



**Barr Lake/Milton Reservoir Watershed Association
BMW Board Meeting
March 21st, 2023, 9:00 – 11:30 am
Virtual Only**

Board Meeting Minutes

Board Attendance:

Steve Lundt – Metro Water Recovery
Erin Sandos – South Platte Renew
Caleb Owen – Thornton
Erica Klein – BMW Intern
Chris Newton – ECCV
Kelly DiNatale – United Water & Sanitation

Brad Cox – City/County of Denver
Katie Koplitz – Metro Water Recovery

Public Attendance:

Sami Miller – BMW Coordinator

Introductions – Erin greeted everyone and kicked off the meeting.

Dashboard Example Discussion & Presentation – Chris Newton began by presenting a few recent examples of data dashboards prepared for other clients and using sample BMW data from 2013 and older.

- A. Chris shared a few examples of dashboards that he's worked on recently, comprised of 2013 and older BMW data from Barr Lake. Several features were available that show trends over time and included the option to set various parameters as well as hover/scroll over to find individual values. Parameters included variables like pH, conductivity, etc. The examples were all web based. Various tabs were available as well with lab data by location. Examples were also shown that include a more spatial representation of the data (maps) using different Barr Lake locations. There is the possibility to add additional tabs tracking pH levels for the TMDL standards.
- B. The question was posed as to how this data would be sourced. Through the DSN? We could also have entities upload it more frequently, but if they're already using the DSN, it's probably best to extract it from there. Using data that's updated monthly from the DSN would be ideal. The example of Barr Lake data from Chris was extracted from a spreadsheet, not from the DSN.
- C. The Oklahoma example Chris showed included a map with sample points around the state. BMW could portray all the various sampling points/locations like this. Specific lab parameters can be set for plotting on each different site. This provides a spatial perspective for the data. Availability to download the data is present as well.
- D. The level of effort congruent with these examples would largely depend on data accessibility and format but would likely come in around \$5-10k for set up costs.

Erin led a follow up discussion about the examples and visual tools presented thus far and what BMW would like to do moving forward. There are several options to consider: hire a consultant, pilot a solution, etc. BMW discussed what the specific goal is and what purpose a visual tool will serve (for example, tracking TMDL implementation).

- E. BMW held a discussion over the collaboration between multiple groups to go in on a dashboard effort. We could eventually have a BMW-specific dashboard on our website, but then also do a wider, more regional dashboard on its own too.
- F. The goal is that people can easily access this online and that it's a truly helpful (and easy to use) tool. Having this pretty simple, straightforward display (the first example Chris showed using Barr Lake data) could be helpful just for the BMW board and stakeholders. Overall, we want a tool that's fairly easy to put together and that's helpful to people.
- G. The CSU eRAMS WRAP data example was mentioned as a good example.
- H. Tetra Tech did some kind of app for the nutrient criteria. Another tool to consider.
- I. It was noted that FRICO data and the in-reservoir data points are the priority, then the tool could grow from there to include the autosampler from the Burlington head gate. This should be manageable with only two entities for regular basis data collection.
- J. The group circled back around to the question: how would the board use this and what are our opinions? Erin mentioned she could use a tool like this for analysis as they're treating phosphorous (P) – all with the focus of tracking TMDL implementation.
- K. The board should discuss what we're leaning towards. Do we want to pilot something with a small amount of data? Do we need to do a whole RFP/proposals process? Conflict of interest should be considered (DiNatale is on the board for example). How serious are we and what do people think – then pick a route.
- L. Stormwater data should be included in this tool too and could be beneficial as it shows the implementation side of things. It could be on an annual basis and not as often as a normal monitoring program.
- M. Overall, the board concluded that we like the idea of it starting small and then allowing it to grow as need grows. Setting up a tool that serves an original purpose and get it up and running/functioning is priority. As questions come up, we can add to it, and it can continue to grow. It's a priority as well that the tool is sustainable and able to grow with needs, so we don't need to start all over in 5 years. We'd like it to be adaptable and sustainable.
- N. Discussion conclusion was that we will reconvene at the next meeting in April in order to make a solid plan. All board members are asked to bring their final opinions and thoughts so a plan can be formed, and first steps can be taken.

