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## FISH PATHOLOGIST REPORT

### Location

Feather River Hatchery

### Date

2 April 2009

### Species

Spring Chinook

### Ponds

H-6

## Fish Health Assessment

Twenty fish were assessed for over-all health condition. These fish appeared to be in excellent health. The mean (half the numbers were higher and half were lower) weight of the fish was 7.9 grams (57/lb) and the mean length was 96.2 mm. The mean length-weight condition factor was 0.87 (a score close to "1" is desirable - see raw data on accompanying Excel spreadsheet). Almost all of the fish examined had well-formed fins (no erosion), and all had normal skin, gills, eyes, pseudobranchs, thymus, gastrointestinal tracts (all had food in tract), kidneys, spleens, and livers. The mean hematocrit (packed blood cell volume) was 51.7% (normal) and the mean plasma protein concentration was 6.1 g/dL (also normal). Four of twenty fish scored a "2" on mesenteric fat, indicating more than adequate reserves. A score of "1" is adequate. All fish scored a "1" for smolt index indicating that the fish are readying for outmigration. The overall score was 0.1 ("0" is considered a "perfect" score). In conclusion, these fish appear healthy, properly developed and ready for outmigration.

### Comments

Water temp is 52°F.

Submitted By: Tresa Veek, Associate Fish Pathologist, CDFG