**USACE Portland District (NWP) FFDRWG Update Form**  
**April 6, 2017**

**PROJECT INFORMATION**

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| Project Title | Lamprey Passage Structure (LPS) Development and Improvements |
| SCT Reference Number |  |
| Project Manager (PM) | Mike Turaski (NWP, 503-808-4704) |
| Technical Lead (TL) | James Schroeder (NWP 503-808-4930) |
| Biologist/Coordination | Ricardo Walker (NWP, 503-808-4709) |

**PROJECT DESCRIPTION**

This project consists of the design, construction, and modification of LPSs at BON and JDA.

Specific tasks (pending funding availability and prioritization) include the following:

1. Design, build, and or modify LPSs that address known problem areas:
   1. BON Washington Shore Fish Ladder – Install 2 new ramps in the channel between the UMT junction and count station, as a means of reducing the use of the serpentine weir section. Completed IWW 16/17.
   2. **BON Bradford Island Fish Ladder – Upgrade to LPS exit chute (currently in the 90% design process; construction IWW 17/18)**
   3. **BON Cascades Island Fish Ladder – Only minor modifications to the LPS as outlined under bullet 2.**
   4. JDA North Fish Ladder – Extend entrance LPS to the 2nd 180 degree turning pool (Design late FY17; Construction IWW 18/19).
2. Complete minor modifications to existing LPSs to improve O&M functionality:
   1. Inspect structures and modify as necessary to minimize risk of structural failures.
   2. Modify or replace pumps and pump intakes, as necessary, to meet juvenile salmon fry criteria, accommodate maintenance needs, and provide sufficient water supply for systems.
   3. Improve counting systems for existing LPSs.
   4. Improve electrical and plumbing systems (as needed) for existing LPSs.
   5. Install full duplex systems at the LPS exits.

**PROGRESS AND KEY ISSUES (List)**

**BON WA Shore**

* BON Washington shore fish ladder LFS fixes and LPS install have been completed (16/17 winter maintenance period).
* Maintenance of the existing LPS half duplex PIT infrastructure in 16/17 (at BON WA shore fish ladder) for a follow on evaluation of the new LPS structures in FY 18/19.

**BON Bradford Island and Cascades Island**

* Currently the BCOES package is being developed and will be made available for FFDRWG review mid-April.

**CURRENT SCHEDULE**

* BCOES review to start ~ 10 April 2017.
* Schedule for installation is 17/18 winter maintenance period.

**FFDRWG REVIEW NEEDED AT MEETING? (If YES, list discussion topics below)**

* **No**