

310 MEETING AGENDA

1. Meeting Called to Order & Roll Call
2. Public Comments on District 310 Permitting Business
3. 310 Inspection Reports: Ready for Discussion and Board Decision

Application Number: GD 01-18 Inspection Date: 01/10/2018
Applicant: Matt Weaver, Five Rivers, Inc.
Landowner: Bob Emery
Contractor/Agent: Matt Weaver, Five Rivers, Inc.
Perennial Stream: Camp Creek
Type of Project: Bank Stabilization/Alteration
Type of Project: Fish Habitat
Type of Project: Placement of Fill
Purpose: To improve fisheries habitat in Camp Creek by narrowing the over-wide channel through the construction of functional lateral bars, repair of highly eroded stream banks and the excavation of pools appropriate to this channel in size and geometry has holding water for trout. The channel was over-widened by cattle grazing for several decades and perhaps over 100 years. The project site will be completely fenced off from grazing after the work is completed.

Proposed Construction Date: Start date: 02/01/2018 Finish date: 12/31/2018
Inspection Recommendations: Approval as proposed
Inspection Comments: Same project as previously approved except one pool was mistakenly omitted. Good project for the resource. Ensure low flow construction pre-run-off.

Application Number: GD 02-18 Inspection Date: 01/10/2018
Applicant: Bruce Mazuranich
Landowner: John and Erlene Mazuranich
Contractor/Agent: Stuart Christopher, Bear Excavation
Perennial Stream: East Gallatin River
Type of Project: Bank Stabilization/Alteration
Type of Project: Fish Habitat
Purpose: The high-water runoff of spring 2014 caused considerable damage to the river banks along our fields. This project will provide stream bank protection as well as improve vegetation and fisheries habitat in those areas.

Proposed Construction Date: Start date: 02/15/2018 Finish date: 02/1/2019
Inspection Recommendations: None provided
Inspection Comments: N/A

Gallatin Conservation District Meeting Agenda

January 25, 2018
9:00 am

Application Number: GD 03-18

Applicant:

Landowner:

Contractor/Agent:

Perennial Stream:

Type of Project:

Type of Project:

Type of Project:

Type of Project:

Type of Project:

Purpose:

Inspection Date: 01/10/2018

Dry Creek Conservation Partners, LLC.

Lonny Walker

Ron Orton, Allied Engineering

Dry Creek

Bridge/Culvert/Ford Construction

Channel Alteration

Irrigation Structure

Fish Habitat

Placement of Fill

The purpose of the project is to provide fish passage around an existing irrigation structure and the Dry Creek Canal that is a barrier to fish passage. The principle objective is to provide connectivity during the irrigation season when the Dry Creek head gate is closed.

Proposed Construction Date:

Start date: 03/01/2018 Finish date: 04/15/2018

Inspection Recommendations:

Approval as proposed + 15-day waiting period waiver

Inspection Comments:

Ensure proper management of controls to optimize flow distribution especially early in spring during runoff. Hire qualified contractor.

Application Number: GD 04-18

Applicant:

Landowner:

Contractor/Agent:

Perennial Stream:

Type of Project:

Purpose:

Inspection Date: 01/10/2018

Bozeman High School District #7

Bozeman High School District #7

Chris Wasia, Genesis Engineering, Inc.

Mandeville Creek

Other: Restoration and Enhancement

Final phase restoring natural channel and riparian function to a degraded and ditched reach of creek; as a watershed stewardship and education project for Bozeman High School including the creation of a "living learning lab and outdoor classroom" and; to beautify the campus grounds. Given site infrastructure constrains a meandering meadow-type stream restoration is not possible and instead the project will re-create more of a mountain stream environment.

Proposed Construction Date:

Start date: 07/15/2018 Finish date: 08/29/2018

Inspection Recommendations:

Approval as proposed

Inspection Comments:

Same project as 2 upstream project reaches which look great. Time construction according to weather forecast considering flashiness of system.

