

Fish Passage Plan (FPP) Change Form

Change Form # & Title: 25LMN003 – Channel Velocity
Date Submitted: 12-NOV-2024
Project: Lower Monumental Lock and Dam
Requester Name, Agency: Denise Griffith, USACE
Final Action:

FPP SECTION: Chapter 7 (LMN), section 2.4.2.7. Adult Facilities / Fish Passage Season / Channel Velocity

JUSTIFICATION FOR CHANGE: There is not a state biologists’ daily inspection for on project. This is older language. This information is still recorder with the ladder inspections which occur at least three times a week.

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

2.4.2.7. Channel Velocity. Maintain water velocities in the range of 1.5–4.0 feet per second (fps). At Lower Monumental, a “RED LION PLC with DETEC sensor” type 3020-1002, 4-20 milliamp unit was installed (by Leopold Stevens Inc., Gresham, OR) in the collection channel at the Unit 1/Unit 2 transition. The unit is located in the channel’s length and width to avoid the non-characteristic high readings that would occur on the slope near an entrance or the non-characteristic low reading that would occur in the turbulent zone on the curve from the pump discharge supply conduit. The location of the sending unit typifies the velocity conditions throughout the length of the channel. To read the meter, the toggle switch is positioned in the “ON” position. As the unit warms up, the velocity reading output shows the numerical readout increasing. When it stabilizes and repeats a number, the reading is recorded. The velocity reading is a part of the ladder inspections that are completed a minimum of three times per week at Lower Monumental Lock and Dam from March 1 to December 31. ~~The velocity reading is a part of the ladder inspections that are done three times per week at Lower Monumental; additionally, the reading will be added to the state biologists’ daily inspection form so that daily readings are documented.~~

COMMENTS:

RECORD OF FINAL ACTION: