

Madison Stream Team Photo Point Guidance Document

[Photo-Point Field and Office Procedures](#)

Considerations When Taking Photographs

It is critical that photo-point photographs are an exact replicate of previous photos. This will require the use of the *MST Photo Point Guide* document for each location which includes directions to the site and instructions for locating and repeating photos. The first thing you need to do is locate the position that the photograph is to be taken from. The second thing you need to do is identify the features in the photo that let you know you are repeating it exactly. In addition to photo-point photographs, supplementary photographs can be taken at the photographer's discretion to document interesting conditions at the site. Artistic expression is encouraged as some photos may be used on websites and in slide shows. Season and weather conditions should be considered when scheduling monitoring events especially if there are implications for site accessibility. Scheduling events to capture different stream flow levels and seasonal changes in vegetation can be advantageous. The camera should not be zoomed in unless specifically directed in the *MST Photo Point Guide*.

Equipment Needed

Required:

- Camera and backup camera
- MST Photo Point Guide
- Wipe off sheet
- Dry erase marker
- Rag to erase white board
- Topographic and/or road map
- Compass
- Timepiece
- Extra batteries for camera (if applicable)
- Photo-log data sheets

Optional:

- Aerial photos if available
- GPS unit (if applicable)
- Staff gauge (for scale on landscape shots)
- Ruler (for scale on close up views of streams and vegetation)
- Steel fence posts for dedicating fixed photo points in the absence of available fixed landmarks

Field Procedures

Once at a monitoring site, the following step should be performed:

First, take a photograph of a wipe off sheet that displays the information about the site. The wipe off sheet should be photographed before any site photos are taken and again after all photos are taken at the site to facilitate data management. Information on the white board should include stream name, site ID, date, photographer name, and start time.

Ensure that the date and time in the camera are set correctly. If they are not correct and you cannot figure out how to reset them; make a note of the incorrect time on the datasheet.

Confirm photographer location with either existing marker (steel fence post), GPS, or by referencing the description contained within the station location guide.

Locate the definitive features for the given photo-point and correctly align the feature within the camera's view using a compass

Take a photograph. Be sure not to zoom in.

With digital cameras, confirm photograph is as close to a complete duplication as possible to the original photograph.

Pay particular attention to the corners of the old photo. Does your photo have the same features in each corner?

Does your photo look like it is too close or too far away? If so, move accordingly.

Is the horizon the same?

Record the appropriate information (metadata) on the datasheet

Once all photos have been taken, update the wipe off sheet with the end time and the number of photos taken and photograph the board (example below). A photo of the wipe off sheet should be the first and last photograph taken at each site.

Madison Stream Team Site Photos

Date:

Site:

Photographer(s):

Start Time:

End Time:

Number of Photos taken:

The photos of the wipe off sheet should be included in the number of photos taken at each site as indicated on the wipe off sheet. In the example above, three photos would have been taken at the site and two of the wipe off sheet, totaling to 5 photos taken.

Delivery of Photos to the Project Manager

It is critical that photos are transferred off of the camera shortly after they are collected and that they are backed up to a web-based server.

Moores Creek - State Lands (MC-STATE)



Imagery ©2016 Google, Map data ©2016 Google

5000 ft

222 Main St

Ennis, Mt 59729

- ↑ 1. Head west on US-287 N/Main St toward 2nd St
[Continue to follow US-287 N](#) 0.2 mi
- ↑ 2. Continue onto MT-287 N/W Main
[Continue to follow MT-287 N](#) 0.3 mi
- ↱ 3. Keep right 0.3 mi
- ↶ 4. Turn left toward Centennial Dr/Gravelly Rd 0.2 mi
- ↑ 5. Continue onto Centennial Dr/Gravelly Rd
[Continue to follow Centennial Dr](#) 3.1 mi



Where to Stand:

Cross the stream (south side) and stand with the fence poster marker in front of you while facing north (across the stream).

Moores Creek - State Lands (MC-STATE)

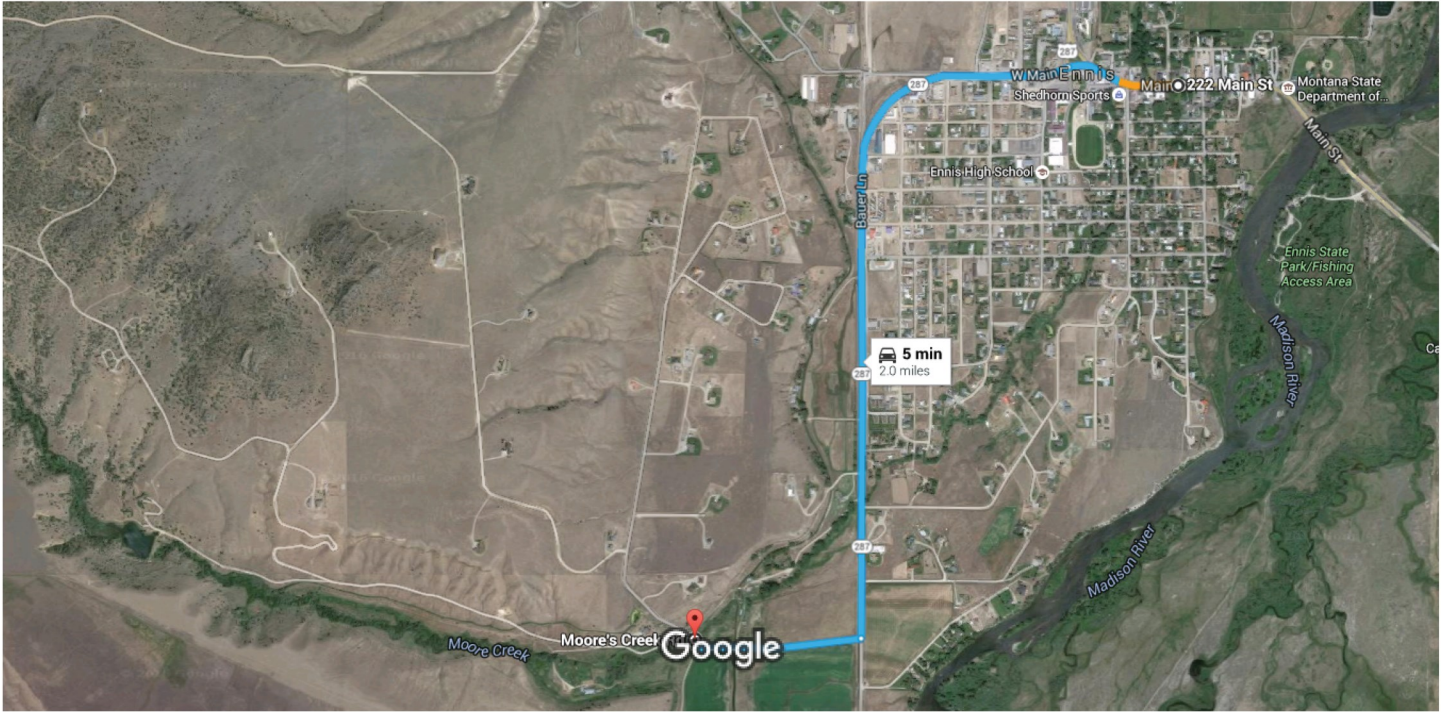
UPSTREAM



DOWNSTREAM



Moore's Creek - Moore's Creek Road (MC-MCR)



Imagery ©2016 Google, Map data ©2016 Google

1000 ft

222 Main St

Ennis, Mt 59729

1. Head west on US-287 N/Main St toward 2nd St

[Continue to follow US-287 N](#)

0.2 mi

2. Continue onto MT-287 N/W Main

[Continue to follow MT-287 N](#)

1.4 mi

3. Turn right onto Moore's Creek Rd

0.3 mi



Where to Stand:

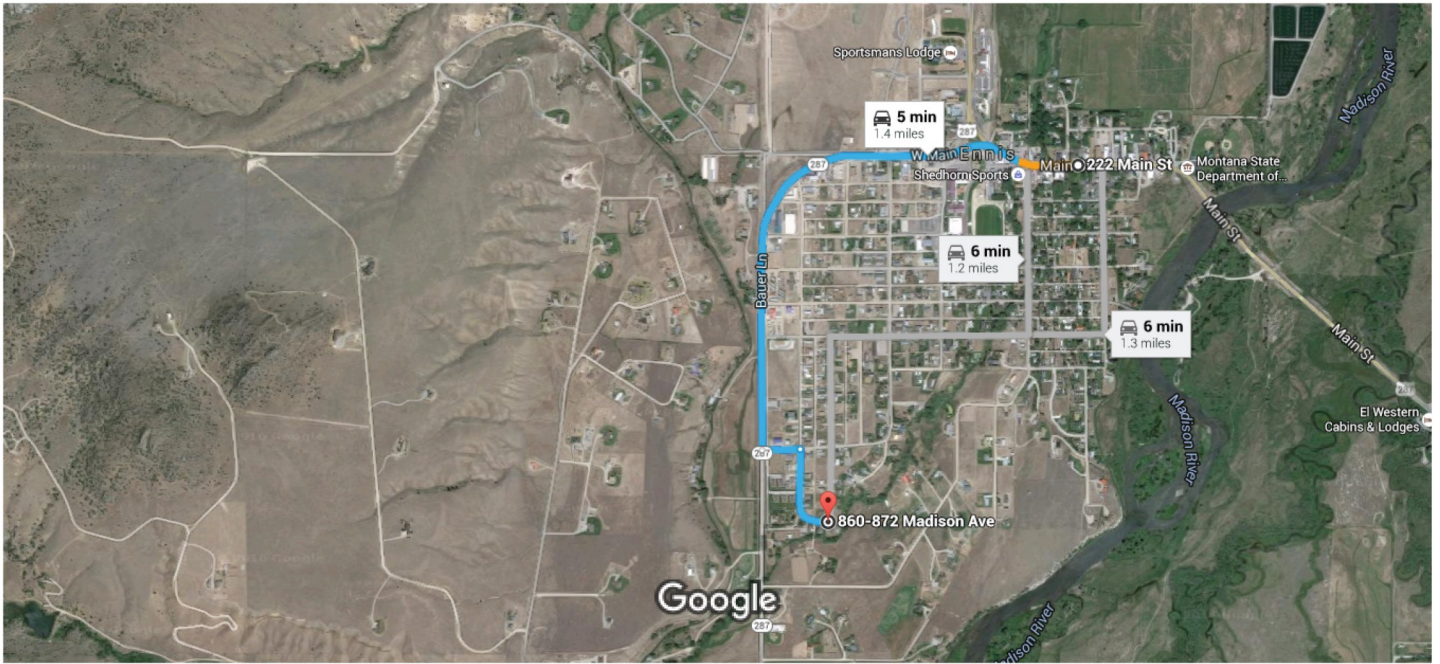
Neal down near the middle fence post on the bridge (facing upstream). Rest the camera on the horizontal pole while taking the photo

Moores Creek - Moores Creek Road (MC-MCR)

UPSTREAM



Moores Creek - Bricker Property (MC-BRK)



Imagery ©2016 Google, Map data ©2016 Google

1000 ft

222 Main St

Ennis, Mt 59729

- ↑ 1. Head west on US-287 N/Main St toward 2nd St
[Continue to follow US-287 N](#) 0.2 mi
- ↑ 2. Continue onto MT-287 N/W Main
[Continue to follow MT-287 N](#) 0.9 mi
- ↩ 3. Turn left onto Beaverhead St 397 ft
- ↪ 4. Turn right onto Madison Ave 0.2 mi

