Accessing the
CalFish Salmonid Abundance Database
http://www.calfish.org

(Updated 1/21/2011)

1. **Locate Abundance Data directly through the CalFish Tabular Data Query**
   a. From the CalFish home page select the orange **"Query Data"** button to gain access. **(Figure 1)**
   b. Next select **"Enter the CalFish Tabular Data Query System Here"** to open a page that enables the user to set query parameters. **(Figure 2)**
   c. When using this query system a **"Data Category"** must be selected prior to viewing the detailed data. **(Figure 2)** Selecting other criteria first will enable the user to view all of the data that meet those criteria prior to narrowing the results to a **"Data Category."** For example, by first selecting a stream, such as the **"Merced River,"** together with a species, such as **"Chinook"** the category **"Adult Return-estimates of spawning population,"** will be displayed as an available data category. **(Figure 3)**
   d. After selecting a data category, selecting **"View Available Data"** will enable the user to select an individual dataset from among datasets found matching all search criteria. **(Figure 4)**
   e. In this example **"Trend No."** 90651 has been selected. Data are organized by species, race, life stage, data category (as above), data type (i.e., Index or Supplemental), and location. **(Figure 5a)**
   f. Annual counts or estimates are presented in rows, one row for each annual count or estimate. **(Figure 5a)**
   g. Below the annual record area the user will find citation information and links to the documents used to compile each record. **(Figure 5b)**
   h. Soon new features will be added that will enable users the ability to view, print, or export data in a tabular or a graph format. The addition of an email link will make it easy for users to report possible data errors.

2. **Locate data geographically through the CalFish Map Viewer**
   a. From the CalFish home page Select the orange **"View Maps"** button to gain access. **(Figure6)**
   b. At this point the **"MapViewer Selection Form"** may be used if desired. This form can speed searches for a specific dataset by reducing the map scale and the available data. Select from the available options and then select the "View Map" button to open the Map Viewer. **(Figure 7)**
   c. Alternatively the **"Map Viewer Selection Form"** can be bypassed and all available data viewed by skipping the "Map Viewer Selection Form" and going directly to the Map Viewer by selecting the **"View Map"** button. **(Figure 7)**

d. In the map viewer, the user may view multiple CalFish Salmonid Abundance spatial datasets by checking the box to the left of each dataset, but the attribute information will only be visible for one spatial dataset at a time. The box must be checked in order to view the map features and the spatial dataset name must be highlighted in blue to view the attribute information table. **(Figure 8)**

Available Spatial Datasets
Chinook Abundance - Point Features
Chinook Abundance - Linear Features
Coho Abundance - Point Features
Coho Abundance - Linear Features
Steelhead Abundance - Point Features
Steelhead Abundance - Linear Features

e. Make one or more spatial datasets visible by checking the adjacent box, (i.e., "Chinook Abundance - Linear Features"). **(Figure 8)**
f. Make the spatial dataset active by selecting or clicking over the name, (i.e., "Chinook Abundance - Linear Features") so that it turns blue. **(Figure 8)**
g. Click the **"Refresh Map"** button whenever it flashes. **(Figure 8)**
h. Metadata for the selected spatial dataset may be viewed through the metadata button above the map on the toolbar. **(Figure 8)**
i. Use the zoom and pan tools on the toolbar to navigate to an area of interest. And then use the identify button from the toolbar to view the attribute information associated with the location. Note that many of the linear features overlap and the available data may not be apparent without selecting at several points along the visible feature line. **(Figure 9)**
j. The data attribute table is displayed below the map viewer. **(Figure 9)**
k. The **"Zoom"** hyperlink provides a better view of each location. **(Figure 9)**
l. The attributes displayed at the bottom of the page are a summary of the detailed data available in the Salmonid Abundance Database. **(Figure 9)**
m. Open the database by selecting the **"Open"** hyperlink to the left of the attribute table. **(Figure 10)**
n. Refer to step 1.e above for information about the format used to organize the detailed data.

3. **CalFish Digital Fisheries Documents**
   The reference materials used to compile the CalFish Database, and many more, are available in digital form from the StreamNet Library in Portland. This is a full service library and assistance is available if you have questions about the on-line catalog. The library can be found on the CalFish website under the Resources tab. http://www.calfish.org/Resources/tabid/58/Default.aspx

