

Barr Lake/Milton Reservoir Watershed Association  
 BMW Board Meeting  
 March 22<sup>nd</sup>, 2022 9:00 am – 11:30  
 Virtual  
**Minutes**

**Board Attendance:**

Steve Lundt – Metro  
 Curt Bauers – FRICO  
 Brad Cox – Denver  
 Julie Tinetti – Centennial  
 Michelle Seubert – CPW  
 Charlie Plush – Heritage Sporting  
 Jori Nelson – Metro Water Recovery  
 Dan DeLaughter – South Platte Renew

Erin Sandos – South Platte Renew  
 Kelly DiNatale – United, ECCV  
 Katie Koplitz – Metro Water Recovery

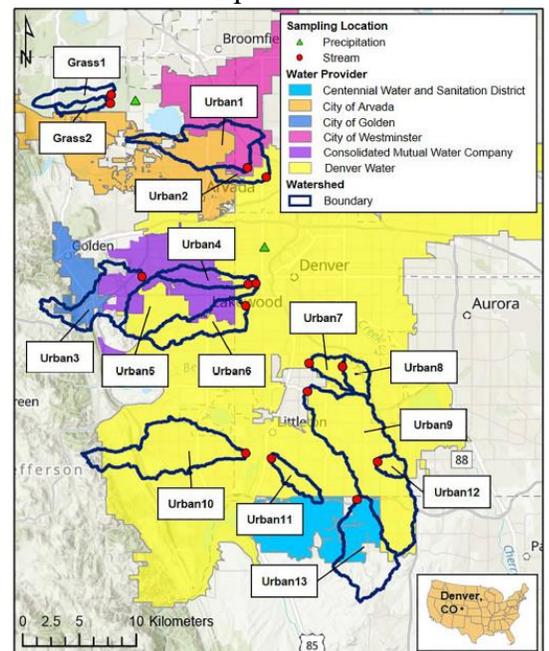
**Public Attendance:**

Amy Conklin – BMW Coordinator  
 Aditi Bhaskar - CSU

Erin welcomed everyone and they introduced themselves.

**Support for Urban Streamflow Research** – Aditi presented a Water Plan Grant Proposal that she’s planning to submit to the Colorado Water Conservation Board with other partners. She’s hoping for feedback, a letter of support, and volunteers for an advisory committee. The first question she’s evaluating is the increase of streamflow with increasing impervious surface cover, which is also a way to measure increasing density in development and redevelopment. She’ll be using about 20 watersheds for which there is existing streamflow data. She hopes to quantify streamflow increases from each additional acre of impervious surface.

Her study also hopes to quantify the yield of water from rainwater harvesting from increases in impervious surfaces. The rainwater harvesting could be from individual homes or from regional collection systems. They’ll be using EPA’s SWMM model. The final issue she hopes to quantify is the impact of rainwater harvesting on Lawn Irrigation Return Flows (LIRFs). Inclusion of evaluation of BMPs is not part of her proposal.



New streamflow, created from runoff from impervious surfaces is called ‘developed’ water. It can be a valuable water right and can be hard to prove. In order to claim the water, there must be a robust determination of the amount of LIRF contributing to streamflow. Skepticism was expressed for rainwater harvesting as a significant source of water. BMW members were encouraged to discuss the issue with their water resources department if they had one. While the impact to water quantity from rainwater harvesting may not be great, its impact to water quality could be.

Erin said that the Board would discuss support for the grant and get back to Aditi about a letter of support. There was consensus to provide a letter of support. There wasn't consensus for BMW to contribute financially. It makes sense to get more information about flows in urban streams and for determining water quality. It was suggested that she approach the Metro Basin roundtable about additional funding.

**Coordinator Succession** – Curt has been leading the effort to find a new coordinator. So far, Jane Clary and Diane Kielty are the only potential candidates. The subcommittee will meet with Diane and Jane and make a recommendation next month. There was consensus not to pursue a formal RFP. Shonnie Cline, with Corona Consulting, may be another candidate. All three (3) candidates will be contacted before the next meeting when a recommendation will be made to the Board. Jane Clary is the coordinator for Big Dry Creek Watershed Association who is a member of BMW which may be a conflict of interest. Steve will ask Craig Wolf if there's anyone at GEI who may be interested in being a candidate. Everyone should let Curt know if they have any other recommendations.

