

MEMORANDUM FOR THE RECORD: 24 LGS 05: Transport Fish Released to River

SUBJECT: Accidental bypass of majority of transport fish for collection cycles May 10, 2024 through May 11, 2024.

Background

A tear large enough for sub yearling fish escapement manifested in the barge loading boom structure during the final direct loading hours of the outgoing barge of May 9. The incoming barge regularly scheduled to dock on May 9 by 1400 hours didn't arrive until 0100 hour on May 10, which created a maintenance window during the afternoon of May 9 to complete repairs. During the repair period, fish normally being direct loaded to the barge were temporarily loaded into raceways, and the loading boom seepage water was routed to river (bypass) to assist in the repair process. Upon completion of the repairs and resuming normal barge loading activities through May 11, personnel missed switching the water and fish pathway swing gate back from bypass to barge dock loading position.

This resulted in all fish being inadvertently bypassed from 1100 hour on May 9 through 1100 hour on May 10. The large side (B-side) fish set to direct load onto the barge were also bypassed to the river from 1200 to 2100 hour on May 10 when the night BioTech discovered the gate position error.

- 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 – Reference Table 1 and Table 2

Table 1: Number of juvenile salmon released to the river

Date	Clipped Chinook Yearling	Unclipped Chinook Yearling	Clipped Steelhead	Unclipped Steelhead	Coho	Total
10 May	5906	969	2231	658	219	9983
11 May	3859	393	1191	223	127	5793
Totals	9765	1362	3422	881	346	15776

Table 2: PIT tagged fish routed through raceway/river exit antennae group
LGS JFF A Side RW-River

Report Filter:

(Site = GOJ - Little Goose Dam Juvenile) And ({Obs Time} (Value) Between 5/9/2024 11:00:00 AM and 5/10/2024 11:00:00 AM) And (Antenna (ID) = "11", "12" or "13")

