# Fish Passage Plan (FPP) Change Form

**Change Form # & Title**: 22LWG003 – ESBS Schedule

**Date Submitted**: 17-December-2021

**Project**: Lower Granite

**Requester Name, Agency**: Elizabeth Holdren, USACE – Lower Granite

**Final Action: APPROVED 27-January-2022**

**FPP Section**:

LWG 2.3.1.2 – Juvenile Facilities / Winter Maintenance Period / ESBS, Flow Vanes, and VBS.

**Justification for Change**: This Fish Passage Plan (FPP) change is to request ESBS removal to start on the Monday of the third week of December. The current start date for removal of ESBSs of December 16 changes from year to year in an 8-day cycle. Some cycles fall Friday-Sunday which is outside of the normal work week or fall toward the end of the work week resulting in a narrow window to complete ESBS removal. This results in over-time labor costs and negative impacts to work-life balance of personnel.

In 2022, December 16 falls on a Friday which means the mechanical crew would need to work overtime to pull ESBSs without impacting other maintenance that must be completed during the winter outage. The proposed change would allow the crew to start pulling screens Monday December 12-15. The channel will be dewatered once all fish screens are removed. This will reduce cost in the overall Fish labor expenditures due to overtime and support employees that would like to schedule leave to be with family for the holidays.

**Proposed Change**:

**2.3.1.2. ESBS, Flow Vanes, and VBS.**

Remove ESBSs beginning on Monday of the third week of December. Within a week after removing ESBSs for winter maintenance, or as soon as practical, inspect for juvenile salmonid mortalities and all other incidental fish mortalities. Count all mortalities, or otherwise estimate, for each ESBS and report to CENWW-OD-T.

Complete maintenance on all screens.

Inspect ESBSs prior to installation and operate debris cleaner (dogged off on deck) to ensure proper operation. Log results of trial run.

Inspect VBSs with underwater video camera at least once per year; repair as needed.

Inspect flow vanes to make sure they are in good condition and all surfaces smooth. Repair as needed.

Install ESBSs in at least 4 turbine units (all 6 if possible) by March 24. Install remaining ESBSs prior to April 1.

**Comments**:

 1/27/22 FPOM FPP Meeting:

Bettin requested having this added to JDA too. Fielding concurred and will submit a change form.

**RECORD OF FINAL ACTION**: Approved at the FPOM FPP meeting 1/27/22.