

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 14BON61 MFR** – Split flow operations at Bonneville.

Due the large run of fall Chinook, split flow operations per section 2.1.1.1 of the Fish Passage Plan were implemented at Bonneville on 3 September. On 4 September, a fish counter at the Washington Shore count station notified Project Biologists to report that due to the volume of adult salmon passing through the ladder, the fish were stacked in the window and appeared to be struggling. At that time, two priority units were operating at PH1 passing 16 kcfs, and six units were operating at PH2 passing 80 kcfs.

Upon learning this information, Project Biologists contacted and consulted NOAA about running more PH1 units in an attempt to attract more salmon towards the Bradford Island ladder and ease the ladder conditions at Washington shore. At ~15:00, a teletype was generated allowing up to four priority units to operate at PH1.

Available information is provided below:

A. Species – Chinook Salmon (*Oncorhynchus tshawytscha*), Coho Salmon (*Oncorhynchus kisutch*), Steelhead (*Oncorhynchus mykiss*)

B. Origin – Unknown

F. Cause and Time – Biologists became aware of the situation ~14:00 on 4 September. Actions were taken at ~15:00 that same day.

G. Future and Preventative Measures – The operation of more than two PH1 units during split flow operations may be warranted during large fish runs occurring after 31 August.

Sincerely,  
Bonneville Fisheries