



FISH PASSAGE CENTER

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MEMORANDUM

TO: Gary Fredricks NOAA Fisheries

FROM: Jerry McCann

DATE: June 11, 2008

RE: Timing of subyearling Chinook at Bonneville Dam in late August

As you requested I put together some information that we had on subyearling Chinook timing at Bonneville Dam in August. One source of information is the passage index which provides a good idea of run-at-large timing in August (see attached spreadsheet summarizing index data). However this timing tends to emphasize the passage of large hatchery releases and wild Hanford Reach fish. I included some PIT-tag data analysis of passage timing of PIT-tagged fish from the Yakima River and Snake River to demonstrate that passage of wild fish from these basins occurs in August (figures 1 to 3 below). And also attached is a memo that shows the important contribution to adult returns of subyearling Chinook passing through the Lower Columbia River during August.

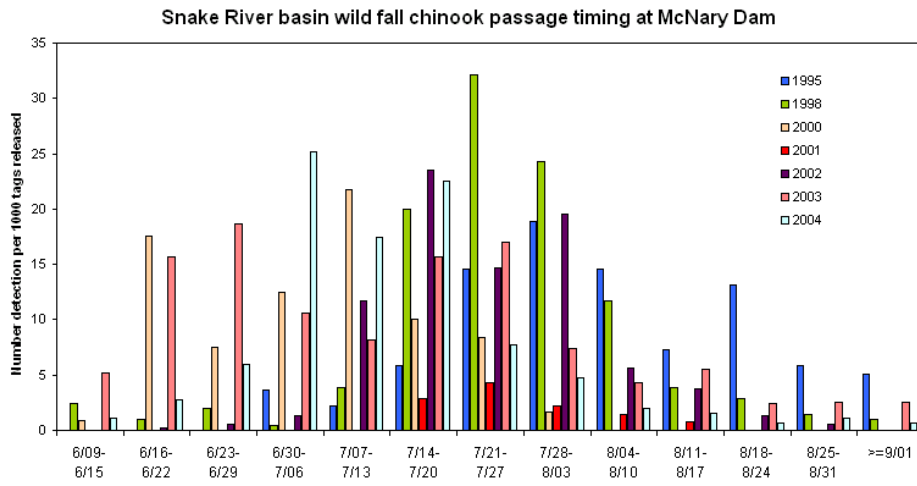


Figure 1. Timing of PIT-tagged Snake River wild fall Chinook passage at McNary Dam 1995 to 2004.

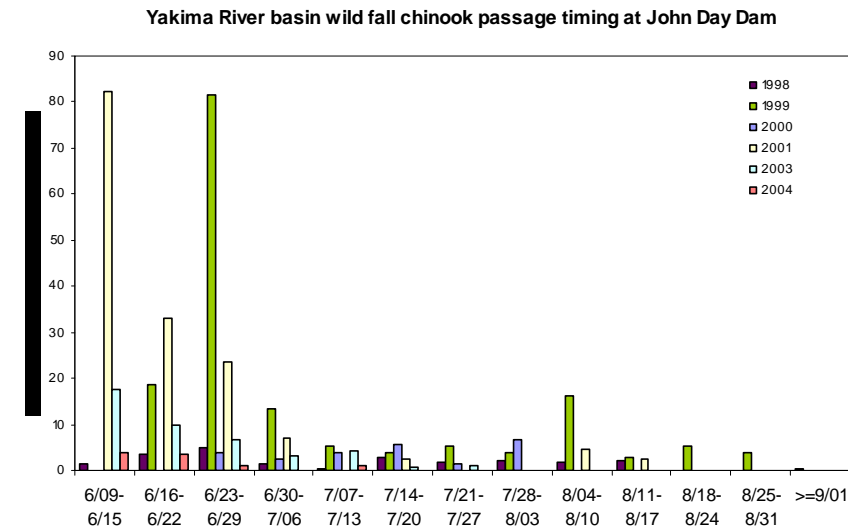


Figure 2. Timing of PIT-tagged Yakima River wild fall Chinook passage at John Day Dam 1998 to 2004.

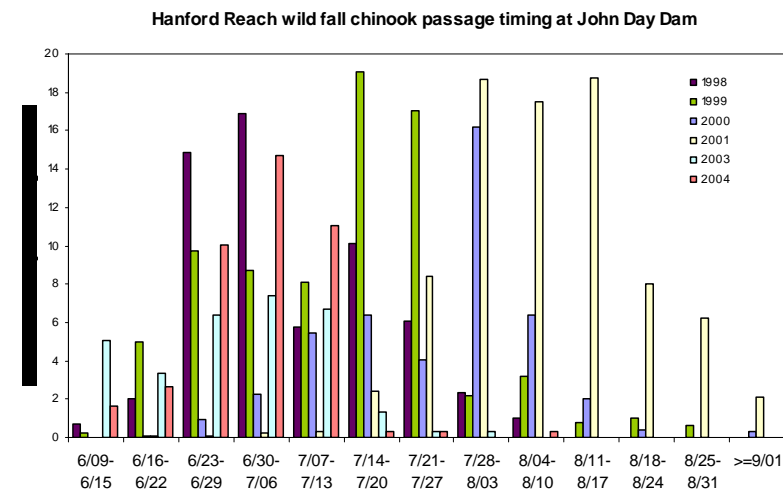


Figure 3. Timing of PIT-tagged Hanford Reach wild fall Chinook passage at John Day Dam 1998 to 2004.