

MEMORANDUM FOR THE RECORD**SUBJECT: Window brush in the lowered position at the Oregon ladder count station.**

Narrative: A 15 minute power outage at the Oregon exit was scheduled for June 9. The outage was required to allow other systems to be tied into the new substation. Due to the duration of outage, adverse effects were expected to be minimal. The fish counting contractor and PSMFC (PIT tag) were both notified of the outage. However, the outage turned out to last for 95 minutes (1.6 hours) at the count station, from 1120 to 1255 hours. The fish counter was able to hand count so no data was lost. PSMFC has not report any lost data at this time. From 1100 to 1300 hours, the forebay elevation changed from 339.3 to 339.2 feet. At 1143 and 1410 hours, the biologist observed the exit in criteria. With a stable forebay elevation, no passage issues should have occurred. However, five minutes after the power outage (1125 hours), the window brush lowered and partially blocked passage until the power returned at 1255 hours. This would be 90 minutes (1.5 hours).

Location: New system substation, which also feeds the Oregon ladder exit.

Method: Contractor and project staffs were to perform an electrical tie in, which was to result in a brief power outage at the Oregon ladder exit.

Time Line - Duration: The 15 minute tie in reality took 95 minutes with the Oregon ladder exit without power.

A. Species: There were no known fish losses. Chinook salmon are the adult species passing most frequently, with June 9 being the beginning of the summer run. Steelhead and sockeye are present in very low numbers. With the window brush being in the lowered position, we observed Chinook salmon hesitating to pass the brush and its shaft. However, during the time frame of the outage, comparing June 8 to June 9, overall passage appears to have been minimally effected.

Chinook passage June 8 verse June 9 from 1100 to 1500 hours.

	8 th	9 th
1100	53	46
1200	28	37
1300	31	28
1400	24	33
1500	40	40

B. Origin: NA

C. Length: NA

D. Marks and Tags: NA

E. Marks and Injuries Found on the Carcasses: NA

F. Future and Preventative Measures: The electrical crew leader stated this morning that the brush lowering during a power outage is a pneumatic issue. Therefore, the mechanical staff will examine the brush pneumatics to determine how best to resolve this problem and insure it does not occur in the future.

G. Photos Taken: None.

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