



Missoula City-County Health Department

WATER QUALITY ADVISORY COUNCIL

301 West Alder Street | Missoula MT 59802-4123

www.missoulacounty.us/wqac

Phone | 406.258.4890

Fax | 406.258.4781

WATER QUALITY ADVISORY COUNCIL

Meeting Minutes

Tuesday, November 13, 2018 at 7:00 pm

Health Board Conference Room #210 (Second Floor)

Missoula City-County Health Department—301 West Alder

Present: Bruce Sims, Adam Potts, Travis Ross, Andrea Stanley, Don Latham, Casey Ryan, Ken Crisp, Lauren Sullivan, Deb Fassnacht, Cat Weichman, Kali Becher, Ian Magruder, Cody Bodman, Jen Harrington, Ian Magruder, Peter Bierbach, Kelley Willet, Jennifer Downing

Agenda Items:

Jacobs Island Kiosk – Adam Potts

Adam is an Environmental Studies masters candidate with UM working on this project. He began by developing a map of the Clark Fork Watershed in reference to Missoula. Members of the council suggested developing another inset map with the larger Columbia watershed to give perspective. Another recommendation was to add some very generalized land cover (perhaps just forest). The understanding is that the public will be viewing this content in 3-5 minute chunks so keeping it simple is important. The map should also include the Ninemile. There should be a scale type inset that shows the context of the map size with the context of the entire Columbia Watershed. There should also be a title and scale. The general consensus was to develop an inset that can be changed to highlight a larger project area.

Adam will make revisions to map and develop an inset map of the Rattlesnake and pass it on to Ian. The Water Quality District will hire a graphic designer to develop a template. The CSKT content is already developed and does not need to conform to a design template.

Andrea discussed the content development for the Rattlesnake sign.

Generally the idea is that there would be 70% images and 30% text. Objectives should be limited to 3. Title: Free Flowing Rattlesnake. This committee has developed an outline and will aim to have content completed in the next month with it being polished and ready to go in two months. Email ideas graphics and web links to andrea.stanley@mt.gov

Rattlesnake:

A: Value of Rattlesnake

- Tributaries in General
- Geographic Context

- Confluence to Clark Fork
- History

B: The Dam

- History
- Services
- Cost/Lifespan/Management Decision

C: The anticipated outcomes

- Accessible Habitat

Smurfit – Ian, Travis, Todd, Jen, Bruce

A: Mill – Missoula mill and wood product History; including the egg smell.

- Economy was wood based.
- Smurfit Closure
- Reason it was sited next to the river

B: Bleaching and Discharge Kraft process into giant ponds with photo

- Discharge to the river

C: Purpose of cleanup process

- Riparian Areas
- Floodplain Value

D: Community Advisory Group

Under the posters, we should credit the Missoula Water Quality Advisory Council

Flood: Cat and Bruce

Travis: Send 1908 flood photos and 2018 flood photos to Bruce

Also, could explain bankfull, what certain flood frequencies mean

Move towards appreciation of floodplains rather than telling people not to build in the floodplain (there are regulations that should capture this).

Aquifer Protection: Todd and Travis

Aerial extent of the Missoula Valley Aquifer

Include sign that says “aquifer is so many feet below”

Vulnerabilities (Septic, gas station, evacuating low residencies aquifer)

Flow directions and contours time of travel

Haz Waste Days and other services in place to protect the aquifer

Imagine a spill

Suggested highlighting work of other groups that have been working to improve water quality in the basin.

Next Agenda:

- Magnitude of water quality issues associated with homeless camps
- Watershed Education Network is working with Aquatic Invasive Species and would like to come in
- MDEQ wants to come and talk about 319
- CSKT to come discuss mapping