Tag Code	Species Code	Species Name	Obs Time Max	Obs Time Min
3DD.003DA6DC50	1	Chinook	05/10/2024 01:02:24	05/10/2024 01:02:24
3DD.003DA6DE1D	1	Chinook	05/09/2024 18:14:47	05/09/2024 18:14:47
3DD.003DA6E2F2	1	Chinook	05/09/2024 14:58:39	05/09/2024 14:58:39
3DD.003DA6EA2A	1	Chinook	05/09/2024 14:55:33	05/09/2024 14:55:33
3DD.003DF07CF7	3	Steelhead	05/10/2024 05:19:42	05/10/2024 05:19:42
3DD.003DF111A3	3	Steelhead	05/09/2024 19:56:12	05/09/2024 19:56:12
3DD.003DF125D2	3	Steelhead	05/09/2024 22:45:17	05/09/2024 22:45:17
3DD.003DF26B2C	1	Chinook	05/09/2024 14:38:16	05/09/2024 14:38:16
3DD.003DF26D9A	1	Chinook	05/09/2024 19:15:18	05/09/2024 19:15:18
3DD.003DF281C4	3	Steelhead	05/10/2024 00:28:37	05/10/2024 00:28:37
3DD.003DF281D8	3	Steelhead	05/09/2024 11:32:02	05/09/2024 11:32:02
3DD.003DF30444	3	Steelhead	05/10/2024 10:08:59	05/10/2024 10:08:59
3DD.003DF30C69	3	Steelhead	05/09/2024 12:12:42	05/09/2024 12:12:42
3DD.003DF8A053	3	Steelhead	05/10/2024 05:13:54	05/10/2024 05:13:54
3DD.003DF9C859	1	Chinook	05/10/2024 07:39:39	05/10/2024 07:39:39
3DD.003DFA17A5	1	Chinook	05/09/2024 17:43:50	05/09/2024 17:43:50
3DD.003E01D7CB	1	Chinook	05/09/2024 14:39:02	05/09/2024 14:39:02
3DD.003E01DA5B	1	Chinook	05/09/2024 12:09:53	05/09/2024 12:09:53
3DD.003E026C46	1	Chinook	05/09/2024 21:34:11	05/09/2024 21:34:11
3DD.003E028658	1	Chinook	05/09/2024 14:46:51	05/09/2024 14:46:51
3DD.003E02CB37	1	Chinook	05/10/2024 07:55:12	05/10/2024 07:55:12
3DD.003E02CCA2	1	Chinook	05/10/2024 05:14:16	05/10/2024 05:14:16
3DD.003E02D277	1	Chinook	05/10/2024 10:02:41	05/10/2024 10:02:41
3DD.003E02D462	1	Chinook	05/09/2024 15:09:17	05/09/2024 15:09:17
3DD.003E02F0B4	1	Chinook	05/09/2024 19:09:05	05/09/2024 19:09:05
3DD.003E0311F3	1	Chinook	05/10/2024 04:46:27	05/10/2024 04:46:27
3DD.003E0327AF	1	Chinook	05/09/2024 20:35:30	05/09/2024 20:35:30
3DD.003E075BE4	1	Chinook	05/09/2024 15:09:27	05/09/2024 15:09:27
3DD.003E075C23	1	Chinook	05/09/2024 15:07:09	05/09/2024 15:07:09
3DD.003E076B4E	1	Chinook	05/09/2024 15:00:28	05/09/2024 15:00:28
3DD.003E0788F7	1	Chinook	05/10/2024 09:50:21	05/10/2024 09:50:21
3DD.003E07B738	1	Chinook	05/09/2024 22:58:46	05/09/2024 22:58:46
3DD.003E07CA5C	1	Chinook	05/09/2024 16:08:40	05/09/2024 16:08:40
3DD.003E07D363	1	Chinook	05/10/2024 08:15:57	05/10/2024 08:15:57
3DD.003E07DC16	1	Chinook	05/09/2024 12:17:23	05/09/2024 12:17:23
3DD.003E096BA1	1	Chinook	05/09/2024 19:32:47	05/09/2024 19:32:47
3DD.003E0970E9	1	Chinook	05/09/2024 11:47:49	05/09/2024 11:47:49
3DD.003E097320	1	Chinook	05/09/2024 17:11:06	05/09/2024 17:11:06
3DD.003E0974D6	1	Chinook	05/09/2024 16:17:42	05/09/2024 16:17:42
3DD.003E097745	1	Chinook	05/09/2024 18:43:12	05/09/2024 18:43:12

3DD.003E097794	1	Chinook	05/09/2024 11:53:21	05/09/2024 11:53:21
3DD.003E097892	1	Chinook	05/10/2024 07:27:38	05/10/2024 07:27:38
3DD.003E097C98	1	Chinook	05/10/2024 10:24:48	05/10/2024 10:24:48
3DD.003E1E677C	1	Chinook	05/09/2024 14:32:51	05/09/2024 14:32:51
3DD.003E2C3403	3	Steelhead	05/10/2024 10:51:04	05/10/2024 10:51:04
3DD.003E2C88BF	1	Chinook	05/10/2024 10:02:44	05/10/2024 10:02:44
3DD.003E2CAD1F	1	Chinook	05/09/2024 22:46:21	05/09/2024 22:46:21
3DD.003E2CCB63	1	Chinook	05/09/2024 17:33:23	05/09/2024 17:33:23
3DD.003E2CD009	1	Chinook	05/09/2024 16:09:14	05/09/2024 16:09:14
3DD.003E2CD16F	1	Chinook	05/09/2024 20:27:35	05/09/2024 20:27:35
3DD.003E2CECD8	1	Chinook	05/10/2024 01:41:15	05/10/2024 01:41:15
3DD.003E2CFAC0	1	Chinook	05/10/2024 08:07:25	05/10/2024 08:07:25
3DD.003E2D061B	1	Chinook	05/10/2024 10:05:54	05/10/2024 10:05:54
3DD.003E2D0A89	1	Chinook	05/09/2024 14:26:07	05/09/2024 14:26:07
3DD.003E2EC247	1	Chinook	05/09/2024 14:47:26	05/09/2024 14:47:26
3DD.003E31AD47	1	Chinook	05/10/2024 10:33:57	05/10/2024 10:33:57
3DD.003E351D87	1	Chinook	05/09/2024 12:25:03	05/09/2024 12:25:03
3DD.003E354887	1	Chinook	05/09/2024 16:50:49	05/09/2024 16:50:49
3DD.003E580627	1	Chinook	05/09/2024 16:07:24	05/09/2024 16:07:24
3DD.003E580F20	1	Chinook	05/09/2024 16:37:47	05/09/2024 16:37:47
3DD.003E58179D	1	Chinook	05/10/2024 10:48:17	05/10/2024 10:48:17
3DD.003E58286A	1	Chinook	05/09/2024 15:06:32	05/09/2024 15:06:32
3DD.003E5882B7	1	Chinook	05/09/2024 22:16:48	05/09/2024 22:16:48
3DD.0078C26127	3	Steelhead	05/09/2024 22:33:15	05/09/2024 22:33:15
3DD.0078D45655	3	Steelhead	05/09/2024 14:52:10	05/09/2024 14:52:10

