State of California
Department of Fish and Game

FISH PATHOLOGIST REPORT

Location
Iron Gate Hatchery

Species
Steelhead fry

Date
July 18, 2006

Holding Area
Hatchery deep tanks 2 and 5

Disease Condition
Mortalities of steelhead in the hatchery deep tanks started to climb.
There was some erosion of the dorsal fins of these fish ($\leq 50\%$ erosion). All mortalities had pale, hemorrhagic gills. Microscopic examination of skin and gill scrapes revealed heavy colonization of the gills by cold water disease bacteria (*Flavobacterium psychrophilum*). No parasites were observed. Approximately half of the mortalities had swollen spleens. Spleen squashes from these fish revealed the presence of *F. psychrophilum* within the spleens.

Recommendations
Treat fish for 14 days with TM medicated feed at a rate of 3.75 grams TM /100 lbs of fish. (Achieved using 2% medicated feed at 2% body weight/day). If fish are being fed at a higher rate give the medicated feed at first morning feed and then use normal feed for the remainder of the day.

Comments
Water Temp 55-56°F
Antibiotic administered through prescription by Joe Maret, DVM
*It is the responsibility of Iron Gate Hatchery to comply with any applicable water quality discharge regulations while carrying out this treatment.*

Submitted By
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