

5 August 2010 FT BIRWLG

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Please Return to Tammy

## **Fish Facility Design Review Work Group 5 August 2010**

### B2 FGE (Medina/Lee/Schwartz)

- More detailed hydraulic evaluations underway
- Scheduling for more comprehensive briefing for the region is pending
- Light attraction study complete, biological report in late fall, preliminary data suggests attraction for some species, PDT is recommending a second year of testing

### B2 BGS (Medina/Schwartz/Ament/Ebner)

- The PDT has determined that O&M, repair and design costs for another year of testing far outweigh the marginal gains evident from two years of study data
- P&S development for BGS removal before the start of the next fish passage season are underway

### B2 Corner Collector Gate Hoist

- P&S at 90% are complete. Final report/BCOE will be completed by mid-October
- Acquisition process for fabrication will start as soon as funds are available
- Installation is planned for the winter of 2011

### Turbine Survival Program (Medina/Ahmann//Langeslay)

- Preliminary BIT Data Mining Study suggests tag burden is responsible for high indirect mortality
- Development of external tags is being pursued
- Direct capture P&S at 60%
- Turbine design process for Ice Harbor is underway and going well

### JDA Configuration and Operation Plan (Medina/Hanson/Askelson/Tackley)

- TSW/Flow deflector and array working as designed and anticipated
- Avian array still has line chaffing issues to work out
- Acoustic issues for avian wire array will be evaluated and mitigated
- Flow deflector optimization study has started and is underway
- Revision of COP under way and should be completed by the end of this FY

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

- Task order award for HDR in mid August
- Leaning towards recommendation to rehab units and having spare parts in place

Trial	Total River	Spill	B1	B2CC	B2	Spill Fish	Spill Sur	B2 Fish	B2CC eff	B2CC fish	B2CC Surv	B2 JBS eff	B2 JBS fish	B2 JBS Surv	B2 T Fish	B2 T Surv	Total Surv
Sub 1	170	85	0	5	72	0.52	0.967	0.48	0.4	0.00	0.99	0.28	0.13	0.95	0.34	0.86	0.93
Sub 2	170	85	0	5	72	0.52	0.967	0.48	0.4	0.19	0.99	0.28	0.08	0.95	0.21	0.86	0.95
Sub 3	170	85	0	5	72	0.52	0.967	0.48	0.6	0.29	0.99	0.28	0.05	0.95	0.14	0.86	0.96
Sub 1	123	75	0	5	35	0.65	0.967	0.35	0.4	0.00	0.99	0.28	0.10	0.95	0.25	0.86	0.94
Sub 2	123	75	0	5	35	0.65	0.967	0.35	0.4	0.14	0.99	0.28	0.06	0.95	0.15	0.86	0.95
Sub 3	123	75	0	5	35	0.65	0.967	0.35	0.6	0.21	0.99	0.28	0.04	0.95	0.10	0.86	0.96
Sub 1	246	85	0	5	148	0.36	0.967	0.64	0.4	0.00	0.99	0.28	0.18	0.95	0.46	0.86	0.91
Sub 2	246	85	0	5	148	0.36	0.967	0.64	0.4	0.26	0.99	0.28	0.11	0.95	0.28	0.86	0.94
Sub 3	246	85	0	5	148	0.36	0.967	0.64	0.6	0.39	0.99	0.28	0.07	0.95	0.19	0.86	0.95
CH1	275	120	0	5	142	0.45	0.97	0.55	0.4	0.00	1	0.28	0.15	0.97	0.40	0.94	0.96
CH2	275	120	0	5	142	0.45	0.97	0.55	0.4	0.22	1	0.28	0.09	0.97	0.24	0.94	0.97
CH3	275	120	0	5	142	0.45	0.97	0.55	0.6	0.33	1	0.28	0.06	0.97	0.16	0.94	0.98
CH1	195	100	0	5	82	0.53	0.97	0.47	0.4	0.00	1	0.28	0.13	0.97	0.33	0.94	0.96
CH2	195	100	0	5	82	0.53	0.97	0.47	0.4	0.19	1	0.28	0.08	0.97	0.20	0.94	0.97
CH3	195	100	0	5	82	0.53	0.97	0.47	0.6	0.28	1	0.28	0.05	0.97	0.13	0.94	0.97
CH1	380	120	107	5	140	0.32	0.97	0.39	0.4	0.00	1	0.28	0.11	0.97	0.28	0.94	0.95
CH2	380	120	107	5	140	0.32	0.97	0.39	0.4	0.16	1	0.28	0.07	0.97	0.17	0.94	0.96
CH3	380	120	107	5	140	0.32	0.97	0.39	0.6	0.23	1	0.28	0.04	0.97	0.11	0.94	0.96



**Update for Natalie Richards- 8/5/2010****Lamprey Program- 118738**

Meet with MOA Treaty Tribes-10-year Lamprey Plan	Sept 28, 2008
Discussed Research needs Lamprey and Salmon	Feb and March 2009
USACE Lamprey team meeting- PMP, 10-year Plan, 2010 estimated funds and FY09	March 19
Starting BONN Washington Shore- Kickoff Entrance Modification work	April 21
Meet with MOA Treaty Tribes- 10 year Plan comments addressed and Prioritization	April 22
1-year Accord Celebration	May 8
Lamprey Passage Efficiency- Cascade Island Ladder	June -July
USACE Lamprey team meeting	Aug 17
USACE meet with CRITFC/ Tribes	Aug 18
USACE Lamprey team meeting- NWW	Oct 28
USACE meet with CRITFC/Tribes- 3 meetings-NWP, NWP, NWW	Oct 1 (COL), Oct 21 (COL), Oct 29 (Team)
NWP Meeting with CRITFC Tribes	2/11/2010 at McNary Dam
NWP Lamprey Ranking Meeting-NWW	3/24/2010
Research Meeting Completed	7/22/2010
Next Bi- Monthly Meeting- NWW	9/1-2/2010
Bi- Monthly Meeting	12/2 @AFEP

**Research 7/22/2010-** Important discussions concerning research fish needs vs expected numbers.

**BONN WA Shores-Issues-**

Started discussion with 8A Konnowac Contractors- Can both Entrances be built in short IWW?

90%/BCOE P&S provided to FFDRWG for comments

MIPR for PIT design work provided to U of I 7/28/2010- Fiberglass enclosure is next IWW extension request for 12/1 back to ~third week of November 2010 to assist in existing LPS removal.

**Adult Salmon and Steelhead Studies-118618**

All MIPR work in progress

**John Day North Fish Ladder – 138171****Issues-**

**Fish Exit-** Fixing Crowder Motor and cleaning window- working with FPOM on dates

**Fish Entrance**

-100% DDR Fish Entrance completed → Transition to Dave Hamernik for P&S

-13.8 KV Power Tap- on going work

-6 Pumps, Power Controls and Housing-

RFQ completed → 2 contractors for complete RFP process

Options-Utilize any surplus ARRA \$ to offset CRFM FY 11 needs.

Evaluation completed → Legal Review requires discussion 8/6 and Ktr resubmit 8/10/2010.

-AWS Intake bulkhead to assist in construction of 2 pumps- awarded this week.