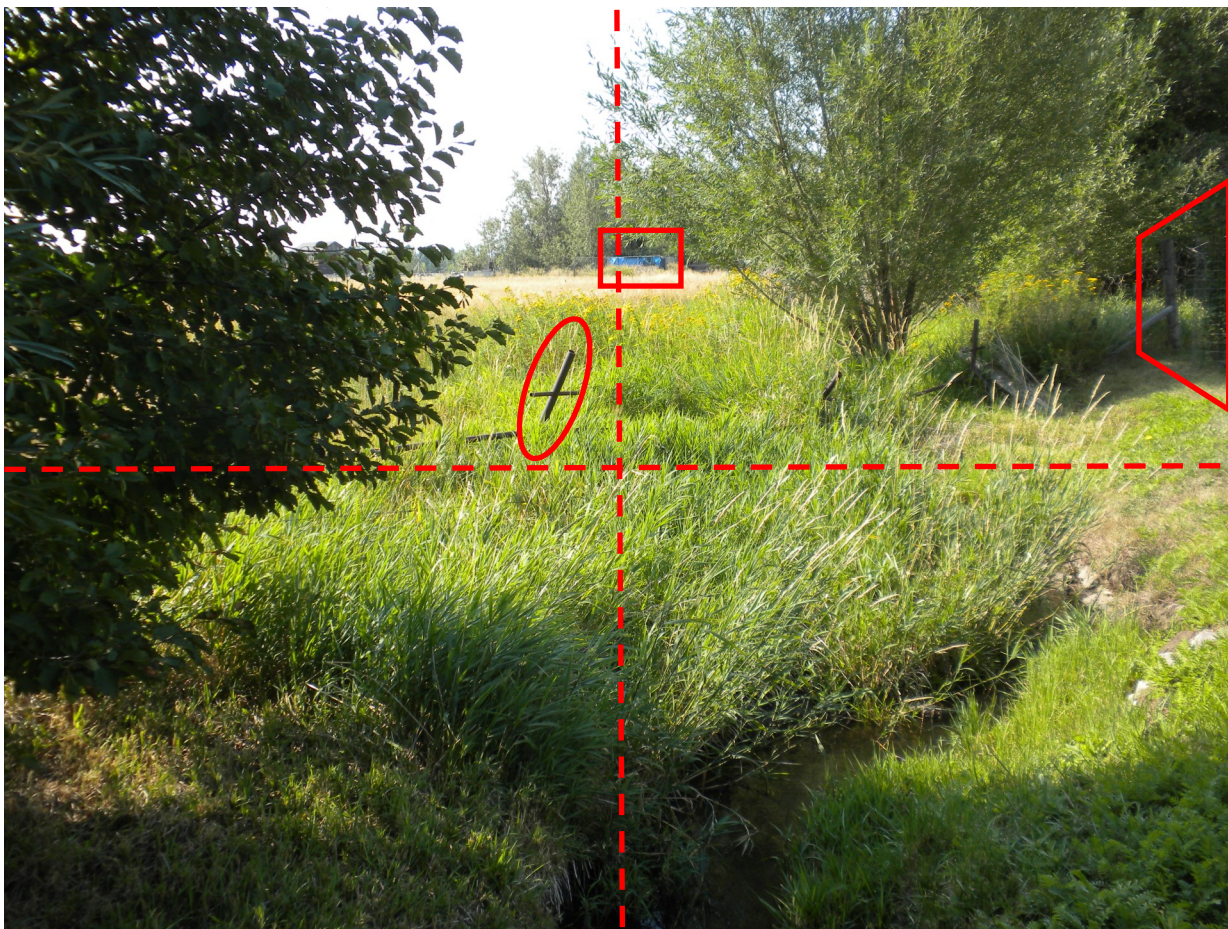


Where to Stand:

Squat or lay on the foot bridge to take your photos. Lay at the downstream edge of bridge when taking the downstream photos, and lay at the upstream edge while taking upstream photos.

Moores Creek - Bricker Property (MC-BRK)

UPSTREAM



DOWNSTREAM



Moore's Creek - Ennis Homestead (MC-HOME)



Imagery ©2016 Google, Map data ©2016 Google 100 ft

222 Main St

Ennis, Mt 59729

- ↑ 1. Head west on US-287 N/Main St toward 2nd St
Continue to follow US-287 N 0.1 mi
- ➔ 2. Turn right toward William St 256 ft
- ➔ 3. Turn right onto William St
Destination will be on the right 151 ft



Where to Stand:

For the downstream photo, stand in the middle of the culvert facing downstream.
For the "across stream" photo, stand in front of the pole while facing west.

Moores Creek - Ennis Homestead (MC-HOME)

DOWNSTREAM



ACROSS STREAM



Moore's Creek - Hospital (MC-HOSP) *Goggins Project*

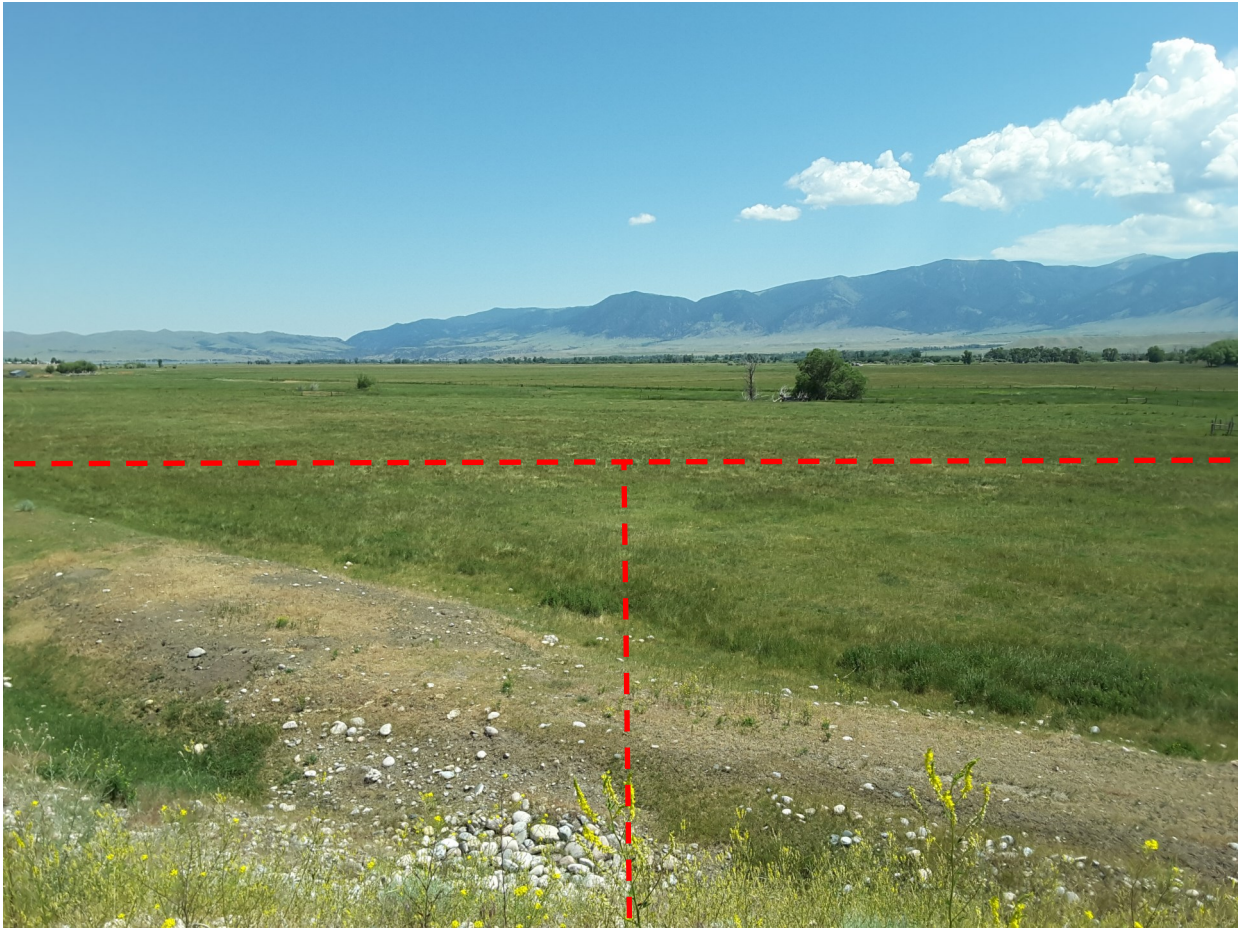


Where to Stand:

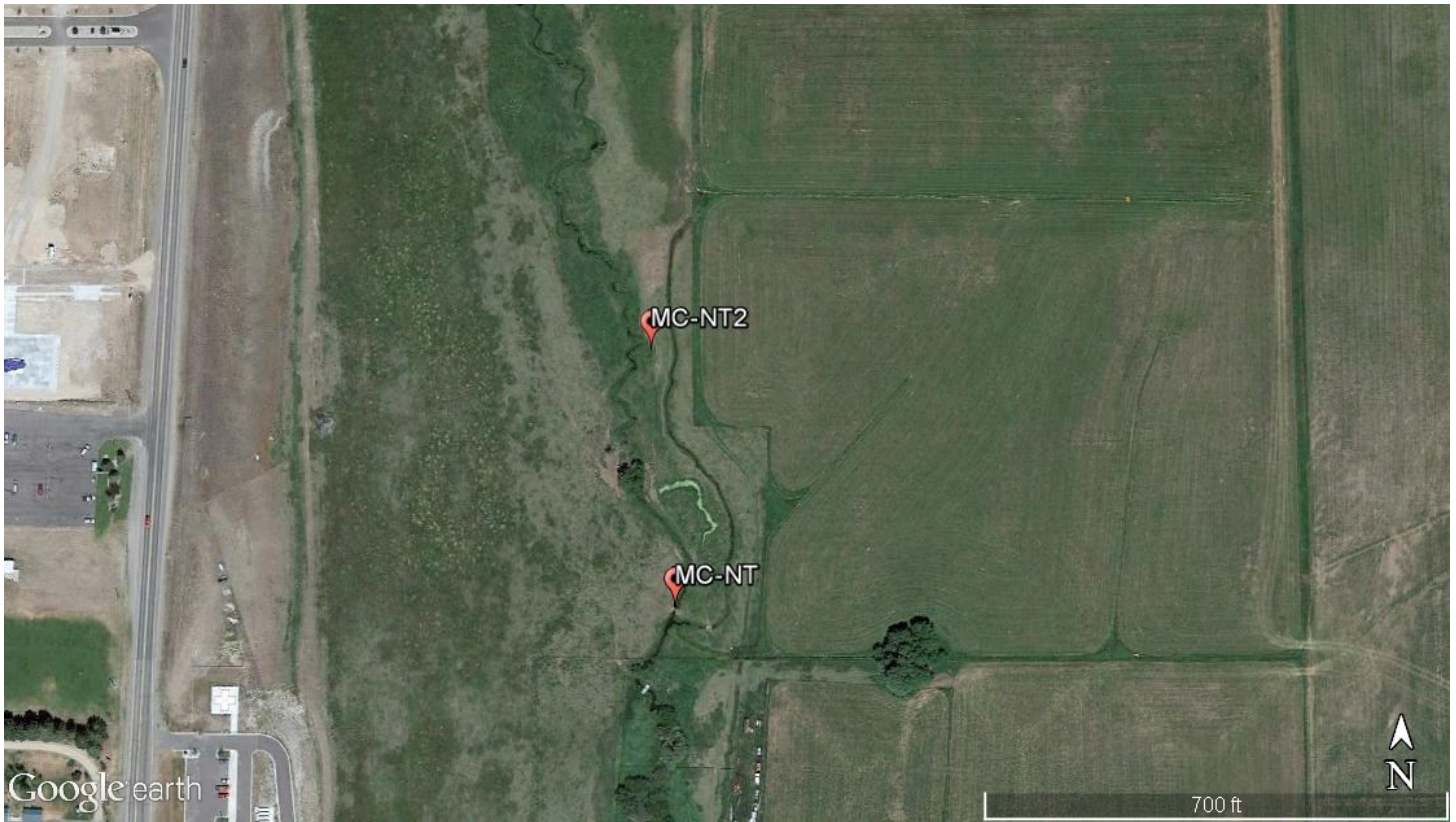
Walk to the northeast corner of the parking lot at the hospital. Stand at the far left wooden fence post and take the picture overlooking the pasture.

