

FISH PATHOLOGIST REPORT

Location

Iron Gate Fish Hatchery

Date

June 20, 2005

Species

Steelhead fry
500/ lb

Holding Area

Hatchery building
Tank/lot 4

Disease Condition

Losses began in the hatchery about 4 weeks ago with mortalities ranging from 50-100 fish/day. Many of the mortalities had black tails. Cold water disease bacteria, *Flavobacterium psychrophilum*, were seen in skin and gill scrapes along with some other mixed bacteria. The kidneys and brains were cultured on TSA and TYES media. All fish cultured were positive for *F. psychrophilum* in the brains and kidneys.

The fish were treated with TM feed for 10 days @ 3.75g/100 lbs fish (achieved using 2% medicated feed at 2% body weight). After treatment mortalities were still in the range of 30 fish/day in one of the 2 affected groups. Sensitivity testing of the bacterial isolates revealed sensitivity to TM and florfenicol.

Recommendations

Treat for 10 days with 15 mg/kg (6.8mg/lb) florfenicol top-dressed onto fish pills. Mix the total amount of drug/day with enough vegetable oil to evenly spray the florfenicol-oil mixture onto the daily ration of non-nutritive fish pills. Spray the drug-vegetable oil mixture onto the non-nutritive fish pills while mixing. Fish pills should be fed at a rate of 1/2 the usual daily ration. Administer 1/2 the daily ration of fish pills in the morning and the other half in late afternoon. Feed 1/2 the usual daily ration of the regular feed mid-day. Antibiotic administered through prescription by Joe Maret, DVM

Comments

Water temperature 56°F

It is the responsibility of Iron Gate Fish Hatchery to comply with any applicable water quality discharge regulations while carrying out this treatment.

Submitted By

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@ 80 lbs of fish
544 mg / DAY =