

# Hoopa Tribal EPA

The Hoopa Tribal EPA samples frequently used waterways within the Hoopa Valley in an effort to keep the recreating public safe. The sample season generally occurs from June 1st through October 1st. The recreational sampling program samples and monitors for bacteria that could make you sick if you inhaled or swallowed contaminated water. The bacteria we sample for are E.Coli . We also monitor for Blue-green algae and sample for one of it's more common toxins, Microcystin, which can be deadly.

This aerial photo shows the 9 recreational sampling locations within the valley



Sample location	E.Coli
Redrock	Safe
Mill Creek	Safe
Socktish Creek	Hazardous
Hostler Creek	Hazardous
Supply Creek	Safe
Tishtang Creek	Safe
Campbell Creek	Safe
Campground	Safe

Sample location	Microcystin
River Intake	Caution
Campground	Caution

The two photos on the right visually illustrate the difference in river height, flow and presence of algae at the South boundary of the Reservation. The upper photo was captured on July 15th 2021 and the lower photo on September 3rd 2021. The daytime water temperature on Jul 15th, 2021 was 25.2 deg. C and the stage height was 11.22 feet. The water temperature on September 3rd was 18.8 deg. C and the stage height was 11.10 feet. With increasing water temperatures and decrease in flows we will begin to see an increase in visible algae and the potential for the presence of toxic algae.

The graph on the lower left, from May 1st to September 2nd, shows increasing water temperatures and decreasing stage height. The peaks and valleys illustrated in the Temperature line loosely follow the air temperature trends. The smoke is helping to keep air temperatures down and that is also reflected in the water temperature.