LGS JFF B Side RW-River

Report Filter:

(Site = GOJ - Little Goose Dam Juvenile) And ({Obs Time} (Value) Between 5/9/2024 11:00:00 AM and 5/10/2024 9:00:00 PM) and (Antenna (ID) = "21", "22" or "23")

Tag Code	Species Code	Species Name	Obs Time Max	Obs Time Min
3DD.003BE9B12D	3	Steelhead	05/10/2024 03:35:16	05/10/2024 03:35:15
3DD.003DA6D8E8	1	Chinook	05/09/2024 16:21:23	05/09/2024 16:21:22
3DD.003DA6DABC	1	Chinook	05/09/2024 13:52:46	05/09/2024 13:52:45
3DD.003DA6EB6F	1	Chinook	05/09/2024 15:06:00	05/09/2024 15:05:59
3DD.003DE7703D	1	Chinook	05/09/2024 22:44:35	05/09/2024 22:44:34
3DD.003DE771A3	1	Chinook	05/09/2024 14:00:43	05/09/2024 14:00:43
3DD.003DF099DA	3	Steelhead	05/10/2024 07:25:32	05/10/2024 07:25:32
3DD.003DF0A568	3	Steelhead	05/10/2024 01:54:06	05/10/2024 01:54:05
3DD.003DF0B88E	3	Steelhead	05/10/2024 12:52:34	05/10/2024 12:52:34
3DD.003DF13016	3	Steelhead	05/10/2024 14:02:09	05/10/2024 14:02:09
3DD.003DF136DF	3	Steelhead	05/10/2024 03:24:46	05/10/2024 03:24:46
3DD.003DF14678	3	Steelhead	05/09/2024 12:45:07	05/09/2024 12:45:07
3DD.003DF25A1F	1	Chinook	05/10/2024 13:57:23	05/10/2024 13:57:23
3DD.003DF2E934	3	Steelhead	05/10/2024 10:50:24	05/10/2024 10:50:24
3DD.003DF2F1EF	3	Steelhead	05/10/2024 02:11:45	05/10/2024 02:11:45

