## Trap equipment

8-foot Rotary Screw Trap (RST)

Diversion Screen Trap (DST)

## Current trap location

Parrott-Phelan Diversion Dam (Butte Creek near Chico)

## Monitoring schedule

October-June

Continuously trapping except under high flows and unsafe working conditions

Serviced daily within a 24-hour period, more if needed due to high debris amounts or fish catch

## Daily environmental data

* Water temperature (Celsius)
* Flow (Cubic Feet per Second)

## Fish measurements

Fork length measurements to nearest mm taken for:

* Chinook: 50 randomly selected
* Steelhead: first 10
* Non-salmonoid: first 10 (total length)

## Fish counts

* All fish not measured are plus counted by hand.
* If juvenile salmon are highly abundant, a simple weight count method is used to count Chinook in increments of 500-1,000 or more to speed up processing.

## Trap efficiency trials

* Natural origin Chinook captured in RST and DST are the source of released fish
* Once weekly December-May across variable flow and environmental conditions as catch totals allow.
* A minimum of 3 consecutive days of fishing after the release date is required for a release to be included in analysis.
* Mortality between the release point and the trap is assumed to be negligible.
* Release site approximately 1 mile upstream of trapping site.

## Trap efficiency mark

* Fish are marked with Bismarck brown Y (BBY) whole body stain.

Note: data within the current year’s monitoring season are considered provisional.