

Klamath River Fish Exposures: Chinook stock comparison May 24-27, 2021

Updated July 8th, 2021

The following is an update for a BOR funded study comparing susceptibility to *C. shasta* in Iron Gate Hatchery Fall Chinook and Trinity River Hatchery Spring Chinook

3 groups of 40 Iron Gate Hatchery juvenile Chinook (IGH ChF) and 3 groups of 40 Trinity Hatchery Spring Chinook (TRH ChS) were exposed for 72 hrs, May 24-27, at a lower-Klamath River index site (Above Beaver Creek). River temperature at this site during the exposure ranged from 15-18°C. Fish have been held for 42 days post-exposure at the Aquatic Animal Health Laboratory at 18°C and monitored daily. Percent loss is calculated after 5 days (mortalities that occur within 5 days post-exposure are not included), assuming 40 IGH ChF and TRH ChS per group.

Site	Fish Species	Percent Mortality
Above Beaver Creek (KBC)	IGH ChF-1	12.5% (5 fish)
Above Beaver Creek (KBC)	IGH ChF-2	12.5% (5 fish)
Above Beaver Creek (KBC)	IGH ChF-3	10% (4 fish)
Non-exposed control	IGH ChF	0%
	TRH ChS	2.5% (1 fish)
Above Beaver Creek (KBC)	TRH ChS-1	17.5% (7 fish)
Above Beaver Creek (KBC)	TRH ChS-2	27.5% (11 fish)
Above Beaver Creek (KBC)	TRH ChS-3	17.5% (7 fish)

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