**Stormwater Sampler** – The BMW stormwater sampler is in flux. We need to consider negotiating a contract with GEI to do the storm sampling but we're not sure when the sampler will be relocated to its final resting place. We also need to add in a new analytical lab since Metro is no longer accepting outside samples. GEI has also sent their memo on the stormwater sampling results, included in the packet.

Steve reported that we need to get ready for 2022 stormwater monitoring. It usually starts in April and goes through about October. We'll be moving the sampler soon. The concrete pad is being poured and an underground conduit for the sampling hose is being dug. There will be a cost for GEI to move the sampler back and calibrate it. Since Metro is no longer doing analyses for outside groups, this year there'll be a new lab for the stormwater sampling and additional costs. Metro was donating the analyses as in kind. For this year, BMW will have to pay for the analyses. Sampling costs will be based on the number of parameters we include. Sampling costs could be an additional several thousand dollars. Brad reported that their stormwater samples are running about \$400 per storm event.

Steve went over the BMW Stormwater report which shows the hydrograph for each storm. GEI would target the first flush storm event which can be hard to capture. Sometimes an early snowmelt will be the first flush but it's still too cold to sample. He noted that Denver was already out doing street sweeping in advance of our latest storm. Good work, Brad, et al. GEI collects composite samples over the course of the storm. Our report is very similar to the reports they produce for the joint task force at their five (5) stations. It's easy to compare storm data because the form of the report is the same and the storm events are the same at all the stations.

Precipitation data from Metro was recorded and included in the report but there is some discrepancy between the Metro data and the data collected at Ruby Hill. Brad suggested reaching out to the SPUR campus to see if they are or will be collecting precipitation data. We had a lot of storms in the spring last year and very few in the late summer.

Phosphorus (P) concentrations were generally under 1 mg/L. Sometimes the P concentrations are higher in April and taper off over the year. Brad sees the same sorts of results from the stations in the Joint Task Force. We may be able to reduce some of the analyses we run in 2022. Results of the 2021 stormwater data analyses seem typical and consistent with previous results. Metro is discharging around 0.3 mg/L of P in their effluent. It will be interesting to see what happens to stormwater P results when South Platte Renew reduces P in its effluent.

The 2021 results are all within the ranges typically seen in the river and in the Burlington canal. P concentrations of 0.25 mg/L is typical for the river in the summer. The goal for Barr and Milton is 0.1 mg/L or lower. The standard for the river is 0.17 mg/L. The numbers are still above the standards but are not unusual. About half of the P concentration is ortho P which is readily available. GEI does a 5-year summary and a comprehensive analysis of all the data. There are downward trends in pollutant concentrations.

Steve will follow up with Craig and will share the contract when its ready. It might require an email vote.

**Update on P Free Fertilizer Coalition** –Steve reported that he attended the Colorado Association of Lawn Care Professionals’ (CALCP) spring training conference. It was a productive event with him contacting people at the Colorado Department of Agriculture. He will prepare curriculum for a class for continuing education credits around using P free lawn fertilizers. He will also make a presentation at the next CALCP conference. He made a presentation to the Cherry Creek Basin Water Quality Authority who will likely vote to join the coalition. He presented to the South Metro Water Supply authority. They are focused on quantity, but they also understand the connection between quantity and quality. There were some questions but mostly they were very supportive. They concurred that the next steps are to keep getting the word out and get others to use our materials. The City of Aurora is using our materials. There was a meeting with CPR regarding radio ads. A Billboard will go up April 4<sup>th</sup> through May 2<sup>nd</sup>. There’s some traction building for educating and reaching out to landscapers. He hasn’t been able to connect with the ACE Hardware representatives and will keep working on it. Fertilizers and other garden supplies are already being promoted in stores in anticipation of the gardening season. Website for P free lawn fertilizer is up and running now, <https://lovecoloradowater.org/care/> .



CU Denver students are working on P free lawn fertilizers. They are developing a QR code for a survey. They’re also doing some estimates on lawn areas and applying lawn fertilizers.

**I&E Committee Update** - Michelle reported that she’s working with Juanantonio on the boating surveys and on the carp tournament. She’s working on the grant for Lake Appreciation Day (LAD) on July 9<sup>th</sup>. She’ll need letters of support for the grant. Michelle will send Erin and Amy last year’s letter. We have a flyer for the carp tournament that we can distribute at the

International Sportsman Convention. The tournament will be open to 25 boats and 25 people from shore. **Steve** needs some review of the flyer. There are some details that need to be finalized. The Game Warden wanted us to look into finding someone to donate the fish to rather than taking them to be composted. The wildlife sanctuary wasn't interested. We can have **Juanantonio** look into other alternatives. There may be liability concerns with donating them for human consumption. The Game Warden just wanted us to try to find a better alternative. Steve spoke with a professional bow-fisher guide, and he was very excited. He can help us promote the event. Hopefully Charlie can help, too. Juanantonio was going to reach out the bow fishing association. They might want a booth at the event. Registration may go fast so there will need to be some coordination. Sign up Genius is pretty easy to work with and should help with the coordination.