More information
- More information about this program is available from the CalFish program tab or: http://www.calfish.org/Programs/CalFishPrograms/AnadromousAbundance/tabid/76/Default.aspx
- Connie Shannon is also available to provide assistance with questions related to this program (530) 225-2155 cshannon@dfg.ca.gov
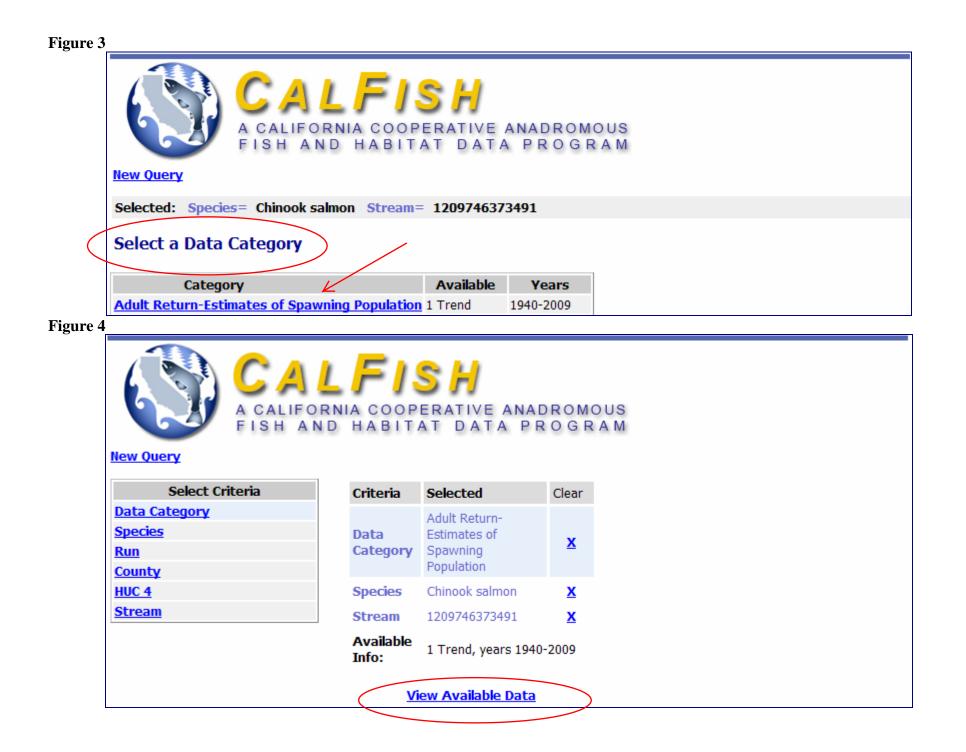
Figure 1

Figure 2

Figure 3

Figure 4

Figure 5a: (Note: the CalFish database was being modified on the day this image was created. The river miles below are inaccurate.)

CALFISH
A CALIFORNIA COOPERATIVE ANADROMOUS FISH AND HABITAT DATA PROGRAM

New Query

Adult Return-Estimates of Spawning Population

Subbasin: **Outside Columbia Basin**   Species: **Chinook salmon**   Hatchery: Run: **Fall**   Subrun: **N/A**

Production: **Natural**   Lifestage: **Adults and jacks**   Count Type: **Index of live fish**   Compiler: **California Department of Fish and Game**

Location: **Merced River, trib to San Joaquin River from mile 0.0 to mile 51.5**

Comments: Survey lengths vary, please see the comments below. Location data above reflects the section most often surveyed and recorded below, from the Cressey Bridge upstream twenty-three miles to the Crocker Diversion Dam (barrier).

Begin Date	End Date	Year	Count Date	Times Surveyed	Miles Surveyed	Count Per Mile	Count	Sampling Method	Calculation Method	Count Comment	Reference
9/1/1940	12/31/1940	1940					1000	Unknown	Unknown	This report lists counts only. Count is rounded to thousands.	1
9/1/1941	12/31/1941	1941					1000	Unknown	Unknown	This report lists counts only. Count is rounded to thousands.	1