Moores Creek - Hospital (MC-HOSP) *Goggins Project*

Across Stream



Moore's Creek - North of Town (MC-NT) *Goggins Project*



Where to Stand:

Stand in the center of the board overlaying the diversion structure

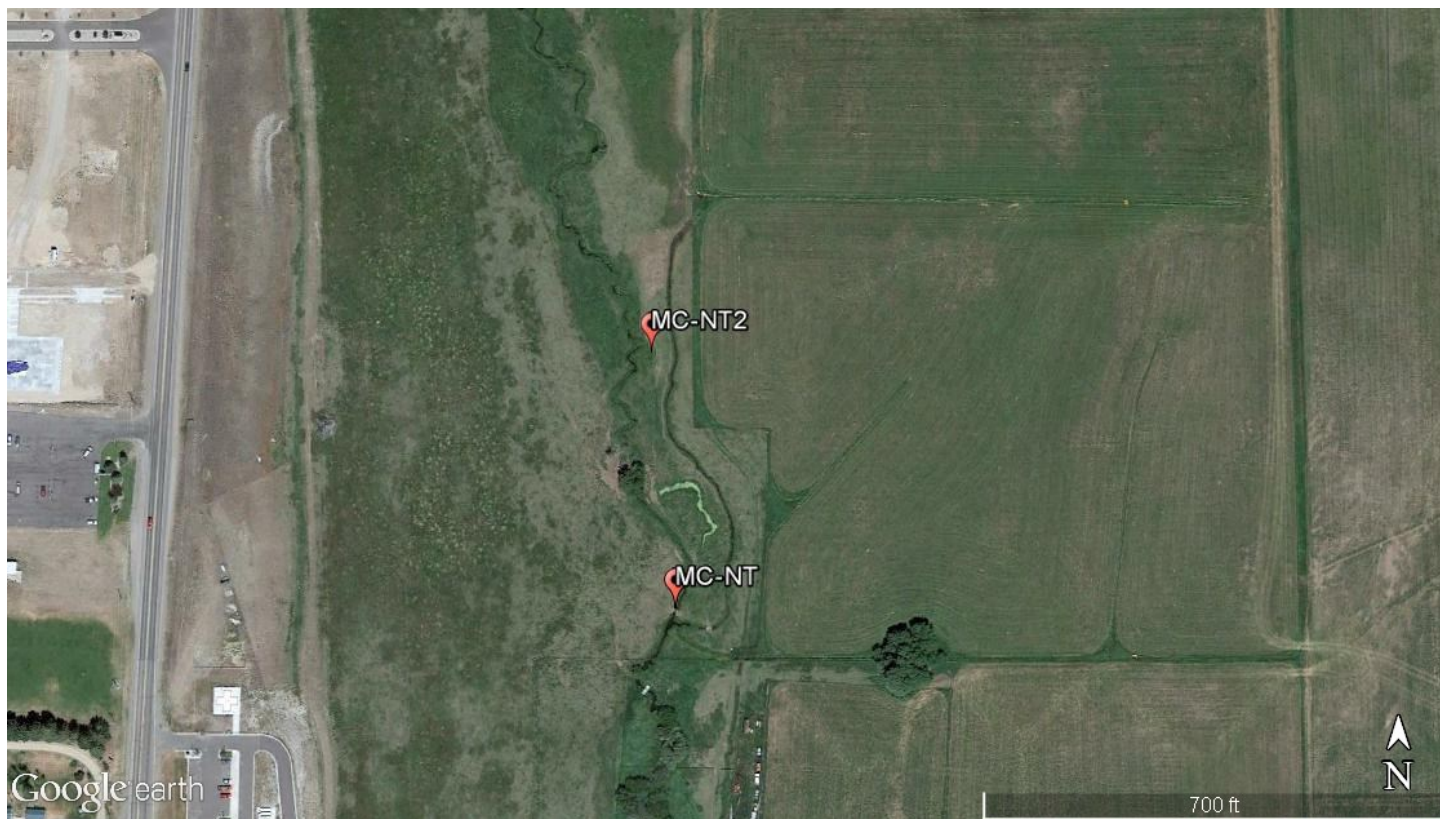
Moores Creek - North of Town (MC-NT) *Goggins Project*

Downstream



Moore's Creek - North of Town #2(MC-NT2)

45.354115, -111.729515



Where to Stand:

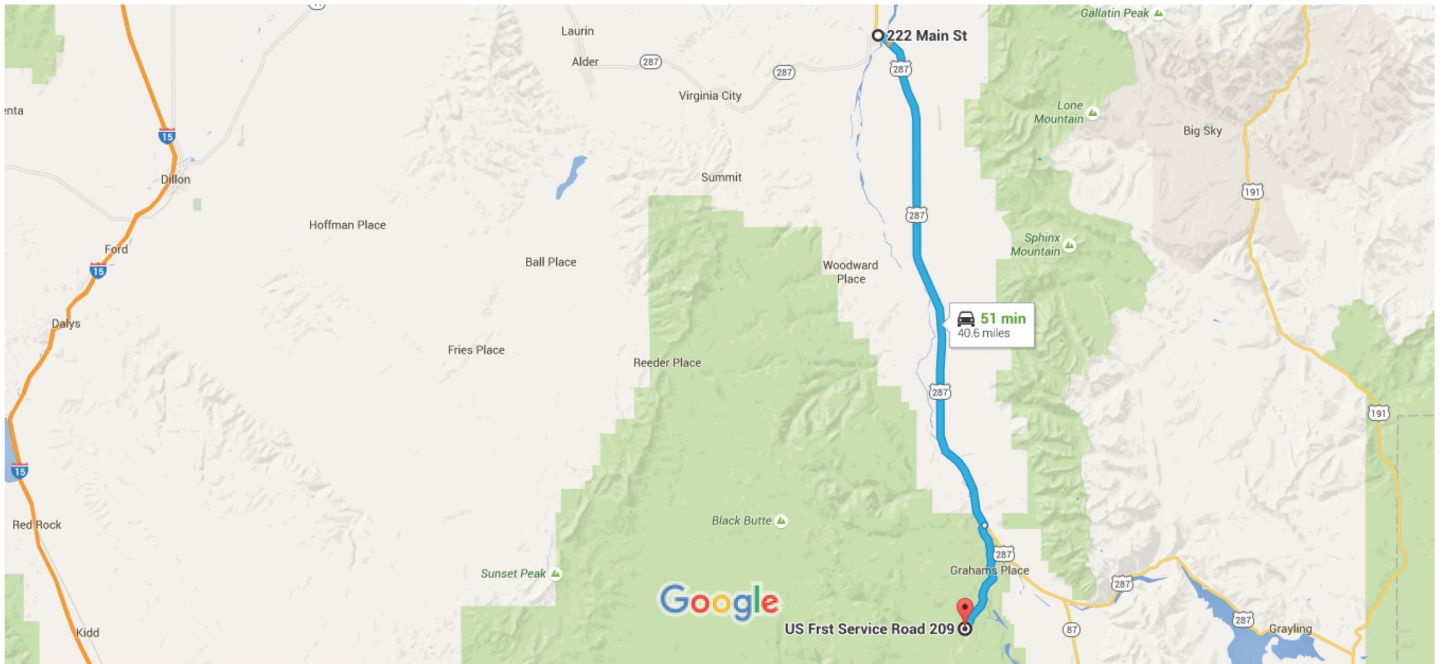
Stand in front of the center fence post.

Moores Creek - North of Town #2 (MC-NT2)

Downstream



West Fork—Fencing Photo Points



Map data ©2016 Google 5 mi

222 Main St

Ennis, Mt 59729

1. Head east on US-287 S/Main St toward 3rd St

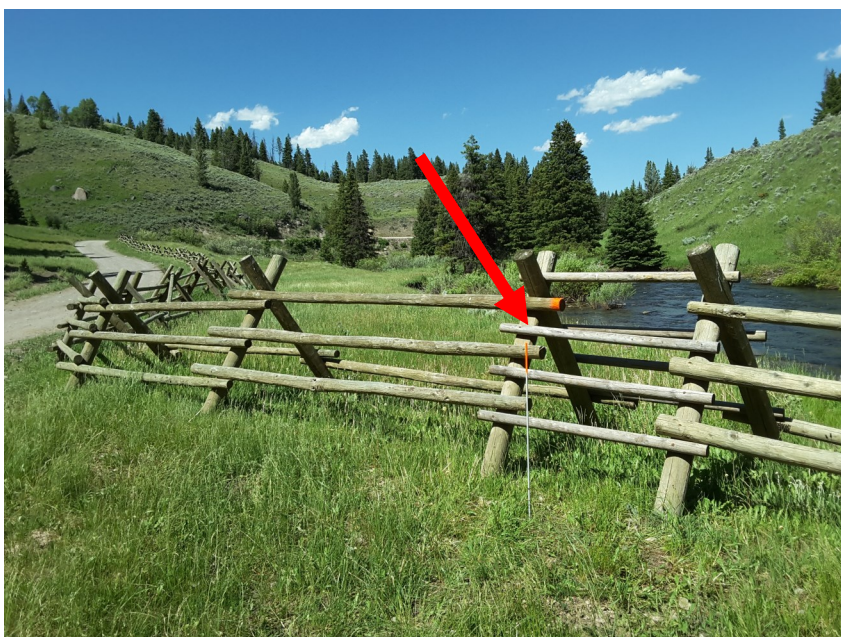
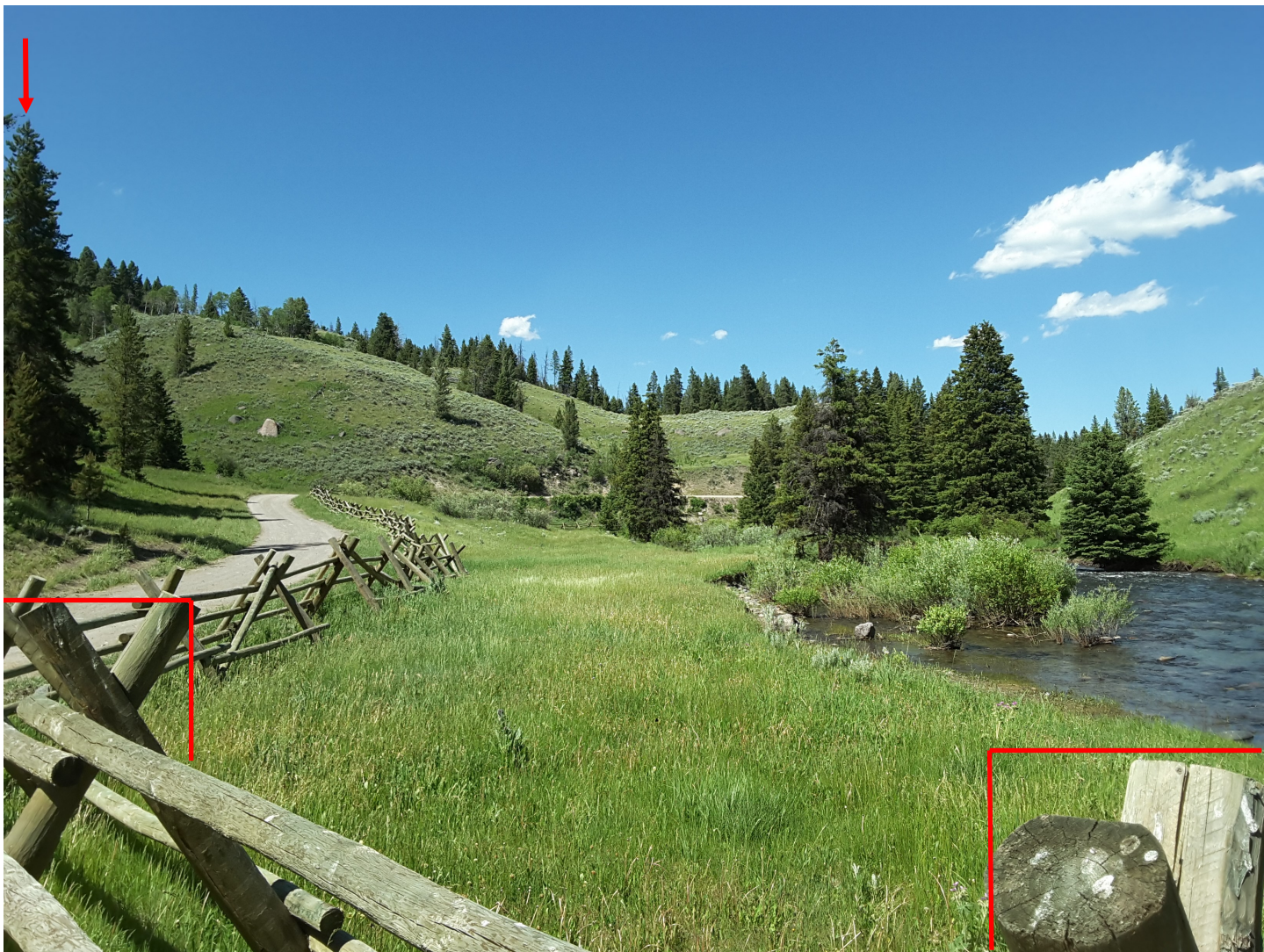
[Continue to follow US-287 S](#)