Actions:

- **ALL BOARD MEMBERS** – think about the examples presented thus far and identify the needs/questions that need answering you see as a priority for BMW and our members; form your opinion and bring it to the April meeting ready to discuss.

Revisit 208 Planning Agency Discussion & Recap from February Discussion – Erin led a discussion as a follow up from February's meeting where we had several guests from other watershed organizations. BMW discussed how BMW would like to move forward with collaboration efforts.

- A. It was recapped from the February discussion that other groups are conducting similar efforts as BMW: updating watershed plans, for example. The idea emerged for these groups finding "one champion" to funnel these efforts through. BMW isn't necessarily the champion, but interesting that there's overlap and something we should continue to discuss and consider.
- B. Steve is going to SPCURE to talk with them about collaborating at the Confluence at the Confluence. Steve is attending to just get the discussion going about working with them. Steve is also helping with the Cherry Creek conference planning/agenda. He's working

to get the dialogue going on what we're all doing and how we can connect more effectively. He can report back on these meetings and how BMW might continue working with these groups.

- C. The idea for an annual meeting with all of us still remains and perhaps the Confluence at the Confluence will serve this purpose.

Actions:

- **ALL BOARD MEMBERS** – send any topics to Steve for ideas on what BMW wants to bring to the table when Steve is starting to have these discussions (ex: implementation of TMDL).

BMW Member Contact Info Review – Sami reviewed the member contact list she has as a preparation for invoicing. Most contacts are up to date, and we covered a few new names/contacts for certain entities.

Actions:

- **Sami** will send out the entire contact list to the board to further review for any edits or changes to contact names and addresses that are needed. Most gaps have been filled, though.
- **Kelly** will send Trisha Williams contact to Sami.
- **Kelly** to try to track down Lochbuie contact for Sami.

Committee Update - Steve, Erica, and Michelle reported on the I&E Committee upcoming activities (see calendar below). Next meeting is May 2nd.

- A. Erica and Michelle are working together on upcoming events (see calendar below).
- B. Surveys are getting updated for this year and Erica will go to about 10-20 different stores to evaluate PFree fertilizers on shelves.
- C. Carp fishing tournament and carp net are both on for 2023. We'll rent the net from U of Minnesota professor and will do it at the end of August through the end of October.
- D. Still working with PFree effort and moving forward with some good momentum.
- E. Michelle/Caleb are attending the water festival with over 1000 kids attending!

Technical Committee Meeting – There weren't any major TC updates this month, as the meeting is later this week. GEI is attending to discuss their MS4 permitting requirements for City and County of Denver. Next meeting is March 23rd (then May 25th).

Updates/Action Items

- Chair's Report (Erin) –
 - A. We got an email from metro DNA to renew membership. They do ed/outreach and collaborative projects; they also focus on DEI in our watershed area. Membership is \$100 and we've been members past several years.
 - a. Thumbs up approval was given to renew our membership for \$100.
- Treasurer's Report (Michelle) – As of March 9th, the balance is \$313,908.07
 - All expenses since the last meeting are within budget and will be recorded as part of the minutes.

Actions:

- **Sami** will send Michelle the membership dues tracker spreadsheet to update the budget with most current info.

Checks for signature in March 2023	Amount	Notes
xxxx - Studio 4130 (Kevin Bauman)	\$ 715.00	Website accessibility report (January 2023)
xxxx - Sami Miller	\$ 3,865.76	Feb. Coordinator Services

- Coordinator Updates (Sami)
 - Review & approval of Feb. 28th board meeting minutes - the board approved the minutes with thumbs up all around.
 - Newsletter update – content deadline this Thursday, 3/23; working on layout mostly, which Erica will help with. We’re aiming to send it out the last Thursday of each issue month (4/27).
 - Review questions for Stakeholder meeting survey. Sami will send out questions to all of board for approval before sending out to the wider list.
 - Bylaws update – waiting to hear from Brownstein – they have to open a formal matter; have looped Julie in.
 - Website updates – still in progress, but slow going as work on invoicing/newsletter continues.
 - Invoicing – goal to have invoices sent by May 1.

