

## Fish Passage Plan (FPP) Change Form

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**Change Form # & Title:** 25AppJ001 - LMN Sampling  
**Date Submitted:** 12-NOV-2024  
**Project:** Lower Monumental Lock and Dam  
**Requester Name, Agency:** Denise Griffith, USACE  
**Final Action:**

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**FPP SECTION:** Appendix J “Smolt Facility Operating Protocols”, section 5.1 LMN Sampling and section 5.2 LMN Sampling at Water Temperature > 68.0°F

### JUSTIFICATION FOR CHANGE:

Section 5.1: small changes to wording for clarification, using the terms condition monitoring/sampling.

Section 5.2: small changes to wording for clarification, using the terms condition monitoring/sampling and exact specifics on the tank the temperature is taken from. In addition is the removal of the SMP staff due to reduction of contract.

Section 5.3: added new section 5.3 to address/match the temperature limitation for handling ESA-listed fish in the WDFW scientific collection permit.

**PROPOSED CHANGE:** *Edits to existing FPP text in “track changes”.*

### **5.1. LMN Sampling.**

- a) Condition samples will be taken if fish are being sampled for barge transport loading purposes (see **Appendix B**); the following criteria will apply when barge transport samples are not taken for any reason.
- b) Condition sampling will begin March 25 with sampling occurring at least twice per week through April 14, with no more than three days between samples, to monitor descaling and other fish condition parameters and to ensure sampling systems are operating correctly prior to transport.~~to monitor descaling and other fish condition parameters and to ensure sampling systems are operating correctly prior to transport. Condition sampling will occur at least twice per week through April 14, with no more than three days between samples.~~
- c) From April 15 through July 31, condition sampling will occur every other day.
- d) From August 1 through September 30, condition sampling will occur at least twice per week with no more than three days between samples.
- e) The sample goal should be 100 fish of the predominant salmonid species.
- f) Sampling frequency may be increased if injuries are observed or suspected by the project biologist (e.g., during high debris conditions).
- g) Full 24-hour samples may be taken to determine species composition to inform a decision on starting transport at this project.

h) Fish condition reporting will follow the standardized SMP protocol and sent to FPC within 12 hours of sampling.

i) When not condition sampling, the JFF will return to primary (full-flow) bypass and juvenile fish will be routed to the primary outfall and full-flow PIT-tag detection system.

## 5.2. LMN Sampling at Water Temperature > 68.0°F

a) An instantaneous sample/holding tank temperature of 68.0°F or greater taken from the “B” side holding tank within the JFF between 0630 and 0700 hours will trigger the following changes in condition monitoring~~sampling after a project biologist notifies SMP biologists~~:

i) If transportation is not occurring, daily condition monitoring index sampling will be reduced to every-other-day ~~index~~/condition monitoring. Daily condition monitoring~~sampling~~ may resume up to 3 days prior to beginning fish transport to estimate loading densities.

ii) If transportation is occurring, daily condition monitoring index sampling will continue but sample rates will be reduced to target approximately 100 fish per day.

iii) Monitoring for gas bubble trauma (GBT) will continue (where/when applicable).

b) Normal condition monitoring index sampling may resume when the instantaneous sample/holding tank temperature taken from the “B” side holding tank within the JFF between 0630 and 0700 is  $\leq 67.95^\circ\text{F}$ .

c) If there is a research need to sample at temperatures > 68.0°F, the Corps District POC will initiate coordination with FPOM.

d) If the ~~SMP or~~ project biologists suspect a bypass system problem during a high temperature sampling period, additional sample collection may occur. Project or District biologists will notify FPOM as soon as possible and provide updates as they attempt to resolve the problem.

## 5.3. LMN JFF Sampling at Water Temperature > 21°C (69.8°F).

a) An instantaneous sample/holding tank temperature greater than 21°C (69.8°F) taken from the “B” side holding tank between 0630 and 0700 hours will trigger the suspension of condition sampling at LMN. The Project biologist will notify condition monitoring personnel when this has occurred.

b) Condition sampling at LMN may resume if/when the instantaneous sample/holding tank temperature taken from the “B” side holding tank between 0630 and 0700 is  $\leq 21^\circ\text{C}$ .

c) If there is a research need to sample at temperatures > 21°C, the Corps District POC will initiate coordination with FPOM.

d) If the condition monitoring or project biologists suspect a bypass system problem during a high temperature sampling period, additional sample collection may occur.

## COMMENTS:

## RECORD OF FINAL ACTION: