**USACE Portland District (NWP) FFDRWG Update Form**  
**June 8, 2016**

**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 and construction of several new LPSs at BON and JDA and miscellaneous improvements to existing LPSs systems.

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

1. Design and build LPSs that address known problem areas and extend existing LPS to forebay where appropriate:
   1. BON Bradford Island Fish Ladder – B-Branch Transition Pool to existing LPS (forebay). Include ramp near A-Branch/B-Branch junction pool to collect A-Branch lamprey.
   2. BON Cascades Island Fish Ladder – Auxiliary Water Supply Channel
   3. BON Cascades Island Fish Ladder – New ramp to existing LPS, to be located along south wall of the fishway entrance area.
   4. BON Washington Shore Fish Ladder – Channel between UMT junction and count station, as a means of reducing the use of the serpentine weir section.
   5. BON Washington Shore Fish Ladder – Extend new lamprey flume system LPS to forebay; including new ramp(s) in transition pool of ladder.
   6. JDA North Fish Ladder – Extend entrance LPS to forebay.
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.

**PROGRESS AND KEY ISSUES (List)**

* BON Washington shore fish ladder LFS fixes and LPS install are scheduled for the 16/17 winter maintenance period.
* U of I (funding dependent) will be maintaining existing half duplex PIT infrastructure in 16/17 for a follow on evaluation of the new LPS structures in FY 18, again funding dependent and after the Bradford Island LPS is installed.

**CURRENT SCHEDULE**

* The PDT for the Bradford Island LPS install has recently began scoping and details will be provided as they become available. Schedule for installation is 17/18 winter maintenance period.

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

No.