

CalFish Fisheries Abundance Database
 Overview of Available Data
 Central Valley Chinook
 2/23/2011

The CalFish Fisheries Abundance Database contains Chinook salmon data for the California's Central Valley (CV). These data are organized in two primary ways, the data category and the trend type. The purpose of this document is to provide an overview of the data categories and trend types to assist with querying data. Full documentation is available from http://www.streamnet.org/reports_pubs.cfm under the Briefing Papers & Miscellaneous tab. The downloadable StreamNet Data Exchange Format document is at the top of the list.

Data categories used for CV Chinook salmon data include:

Data Category	
Adult Return-Estimates of Spawning Population	Index trends of Chinook salmon escapement/abundance estimates derived from various survey techniques (e.g., mark-recapture carcass surveys, redd surveys, etc). This data category includes all of the official CV Chinook salmon escapement estimates.
Dam and Weir Counts (Adult or Juvenile)	These are counts from weirs, fish ladders, and video stations. Data used to develop official escapement/abundance estimates are identified by the Trend Type "Index."
Adult Return-Spawner Counts	Supplemental trends of live fish counts or carcass counts on the spawning areas.
Adult Return-Redd Counts	Supplemental trend results of redd count surveys.
Hatchery>Returns	Fish counts at a hatchery or satellite facilities.
Harvest-Freshwater/Estuary	In-land (freshwater or estuary) harvest estimates from angler surveys.

Trend Type is used to indicate the suitability of the dataset for development of population trend. Central Valley datasets are grouped as follows:

Trend Type	
Index	An index trend type is used for populations/stocks that have been surveyed consistently over a long period of time to estimate abundance or index abundance at some geographic scale (e.g., stream). Abundance estimates associated with this trend type are the official numbers for that population/stock.
Supplemental	A supplemental trend type is used to include count data from surveys that are typically used to fill a specific localized information need and may or may not be conducted year to year. Count data includes live fish, redd, and carcass counts. For example, redds may be counted during a mark-recapture carcass survey but the official abundance estimate is from the mark-recapture data (index trend type).