting
Date: November 11, 2009
Project: 23/27 051 2009 030

6C. Comments on Medicine Lake TMDL Public Meeting

Recommended/requested Commission actions:

1. Information only, no action needed.

Staff attended the Medicine Lake TMDL public meeting held on October 29, 2009. Attendance at the meeting included MPCA staff, TMDL consultants, Steering Committee members (Commissioners and city staff), plus a number of citizens. Significant comments/questions brought up at the meeting included:

- In response to a citizen question regarding when Medicine Lake water quality improvements could be expected, MPCA staff (John Erdmann) responded that it could take 20 – 30 years for the lake to reach its goal.
- There were many questions, comments, and concerns regarding the post-TMDL monitoring proposed in the draft TMDL report, which calls for a number of activities, including lake water quality monitoring, BMP effectiveness monitoring (including monitoring of individual BMP effectiveness), detailed watershed load monitoring studies five years after TMDL approval, and BMP implementation monitoring by BCWMC. It is not clear who is responsible for all of these possible monitoring activities and exactly what would be required.
- There was a question about the selection of 2006 as the year to define allowable total phosphorus loads, when it was not the year with the worst water quality conditions. MPCA staff responded that 2006 was selected because it was a typical precipitation year and internal loading was less evident that year (the TMDL assumes all of the internal loading is controlled—i.e., no phosphorus loading from internal sources).
- MPCA staff noted that Plymouth Creek could be placed on the impaired waters list in the future, even though it is an intermittent stream (it is not on the draft 2010 list).



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4700 West 77th Street • Minneapolis, MN 55435-4803
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Minneapolis, MN • Hibbing, MN • Duluth, MN • Ann Arbor, MI • Jefferson City, MO • Bismarck, ND

6E

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 6E – Grants Update
Date: November 11, 2009
Project: 23/27 051 2009 030

6E. Grants Update

Recommended/requested Commission actions:

1. Minnesota Pollution Control Agency (MPCA) Surface Water Assessment Grants – Information only, no action needed.
2. Minnesota Board of Water and Soil Resources (BWSR) Clean Water Fund Grants – Decide how much grant money to apply for in the Commission's Clean Water Fund Grants application.
3. Hennepin County Riparian Restoration and Stream Bank Stabilization Program Grants – Prepare a letter to the Hennepin County Board of Commissioners requesting continuation of the grant program.

MPCA Surface Water Assessment Grants and Monitoring

After discussions with MPCA staff, it was concluded that extended E. coli monitoring would not be eligible for the grant because the stream has already been assessed and listed as impaired for that parameter. The deadline for submitting an application for a Surface Water Assessment Grant (SWAG) was November 6th. Prior to the deadline, BCWMC staff looked into whether extended E. coli monitoring on Bassett Creek could be eligible for SWAG funding. E. coli sampling of Bassett Creek began in July 2008 and is slated to continue through June 2010. The Commission is paying for the sample collection, while the MPCA is paying for the laboratory analysis of the samples. In addition to collecting water samples, the Commission has been obtaining streamflow measurements, but only since September 2009. There has been some interest expressed in extending the E. coli monitoring through September 2010, to allow for more paired E. coli and streamflow measurements.

The MPCA plans to monitor all major watersheds in Minnesota on a ten-year rotational basis, and will therefore be targeting six to eight major watersheds each year. The MPCA will be monitoring "target watersheds" during the period covered by the SWAG (2010 and 2011 field seasons). The Mississippi River watershed in the metro area is one of these target watersheds, and Bassett Creek is a target stream site for the monitoring.

MPCA staff indicated that the MPCA plans to collect biological data (fish, invertebrates and vegetation) at two sites on Bassett Creek. One site is on the Main Stem, just downstream of Penn Avenue (not far from the WOMP station), and the other site is on Plymouth Creek, downstream of 26th Avenue. The MPCA will also be using the WOMP station to monitor water chemistry and field parameters. E. coli will also be monitored at the WOMP station. On Plymouth Creek, the MPCA will collect water chemistry grab samples (including E. coli) and field parameters. The BCWMC's monitoring efforts on the creek were discussed with the MPCA, and they were encouraged to talk with Three Rivers Park District staff about their sampling program on Plymouth Creek.

BWSR Clean Water Fund Grants

At their October meeting, the Commission directed staff to apply for BWSR Clean Water Fund grants for three projects in the Commission's CIP:

Project	Estimated Cost	Proposed Year(s) of Implementation
Channel Restoration Projects:		
Plymouth Creek, Medicine Lake to 26th Avenue	\$965,200	2010
Main Stem, Crystal Boundary to Regent Avenue	\$636,100	2010-2011
Stormwater BMP Project:		
Pond NL-2 (Northwood Lake)	\$943,000	2011-2012

In subsequent discussions with city of Plymouth staff regarding the Pond NL-2 project schedule, we determined that it would be premature to apply for a grant for this project. It was recommended that the Commission apply for a grant for this project next year, after completion of a feasibility study and after the Commission orders project. The project will rank higher in next year's grant cycle because the project will be further along in the process, and it is more likely that the project would be completed within the effective period of the grant (i.e., by December 31, 2012).

The grant application are being prepared for the remaining two projects—the channel restoration projects on Plymouth Creek and the Main Stem of Bassett Creek. Although the local match required for the grant is only 25%, we believe the Commission's application will be weighted more heavily if the Commission requests lesser amounts for each project. We recommend that the Commission request \$200,000 in grant funding for each project. Applications are due December 1, 2009.

Hennepin County Riparian Restoration and Stream Bank Stabilization Program Grants

The City of Plymouth and the City of Golden Valley each requested \$200,000 in grant funding from Hennepin County for the Plymouth Creek and Main Stem of Bassett Creek channel restoration projects.

Hennepin County staff anticipates that the county Board will decide/approve the grant awards in late January or early February of 2010. County staff will be submitting their grant award recommendations to the county Board in December, as part of their Board Action Request. The county received 12

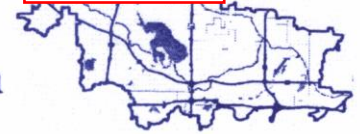
To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Agenda Item 6E – Grants Update
Date: November 11, 2009
Page: 3

applications requesting approximately 1.7 million dollars, slightly more than three times the amount available (\$500,000). Total project costs for these 12 projects/applications were an estimated 8 million dollars. County staff will be contacting applicants for additional information and to arrange site visits, etc. Finalists will be asked to provide more detailed information consistent with the content of a feasibility report, including revised cost estimates and/or preliminary designs prior to staff recommending projects for award. The Commission has already forwarded the feasibility studies for these two projects to Hennepin County.