33.0 mi

2. Turn right onto US First Service Rd 209

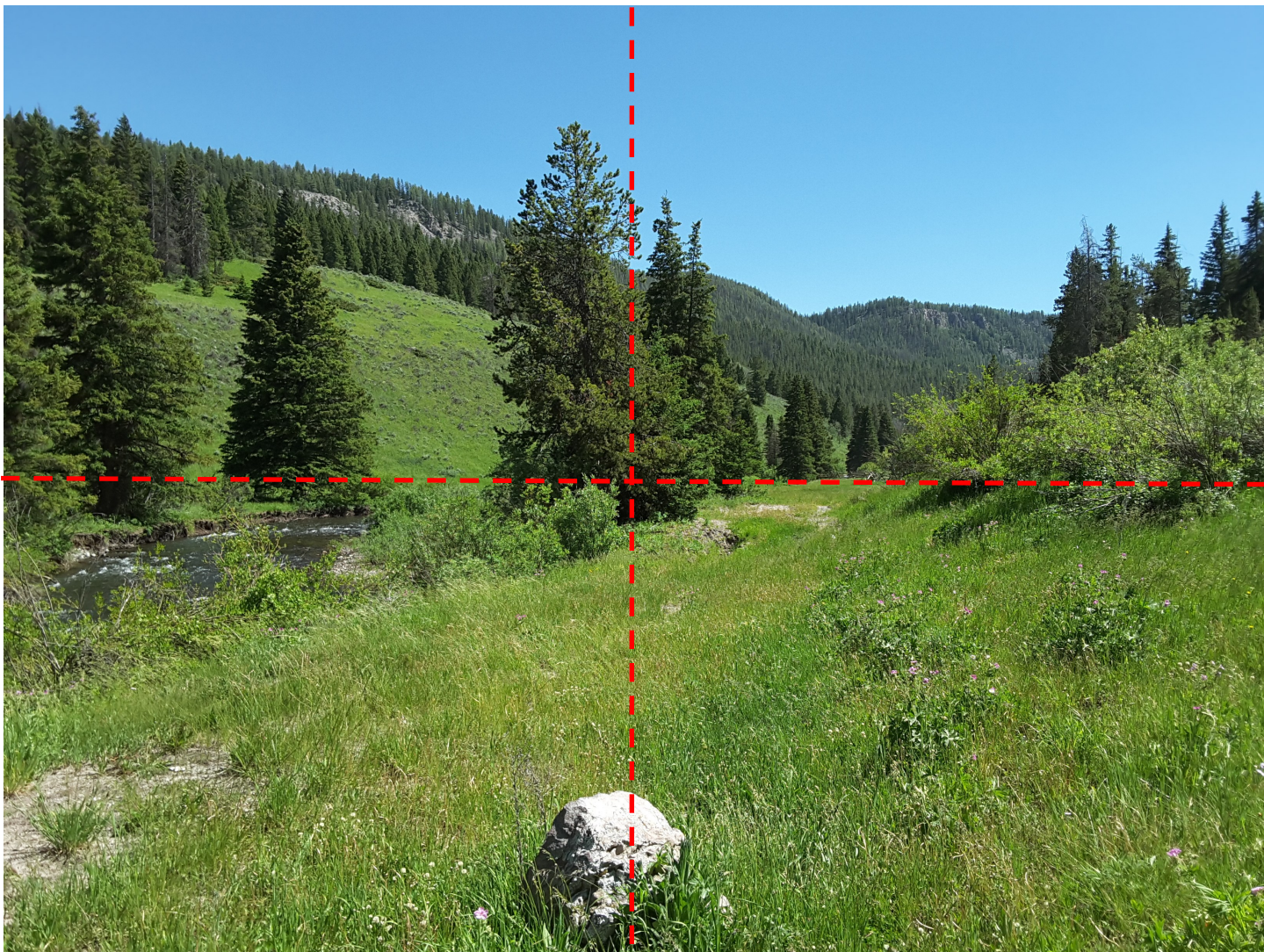
7.6 mi





Where to Stand:

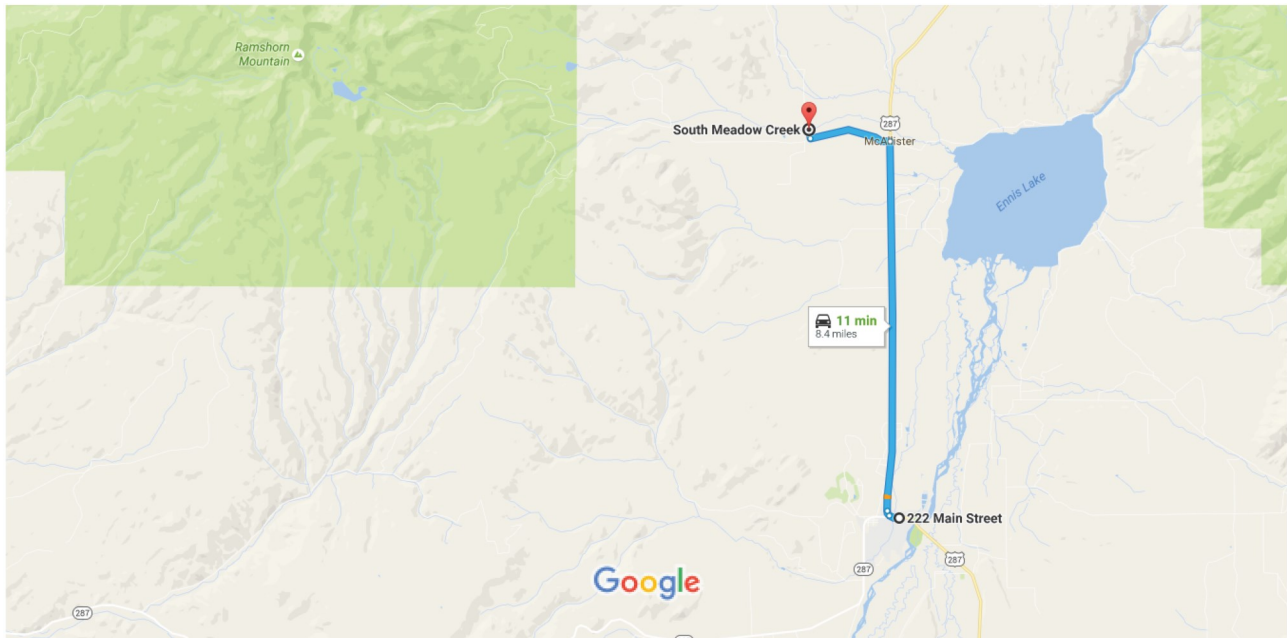
Stand with the fiberglass pole directly in front of you, while facing upstream. Line up the tops of the two posts as shown in the photo above.



Where to Stand:

Stand with the fiberglass pole directly in front of you as you face downstream. Use the rock as a reference for lining up the photo.

South Meadow—North Meadow Cr. Road (SM-NMCR)



Map data ©2016 Google 1 mi

222 Main Street

Ennis, MT 59729

1. Head west on US-287 N/Main St toward 2nd St
[Continue to follow US-287 N](#) 0.2 mi
2. Slight right at Chowning St 0.1 mi
3. Continue straight onto US-287 N 6.5 mi
4. Turn left onto N Meadow Creek Rd 1.5 mi
5. Turn right to stay on N Meadow Creek Rd 0.2 mi



Where to Stand:

South Meadow—North Meadow Cr. Road (SM-NMCR)

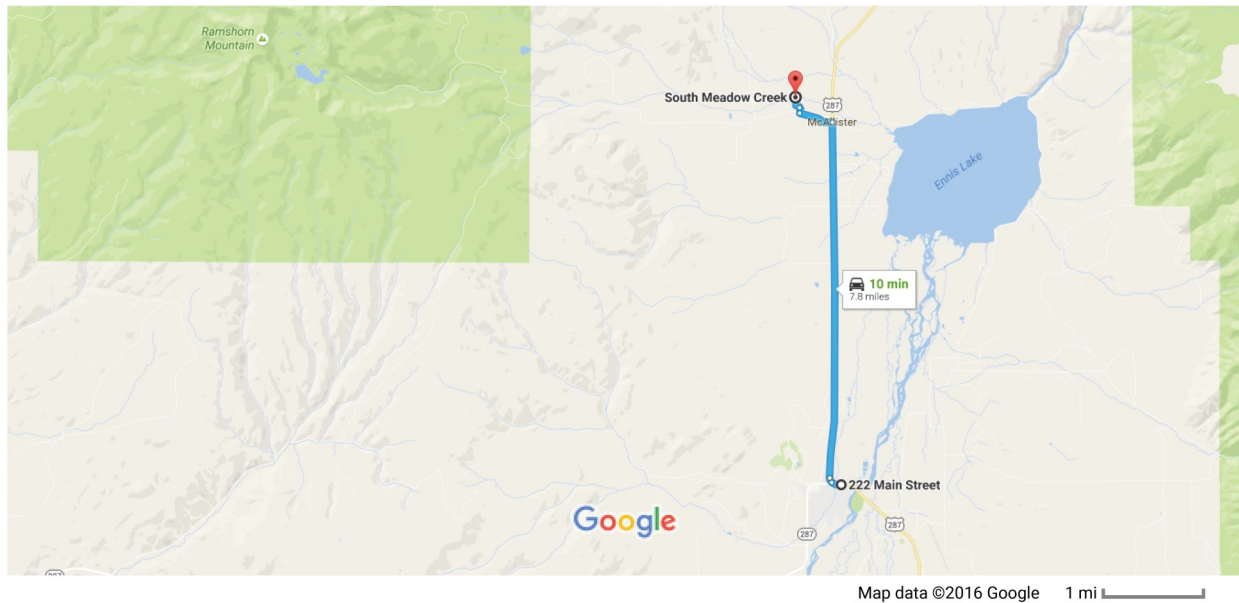
DOWNSTREAM



Upstream



South Meadow—Endecott (SM-EDC)