3DD.003DF2FBA1	3	Steelhead	05/10/2024 05:49:11	05/10/2024 05:49:11
3DD.003DF3090E	3	Steelhead	05/10/2024 09:41:55	05/10/2024 09:41:55
3DD.003DF54BFC	3	Steelhead	05/10/2024 12:48:03	05/10/2024 12:48:03
3DD.003DF54EBE	3	Steelhead	05/10/2024 12:26:19	05/10/2024 12:26:19
3DD.003DF55272	3	Steelhead	05/10/2024 03:14:40	05/10/2024 03:14:39
3DD.003DF55825	3	Steelhead	05/10/2024 08:35:08	05/10/2024 08:35:07
3DD.003DF55883	3	Steelhead	05/10/2024 04:44:45	05/10/2024 04:44:45
3DD.003DF86CA1	3	Steelhead	05/10/2024 14:56:51	05/10/2024 14:56:51
3DD.003DF88F9B	3	Steelhead	05/10/2024 09:06:36	05/10/2024 09:06:36
3DD.003DF9C6CD	1	Chinook	05/10/2024 17:28:58	05/10/2024 17:28:58
3DD.003DFA726E	1	Chinook	05/09/2024 17:34:04	05/09/2024 17:34:03
3DD.003E01D281	1	Chinook	05/10/2024 16:37:59	05/10/2024 16:37:59
3DD.003E01D555	1	Chinook	05/10/2024 15:27:26	05/10/2024 15:27:25
3DD.003E01D7C6	1	Chinook	05/10/2024 09:53:43	05/10/2024 09:53:43
3DD.003E01E089	1	Chinook	05/09/2024 14:40:23	05/09/2024 14:40:23
3DD.003E01E3CD	1	Chinook	05/09/2024 12:46:15	05/09/2024 12:46:15
3DD.003E01E45B	1	Chinook	05/10/2024 00:37:52	05/10/2024 00:37:51
3DD.003E026E87	1	Chinook	05/10/2024 15:38:47	05/10/2024 15:38:47
3DD.003E02781B	1	Chinook	05/09/2024 14:44:01	05/09/2024 14:44:01
3DD.003E027EEF	1	Chinook	05/10/2024 10:32:48	05/10/2024 10:32:48
3DD.003E028A93	1	Chinook	05/10/2024 18:28:48	05/10/2024 18:28:48
3DD.003E029A53	1	Chinook	05/09/2024 14:16:58	05/09/2024 14:16:57
3DD.003E029C7C	1	Chinook	05/09/2024 18:12:16	05/09/2024 18:12:16
3DD.003E02C774	1	Chinook	05/10/2024 08:30:45	05/10/2024 08:30:44
3DD.003E02D716	1	Chinook	05/09/2024 18:12:15	05/09/2024 18:12:15
3DD.003E030056	1	Chinook	05/09/2024 11:59:55	05/09/2024 11:59:55
3DD.003E030BF5	1	Chinook	05/09/2024 14:14:26	05/09/2024 14:14:25
3DD.003E030E9A	1	Chinook	05/10/2024 19:51:33	05/10/2024 19:51:33
3DD.003E03142B	1	Chinook	05/10/2024 15:10:04	05/10/2024 15:10:04
3DD.003E076CC6	1	Chinook	05/09/2024 17:25:25	05/09/2024 17:25:25
3DD.003E077611	1	Chinook	05/10/2024 17:34:38	05/10/2024 17:34:38
3DD.003E07778C	1	Chinook	05/10/2024 16:47:25	05/10/2024 16:47:24
3DD.003E078052	1	Chinook	05/10/2024 18:47:52	05/10/2024 18:47:52
3DD.003E0790C2	1	Chinook	05/10/2024 17:22:47	05/10/2024 17:22:47
3DD.003E079BA2	1	Chinook	05/09/2024 14:38:15	05/09/2024 14:38:15
3DD.003E079D72	1	Chinook	05/10/2024 00:43:56	05/10/2024 00:43:55
3DD.003E07A44A	1	Chinook	05/10/2024 13:42:49	05/10/2024 13:42:48
3DD.003E07A773	1	Chinook	05/10/2024 15:35:34	05/10/2024 15:35:34
3DD.003E07CB66	1	Chinook	05/09/2024 11:39:27	05/09/2024 11:39:27
3DD.003E07F3BC	1	Chinook	05/09/2024 19:23:28	05/09/2024 19:23:28
3DD.003E08AABD	1	Chinook	05/09/2024 14:49:22	05/09/2024 14:49:22
3DD.003E08B4DD	1	Chinook	05/09/2024 20:09:16	05/09/2024 20:09:16
3DD.003E0970C0	1	Chinook	05/09/2024 19:51:42	05/09/2024 19:51:42
3DD.003E097672	1	Chinook	05/10/2024 10:07:18	05/10/2024 10:07:17
3DD.003E09791F	1	Chinook	05/10/2024 04:36:02	05/10/2024 04:36:01
3DD.003E09795C	1	Chinook	05/09/2024 18:08:31	05/09/2024 18:08:31
3DD.003E097989	1	Chinook	05/09/2024 13:09:48	05/09/2024 13:09:47
3DD.003E1E40A5	3	Steelhead	05/09/2024 13:09:09	05/09/2024 13:09:08

