



# MEMORANDUM

DEPARTMENT OF FISH AND WILDLIFE  
INTRA DEPARTMENTAL

**FROM:** Adam Storch  
**TO:** Files  
**SUBJECT:** 2022 Willamette River spring Chinook Run and 2023 forecast  
**GEN. DATE:** 13 August 2012

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## **Summary of 2022 Willamette River spring Chinook return**

### ***Subsection Test***

The total Willamette River spring Chinook return to the Columbia River mouth during 2022 is estimated to be 57,317 fish (Table 1). An estimated 10,728 of these fish were unmarked (~19%). The 2022 total reconstructed return was approximately 109% of forecast. The Clackamas River component was approximately 137% of forecast, with 6,432 spring Chinook returning to the Clackamas River compared to 4,704 (95% credible interval: 2,321–7,201) fish expected.

The total return of adipose-fin-marked hatchery fish to the Columbia River mouth in 2022 is estimated to be 46,589, compared to 37,019 (95% credible interval: 21,561–53,649) fish expected. Counts at the Willamette Falls fishway indicate that 31,937 fin-marked hatchery fish and 6,692 unmarked fish passed the fish ladder. The full reconstruction of the 2022 return is shown in Table 2.