222 Main Street

Ennis, MT 59729

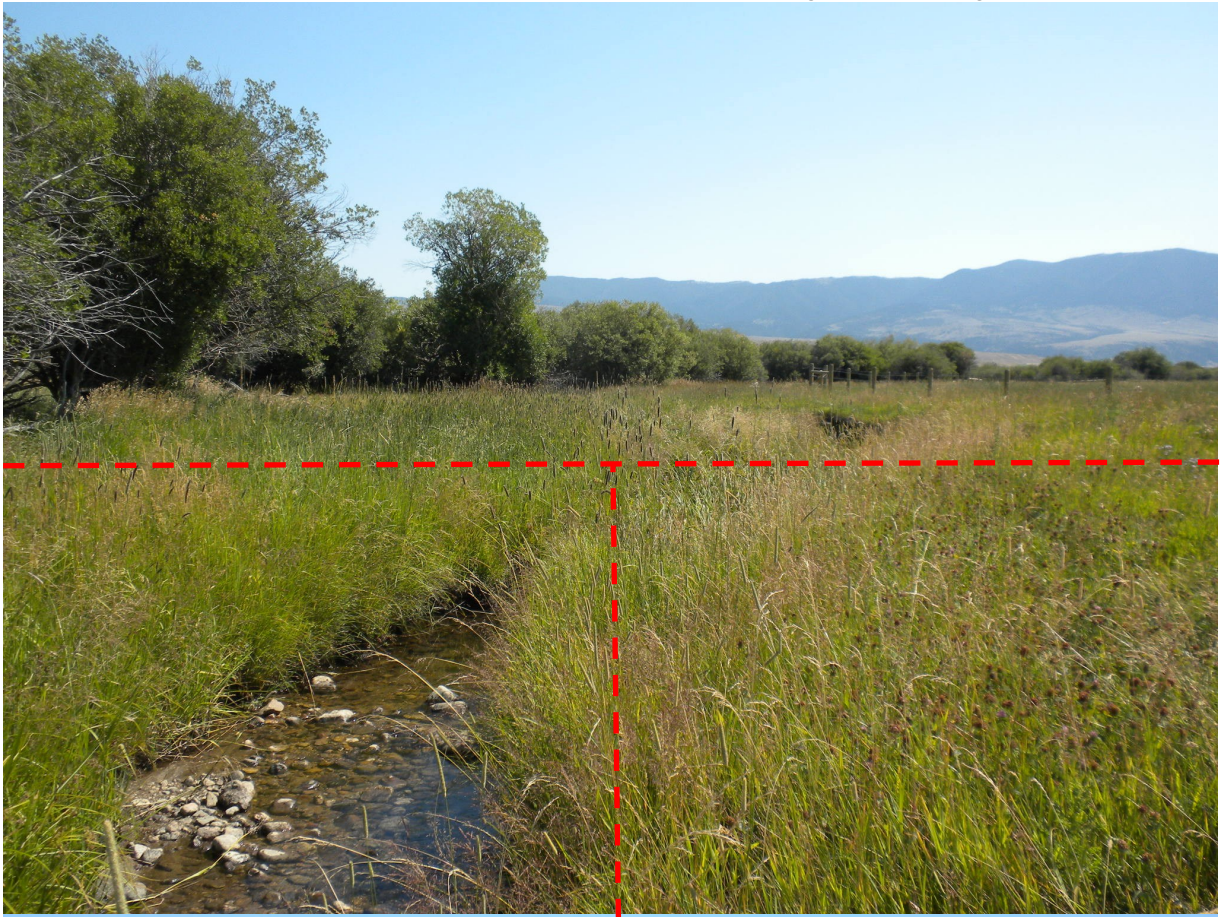
- ↑ 1. Head west on US-287 N/Main St toward 2nd St
[Continue to follow US-287 N](#) 0.2 mi
- ↗ 2. Slight right at Chowning St 0.1 mi
- ↑ 3. Continue straight onto US-287 N 6.5 mi
- ↖ 4. Turn left onto N Meadow Creek Rd 0.6 mi
- ↘ 5. Turn right 0.1 mi
- ↗ 6. Slight right
[Destination will be on the left](#) 0.2 mi



Where to Stand:

South Meadow—Endecott Ranch (SM-EDC)

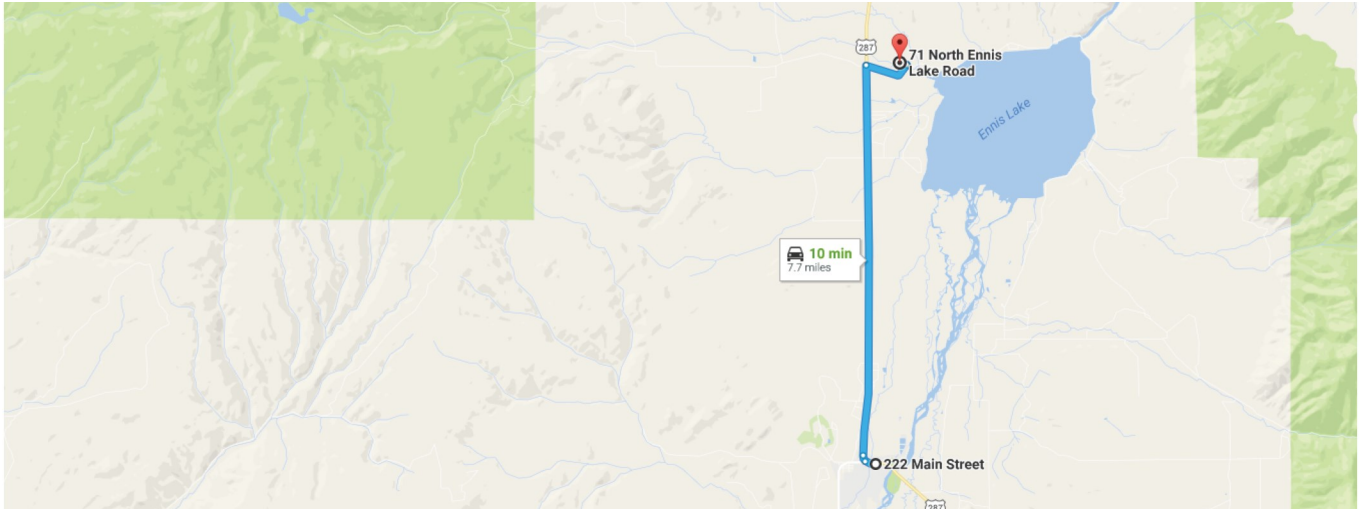
DOWNSTREAM



Upstream



South Meadow—Crumley Ranch (SM-CR)



- ↑ 1. Head west on US-287 N/Main St toward 2nd St
[Continue to follow US-287 N](#) 0.2 mi
- ↗ 2. Slight right at Chowning St 0.1 mi
- ↑ 3. Continue straight onto US-287 N 6.5 mi
- ↘ 4. Turn right onto N Ennis Lake Rd 0.8 mi
- ↙ 5. Turn left 118 ft
- ↙ 6. Turn left 0.1 mi



Where to Stand:

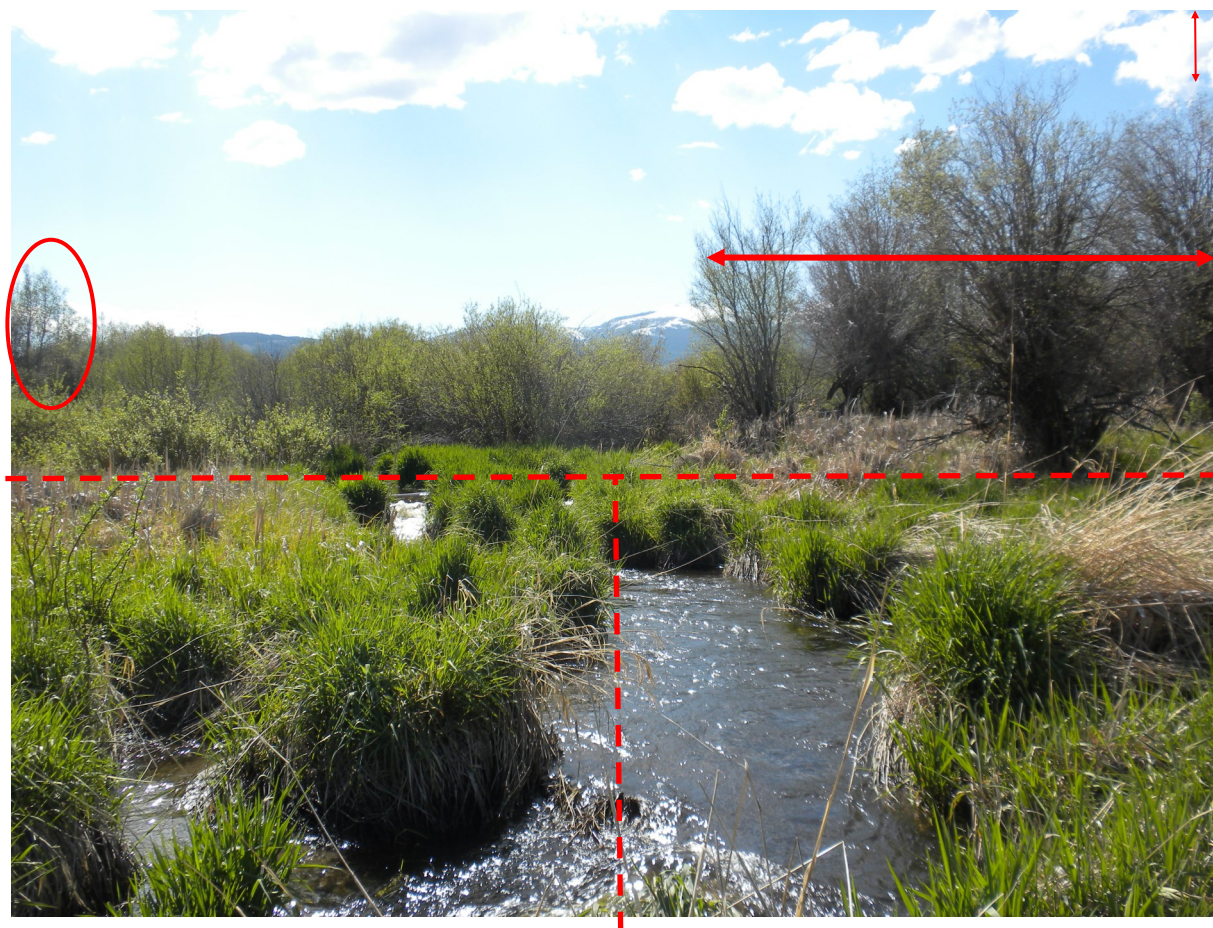
Stand on the north side of the stream, roughly 1 yard upstream of the TruTrack stilling well.