For 2010, \$500,000 of BWSR's clean water fund grants for streambank, stream channel, and shoreline protection and restoration projects was specifically dedicated to Hennepin County. There is no dedicated funding for Hennepin County in 2011. The number of applications received by the county indicates the need for a continued grant program to address the water quality issues in the county. It is recommended that the Commission prepare a letter to the Hennepin County Board of Commissioners requesting continuation of the grant program.

Bassett Creek Watershed Management Commission

www.bassettcreekwmo.org



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

Memorandum

To: Bassett Creek Watershed Management Commission
From: Technical Advisory Committee
Subject: November 5, 2009, Meeting
Date: November 9, 2009
Project: 23/27-051 2009

The Technical Advisory Committee (TAC) met on November 5, 2009. The following TAC members, city representatives, and staff attended the meeting:

City	TAC Members/Alternates	Other City Representatives
Crystal	Tom Mathisen	Pauline Langsdorf, Commissioner
Golden Valley	Jeannine Clancy	Jeff Oliver
Medicine Lake	Vacant position	
Minneapolis	Absent	
Minnetonka	Absent	Liz Stout
New Hope	Guy Johnson	
Plymouth	Bob Moberg	Derek Asche
Robbinsdale	Absent	
St. Louis Park	Absent	
BCWMC Staff	Len Kremer	

Also in attendance were Jack Frost (Metropolitan Council), and Joel Settles, Hennepin County Environmental Services.

The Technical Advisory Committee (TAC) directed staff to forward the following recommendations to the Commission for its consideration. This memorandum presents TAC recommendations regarding 1) inclusion of Hennepin County's in the group of participants in the TMDL categorical waste load allocations, 2) the review of the Medicine Lake TMDL, and 3) maintenance of watershed projects.

*Michael Welch, BCWMC Chair
 c/o Barr Engineering Company
 4700 West 77th Street
 Minneapolis, MN 55435
 612-385-6885*

*Charlie LeFevre, Attorney
 Kennedy & Graven
 470 US Bank Plaza, 200 South Sixth Street
 Minneapolis, MN 55402
 612-337-9215
 612-337-9310 (fax)*

*Leonard Kremer, Engineer
 Barr Engineering Company
 4700 West 77th Street
 Minneapolis, MN 55435
 952-832-2600
 952-832-2601 (fax)*

1. Hennepin County Participation in the Categorical Waste Load Allocation for TMDLs.

Joel Settles, Hennepin County Department of Environmental Services indicated that he was surprised when he saw some of the draft TMDL reports with individual waste load allocations for Hennepin County. Mr. Settles indicated that the County would prefer to be part of the categorical waste load allocation and that they would participate with the group in the implementation of BMPs. He indicated that County road construction is subject to the City and Commission review processes and that the County would implement whatever BMPs that they can on their ROW, but that there are usually significant space limitations. TAC members indicated that the Commission asked the MPCA to give Hennepin County an individual waste load allocation because an agreement between the County and the Commission was not in place. However, it had also been agreed that if an acceptable agreement could be reached with Hennepin County, the County would likely be welcome to join the categorical waste load allocation group. It was agreed that if an acceptable agreement could be reached in the near future, all of the draft TMDLs could be changed during the review process to include Hennepin County in the categorical waste load allocation. Mr. Settles indicated that he would discuss the possible development of an agreement with other County staff; if they agree that an agreement is possible, he would inform the Commission of this development.

Recommendation

- The TAC recommends that the Commission develop the basis for an agreement with Hennepin County to include Hennepin County as a member of the categorical waste load allocation group; this would allow Hennepin County to participate in the implementation of water quality improvement measures required as part of the TMDL program.

2. Comments on the Medicine Lake TMDL

Staff informed the TAC that the MPCA had indicated that the recently issued draft Medicine Lake TMDL report was incomplete and that they will issue a complete "Review Draft" sometime during the week of November 9. TAC members raised several issues that will likely require comments depending on the presentation of those issues in the new "review draft". The TAC indicated that they do want to comment on the Medicine Lake TMDL, but if a new version of the report is going to be issued, they should base their comments on the latest report. It was indicated that there were comments at both the stakeholders meeting and the public meeting that warranted changes in the first version of the TMDL report. The TAC indicated that because the discussion of this issue would likely take most of the January TAC meeting and the discussion regarding the maintenance of Commission projects would not be completed at this meeting, the Commission should decide if they want the TAC to hold a special meeting to discuss either the Medicine Lake TMDL or the maintenance issue.

Recommendation

- The TAC recommends that the Commission review the need for a special TAC meeting to review the Medicine Lake TMDL report and/or the maintenance of Commission projects.

3. Maintenance of Commission Projects

The TAC noted that the maintenance issue was complex and that the discussion of the issue would likely need most of a full TAC meeting. After a discussion of ideas related to the issue, it was recommended that the Commission should decide if the discussion of this issue could wait until some future TAC meeting, or if the Commission wanted the TAC to hold a special meeting to discuss maintenance of Commission projects.

Recommendation

- The TAC recommends that the Commission discuss if the consideration of this issue can wait for a future TAC meeting or if the TAC should schedule a special meeting to consider this issue and prepare its recommendations.

To: Bassett Creek Watershed Management Commission

From: BCWMC Education and Public Outreach Committee

Re: Amend Contract with Judy Arginteanu

Date: November 8, 2009

Background

The BCWMC has a contract with Judy Arginteanu for writing and marketing articles featuring people in the watershed who demonstrate water quality stewardship in some interesting and/or important way. The amount of the contract was for up to \$900 in 2009 with the funds charged to the Education/Public Outreach budget. Three articles have been written and two have run in the local SunPost and Sun Sailor newspapers. One of the published articles was about the use of rain barrels and the second one was about keeping leaves out of storm drains. The third article that has been written we decided to market to the newspaper in the spring when we feel it will be more timely as it is about shoreline restoration. The invoice for \$900 from Judy Arginteanu is in the BCWMC packet for approval at the November 2009 meeting. The Education/Public Outreach Committee recommends approval of this invoice. We are very pleased with the quality of the writing and the marketing of these articles.

