September 4th and 5th Fish Passage Barrier Field Tour Itinerary and Objectives

Anticipated Participants

Aaron Beavers, NOAA
Johnna Sandow, NOAA
Ally Turner, USFWS
Clayton Nalder, USFS
Mike Edmondson, OSC
Mark Miller, Bio-Analysts
Rob Richardson, Rio ASE
Dan Kline, Midas Gold

Wed Sep 4th

10:30 -11:00am (0.5 hrs)

- Meet tour group at site for check in

11:00am – 1:00pm (2 hrs)

- Hike to and examine barriers on EFSFSR above Meadow Creek

1:00pm – 1:30pm (0.5 hrs)

- Lunch at office

1:30pm – 4:30pm (3 hrs)

- Hike EFSFSR enhancement areas above Tunnel
    - 1.5 miles along river hiking on old haul road running adjacent to river

4:30pm – 5:00pm (0.5 hrs)

- Visit and discuss Box Culvert barrier

5:00pm

- Leave site for the day

Objective 1: Show/examine potential passage barriers on the EFSFSR and discuss with the group the potential passage of Chinook salmon, steelhead, and bull trout under current conditions.

a. Discuss current passage conditions
b. Do these passage conditions limit adult salmon and bull trout?
c. Did past disturbances influence stream and passage conditions in the EFSFSR? Provide material to group attending field trip and discuss at the next IC ESA meeting.
d. Discuss other potential fish passage barriers (i.e., box culvert, YPP barrier, etc.) so that any questions related to the Fish Passage TM can be resolved.

Objective 2: Discuss enhancement opportunities in the EFSFSR upstream from tunnel.

a. Discuss biological objectives for stream reach(es)
b. Discuss different habitat enhancement opportunities to address biological objectives with group (LWD and boulder placement). Does the group see other opportunities?
c. Discuss instream work window and fish salvage operations expected with stream enhancement.
d. Time allowing-discuss fish salvage and relocation associated with YPP. Visit potential downstream locations for fish placement strategy by species and life stage.

Objective 3: Discuss SFA scoring and ESA consultation (impacts vs benefits quantification)

a. Should benefits be attributed to improving passage on the EFSFSR above Meadow Creek?
b. Should LWD recruitment potential conditions be re-evaluated given the relatively small size of trees in the area (most less than 12-inch DBH)

Thu Sep 5th

9:00am – 9:30am (0.5 hrs)

- Meet tour group at site for check in

9:30am – 2:00pm (4.5 hrs)

- Hike Meadow Creek upstream of SODA to sample location MWH-034
  - 1.2 miles along river hiking existing access road and diverting to river as needed along the way; pack lunch and eat on the way

2:00pm – 4:00pm (2hrs)

- Stop at Meadow Ck where Hanger Flats Pit will divert the creek.
  - Hike around area as needed

4:00 pm

- Leave site for the day.

Objective 1: Visit Meadow Creek where the TSF will be located and discuss stream habitat upstream and downstream of TSF to Hangar Flats.

a. Discuss instream work windows, fish salvage strategy, and biological objectives for Meadow Creek. Discuss relevance of using BPA's HIP III conservation measures as a guide for water management and fish salvage.
b. Fish disposition and relocation
c. Discuss how split flows should be evaluated in the SFA Ledger: off-channel habitat (no length), separate reach (adds length), or additional length associated with the main channel?

Objective 2: Stop at Hangar Flats Pit site and discuss diversion from Meadow Creek to Hangar Flats.

a. Discuss diversion location and potential diversion types that may be appropriate.