

**Fish Facility Design Review Work Group**  
**6 February 2014**

B2 FGE/Orifice Study (Medina/Lee/ Rerecich)

- Installation of 'flow control' device prototype and field velocity measurement study is being scheduled
- Study plan is ready for review and approval
- CFD model is being updated
- Orifice study is under agency technical review

JDA Configuration TSW Permanence (Medina/Hanson/Askelson/ Rerecich)

- TSW's are in place and operational; second set of gates have been fabricated and available for use; modifications to the deck have been made for storing gates; emergency replacement stoplogs have been fabricated and available on-site; modifications to lower deck adjacent to the flow deflector have been made to address overspray flooding in the galleries, and; avian line replacement is being planned. Waiting for as-built drawings. Project is in closeout.

B2 Corner Collector Channel Repair (Medina/Hace/ Rerecich)

- The project was not funded this FY, however, the channel has been instrumented to monitor and measure movement. Data will be assessed next FY or when funding is made available to determine corrective action.

Turbine Survival Program (Medina/Amman/Rerecich)

- BIT document is completed and comprises:
- B1 report & B2 model investigation will be completed by the end of calendar year

John Day Lamprey Trap - Count Station (Medina/Welton/ Tackley)

- Trap was operated this past season
- Installation of jib/hoist has been installed
- Waiting for as-builts to start project closeout

The Dalles North and East Adult Fish Ladder Study - (Medina/Lee/Tackley)

- 90% DDR complete, agency technical review pending
- P&S package will start in April 2014
- Projected schedule
  - o Contract award for design of cofferdam: June 2015
  - o Cofferdam construction and install start: Dec 2015
  - o Monolith penetration start: Jan 2016
  - o Pipe placement: March 2016
  - o Cofferdam removal: Jul 2016

Test Plan A					
Test Number	Configuration	Data Collection	Unit 13	Unit 14	Unit 15
1	Existing Conditions	14A	High	High	No Preference
2	Existing Conditions	14A	Low	Low	No Preference
3	Existing Conditions	14C	No Preference	High	High
4	Modified VBS	14A	High	High	No Preference
5	Modified VBS	14A	Low	Low	No Preference
6	Flow Control Plate (15A)	15A	No Preference	High	High
7	Flow Control Plate (15A)	15A	No Preference	Low	Low
8	Flow Control Plate (15A)	15A	No Preference	Med	Med

Test Plan B					
Test Number	Configuration	Data Collection	Unit 13	Unit 14	Unit 15
1	Existing Conditions	14A	Med/High	High	No Preference
2	Existing Conditions	14A	Low	Low	No Preference
3	Existing Conditions	14A	Med	Med	No Preference
4	Modified VBS	14A	Med	Med/High	No Preference
5	Modified VBS	14A	Low	Low	No Preference
6	Flow Control Plate (15A)	15A	No Preference	Med/High	High
7	Flow Control Plate (15A)	15A	No Preference	Low	Low
8	Flow Control Plate (15A)	15A	No Preference	Med	Med

In going from Test Plan A to Test Plan B - will assume only slots A and B will need flow control device. Slot C is okay at high flow. Slot A and Slot B will have the same flow control device.

Without test 1 and 6 as shown in Test Plan B will not have sufficient information to design flow control device.

If juvenile passage is not high during tests 1 and 6 would like adjacent units to be high.

If juvenile passage is not high during test 4 would like unit 14 at high.