Steve talked about the bike tours he's setting up through Water 22. He's teaming with WECO and Bike to Work Day in June. Water 22 is planning a big get together at Confluence Park. He's going to lead a tour from Confluence Park to the Burlington canal. He'll work with the new RINO Art Park and Donny Roush will help as well. We may also get a promotion event at a Rockies Game through Water 22. The I&E Committee will be meeting monthly for the next few months because there is so much going on.

**Technical Committee Meeting** – Erin reported that the next meeting will be March 31<sup>st</sup>. The meeting will review the stormwater monitoring for 2021. Erin reached out to Joni Nuttle at CDPHE to get her to engage with us on technical issues but hasn't heard back yet.

**Watershed Plan Update** – **Erin** will schedule a kick off meeting for updating the Watershed Plan and the water quality and organizational goals. Steve shared a quick history of the Watershed Management Plan. The first plan was finalized in 2006 and followed EPA's 9 requirements and was 88 pages long. In 2017 the plan was updated. It took about 2 years to finalize the update in part because it was shortened to 36 pages. The concept is to update the plan periodically to document what's been done and what's coming up next and is intended to complement the Implementation Plan. When completed the updated water quality and organizational goals will be updated on the web page. Next month the Board will review the proposed goals.

### **Updates/Action Items**

Chair's Report – Discussion of Hybrid meetings –The Board discussed the issue with input in support of in person options but keeping a hybrid option. The next meeting will have an in person option at South Platte Renew.

Erin also discussed a review of the Lift Station Site Location Application for the Foxridge Farm Wastewater Treatment Plant conducted by Brown and Caldwell for us. Brown and Caldwell didn't see any big issues. **Erin** will send out the report via email and look for an approval from the Board.

Steve reminded the group that there will need to be some actions taken as part of the Regulation 31 hearing coming up in the fall. **BMW** will apply for party status. The CLRMA spring

luncheon will be focused on the revisions to the nutrient lake standards. Activity will increase in the summer.

Environmental Justice Activists (EJA) submitted a petition, which was granted, to review the decision made regarding the use protected, reviewable status of 3 segments; Segments 15 and 1a of the South Platte River and the Clear Creek segments. They want the decision reversed. For BMW members, the key is to share information about what each individual member is doing. BMW wasn't a party for the original hearing. EJA is looking for data to be used at the hearing. This is one of the few times an outside request for a hearing has been granted. There is confusion about how the information will be used and if all the impacted parties have been contacted. Metro is trying to figure out how to handle the hearing. This is a really tight turnaround for a data call and caution is recommended in submitting new data. **Katie** will share information about the hearing at the next meeting.

Treasurer's Report -As of February 28<sup>th</sup>, 2022 the balance is \$270,121.19.

The Profit and Loss statement and bank reconciliation statements are included	Checks for Signature in March		
	2208 - GEI	\$ 1,684.25	Stormwater monitoring
	2209 - Stuido 4130	\$ 302.50	Website maintenance
	2210 - Amy Conklin	\$ 3,556.50	Feb. 2022 Coordinating

in the packet. They show that there has been very little revenue so far. **Michelle and Amy** will be working on sending membership dues invoices in April. All expenses since the last meeting are within budget and will be recorded as part of the minutes.

Michelle reported that she met with Chris last month and will meet with him again next month. In the meantime, Michelle would like to get added as a signatory to the bank account. In order to do that, she'll need minutes that show she is approved to be added to the account. The Board voted via email to approve the following addition to the minutes:

“The Board authorizes the Treasurer, Michelle Seubert to be added as a signer to the BMW Bank account. The TBK Bank company ID is 651250027.”

Coordinator Updates (Amy C.) – There was a unanimous approval of the January 25<sup>th</sup>, 2022 Board meeting minutes. Amy encouraged everyone to check out the new photos on the pages of the website, [www.barr-milton.org](http://www.barr-milton.org).