Amendment Requesting the Contract for 2009 be Increased to \$1,200

The Education/Public Outreach Committee requests that the contract with Judy Arginteanu be increased by \$300 (from \$900 to \$1,200) for 2009. We would like to have another article written. We propose this article focus on the use of salt on our roads and the issue of balancing driving safety and environmental impacts of salt runoff to our lakes and streams. This article would feature our public works departments and their efforts to be water quality sensitive while maintaining safe roads.

Recommendation

The Education/Public Outreach Committee recommends approval of increasing the 2009 contract with Judy Arginteanu by \$300 to a maximum of \$1,200 for the purpose of having her write and market another article. This article will focus on issues related to balancing winter driving safety and environmental impacts of salt runoff to our lakes and streams. The additional \$300 in this contract would be charged to the Education/Public Outreach 2009 budget.

BCWMC Education/Public Outreach Committee

11/13/09 – 9:00 a.m. – Plymouth City Hall – Parker’s Lake Room

Members present: Margie Vigoren, Liz Thornton, Stu Stockhauss, Ginny Black and Pauline Langsdorf

Teacher Focus Group

Several teachers have been recommended to the committee and they have been contacted. Five have said they are interested and we are waiting for others to return our calls. The teachers who have stated their interest are a Cooper high school teacher, a teacher from Robbinsdale middle school, a teacher from Noble elementary school (these three schools are in the Robbinsdale School District) – a teacher from Meadowbrook elementary school (in the Hopkins District) - and teacher from Birchview elementary school (the Wayzata District). We are awaiting return calls from two high school teachers (one from Armstrong and one from West Lutheran), and a middle school teacher from (Anwatin Middle School in Minneapolis). We hope to have at least two more teachers recommended and we may need more depending on what we hear from those we’ve contacted. We are attempting to include representatives from a number of school districts as well as teachers from a range of grade levels.

The date that has been chosen is January 14th and we will confirm this with the teachers who we have heard from by e-mail as well as a letter of confirmation to be sent out on BCWMC letterhead.

Meadowbrook Fall Festival

BCWMC was represented at this event on October 24th by Liz Thornton, Stu Stockhauss and Mary Gwen-Lenth. Linda Loomis was also there wearing many hats and spent time greeting and sharing information with event participants along with our education/public outreach committee representatives. The event was well attended (estimate 100 families) and our representatives talked with many participants. Several people realized that their school had received a grant from BCWMC and thanked us for it. From Hennepin County we borrowed an interactive exhibit to simulate water and pollutants going down a storm drain. This demonstration piece works well in this setting. We also handed out copies of the “10 Things You Can Do” brochure and wildflower seed packets.

NEMO – Nonpoint Education for Municipal Officials

At the November 10th Joint EPOC meeting it was reported that NEMO would like watershed organizations to become partners. Currently the watershed organizations who are partners are watershed districts and various agencies along with Mississippi WMO. There is no charge for being a partner although a charter must be signed and participation in training and events (which may have a cost) is expected. The deadline for becoming a partner is December 31, for 2010. We would like to have this on the December agenda for consideration.

Pauline reported that John Bilotta, from NEMO, was at the 11/10/09 Joint EPOC meeting and at that meeting he showed us the Watershed and Lake board games. Pauline was very impressed with these new educational tools and can see many ways in which they would be useful (i.e. with City Councils, Planning Commissions, Environmental Advisory Commissions, WMO’s and Lakeshore Owners Associations). NEMO is in the process of training facilitators to take out these educational tools. John

estimated that it takes about 45 minutes to play the game but with follow up discussion and game introduction it probably takes between an hour and a half to two hours.

Draft Education Plan for Joint EPOC

The BCWMC education/public outreach committee spent some time reviewing the draft Education Plan for the Joint EPOC. We decided that we need to break the draft plan into groups of similar categories and then prioritize these categories. Then we need to prioritize the audiences within each category. Due to the amount of work needed, the Joint EPOC has scheduled a meeting on December 8th to continue work on the draft. It will be several months before this project will be completed. At this time the draft has identified 28 target audiences and we identified two more we would like to add. We will continue to review this at our next BCWMC ed/outreach committee meeting on December 4th.

Amendment to Judy Arginteanu's Contract

Pauline will be late to the November BCWMC meeting and Stu will speak to this board item.

Rain Barrel and Storm Drain Newspaper Articles

We would like to have these articles posted on our website. At the Joint EPOC meeting a WMO commissioner from Elm Creek asked for copies of the articles for their use. Pauline sent copies to him.

Website Hosting

We feel that this is a policy discussion that needs to take place at the Commission level. Ginny provided us with examples of costs and companies that host websites. We recommend that this discussion be on the January agenda - there is no urgency on this topic.

Next Meetings

BCWMC Education/Public Outreach Committee – Friday, Dec. 4th at 9:00 a.m. – (Plymouth City Hall – location unconfirmed as this writing)

Joint EPOC – Tuesday, December 8th at 8:30 a.m. – (Plymouth City Hall – location unconfirmed as of this writing)

Notes by Pauline Langsdorf

Bassett Creek Watershed Management Commission

www.bassettcreekwmo.org



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

Memorandum

To: Terrie Christian, President, Association of Medicine Lake Area Citizens (AMLAC)
From: Barr Engineering Company
Subject: Medicine Lake Water Levels and Outlet Structure
Date: October 22, 2009
Project: 23/27 051 2009 030

The Bassett Creek Watershed Management Commission (BCWMC) has been requested to comment on the recent low water levels at Medicine Lake and the design of the existing Medicine Lake dam.

Medicine Lake Water Levels

The BCWMC has monitored Medicine Lake water levels since 1972. During the last 37 years, Medicine Lake, as well as other metro lakes, has experienced periods of drought and periods of high water. The period of low water levels observed at Medicine Lake during summer 2009 was typical of several lakes in the metro area. The Minnesota Department of Natural Resources (DNR) Hydrologic Conditions Report for September, 2009 reports that lake levels remained below normal for indicator lakes in the metro area. Indicator lakes with below normal water levels included Lake Minnetonka in Hennepin County, Upper Prior Lake in Scott County, and White Bear Lake, on the border of Ramsey and Washington Counties. White Bear Lake had its lowest September water level on record. Significantly low water levels have also been noted at Parkers Lake in the city of Plymouth. According to the Hydrologic Conditions Report, precipitation for the metro area for the period of April 1, 2009 – September 28, 2009 was 6 to 9 inches below normal; the report is included as an attachment to this memo.

