

Klamath River Sentinel Fish Exposures April 19-22, 2021

Updated June 24th, 2021

The following is an update for the BOR sentinel fish exposures involving salmonids during April 2021 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 19-22, at two lower-Klamath River index sites (see Table below for locations). River temperatures during the exposure ranged from 13.5-15°C. Fish were held for 63 days post-exposure at the Aquatic Animal Health Laboratory at 13°C and monitored daily. These groups were terminated on 6/23/21. Percent loss is 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
Above Beaver Creek (KBC)	IGH ChF	10% (4/40 fish)
Near Seiad Valley (KSV)	IGH ChF	5.1% (2/39 fish)
Non-exposed control	IGH ChF	2.5% (1 fish)
	Rbt	0%
Above Beaver Creek (KBC)	Rbt	56.4% (22/39 fish)
Near Seiad Valley (KSV)	Rbt	71.4% (30/42 fish)

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