

Klamath River Sentinel Fish Exposures May 17-20, 2021
as of July 8th 2021

The following is an update for the BOR sentinel fish exposures involving salmonids during May 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 hr May 17-20 at 5 Klamath River index sites, spanning from the lower to upper-river (see Table below for locations) and 1 site on the Williamson River. In addition, groups of 40 IGH coho were exposed at KBC and KED. River temperatures during the exposure ranged from 18-20°C. Fish have been held for 49 days post-exposure at the Aquatic Animal Health Laboratory at 18°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, 40 IGH coho, and 40 Rbt.

Site	Fish Species	Percent Mortality
Williamson River -Nature Conservancy (WMR)	IGH ChF	0%
	Rbt	100% (40 fish)
Keno Eddy (KED)	IGH ChF	0%
	Rbt	25% (10 fish)
	IGH coho	0%
Above I-5 Bridge (KI5)	IGH ChF	40% (16 fish)
	Rbt	97.5% (39 fish)
Above Beaver Creek (KBC)	IGH ChF	7.5% (3 fish)
	Rbt	100% (8 fish)
	IGH coho	47.5% (19 fish)
Below Seiad Valley (KSV)	IGH ChF	5% (2 fish)
	Rbt	100% (40 fish)
Above Orleans (KOR)	IGH ChF	12.5% (5 fish)
	Rbt	92.5% (37)
Non-exposed control	IGH ChF	0%
	Rbt	0%
	IGH coho	0%

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