**IEP Status & Trends Report: Fall Season Datasets**

**Dayflow Program (DWR): net Delta outflow index**

Study description: <https://water.ca.gov/Programs/Environmental-Services/Compliance-Monitoring-And-Assessment/Dayflow-Data>

Data location: <https://water.ca.gov/Programs/Environmental-Services/Compliance-Monitoring-And-Assessment/Dayflow-Data>

Data format: comma delimited files (.csv)

Range: 1929-present

Notes: For now, this is just a file generated by hand.

**Environmental Monitoring Program (DWR): Temperature, NO3-/NO2-/NH4+, Turbidity, Chlorophyll-a, Secchi Depth**

Study description: <https://emp.baydeltalive.com/projects/11285>

Data location: <https://emp.baydeltalive.com/projects/11285>

Data format: Microsoft Excel files (.xls)

Range: 1979-present

Notes: For now, these data have to be downloaded by hand.

**Environmental Monitoring Program (DWR): Phytoplankton**

Study description: <https://emp.baydeltalive.com/project/11282>

Data location: <https://emp.baydeltalive.com/project/11282>

Data format: comma delimited files (.csv)

Range: 1976-present

Primary Data File(s): Phytoplankton\_Algal\_Type\_Data\_1975\_-2016.csv

Supporting Data File(s): NA

Notes: We will need to pair these data with GPS coordinates for stations. This shouldn’t be difficult because the phytoplankton stations are the same as the water quality and zooplankton stations.

**Zooplankton Survey (CDFW): Zooplankton**

Study description: <https://emp.baydeltalive.com/projects/11281>

Data location: <ftp://ftp.dfg.ca.gov/IEP_Zooplankton/> OR <https://emp.baydeltalive.com/projects/11281>

Data format: Microsoft Excel files (.xlsx)

Range: 1979-present

Primary Data File(s):

1972-2017CBMatrix.xlsx (tab = CB CPUE Matrix 1972-2017)

1972-2017PumpMatrix.xlsx (tab = Pump CPUE Matrix 1972-2017)

1972-2017MysidMatrix.xlsx (tab = Mysid CPUE Matrix 1972-2017)

Supporting Data File(s): 1972-2017MysidMatrix.xlsx (tab = StationLookup)

Notes: CPUE is available for all three sampling types (CB, Mysid, Pump) but not the BPUE or even the taxon-specific biomass estimates. I could ask April to add that info to the FTP site. In the meantime, I do have files for this. StationLookup is needed because the GPS coordinates for stations are needed to group stations into geographic regions. The StationLookup from the Mysid Net dataset works best because the StationLookup datasets for the other two surveys are just subsets of this one.

**Fall Midwater Trawl (CDFW): Age-0 Striped Bass, Delta Smelt, Longfin Smelt, American Shad**

Study description: <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=FMWT>

Data location: <http://www.dfg.ca.gov/delta/data/fmwt/indices.asp>

Data format: Tables embedded in webpage

Range: 1967-present

Note: I originally got these data by emailing CDFW. I didn’t get them out of these web-based tables. Also, we should just grab the data for Splittail and Threadfin Shad too even though they aren’t in the current version of the fall season report.

**Sturgeon Study Trammel Net Survey (CDFW): White Sturgeon**

Study description: <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=STURGEON>

Data location: <https://github.com/jasondubois/SturgeonPopMetrics/blob/master/abundance/cpue_wst.csv>

Data format: csv file on GitHub

Range: 1967-present

**California Central Valley Chinook Population Database Report (CDFW): Fall-run Chinook**

Study description: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=84381&inline>

Data location: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=84381&inline>

Data format: Tables embedded in PDF

Range: 1975-present

Note: For the current fall season report, we just need the fall run data, but we should just get the data for all the runs.