

RECLAMATION

Managing Water in the West

TR-2012-11

Site Visit to Huntley Diversion Dam to see the existing Fishway

Dates of Travel: August 29-30, 2012



**U.S. Department of the Interior
Bureau of Reclamation
Technical Service Center
Hydraulic Investigations and Laboratory Services Group
Denver, Colorado**

BUREAU OF RECLAMATION
Technical Service Center
Denver, Colorado

TRAVEL REPORT

Code: 86-68460

Date: September 10, 2012

To: Manager, Hydraulic Investigations and Laboratory Services Group

From: Brent Mefford and Josh Mortensen (86-68460)

Subject: Site visit to Huntley diversion dam to see the existing fishway

1. Travel period: 29 Aug 2012 – 30 Aug 2012
2. Places or offices visited: Huntley Diversion Dam near Billings, MT
3. Purpose of trip: The main purpose of this trip was to make a site visit to the existing fishway at Huntley diversion dam to help confirm the preliminary design of a new fishway.
4. Synopsis of trip:

Josh and Brent arrived at the airport in Billings at approximately 12:30 p.m. where they were picked up by Jeff Baumberger of Reclamation's MT Area office. Soon after, they met with representatives from the Yellowstone Conservation District, Arcadis Consulting, and the Huntley Irrigation District at the dam site. The group discussed current plans for the new fishway design, probable methods of construction, sections of the existing fishway and materials that could be reused, as well as boating safety features that may be included as part of the new construction (such as a walk-way around the dam near the fishway with easy river access).

After about 45 minutes of discussion the group dispersed and Brent, Josh, and Jeff remained at the site to check GPS coordinates of the new fishway with the existing site and to photograph existing features. Location coordinates of the new alignment (Figure 1) seemed to fit well with the existing topography and features of the dam. Additional GPS coordinates were taken of the existing fishway to help show the as-built alignment compared to the new fishway on construction drawings.

Some features of particular interest for this trip included the rock wall on the right side of the fishway near the fish exit and the south side of the island where a large re-circulating eddy is present (Figure 1). Potential changes to the new design may include raising the wall to divert more flow through the fishway as well as to fill in the pool south of the island to reduce flow re-circulation and enhance fish attraction to the entrance. After leaving the site Jeff took Brent and Josh to their hotel for the night and they returned to Denver on an early flight Thursday morning.



Figure 1. Google Earth image of existing Huntley fishway. Red dots show approximate locations of center line alignment of the new fishway design.

5. Conclusions:

Updates to preliminary drawings of the new fishway will be sent to Jeff Baumberger who will then distribute them to Yellowstone Conservation District and Arcadis as needed.

6. Action correspondence initiated or required: None

7. Client feedback received: N/A

cc: Jeff Baumberger (MT-200)
Rudy Campbell (86-68460)

SIGNATURES AND SURNAMES FOR:

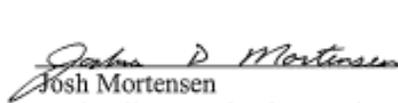
Travel to: Huntley Diversion Dam, Billings, MT

Dates of Travel: Aug 29 – 30, 2012

Names and Codes of Travelers: Brent Mefford and Josh Mortensen, 86-68460

Travelers:


Brent Mefford 8/31/12
Hydraulic Investigations and Laboratory Services Group Date


Josh Mortensen 8/30/12
Hydraulic Investigations and Laboratory Services Group Date

Noted and Dated by:


Robert F. Einhellig, Manager 9/4/12
Hydraulic Investigations and Laboratory Services Group Date