Figure 5b

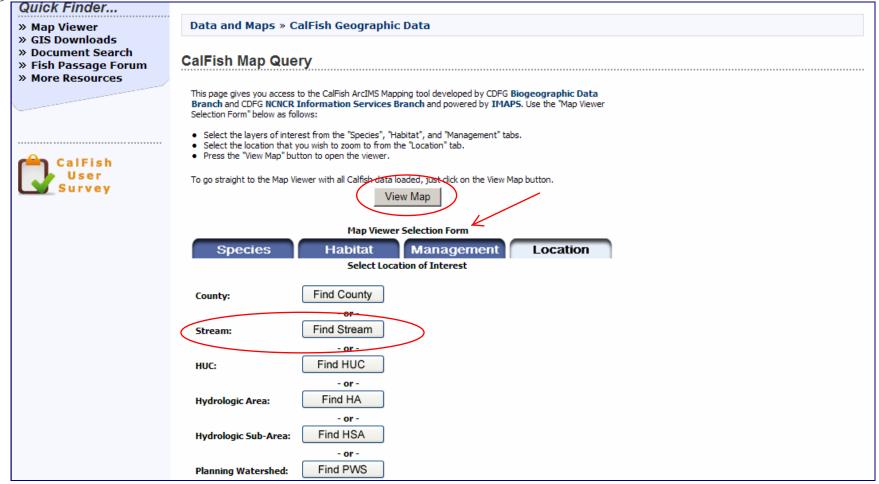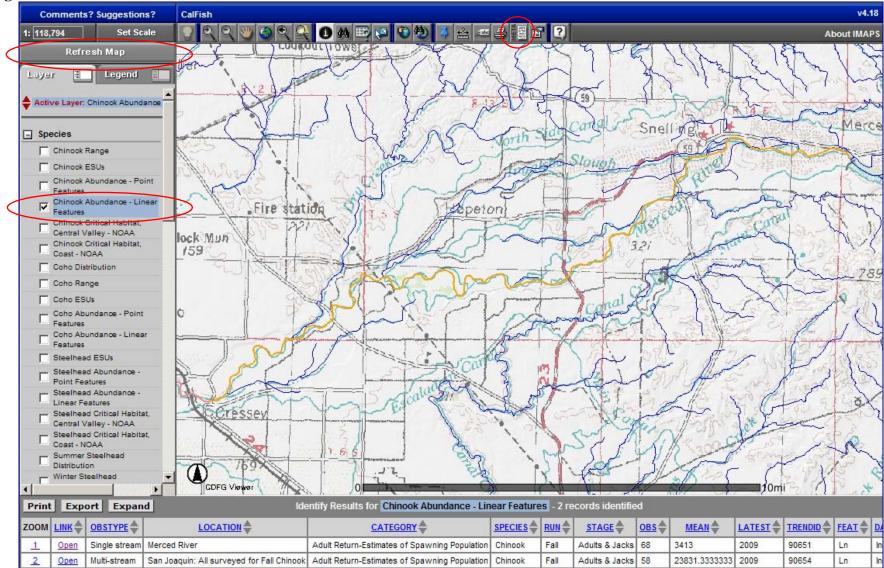|											
9/1/2008	12/31/2008	2008			24.7		389	Ground	Mark recapture - unspecified type	available. Dates are not specified. Methods are assumed to be similar to previous years. Does not include 76 taken in at the Merced Hatchery.	52
9/1/2009	12/31/2009	2009			24.7		358	Ground	Mark recapture - unspecified type	Estimate is preliminary. Few details are available. Dates are not specified. Methods are assumed to be similar to previous years. Does not include 246 taken in at the Merced Hatchery.	52

References
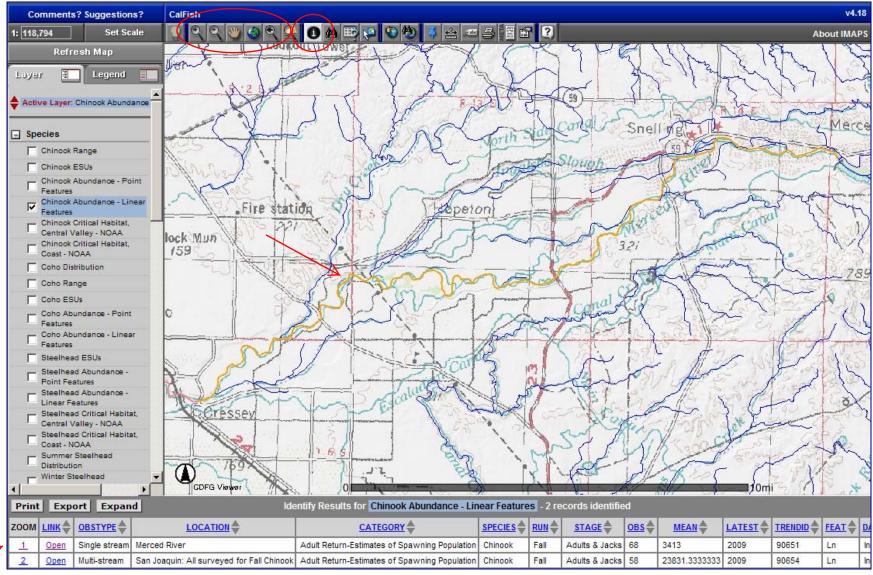
1 Fry, Donald H., Jr. **King salmon spawning stocks of the California Central Valley, 1940-1959.** California Dept. of Fish and Game, Marine Resources Branch, 1960, (StreamNet Reference) [**View Document**]

2 Fry, Donald H., Jr., and Alexander Petrovich, Jr.. **King salmon [Oncorhynchus tshawytscha] spawning stocks of the California Central Valley, 1953-1969.** California Dept. of Fish and Game, Anadromous Fisheries Branch, 1970, (StreamNet Reference) [**View Document**]

3 Warner, G.. **The 1956 king salmon population estimates for the rivers of the Sacramento - San Joaquin River System from Butte Creek South.** California Department of Fish and Game, 1957, (90776)

Figure 6

Figure 7

Figure 8

Figure 9

Figure 10