

MEMORANDUM FOR THE RECORD – 20 LGS 09 Transport Fish Released to River

SUBJECT: Every other day barge transportation began on May 20. Due to concerns with Total Dissolved Gas (TDG) in the raceways at Little Goose, an empty 4000 series barge arrives on non-transport days for direct loading purposes.

On June 18, the empty barge arrived at 08:00. Fish that were held in raceways beginning at 11:00 on June 17, were loaded into the barge at 09:00. Fish from the B-side were held in raceway 5 and were supposed to be loaded into the barge, but were accidentally released to the river. Preventative maintenance was conducted on the B-side selection gate at the barge dock on June 17. The gate was not returned to the appropriate position at the beginning of the loading operation. The gate position was noticed prior to loading the A-side fish.

An estimated 569 juvenile salmon and steelhead were routed back to the river. The number of fish routed to the river was estimated by Smolt Monitoring Personnel (SMP). The electronic sample count is expanded by sample rate and correction factor to estimate total fish collected. The total number of fish by species and the origin that were routed back to the river rather than transported are listed in Table 1. Of the 569 fish routed to the river, 3 fish were PIT tagged (Ptagis). PIT tags detected on the B-side raceway/river exit from 11:00 on June 17 through 08:00 on June 18 are listed in Table 2.

Table 1: Estimated number of juvenile salmon released to the river.

Clipped Yearling Chinook	Unclipped Yearling Chinook	Clipped Steelhead	Coho	Total
202	331	18	18	569

Table 2: PIT tagged fish routed through B-raceway/river exit antennae group.

Species	PIT Tag
Chinook	3DD.003D49FE6A
Chinook	3DD.003D4A42AD
Steelhead	3DD.0077E50773

- A. Species – Chinook salmon *Oncorhynchus tshawytscha*, Steelhead *Oncorhynchus mykiss* and Coho salmon *Oncorhynchus kisutch*
- B. Origin – Hatchery and Wild
- 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