3DD.003E250220	1	Chinook	05/10/2024 15:01:03	05/10/2024 15:01:02
3DD.003E2C56E9	3	Steelhead	05/10/2024 12:25:07	05/10/2024 12:25:07
3DD.003E2C5AD4	3	Steelhead	05/10/2024 17:40:37	05/10/2024 17:40:37
3DD.003E2C7E75	1	Chinook	05/10/2024 20:51:20	05/10/2024 20:51:20
3DD.003E2C8C4B	1	Chinook	05/09/2024 18:29:12	05/09/2024 18:29:11
3DD.003E2C9830	1	Chinook	05/09/2024 14:26:09	05/09/2024 14:26:09
3DD.003E2C9E2C	1	Chinook	05/09/2024 20:53:19	05/09/2024 20:53:19
3DD.003E2CA9F4	1	Chinook	05/10/2024 12:54:08	05/10/2024 12:54:07
3DD.003E2CBC62	1	Chinook	05/10/2024 16:47:06	05/10/2024 16:47:05
3DD.003E2CF785	1	Chinook	05/10/2024 17:57:06	05/10/2024 17:57:05
3DD.003E31B248	1	Chinook	05/10/2024 16:46:28	05/10/2024 16:46:28
3DD.003E31B2B1	1	Chinook	05/09/2024 14:47:36	05/09/2024 14:47:36
3DD.003E31B62F	1	Chinook	05/10/2024 10:22:04	05/10/2024 10:22:04
3DD.003E3515FB	1	Chinook	05/09/2024 18:46:07	05/09/2024 18:46:07
3DD.003E351668	1	Chinook	05/10/2024 10:45:21	05/10/2024 10:45:21
3DD.003E3519B7	1	Chinook	05/09/2024 12:12:33	05/09/2024 12:12:33
3DD.003E351ADD	1	Chinook	05/09/2024 11:50:17	05/09/2024 11:50:16
3DD.003E3527D1	1	Chinook	05/09/2024 21:27:12	05/09/2024 21:27:11
3DD.003E353424	1	Chinook	05/10/2024 14:28:51	05/10/2024 14:28:51
3DD.003E580A2C	1	Chinook	05/10/2024 01:31:18	05/10/2024 01:31:18
3DD.003E58166D	1	Chinook	05/09/2024 13:49:37	05/09/2024 13:49:36
3DD.003E581F04	1	Chinook	05/09/2024 16:27:04	05/09/2024 16:27:04
3DD.003E5838CF	1	Chinook	05/10/2024 11:45:18	05/10/2024 11:45:17
3DD.003E586B07	1	Chinook	05/09/2024 20:45:10	05/09/2024 20:45:10
3DD.00779BC54E	1	Chinook	05/09/2024 14:53:35	05/09/2024 14:53:34
3DD.0078C3D301	1	Chinook	05/10/2024 20:54:28	05/10/2024 20:54:28
3DD.0078C3D5DF	1	Chinook	05/09/2024 11:38:53	05/09/2024 11:38:52
3DD.0078D35DC1	2	Coho	05/10/2024 03:14:11	05/10/2024 03:14:10
3DD.0078D3620D	2	Coho	05/10/2024 00:41:36	05/10/2024 00:41:35

E. Marks and Injuries found on carcass – N/A

F. Cause and Time of Death – N/A

G. Future and Preventative Measures – Standard operating procedures will be emphasized to include biologist and maintenance second party checks for correct gate positioning upon completion of all barge dock maintenance and repair activities.



Sincerely,
Deborah L. Snyder
Supervisory Fish Biologist
Little Goose Lock and Dam
(509) 404-3263