**Lower Columbia River Survival – P2: 156117**

1. **PROJECT INFORMATION**

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| **P2 Identifier** | 156117 |
| **Project Manager (PM)** | Brad Eppard (NWP, 503-808-4780) |
| **Technical Lead (TL)** | n/a |
| **Biologist/Coordination** | Ricardo Walker (NWP, 503-808-4709) |

1. **PURPOSE**

The purpose of this project is estimate system wide survival for PIT-tagged juvenile Chinook salmon and steelhead. System survival is defined as Lower Granite Dam to Bonneville Dam.

1. **BACKGROUND**

System survival is a performance metric identified in the 2008-14 NOAA Fisheries Biological Opinions for the Federal Columbia River Power System. Operation of the PIT-trawl is required as the last detection point allowing survival estimation in the Lower Columbia River to Bonneville Dam.

The PIT-trawl is a towed array operated in the Columbia River estuary. Two vessels tow a long net (~800 ft) to guide fish into a fyke net and through a PIT-tag detector at the distal end. A third vessel houses the detector. PIT-tag detections are collected and uploaded to the PIT-tag database operated by the Pacific States Marine Fisheries Commission. The PIT-trawl is operated from April through July.

Funding for this project is shared between the Bonneville Power Administration and the U.S. Army Corps of Engineers. Roles and responsibilities are described in a memorandum of agreement authored and maintained by the Northwestern Division of the USACE

1. **SCOPE**

This project funds the operation (April – July) and pre- and post-season maintenance of vessels, nets, and the PIT-tag equipment.

1. **SCHEDULE & COST**

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| **YEAR** | **COST** | **MAJOR ACTIVITIES** |
| **FY17 Actual Obligation** | 1,534,851 | Operation and maintenance of the NWFSC PIT-Trawl |
| **FY18** | 1,500,000 | Operation and maintenance of the NWFSC PIT-Trawl |