



Fish Health Laboratory
2111 Nimbus Road
Rancho Cordova, CA 95670
Phone: (916) 358-1479
Fax: (916) 358-2825



FISH PATHOLOGIST REPORT

Location

Iron Gate Hatchery

Date

June 8, 2007

Species

Klamath River Steelhead (fry)

Holding Area

HT 6

Disease Condition

Losses have continued since the last path report (June 6, 2007). Moribund fish are thin, darkened, sticking to screens, some with erratic swimming. Moribund fish have pale gills and livers. With the exception of one fish, no obvious developmental deformities were noted. Dissolved oxygen at outflow was 11 mg/L. Microscopic evaluation of euthanized fish showing sign of distress revealed no external parasites or bacteria on flanks or gills. Internally, no bacteria or parasites were observed in spleens, kidneys, optic nerve, brain or lower intestinal tract. Samples were taken for virology, histopathology, and bacterial cultures (kidney, spleen, brain). Preliminary results from brain cultures suggest systemic bacterial infection. Attempts are being made to identify this bacterium.

Recommendations

Treat the systemic bacterial infection by feeding Terramycin (Oxytetracycline HCL) medicated feed at a rate of 3.75 g Terramycin per 100 lbs of fish per day, for 10 days.

Comments

Temperature is 48°F.

Submitted By:

Mark Clifford, Ph.D., Associate Fish Pathologist, CDFG