

**MEMORANDUM FOR THE RECORD**

**SUBJECT: Missed sampling due to hazardous air quality.**

**Narrative:** Due to hazardous air quality from regional wildfires, sample collection was missed for three 24-hour periods (September 13 at 0700 to September 14 at 0700 hours, September 15 at 0700 to September 16 at 0700 hours, and September 17 at 0700 to September 18 at 0700 hours). Due to covid-19, the project's staff is divided into inside and outside crews to minimize risk. Most outside staff including the fisheries staff, were asked to telework due to the hazardous air quality and the juvenile collection channel was only checked once per shift. On September 17<sup>th</sup>, staff were granted temporary permission to wear N95 masks without the normal protocols of training and a physical. A weather system moved through the region on September 18<sup>th</sup> and 19<sup>th</sup> and improved the air quality. Normal 24-hour sample collection resumed on September 19 at 0700 hours with the sample examined the morning of September 20<sup>th</sup>.

**Location:** Juvenile fish facility. Even the air quality inside the powerhouse and juvenile facility building was affected.

**Method:** Three sample periods were missed from September 13<sup>th</sup> to September 18<sup>th</sup> and the facility remained in primary bypass during this time.

**Timeline - Duration:** As described above. There was a total of 72 hours of sampling missed.

**A. Species:** There were no known fish losses. Subyearling Chinook are the primary race/species of juvenile salmonids passing through facility in very low numbers. Adult coho, Chinook, sockeye and steelhead are also passing in very low numbers. The passage index on September 10 and 12, was 64 and 32 subyearling Chinook salmon, respectively. On September 20<sup>th</sup>, the passage index was 24 subyearling Chinook salmon. During the three sample periods missed very few smolts would have been examined.

**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:** Wildfires are out of the control of project personnel. The health and safety of staff members is paramount.

**G. Photos Taken:** None.

**Bobby Johnson**  
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