

Klamath River Sentinel Fish Exposures April 27-30, 2023

Updated June 30th, 2023

The following is an update for the BOR sentinel fish exposures involving salmonids during April 2023 in the Klamath River.

40 Iron Gate Hatchery juvenile Chinook (IGH ChF) and 40 known out-of-basin susceptible rainbow trout (Rbt) were exposed for 72 hrs, April 27-30, at two lower-Klamath River index sites (see Table below for locations). River temperatures during the exposure ranged from 12.1-13.7°C. Fish have been held for 61 days post-exposure at the J.L. Fryer Aquatic Animal Health Laboratory at 13°C and monitored daily. Percent loss was calculated after 5 days (mortalities that occur within 5 days post-exposure are not included), assuming 40 IGH ChF and RBT.

Site	Fish Species	Percent Mortality	% Mortalities visually Cs Positive**
Above Beaver Creek (KBC)	IGH ChF	0%	
Near Seiad Valley (KSV)	IGH ChF	7.5% (3/40 fish)	100% (3/3 fish)
Non-exposed control	IGH ChF	0%	
	Rbt	4% (1/25 fish)	0%
Above Beaver Creek (KBC)	Rbt	15% (6/40 fish)	50% (3/6 fish)
Near Seiad Valley (KSV)	Rbt	10% (4/40 fish)	66% (3/4 fish)

**Fish are classified as visually positive if mature myxospores are observed.

Studies funded by BOR. These data are preliminary and subject to change.