The low water levels in 2009 are not unique; Medicine Lake has experienced similar periods of drought and low water levels in the past, as indicated in Figure 1. Water levels as low, or lower than, 2009 low water levels have been measured at Medicine Lake in 13 of the 37 years of which water levels have been recorded. These 13 dates are called out on Figure 1.

*Michael Welch, BCWMC Chair
c/o Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435
612-385-6885*

*Charlie LeFevre, Attorney
Kennedy & Graven
470 US Bank Plaza, 200 South Sixth Street
Minneapolis, MN 55402
612-337-9215
612-337-9310 (fax)*

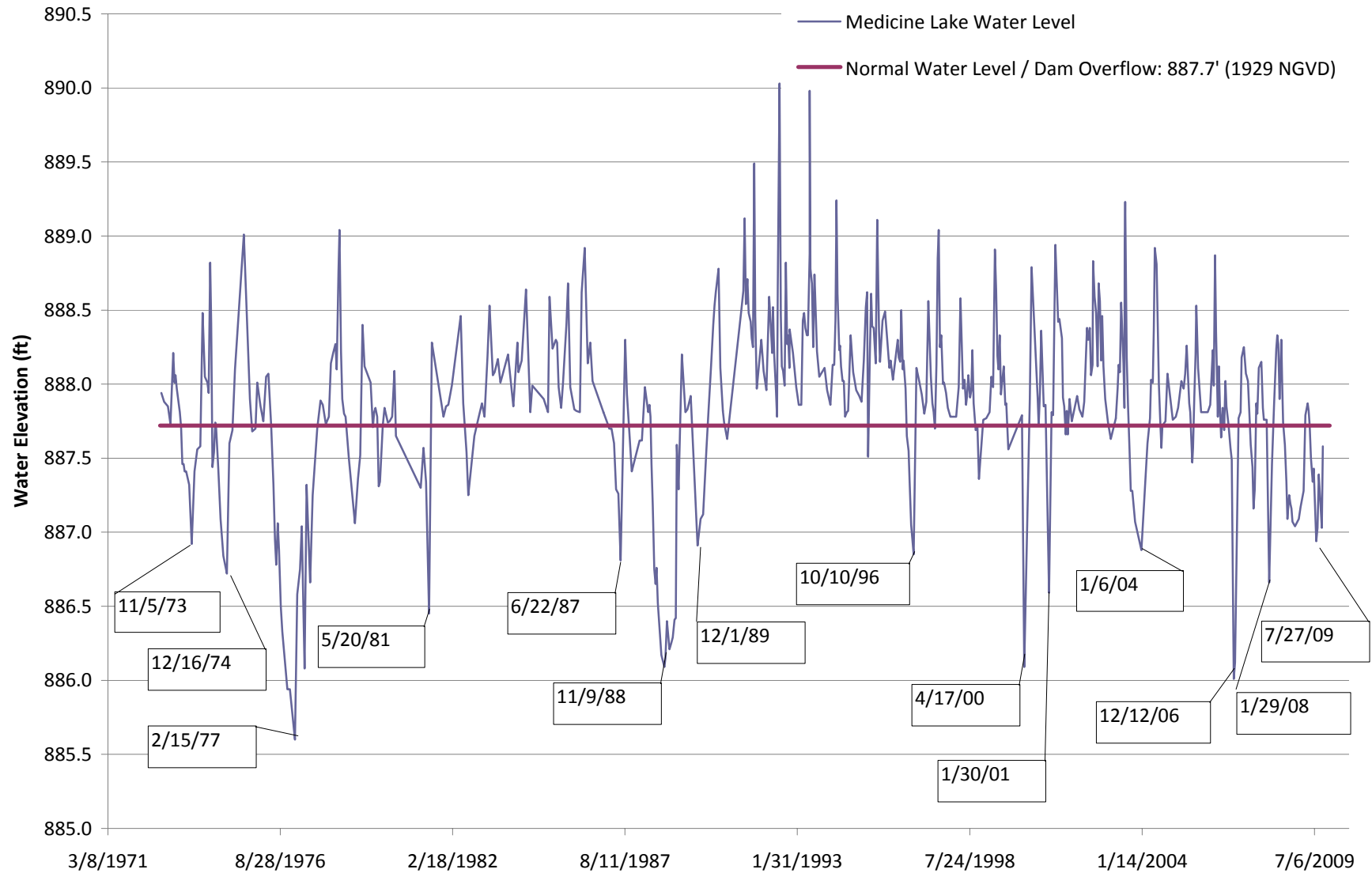
*Leonard Kremer, Engineer
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435
952-832-2600
952-832-2601 (fax)*

Medicine Lake Outlet/Dam

The Medicine Lake outlet/dam is located at the south end of the main basin of the lake, near South Shore Drive. The outlet/dam is 14 feet wide at the normal level; the structure discharges water from Medicine Lake directly to Bassett Creek. The outlet structure maintains the normal water elevation of Medicine Lake at approximately 887.7 feet (NGVD 29). (The normal water elevation is the elevation at which water will begin to flow out of the lake/over the control structure). The discharge (normal) elevation of the structure is approximately three feet above the level of the creek channel. The BCWMC, City of Plymouth, DNR and Hennepin County replaced the Medicine Lake outlet structure because the old dam had deteriorated and was leaking severely, and because additional capacity was needed for flood flows. The new/current structure was constructed to the same normal water elevation as the previous structure, as required by the DNR permit. The structure was designed to minimize seepage and other leakage from the structure. The “stepped” weir (outlet) of the current structure was designed and installed, in close coordination with the DNR, to address fisheries concerns and to minimize the duration of potential flooding during high flows. Changing the current outlet structure would not have any effect on the current drought conditions because the water level is already below the crest (normal level) of the dam. Modifying the outlet structure by reducing the width of the dam crest or installing a v-notch weir, would slow the release of water from the lake, and temporarily maintain higher water levels; however, it would also increase the flooding potential at several of the low homes around the lake. Any proposed modifications to the existing structure would require detailed analysis and approval from the DNR, BCWMC, the city of Plymouth, and the city of Medicine Lake to ensure changes do not increase flooding impacts.

