**IEP Status & Trends Report: Winter 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.

**Smelt Larva Survey (CDFW): Longfin Smelt**

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

Data location: <ftp://ftp.dfg.ca.gov/Delta%20Smelt/>

Data format: Microsoft Access database (.mdb)

Range: 2009-present

Primary Data File(s): SLS.mdb (probably should include all tables)

Supporting Data File(s): NA

**Bay Study (CDFW): Longfin Smelt, Juvenile Sturgeon, Lamprey?**

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

Data location: <ftp://ftp.dfg.ca.gov/BayStudy>

Data format: Microsoft Access database (.mdb)

Range: 1980-present

Primary Data File(s): CDFW\_SFBayStudy\_FishData\_November2015\_Public.mdb (probably should include all tables)

Supporting Data File(s): NA

**Spring Kodiak Trawl (CDFW): Delta Smelt**

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

Data location: <ftp://ftp.dfg.ca.gov/Delta%20Smelt/>

Data format: Microsoft Access database (.mdb)

Range: 2002-present

Primary Data File(s): SKT.mdb (probably should include all tables)

Supporting Data File(s): NA

**Red Bluff Diversion Dam Rotary Screw Trap Monitoring (US FWS): Winter-run Chinook**

Contact: Bill Poytress [bill\_poytress@fws.gov](mailto:bill_poytress@fws.gov)

Study description: <https://www.fws.gov/redbluff/rbdd_jsmp.html>

Final reports: <https://www.fws.gov/redbluff/MSJM%20Reports/RST/rbdd_jsmp_annual.html>

Bi-weekly data: <https://www.fws.gov/redbluff/RBDD%20JSM%20Biweekly/2018/rbdd_jsmp_2018.html>

Data format: tables in electronic reports (.pdf)

Range: 1994-2000; 2002-present

Primary Data File(s): all PDF files

Supporting Data File(s): NA

Notes: Request alternative data format type from Bill. First, figure out exactly what data we want.

**Yolo Bypass Fish Monitoring Program (DWR): Juvenile Chinook & Splittail**

Study description: <https://portal.edirepository.org/nis/mapbrowse?packageid=edi.233.1>

Data location: <https://portal.edirepository.org/nis/mapbrowse?packageid=edi.233.1>

Data format: comma delimited files (.csv)

Range: 1998-present

Primary Data File(s): YBFMP\_fish\_and\_water\_quality\_data\_1998\_2018.csv

Supporting Data File(s): YBFMP\_Fish\_Taxonomy.csv, YBFMP\_Trap\_Effort.csv, YBFMP\_Site\_locations\_latitude\_and\_longitude.csv

**Delta Juvenile Fish Monitoring Program (US Fish & Wildlife Service): Juvenile Chinook, Pikeminnow**

Study description: <https://portal.edirepository.org/nis/mapbrowse?packageid=edi.244.2>

Data location: <https://portal.edirepository.org/nis/mapbrowse?packageid=edi.244.2>

Data format: comma delimited files (.csv)

Range: 1976-present

Primary Data File(s): DJFMP\_fish\_and\_WQ.csv

Supporting Data File(s): DJFMP\_Site\_Locations.csv, DJFMP\_Fish\_Taxonomy.csv

Notes: The primary dataset is truncated in the downloaded CSV file because the maximum number of rows in excel is exceeded (i.e., 1,048,576 rows).