



## Bassett Creek Watershed Management Commission

Item 5Dii.  
BCWMC 5-19-16  
Monitoring proposals  
available online

### MEMO

To: BCWMC Commissioners  
From: Laura Jester, Administrator  
Date: May 11, 2016

**RE: BCWMC Budget Committee Recommendations for 2017 Water Monitoring Activities**

The BCWMC Budget Committee met on March 31<sup>st</sup> and May 4<sup>th</sup> to discuss and make recommendations on the 2017 operating budget. One significant area of spending in 2017 is for water quality monitoring. There are several projects and studies slated for 2017 that fall into this category. At their March meeting, the Budget Committee directed me to distribute a request for proposals from the BCWMC Engineering Pool for three monitoring projects. (See [Item 6Ei](#) from April Commission meeting for RFP.)

After reviewing the proposals from WSB, Barr Engineering, and Wenck Associates (proposals are available with online meeting materials), the Budget Committee has the following recommendations (next page).

<b>Project &amp; Recommended Action</b>	<b>2017 Budget</b>
<p><b>Routine Lake Monitoring</b> Use Wenck Associates to perform routine monitoring of Sweeney, Twin, and Lost Lakes following <a href="#">BCWMC Monitoring Plan</a>.</p>	\$38,300
<p><b>Sweeney Lake Study</b> Originally, this was slated to be a study of the effect of aeration on the water quality of Sweeney Lake. In reviewing proposals, an alternative approach to understanding and addressing internal loading in Sweeney Lake was presented. Further, it was noted that data from the Schaper Pond Effectiveness Monitoring (see below) would be needed to complete analyses in Sweeney Lake. Thus, the total budget of a study on Sweeney Lake (up to \$44,000 depending on the study and vendor) is split over two budget years (2017 and 2018). Over the course of the next few months, the Commission, its engineers and possibly the TAC should determine what to study on Sweeney Lake.</p>	\$21,000
<p><b>Schaper Pond Effectiveness Monitoring</b> Use Wenck Associates to monitor the effectiveness of the Schaper Pond Diversion Project (CIP Project SL-3). This project will repeat the monitoring performed during the feasibility study for the project including monitoring of two major inlets to Schaper Pond and the pond outlet to analyze changes in treatment capacity since the completion of the pond improvements.</p> <p>The Budget Committee recommends using \$32,000 of the remaining Schaper Pond CIP funds, rather than operating budget, to fund this study. The Commission’s legal counsel concurred that this expense is allowed within the CIP budget because “the monitoring project directly relates to the CIP project for which the funds were raised, the costs do not exceed the amount originally raised for the project, and it is intended to test the effectiveness of the project.”</p>	(\$32,000 from CIP funds)  \$0
<p><b>Chloride Source Assessment</b> This work was not included in the RFP and would be performed by the Commission Engineer. The work includes watershed-wide spring snowmelt grab-sampling at stream locations, and analysis of WOMP continuous conductivity monitoring, combined with GIS mapping of potential hotspots for excess road salt application.</p>	\$5,000
<p><b>General Water Quality Tasks</b> This work was not included in the RFP and would be performed by the Commission Engineer. Items regarding water quality that arise but which cannot be foreseen at the time of budget development. Staff does their best to anticipate possible issues and the associated work that may arise. Possible work in 2017 includes bacteria source tracking, new water quality standards (e.g. tiered aquatic life use standards, stream nutrient standards, antidegradation rule updates, etc.), and combined surface water quality trend analyses.</p>	\$10,000
<b>TOTAL Recommended Water Quality Monitoring Budget</b>	<b>\$74,300</b>