**Next Meetings**

- Technical Committee meeting – **March 31<sup>st</sup>, 2022, virtual**
- I/E Committee Meeting – **April 5<sup>th</sup>, 2022 10 am to 11:30 at Barr Lake State Park and/or virtual**
- Board Meeting – **April 26<sup>th</sup>, 2022, 9 am, South Platte Renew and virtual**
- Stakeholder Meeting – **June 28<sup>th</sup>, 2022, Heritage Sporting Club, in person, on Milton Reservoir**

**BMW Board Topic 2022 Schedule**

Keep meetings hybrid format – at SP renew w virtual option. Erin will be virtual host

January –

4<sup>th</sup> I&E Meeting

25<sup>th</sup> Board Meeting – Suncor permit

~~27<sup>th</sup> Technical Committee Meeting – model update discussion~~

~~**February**~~

~~2 – 4 Pro Green Expo~~

~~22<sup>nd</sup> Stakeholder Meeting – Urban waterway flow sources presentation~~

**March** –

~~1<sup>st</sup> Information and Education Committee Meeting~~

~~22<sup>nd</sup> Board Meeting – USGS gage presentation and decision (withdrawn)~~

~~31<sup>st</sup> Technical Committee Meeting~~

**April** –

5<sup>th</sup> Information and Education Committee Meeting

26<sup>th</sup> Board Meeting – Water Quality (and Organization?) Goals discussion

**May** –

3<sup>rd</sup> Information and Education Committee Meeting

24<sup>th</sup> Board Meeting – Goals decision

26<sup>th</sup> Technical Committee Meeting

**June** -

28<sup>th</sup> Stakeholder Meeting/Watershed Tour – at Milton, on the water.

**July** –

5<sup>th</sup> Information and Education Committee Meeting

9<sup>th</sup> Barr Lake Appreciation Day

26<sup>th</sup> Board Meeting – Insurance discussion, Coordinator 1<sup>st</sup> reading

28<sup>th</sup> Technical Committee Meeting

**August** – 23<sup>rd</sup> Board Meeting – 2022 hearing prep, New Coordinator on Board?

**September** –

6<sup>th</sup> Information and Education Committee Meeting

27<sup>th</sup> Annual Meeting and BBQ

22<sup>nd</sup> Technical Committee Meeting

**October** – 25<sup>th</sup> Board Meeting – 2022 Hearing prep

**November** –

1<sup>st</sup> Information and Education Committee Meeting

29<sup>th</sup> Potential Board meeting/retreat – New Coordinator?

Standing(-ish) Agenda Items

- P Free Lawn Fertilizer coalition
- I&E Committee
- TC Committee – stormwater monitoring gage
- Chair, Treasurer, and Coordinator reports
- Modeling effort/watersheds coordination
- IP Projects
- Permit tracking – Brown and Caldwell

- Grant updates
- 2022 Hearing preparation
- Coordinator subcommittee

## BMW I/E Events for 2022

Date	Event	Activity	Name and contact
3/26/22	Volunteer Training	Barr Lake State Park	Steve Lundt, Michelle Seubert
4/9/22	Raptor Run	Fun run around Barr Lake, BMW provides water bottles	Steve Lundt, Michelle Seubert
5/4/22	Childrens' Water Festival, Fort Morgan	T shirt making and booth	Michelle, Juanantonio
5/7/22	Furry Scurry	In person event at Wash Park	Donny, Juanantonio
5/7/22	Spring Fishing Clinic	Barr Lake State Park	Michelle
6/12/22	Carp Fishing Tournament	Barr Lake State Park	Juanantonio, Steve, Michelle
6/20/22	Bike to Work Day	TBD	Steve Lundt, Scott Williamson
7/9/22	Lake Appreciation Day	Barr Lake State Park	Michelle, Steve, Amy, Juanantonio
7/9/22	River Festival	TBD	<a href="https://www.thegreenwayfoundation.org/events.html">https://www.thegreenwayfoundation.org/events.html</a>
7/28-31/22	Arapahoe County Fair	Booth, t-shirts, Poop emoji balloon	BMW to assist SPLASH?
9/18/22	National Public Lands Day	Barr Lake State Park	Michelle
9/24/22	Annual Lantern Festival	Barr Lake State Park	Michelle
10/29/22	Halloween Trail	Barr Lake State Park	Michelle
November	CO Watershed Assembly	Conference	New Coordinator?
November	Cherry Creek Stewardship Partners	Conference	New Coordinator?