Figure 1: Medicine Lake Water Levels 1972-2009

October 19, 2009



Minnesota Department of Natural Resources

Division of Waters

Hydrologic Conditions Report

September 2009

Summary

This is the third installment of the monthly Hydrologic Conditions Report. For comparative purposes please reference the previous 2009 reports at:

http://mndnr.gov/current_conditions/hydro_conditions.html

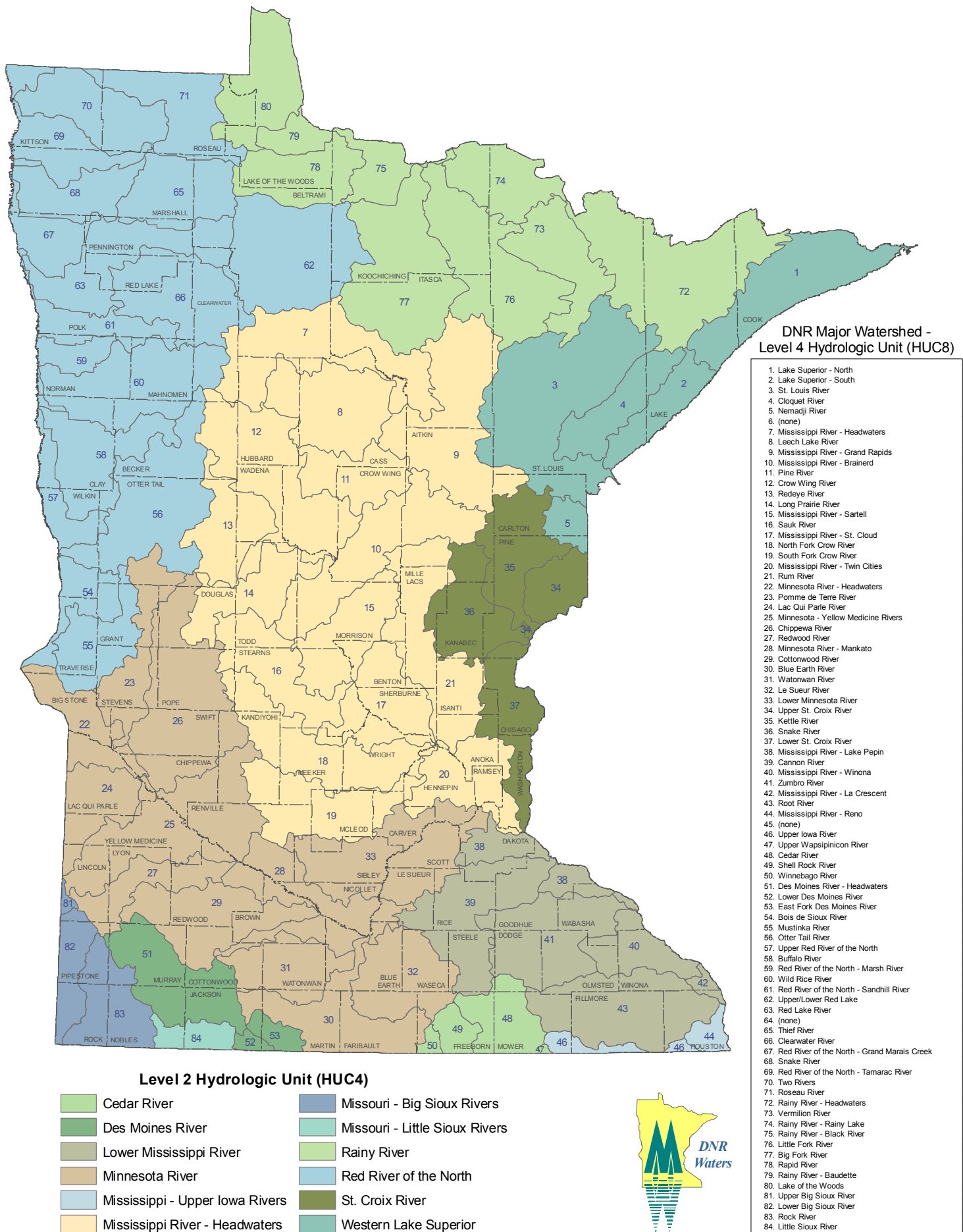
The significant rains in August were followed by the one of the warmest and driest Septembers in the modern record. Precipitation for the growing season (April through September) fell short of normal by five or more inches in many locales.

- By late September, 30% of Minnesota's landscape was placed in "Moderate", "Severe", or "Extreme" drought categories by the U.S. Drought Monitor. In many counties, the 2009 growing season ranked among the 10 driest ever.
- Stream flows in September declined through much of the state. Flows in the central part of the state, upper Mississippi River basin and the southeast fell to below normal or less with flows at some indicator gages below the 10th percentile when compared to historical flows for September.
- Indicator lakes remained below normal in the metro, south central and eastern part of the state. Water levels at White Bear and North Center lakes were the lowest historically recorded in the month of September. Water levels were generally normal to high in the northwest and in the normal range in the northeast part of the state.
- Ground water indicator wells continue to show declining conditions in the metro area. Levels in the southwest rose to the normal range, while levels in indicator wells in the central and northeast part of the state remained in the normal to high range. Ground water levels in wells in the northwest fell to the normal to low water ranges when compared to historical levels.

The information in this report is provided by DNR through long term programs committed to recording and tracking the long term status of our water resources. The current conditions of precipitation, stream flows, lake levels and ground water levels in this report provide valuable information for natural and economic resource management on a state, county and watershed level.

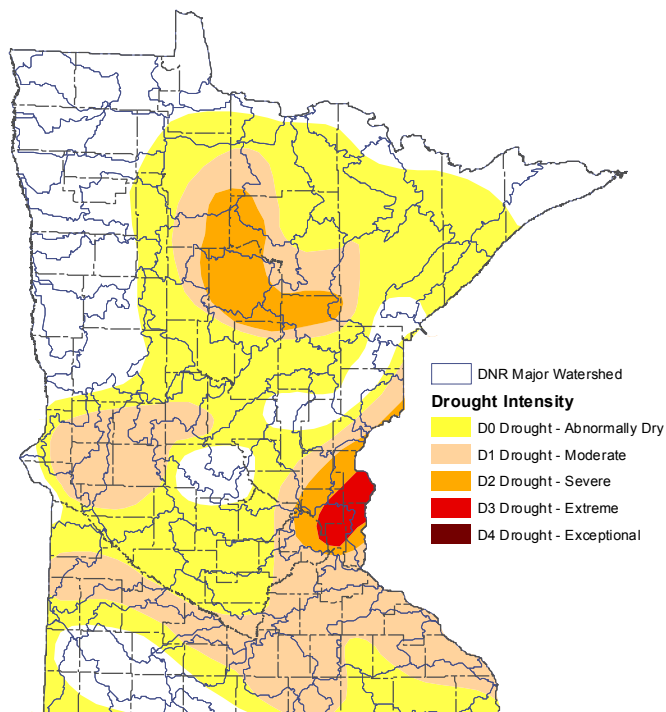
If you have questions on the content of this report please contact Greg Spoden: 651-296-4214, greg.spoden@state.mn.us

