

MEMORANDUM FOR THE RECORD – 20 LGS 11 Additional Fish Transported

SUBJECT: Spring transport of juvenile salmon and steelhead was scheduled to end June 20th (Fish Passage Plan, App E, 5.1.) with the last every other day barge departing June 21st. At Little Goose collection of fish for transport would have been through 07:00 on June 21 and then switched to secondary bypass. However, Little Goose continued to direct load fish into the barge until 11:00. Additionally, from 11:00 to 12:00, fish were routed to raceways. At approximately 12:00, Little Goose switched to secondary bypass and released additional fish that were collected.

An estimated 199 juvenile salmon and steelhead were transported via barge instead of released to the river via secondary bypass. The number of additional fish transported 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 transported rather than released to the river are listed in Table 1. Of the 199 fish transported, only 1 fish that was detected from 07:00 through 11:00 was PIT tagged (Table 2).

An estimated 43 juvenile salmon and steelhead were collected between 11:00 and 12:00 and then released to the river. The total number of fish by species and the origin that were collected into the raceway and subsequently released to the river are listed in Table 3. No PIT tagged fish were detected on the raceway/river exit antennae during that time.

Table 1: Estimated number of juvenile salmon and steelhead transported.

| Species | Number |
|-------------------------------|--------|
| Unclipped Yearling Chinook | 1 |
| Clipped Subyearling Chinook | 94 |
| Unclipped Subyearling Chinook | 82 |
| Clipped Steelhead | 13 |
| Unclipped Steelhead | 4 |
| Coho | 5 |
| Total | 199 |

Table 2: PIT tagged fish routed through raceway/river exit antennae group for transport.

| Species | PIT Tag | Observation Date/Time |
|---------|----------------|-----------------------|
| Chinook | 3DD.0077BA4DF2 | 06/21/2020 08:57 |

Table 3: Estimated number of juvenile salmon and steelhead collected for transport and then released to the river.

| Species | Number |
|-------------------------------|--------|
| Clipped Subyearling Chinook | 21 |
| Unclipped Subyearling Chinook | 18 |
| Clipped Steelhead | 2 |
| Unclipped Steelhead | 1 |
| Coho | 1 |
| Total | 43 |

- 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
- G. Future and Preventative Measures – All Juvenile Fish Facility individual will be informed of the issue.
- H. Pictures – N/A

Sincerely,
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