South Meadow—Endecott Ranch (SM-CR)

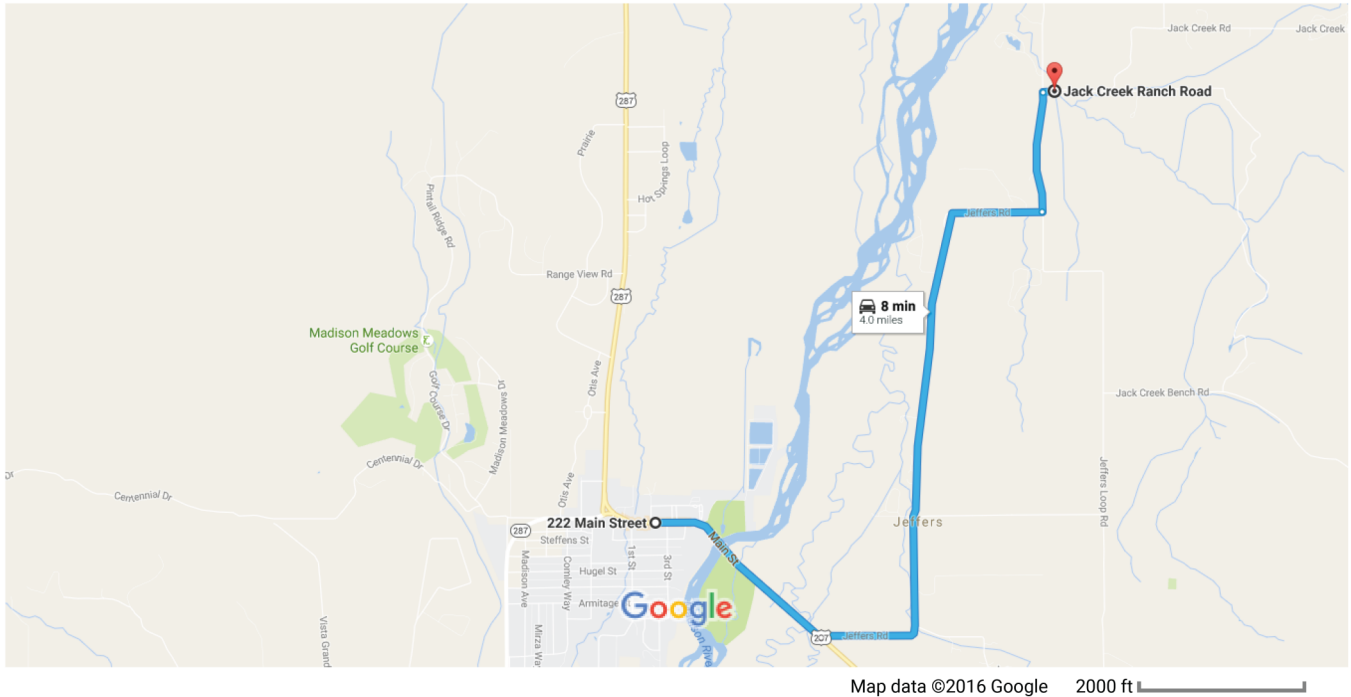
DOWNSTREAM



Upstream



Jack Creek—Jack Creek Ranch (JC-JCR)



222 Main Street

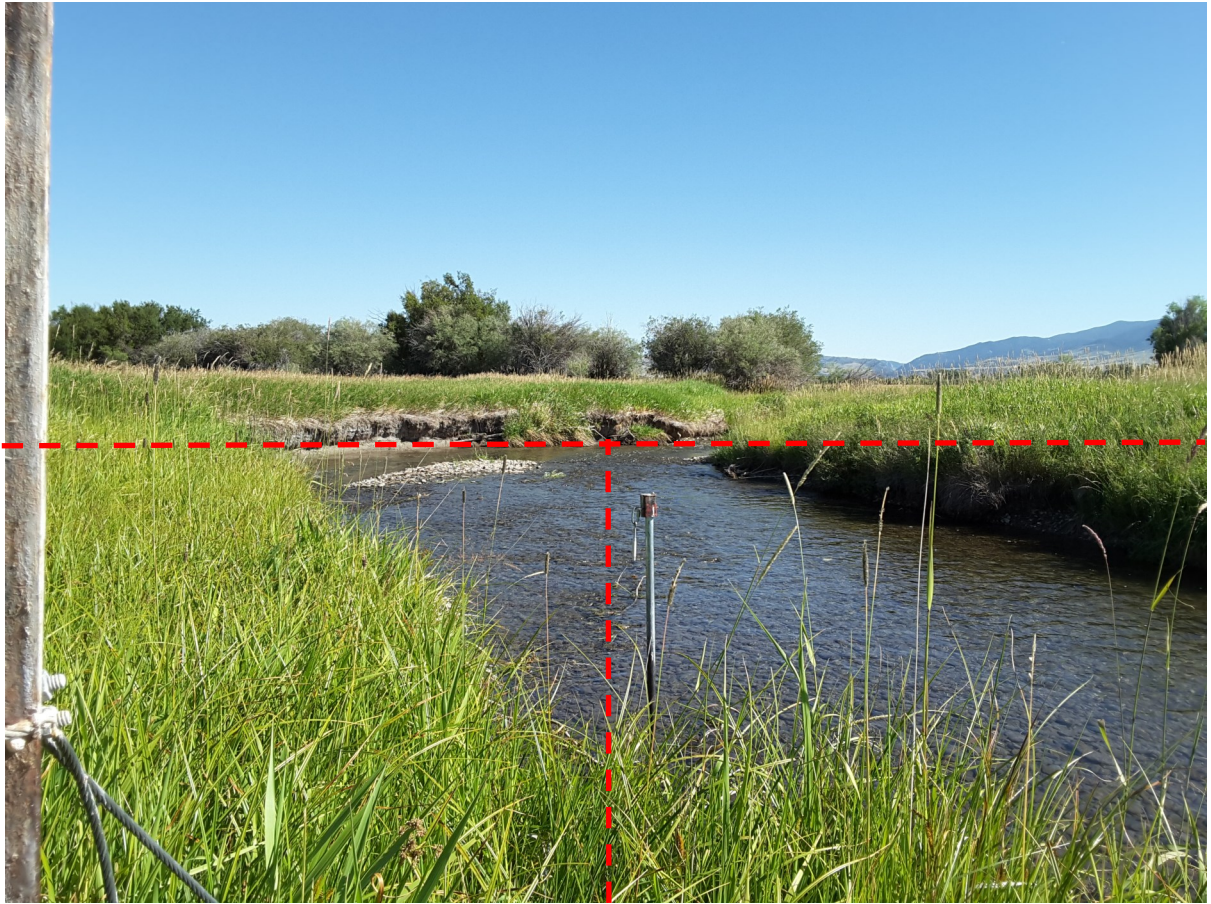
Ennis, MT 59729

- ↑ 1. Head east on US-287 S/Main St toward 3rd St
[Continue to follow US-287 S](#)
0.9 mi
- ↙ 2. Turn left onto Jeffers Rd
2.6 mi
- ↙ 3. Turn left to stay on Jeffers Rd
0.5 mi
- ↘ 4. Turn right onto Jack Creek Ranch Rd
249 ft

Stand next to the t-post used to secure the TruTrack

Jack Creek—Jack Creek Ranch (JC-JCR)

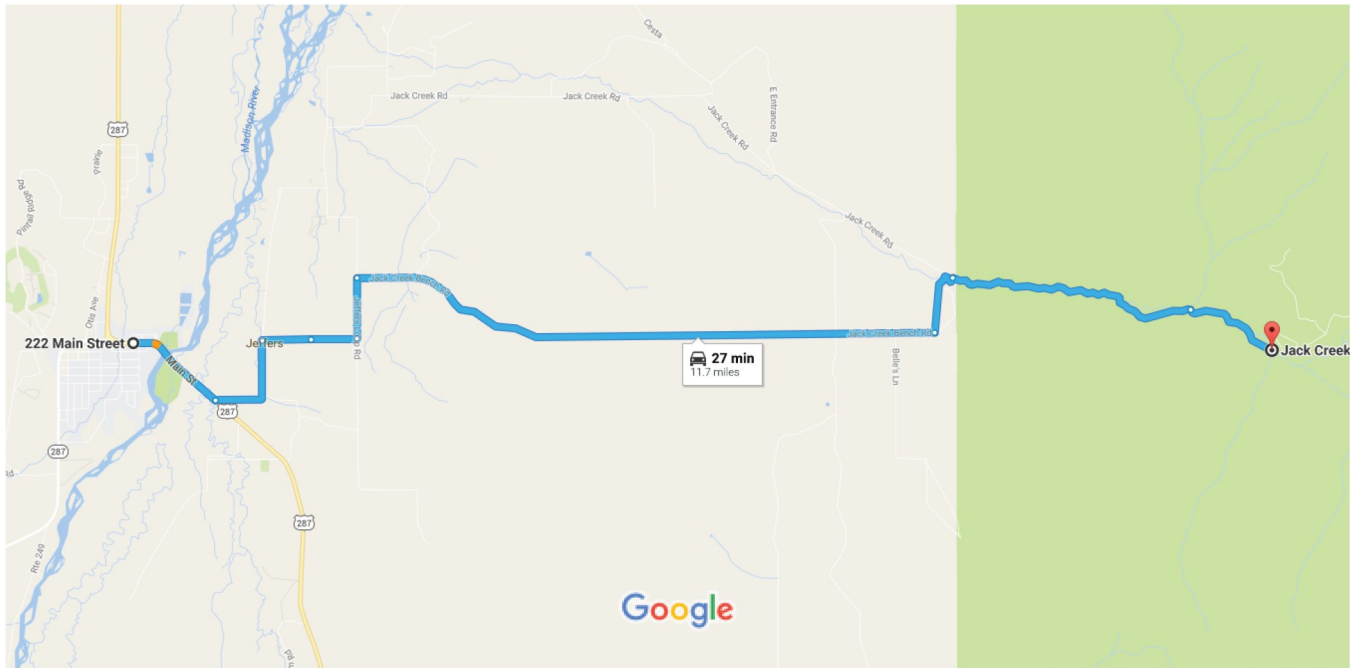
DOWNSTREAM



Upstream



Jack Creek—Campground (JC-CG)



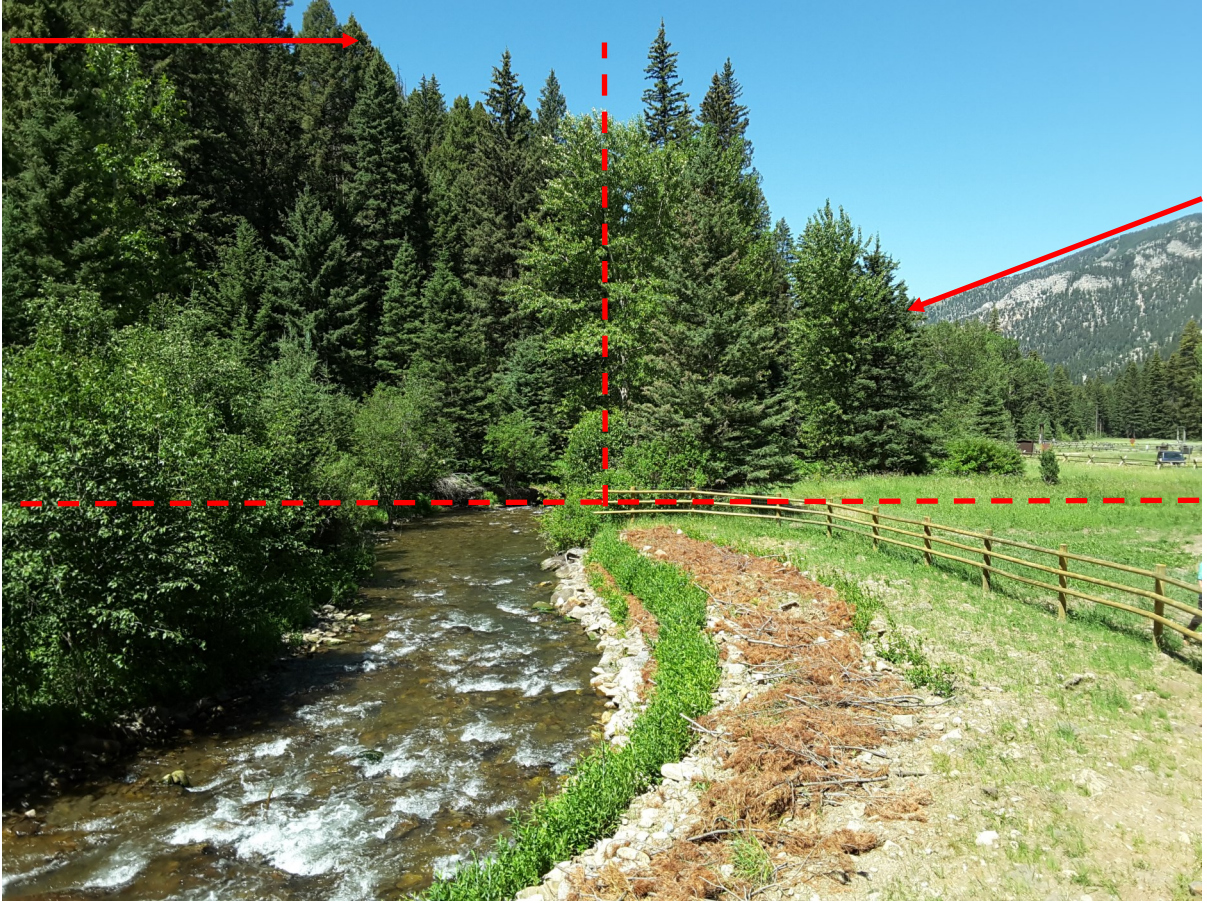
DOWNSTREAM—Stand next to the post painted orange and face downstream.