Minnesota Counties and Major Watershed Index

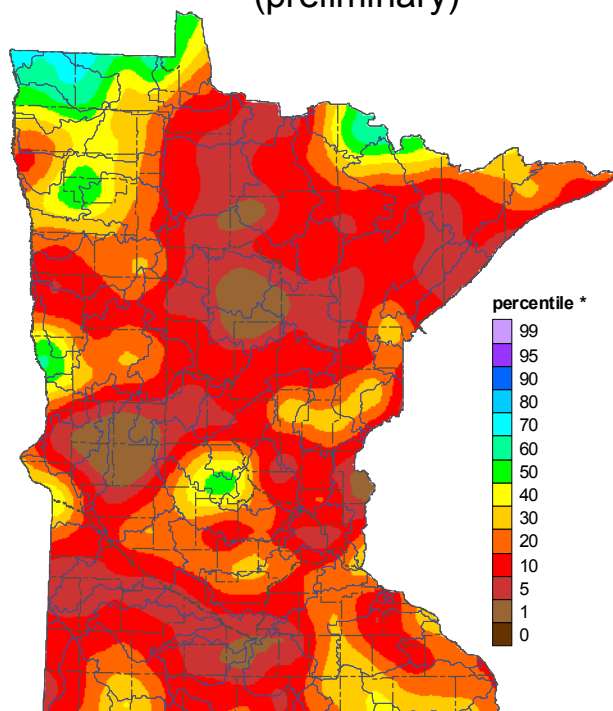


Climatology

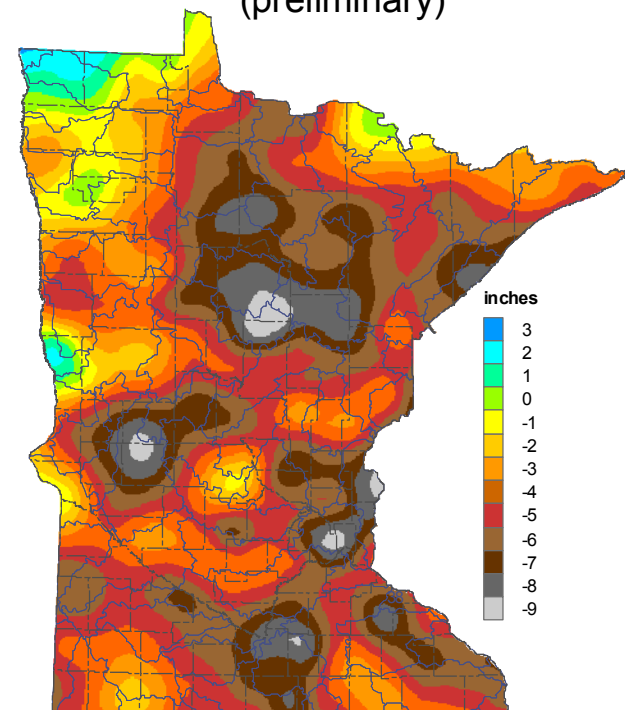
U.S. Drought Monitor September 29, 2009



Precipitation Ranking April 1, 2009 - September 28, 2009 (preliminary)

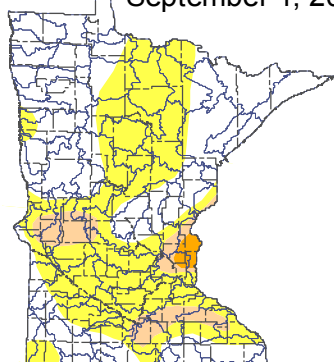


Total Precipitation Departure from Normal April 1, 2009 - September 28, 2009 (preliminary)



State Climatology Office - DNR Waters

September 1, 2009



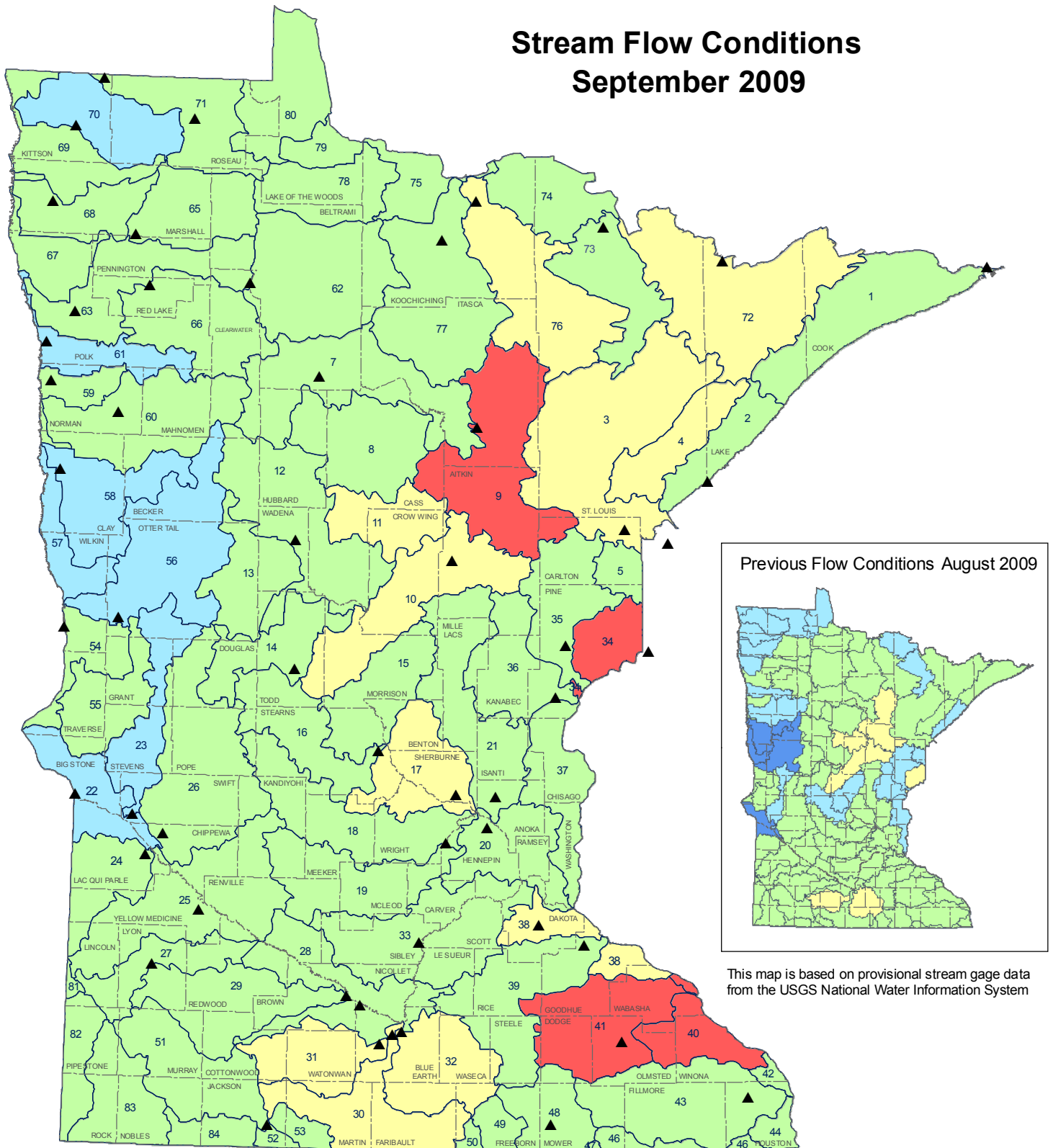
Notes:

