

12 October 2007

To: David Clugston

From: Matt Keefer & Chris Peery

Re: Preliminary summary of the Bonneville adult trap operation on ladder passage times

Notes:

- This summary was put together by querying the PTAGIS database for BO3 records in 2004.
- 'In-trap' fish had records downstream from the trap diversion (coils 11-18), in the trap (coils 20-38) and upstream from the trap (coils 1-10 and 0A-0F); some may have passed undetected.
- 'Not in trap' fish had records downstream and upstream of the trap but not in the trap.
- No adjustment was made for time of day, or for which interrogator coil had the first records.
- Radio-tagged fish were removed from the in-trap sample, because most were released downstream.
- The spring–summer Chinook results suggest a passage 'delay' of 1.1-1.6 hours, on median (Fig. 1).
- The steelhead results suggest a passage 'delay' of 2.2-3.3 hours, on median (Fig. 1).

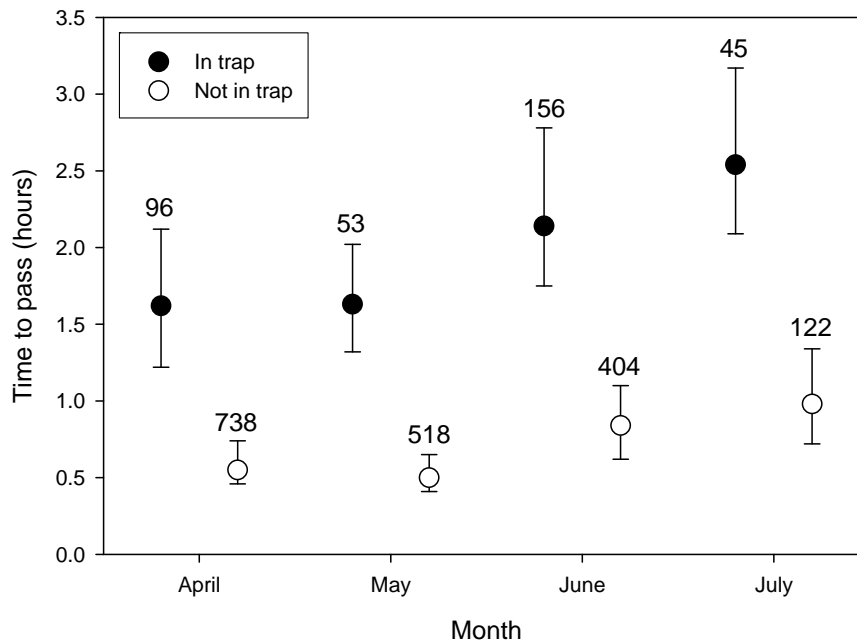


Figure 1. Median and quartile passage times for PIT-tagged spring-summer Chinook salmon in the Bonneville WA-shore ladder, by month in 2004. Start time was the first record at any PIT interrogation site in the ladder downstream from the adult trap diversion (coils 11-18); end time was at the first record at any interrogation site in the ladder upstream from the trap (coils 1-10 and 0A-0F).

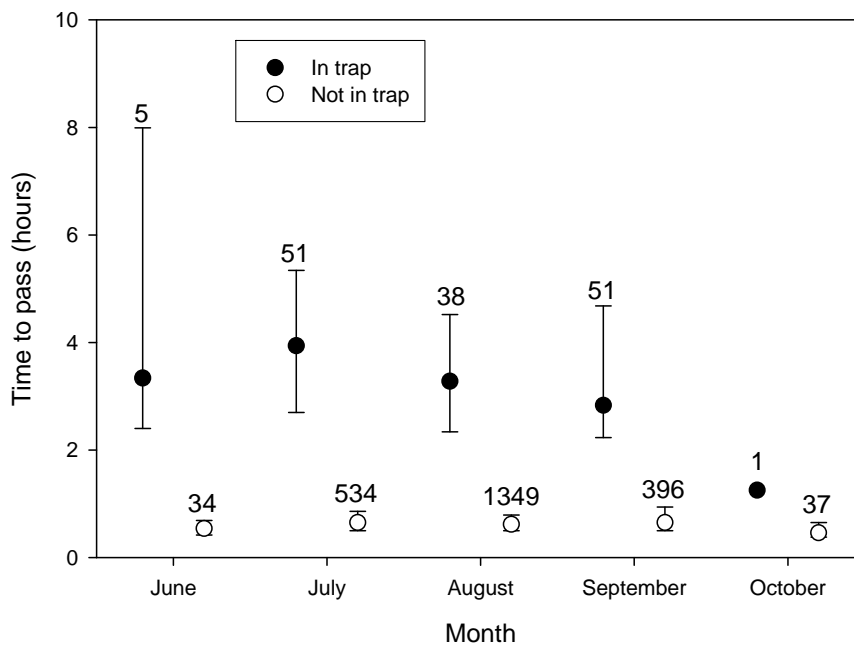


Figure 2. Median and quartile passage times for PIT-tagged steelhead in the Bonneville WA-shore ladder, by month in 2004. Start time was the first record at any PIT interrogation site in the ladder downstream from the adult trap diversion (coils 11-18); end time was at the first record at any interrogation site in the ladder upstream from the trap (coils 1-10 and 0A-0F).