

MEMORANDUM FOR THE RECORD: 20 LWG 04

SUBJECT: Juvenile lamprey mortality on direct load line dewatering screen.

During the May 11 morning facility inspection Lower Granite biological technician observed direct barge loading dewatering screen slide gate was in the full open position. An estimated 100 juvenile lamprey mortalities were believed to be on the direct barge loading line and dewatering screen. The position of this dewatering gate is only changed during direct loading to control the volume of water going into the barge hold and is otherwise left in the closed position. When not in direct loading operation the gate is set closed to provide enough flow for fish that get past the two switchgates to return to the river. Flush water to the direct load system, the direct load dewatering slide gate position, and the direct load line switch gate position were verified during facility water up procedures. It is unknown when or why the unauthorized changes to the direct load system were made. The system was immediately returned to the correct operating positions when the issue was identified. Based on the SMP sample an estimated 27,750 juvenile lamprey were collected over the previous week and a total of 35,180 have been collected for the year as of May 10. No juvenile salmonids were in the flume, pipe, or on the screen. Corrective measures included clearly labeling “keep closed” on the flume (see photo), verbal and email communication to staff of future expectations, and adding the direct load line system as a separate inspection point on the bio tech activity log and biologist/lead tech inspection sheet.

- A. Species – Juvenile lamprey
- B. Origin – N/A
- C. Length – N/A
- D. Marks and tags – N/A
- E. Marks and Injuries found on carcass – N/A
- F. Cause and Time of Death – N/A
- G. Future and Preventative Measures – N/A

Sincerely,
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Dewatering
screen inspection
hatch

Dewatering screen
slide gate pull chain

DIRECT LOAD LINE DEWATER

→ **KEEP CLOSED** →