Actions:

- **Sami** will send out survey questions to the board with minutes for any thoughts/edits to survey.

Next Meetings

- **TC meeting – March 23rd, 9-11am (virtual); May 2nd 9-11am (virtual)**
- **Board meeting – April 25th, 9 – 11:30 am, Location TBD**
- **I&E meeting – May 2nd, 2023 (location TBD)**

Standing(-ish) Agenda Items

- P Free Lawn Fertilizer coalition
- I&E Committee
- TC Committee
- Chair, Treasurer, and Coordinator reports
- Modeling effort/watersheds coordination
- 2023 Hearing preparation

BMW 2023 Board Calendar

**Meeting dates and topics may change*

Date	Meeting/Event	Topic / Notes
JANUARY		
3	I&E meeting	
24	Board meeting	Watershed Plan Watershed group collaboration prep Stakeholder meeting discussion
26	TC meeting	
FEBRUARY		
28	Board meeting	Guest organizations: Cherry Creek, Chatfield, LRE Water Quality update from Steve
MARCH		
7	I&E meeting	CANCELED
21	Board meeting	DATE MOVED UP FOR SCHED CONFLICTS Chris Newton - example dashboards for ECCV Revisit 208 planning discussion Corporate docs update and ADA update
23	TC meeting	DATE MOVED UP FOR GEI'S PURPOSES Ken Wagner - review of model assumptions, and discussion of areas to improve/expand Cherry Creek Authority/Kelly Close (LRE) dashboarding efforts
APRIL		
25	Board meeting	GEI/Ken Wagner Fresh Water Trust trading programs Newsletter update/discussion?
MAY		
2	I&E meeting	
23	Board meeting	Reaching out to landscapers Partnership with nonstandard permittees Metro (Reinna) discuss marketing the ideas of P-free fertilizer Newsletter update/discussion?
25	TC meeting	Dashboard Plan
JUNE		
27	Stakeholder Meeting	Possible tour of CSU hydro building & GEI present on autosampler?
JULY		
4	I&E meeting	4th of July - find new date!
25	Board meeting	
27	TC meeting	Drafta data dashboard for review
AUGUST		
22	Board meeting	
SEPTEMBER		
5	I&E meeting	Tuesday after Labor Day
26	Annual Stakeholder Meeting & BBQ	
28	TC meeting	
OCTOBER		
24	Board meeting	
NOVEMBER		
7	I&E meeting	
28	Annual Board Retreat	
30	TC meeting	
DECEMBER		
	TBD - meetings as needed	

BMW I/E Events for 2023

**Schedule of events, times & locations may change!*

Date	Event/Activity	Location	Name and contact
March 25	Volunteer Training	Barr Lake	Michelle, Erica
April 8	Raptor Run	Barr Lake	Michelle
April 22	Earth Day	Denver Botanic Gardens	Erica, Donny
May 6	Furry Scurry	Wash Park	Erica, Donny, Steve?
May 20	CO Public Lands Day	Barr Lake	*Volunteer event TBD
June 3	Carp Tournament	Barr Lake	Steve, Michelle, Erica
June 28	Bike to Work Day	TBD	Steve, Justin
July 15	Lakes Appreciation Day	Barr Lake	Michelle, Steve
August 23 (or 24)	Cherry Creek Stewardship Partners Conference	Denver, CO	Steve, Erica?
September 24	National Public Lands Day	Barr Lake	Michelle, Steve
October 9	Indigenous Peoples Festival	Barr Lake	*Event TBD
October 28	Halloween Trail	Barr Lake	Michelle, Steve?
October	CO Watersheds Conference	Avon, CO	
TBD Events			Sunset Tours (led by Steve on pontoon); Volunteer Open House at Barr Lake (date TBD)