- September 2009 was one of the warmest and driest Septembers in the modern record.
- By late September, 30% of Minnesota's landscape was placed in "Moderate", "Severe", or "Extreme" drought categories by the U.S. Drought Monitor.
- In many counties, the 2009 growing season ranked among the 10 driest ever.
- Precipitation during the season fell short of normal by five or more inches in many locales.
- Large sections of the southern two-thirds of Minnesota received at least one inch of rain during the first few days of October. More early-October rainfall was expected as of this writing.
- Should the forecasts verify, significant improvements in the soil moisture situation are expected.
- Larger hydrologic systems will be slower to respond.

* Percentile maps compare current-year seasonal rainfall totals with the long-term climate record. This percentile (ranking) statistic allows the season's rainfall totals to be described using historical context. A location ranked at zero means that the present-year seasonal rainfall total is the lowest found in the historical record; a ranking of 100 indicates the highest on record. A ranking at the 50th percentile (median) specifies that the present-year seasonal rainfall total is in the middle of the historical distribution.



Stream Flow Conditions September 2009



Previous Flow Conditions August 2009

This map is based on provisional stream gage data from the USGS National Water Information System

* Percentile ranking based on mean daily flows for the current month averaged and ranked with all historical mean daily flows for that month.

A watershed ranked at zero means that the present month flow is the lowest in the period of record; a ranking of 100 indicates the highest in the period of record.

A ranking at the 50th percentile (median) specifies that the present-month flow is in the middle of the historical distribution.

Data are current through 9/29/2009.

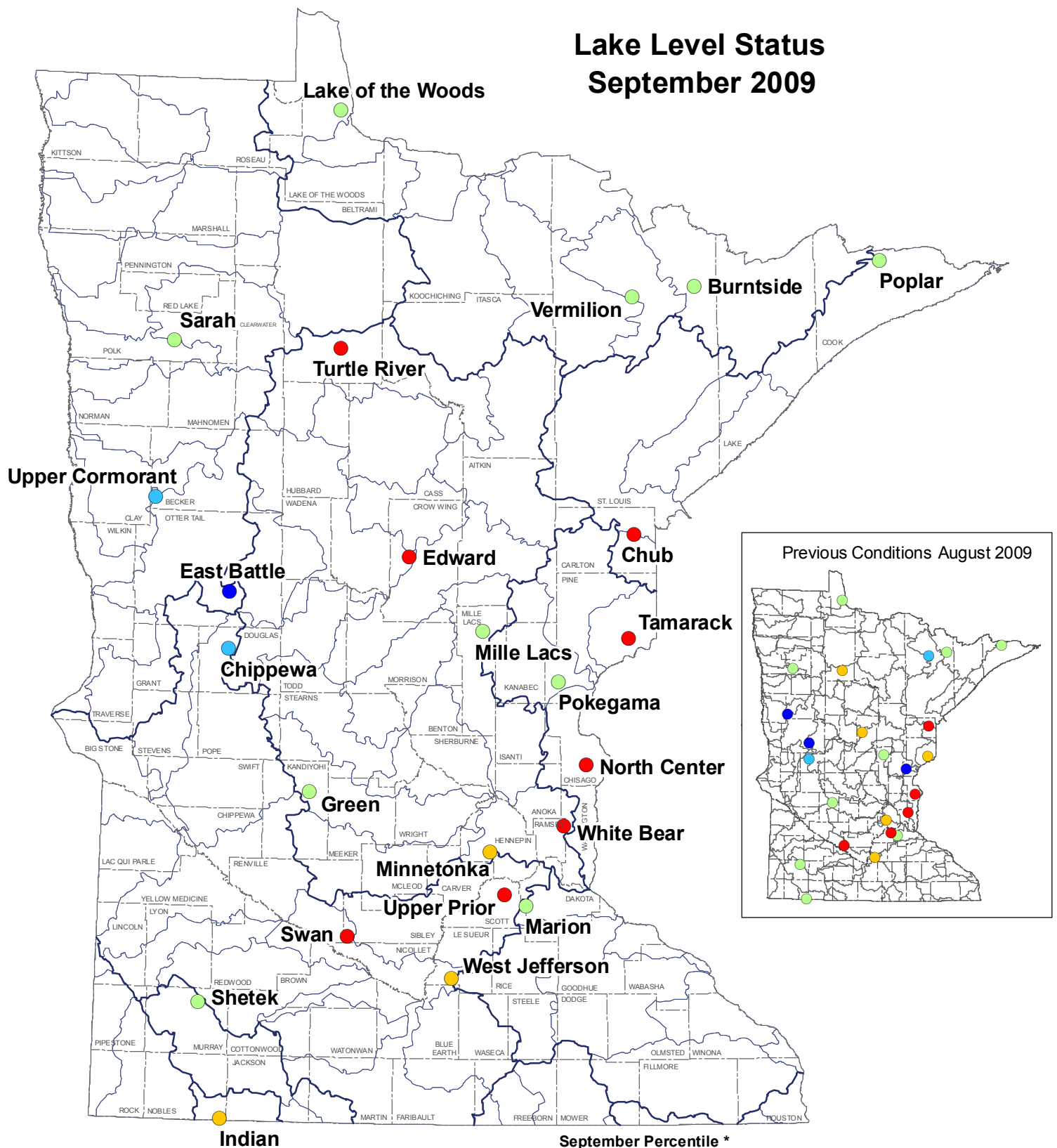
▲ Designated major watershed gage

September Percentile *

- High Flows (>90th percentile)
- Above Normal Flows (75 - 90th percentile)
- Normal Flows (25 - 75th percentile)
- Below Normal Flows (10 - 25th percentile)
- Low Flows (<= 10th percentile)



Lake Level Status September 2009



* Percentile ranking based on last reported reading for the current month compared to all historical reported levels for that month. A lake ranked at zero means that the present reported level is the lowest in the period of record; a ranking of 100 indicates the highest in the period of record.