<u>Application Number: GD 05-18</u>	<u>(To replace GD 59-17)</u>
Applicant:	Jefferson Island LLC
Landowner:	Jefferson Island LLC
Contractor/Agent:	Ty Traxler, Confluence Inc.
Perennial Stream:	West Gallatin River
Type of Project:	Bank Stabilization/Alteration
Type of Project:	Flood Protection
Type of Project:	Irrigation Structure
Purpose:	The purposes of the project are to 1) stabilize a rapidly eroding bank to prevent the West Gallatin River from being captured by a side channel/ditch system and permanently flooding the Circle B Ranch, and 2) maintain an efficient ability to divert irrigation water from the W. Gallatin River by relocating irrigation infrastructure.
Proposed Construction Date:	Start date: 02/01/2018 Finish date: 03/31/2018

The following list of changes made from the original application:

1. Included installation of willow bundles from the low water elevation up to the top of the riprap to provide a vegetative component and reduce velocities along the bank.
2. Lowered the top of riprap by 1' to reduce volume/extent of visible rock.
3. Included filling of voids in riprap with native pit run to reduce visual impact of riprap.
4. Included planting of cottonwoods and willows along the top of bank.
5. Included the installation of woody debris in the "scallop" area to increase roughness and slow flows.
6. Removed "optional" buried revetment and keyed in proposed riprap at upstream end of rock treatment.
7. Hardened 20' of channel and side slopes at the outlet of the culvert to protect the bank from head cutting.
8. Provided a slight depression on the bank to provide a preferential path to the "ditch."

From the minutes from the December 21, 2017 Meeting

M Rotar: Showed historical slides of area. The project area is east of Manhattan. Not a good location to put a point of diversion and riprap. There is a tight meander and the river may move away from here. The amount of riprap placed here is problematic as it will cause excessive hardening in this location. This may impact property owners along Central Park Road as well as the road itself.

M Henningsen: T Traxler and I met with Mike and Buddy. In 2012, there was a change use application with DNRC. He respectfully disagrees about the downstream risks. He said that there are imminent threats to Dry Creek Road. He said: 1) This project will prevent full scale flooding of their ranch as well as addresses their water rights. The head gate installed in 2013 may have caused some issues. It was installed outside of the bend, but now it's inside of the bend with extensive silting. 2) Moving the head gate allows capture of water to V Creek to utilize our water right. This is a hydrological riparian corridor. 3) Placement of riprap design allows the water to go over in a flood event. By moving it to the furthest western migration zone, it may mitigate impacts to us and our neighbors.

T Traxler: Rip-rap is not always popular or appropriate, but in this case, it is. The rock is sized to a 100 year event. The water availability issue is secondary to other issues.

J Camp: I lease this land and had advised the previous manager and M Henningsen of erosion. What do you suggest to mitigate this?

M Rotar: Softer treatments on top, some roughness to allow for less rip-rap; It's troubling about realigning the bank and filling-in part of the active channel. Re-engineer the bank with wood versus hardening with rip-rap. Soften upper bank, plug hole with woody debris.

M Hansen: Are you willing to tweak this application?

B Logar: Come back in January

M Henningsen: Yes, but we were told to withdraw the application

B Drake: No, we didn't suggest that

B Logar made a motion to table this until the January meeting, J Schutter seconds, motion carries

Board Decision: Tabled until January 2018 meeting

4. 310 Complaint

Application Number: GD 1C-18

Inspection Date: 01/10/2018

Alleged Violator:

Current Landing LLC (property owner)

Perennial Stream:

Gallatin River

Natural of Complaint:

An anonymous complaint was received by phone indicating that a landowner/business was manipulating rocks in the Gallatin River to fish. Montana Fish, Wildlife & Parks investigated, and it does appear that several rock bars have been constructed on river bank right. It appears to be handwork and does not pose an immediate threat to downstream or upstream river banks.

Inspection Comments:

5 hand placed barbs – handwork. Leave as is and re-inspect after high water. Recommend sending owner a letter educating on topic to pass on to fishing guide tenants.

5. 310 Old Business

Application Number GD 57-17 (Addresses Complaint GD 5C-17)

Applicant:

Rosa Johnson Development, LLC

Landowner:

John Rosa

Contractor/Agent:

Barbara Vaughn, Vaughn Environmental Services

Avenues of Resolution:

1. Modify outlet as per approved plan (new 310 application)
2. Remove

6. Adjournment of 310 Meeting

BUSINESS MEETING AGENDA

1. Guests & Public Comments on District Business Meeting
2. Consensus Agenda
 - a. December meeting minutes
 - b. Financials
3. NRCS: Chris Mahony
 - a. Civil Rights Review
4. Grants/Agreements/Contract Report
5. Old Business
6. New Business
 - a. Supervisor Term: Election / Nomination
7. Well-Testing Cost-share Program: None
8. Cost-share Program: None
9. CD Seminars/Workshops: None
10. Correspondence and Handouts
11. Accounting
12. Adjournment of Meeting