

MEMORANDUM FOR THE RECORD**SUBJECT: 13 LGS 10 Juvenile Chinook Fish Mortality 9-12-13.**

On September 12, after the completion of fish sampling, at about 10:30 a.m., fish holding in wet lab tank #2 were observed to be hypoxemia. Fish were laboriously gilling, mouth breaching and several were belly-up. The flows to the tank were immediately increased and over the course of 10 minutes all but 6 fish recovered. There were a total of 218 fish, 26 lbs in tank 2. Similar amounts were also holding in wet lab tanks 1 and 3 and these fish did not display hypoxemia. Water temperature in the tanks at the time of the incident was 68.2 F.

Many fish were infected with Columnaris disease, minor descaling, and coupled with warm water temperatures conditions were not acceptable for 48 hour holding. Wet lab tanks can hold 35 lbs of fish at 0.5 lbs per gallons. Fish number and pound counts exceeded the transport tank capacity. As a result Little Goose transported these fish after setting up a second truck with a transport tank. No fish died in transport. Daily transport continued through September 15.

- A. Species – Juvenile chinook salmon (6)
- B. Origin – 1 clipped, 5 unclipped.
- C. Length – Approximately 22.5 cm.
- D. Marks and tags – None observed
- E. Marks and Injuries found on carcass – None observed
- F. Cause and Time of Death – Hypoxia, 10:30 a.m.
- G. Future and Preventative Measures – Review, retrain personnel in fish holding procedures and water flow volumes. Monitor, inspect fish condition more frequently. Perform daily transport as biologically necessary to improve survival.

Sincerely,

George Melanson
Supervisory Fisheries Biologist