A ranking at the 50th percentile (median) specifies that the present-month reported lake level is in the middle of the historical distribution.

Data are current through 9/30/2009.

Source data from: MN DNR Waters Lake Level Minnesota Monitoring Program

September Percentile *

- Low Water Levels (\leq 10th percentile)
- Below Normal Water Levels (10 - 25th percentile)
- Normal Water Levels (25 - 75th percentile)
- Above Normal Water Levels (75 - 90th percentile)
- High Water Levels ($>$ 90th percentile)

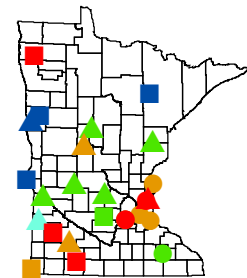
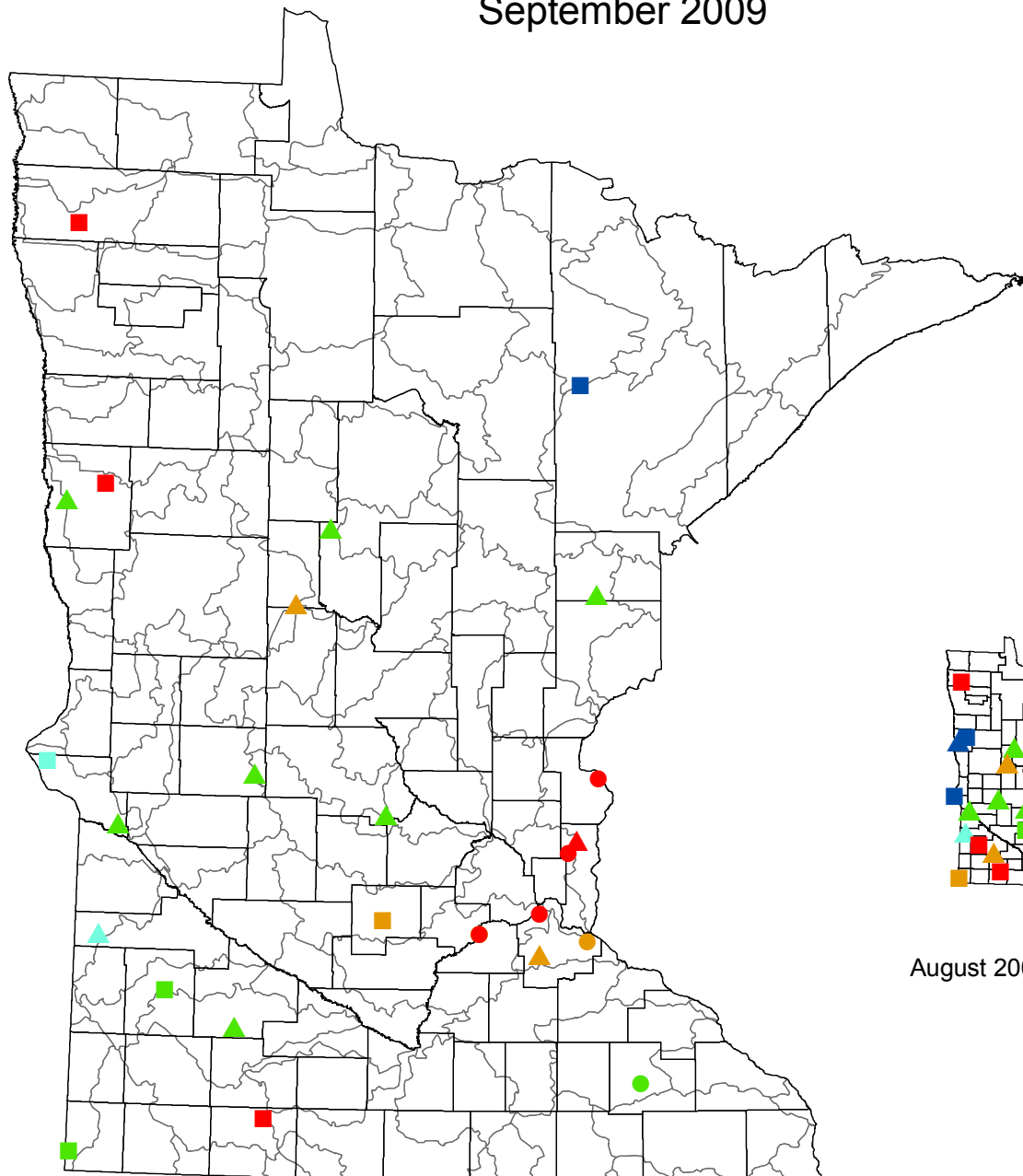
Level 2 Hydrologic Unit

DNR Major Watershed



Ground Water

Ground Water Level Historical Rankings September 2009



August 2009 Indicator Wells

Aquifer

- △ Water Table
- Buried Artesian
- Bedrock

Water Level

- High Water Levels (> 90% percentile)
- Above Normal Water Levels (75% - 90% percentile)
- Normal Water Levels (25% - 75% percentile)
- Below Normal Water Levels (10% - 25% percentile)
- Low Water Levels (< 10% percentile)

* Percentile ranking based on last reported reading for the current month compared to all historical reported levels for that month. A water level ranked at zero means that the present reported level is the lowest in the period of record; a ranking of 100 indicates the highest in the period of record.
A ranking at the 50th percentile (median) specifies that the present-month reported water level is in the middle of the historical distribution.

Source data from: MN DNR Ground Water Level Monitoring Program