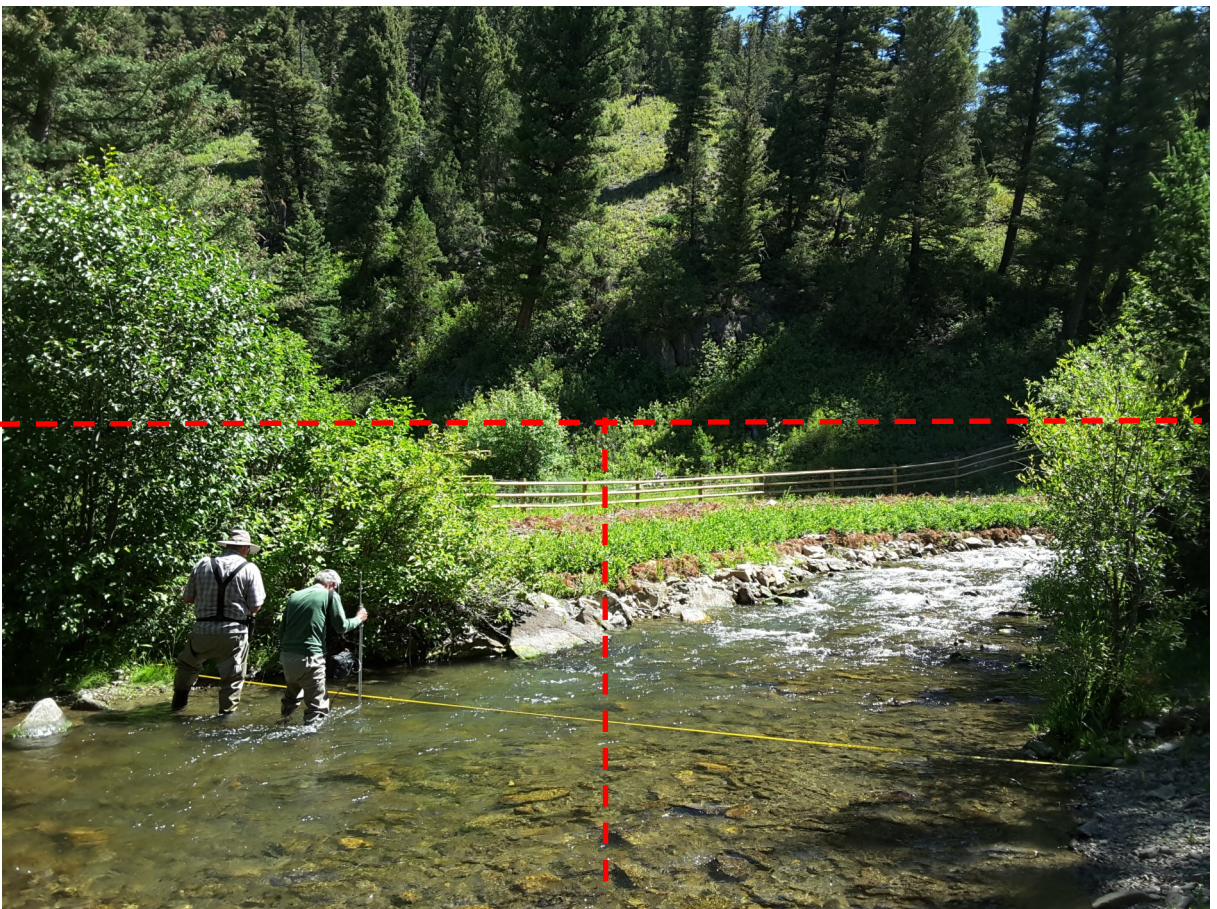
UPSTREAM -Stand in front of the tree with the game camera attached and face upstream

Jack Creek—Campground (JC-CG)

DOWNSTREAM



Upstream



Jack Creek—South Side Road

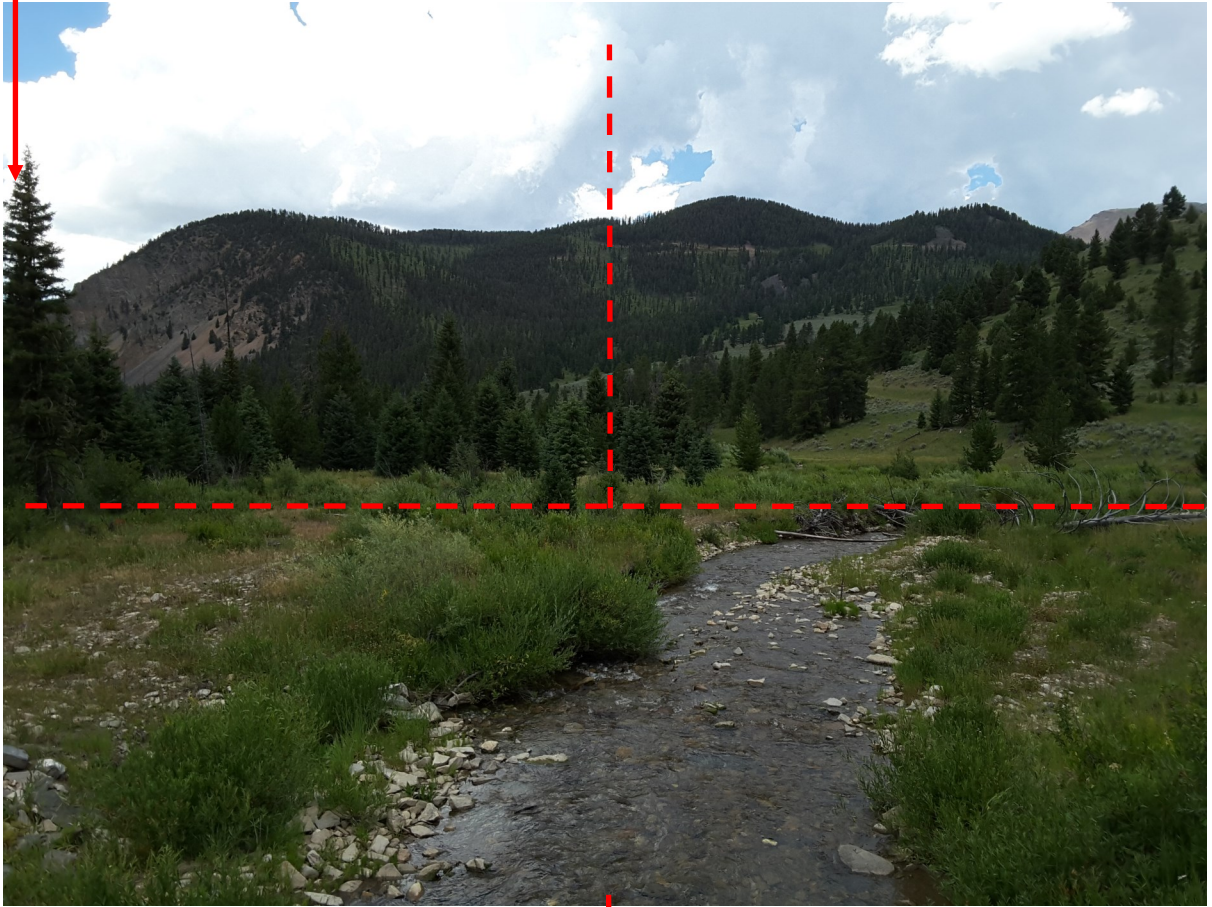


DOWNSTREAM—Stand on the downstream side of bridge, in the center, and take the photo.

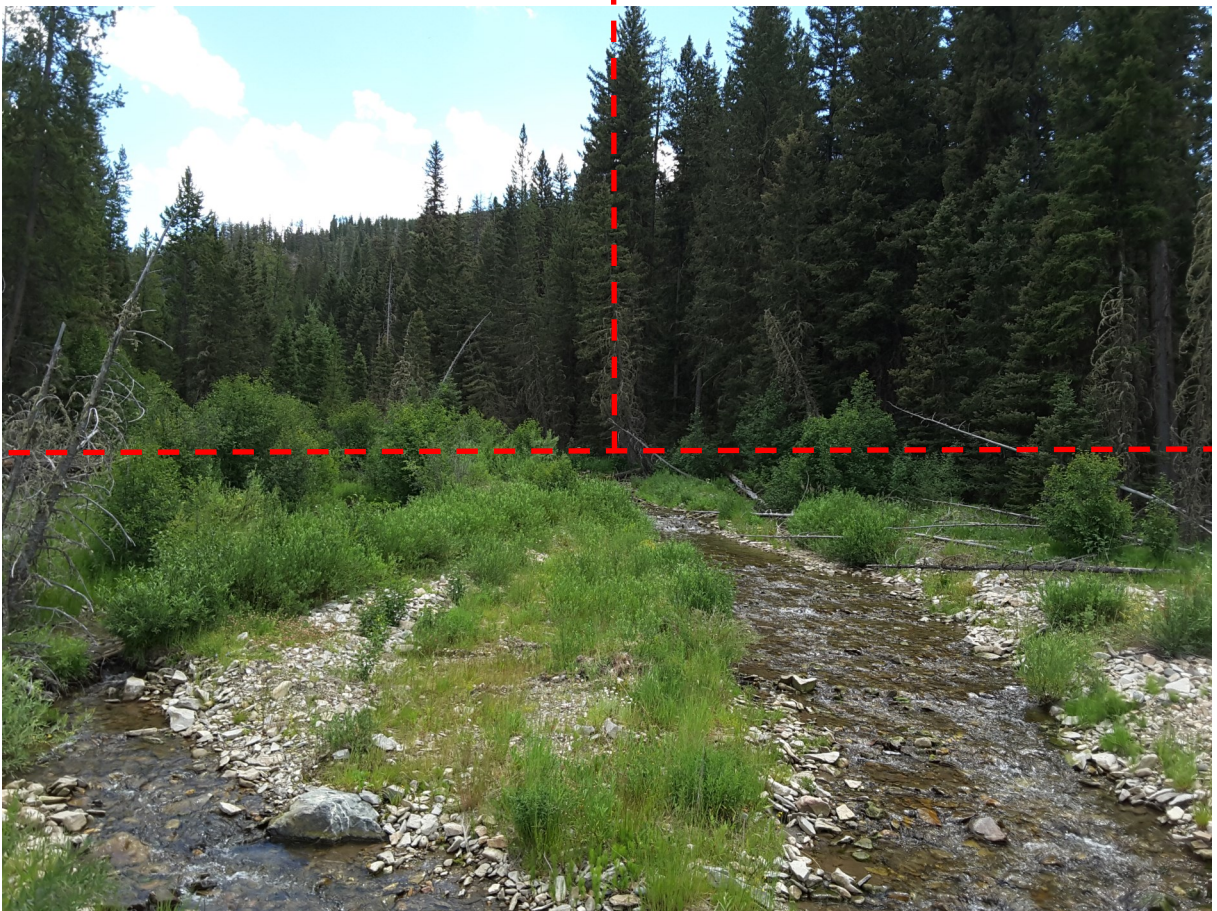
UPSTREAM—Stand on the upstream side of the bridge, in the center, and take the photo.

