



DEPARTMENT OF FISH AND GAME

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FISH PATHOLOGIST REPORT

Location

Trinity River Hatchery

Date

September 30, 2008

Species

Coho fingerlings

Holding Area

A, G, J, I

Parasites and Disease Condition

Kidney and ovarian fluid samples from different salmonid species evaluated with direct fluorescent antibody test (DFAT) for bacterial kidney disease (BKD, Renibacterium salmoninarum) over the last couple years suggests that the occurrence of this disease at Trinity River Hatchery is increasing and may impact hatchery efforts and outmigrant survival (see table below).

Hatchery staff was asked in mid-September of this year to begin saving and freezing coho salmon mortalities (a highly susceptible species). On September 20th, twenty of these fish were retrieved from the Hatchery and prepared for the DFAT test. Slides were prepared on October 1st and read on October 2nd. Ninety percent (18 of 20) of the dead fish were positive for BKD.

Of results going back to March of 2005, the first recorded positive samples were collected in March of 2007. See table below (with the exception of dead fish collected in September of 2008, all samples are 5 fish pools from fish showing no obvious sign of disease).

Trinity River Hatchery BKD Results

Table with 4 columns: Date, Species, Type of Sample, Number Positive of Total. Rows include data from Feb 2007 to September 2008.

Recommendations

A sample of 60 randomly selected Coho fingerlings will be collected next week and individually tested for BKD using the DFAT method.

Comments

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