Jack Creek—South Side Road (JC-SSR)

DOWNSTREAM



UPSTREAM



O'Dell Creek—Site 1 (OD-1)

45.272507, -111.737534

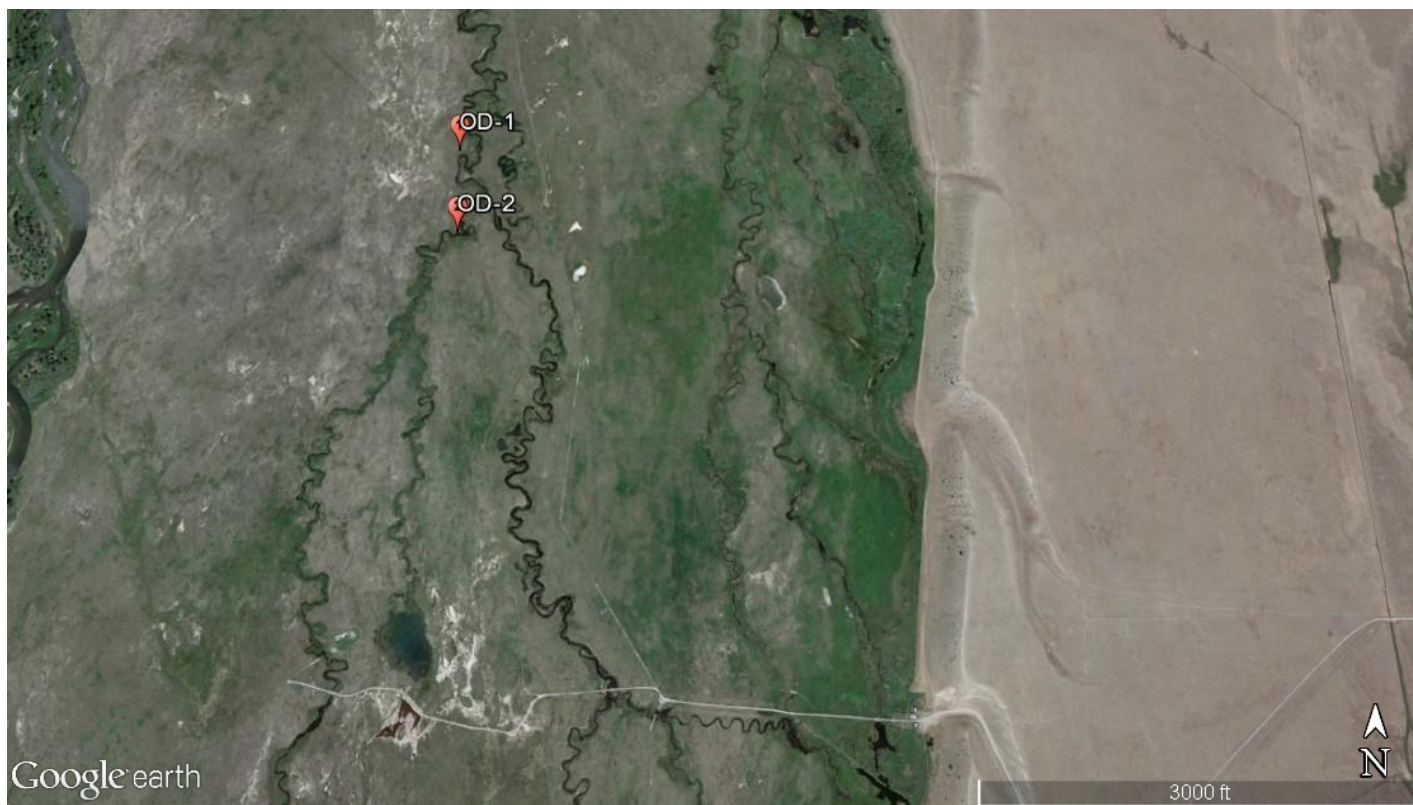


Stand facing the stream with the post directly in front.

O'Dell Creek—Site 1 (OD-1)



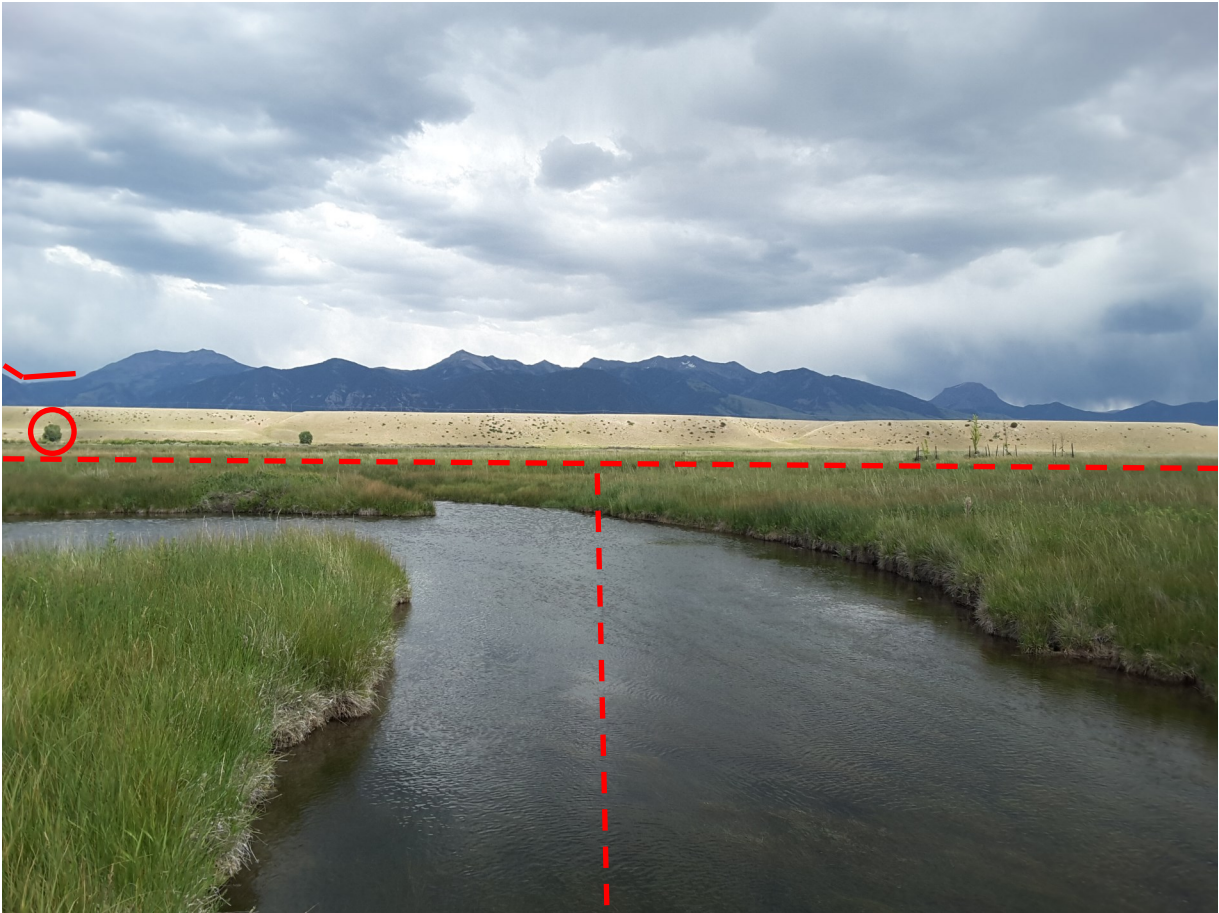
O'Dell Creek—Site 2 (OD-2)



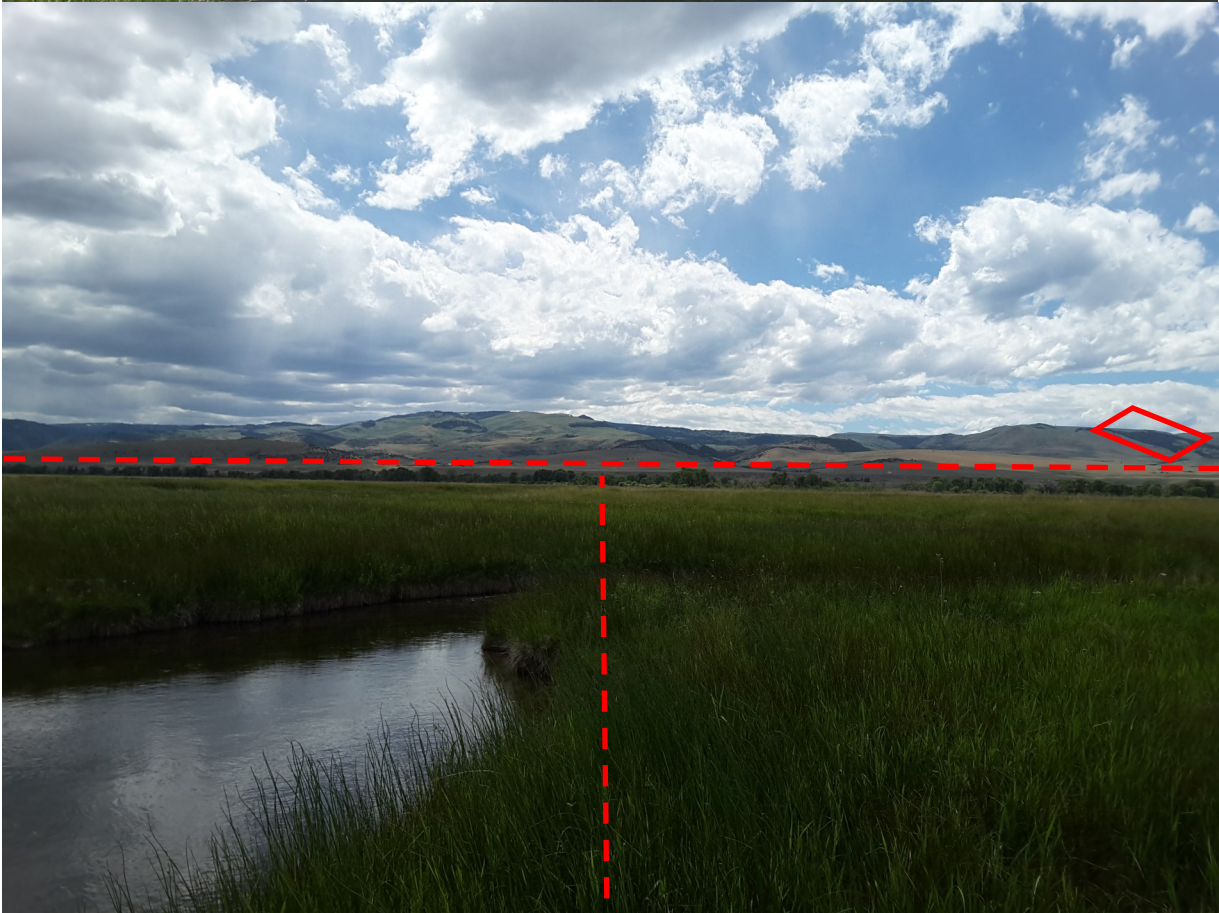
Stand to the east side of the fence post for both upstream, and downstream, photos

O'Dell Creek—Site 2 (OD-2)

DOWNSTREAM



UPSTREAM



O'Dell Creek—Site 3 (OD-3)



Stand facing the stream with the post directly in front.

O'Dell Creek—Site 3 (OD-3)

DOWNSTREAM



UPSTREAM



O'Dell Creek (Side Channel)—Site 4 (OD-4)



Stand near the edge of the stream, and near the fence for both photos.

O'Dell Creek (Side Channel)—Site 4 (OD-4)

DOWNSTREAM



UPSTREAM



O'Dell Creek —Site 5 (OD-5)



Stand near the post (shown in picture).

O'Dell Creek —Site 5 (OD-5)

DOWNSTREAM



UPSTREAM

