**IEP Seasonal Monitoring Report: 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://data.cnra.ca.gov/dataset/dayflow>

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.

**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):

1972-2018CBMatrix.xlsx (tab = CB CPUE Matrix 1972-2018)

1972-2018PumpMatrix.xlsx (tab = Pump CPUE Matrix 1972-2018)

1972-2018MysidMatrix.xlsx (tab = Mysid CPUE Matrix 1972-2018)

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.

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

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

Data location: <ftp://ftp.wildlife.ca.gov/BayStudy/CatchMatrices/>

Data format: Excel files (.xlsx)

Range: 1980-present

Primary Data File(s): Bay Study\_FishCatchMatrices\_1980-2017.zip, which contains:

Bay Study\_MWT\_1980-2017\_FishMarix.xlsx and

Bay Study\_OT\_1980-2017\_FishMatrix.xlsx

**20mm survey (CDFW): Delta Smelt**

Study description: <https://wildlife.ca.gov/Conservation/Delta/20mm-Survey>

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

Data format: Microsoft Access database (.accdb)

Range: 2004-present

Primary Data File(s): 20mm\_New.accdb (probably should include all tables)

**Grand Tab: Chinook Adult Population estimates (Spring-Run for spring report, Fall-run for fall report)**

Study description: <https://www.calfish.org/ProgramsData/Species/CDFWAnadromousResourceAssessment.aspx>

Data Location: <http://www.cbr.washington.edu/sacramento/data/query_adult_grandtab.html>

Range: 1960-Present

Data format: queryable database. Imputs: “Download CSV only” Species: “Chinook, Spring”, Spawning type “In-River”.

**Yolo Bypass Fish Monitoring Program (DWR): 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, native cyprinids**

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).

**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

**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

**Summer Townet (CDFW): Delta Smelt, Microcystis**

Study description: <https://wildlife.ca.gov/Conservation/Delta/Townet-Survey>

Data location: <ftp://ftp.wildlife.ca.gov/TownetFallMidwaterTrawl/TNS%20MS%20Access%20Data/TNS%20data/>

OR

<http://www.dfg.ca.gov/delta/data/townet/indices.asp?species=3>

Data format: Tables embedded in web page (smelt indices), or calculate from Access database (Microcystis, or alternate route for smelt index)

Range: 1959-present

**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

**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: <http://www.cbr.washington.edu/sacramento/data/query_redbluff_daily.html>

Data format:

### For SacPAS “Red Bluff Juvenile Estimates Daily Table Query with Biweekly Totals“ [http://www.cbr.washington.edu/sacramento/data/query\_redbluff\_daily.html](https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.cbr.washington.edu%2Fsacramento%2Fdata%2Fquery_redbluff_daily.html&data=02%7C01%7C%7Ccd8449fe5ae14d3a92b308d70ed7604f%7Cb71d56524b834257afcd7fd177884564%7C0%7C0%7C636994190499014415&sdata=ZUmVEifWSW%2BA5f%2FcnRmoZJvfzw676CXezauD7WX1eM0%3D&reserved=0)

### This is the call to generate the CSV file only of the calendar year based Red Bluff daily passage estimates. In this call, the biweekly estimates are turned off and water temperature unit is the default, Celsius.

[http://www.cbr.washington.edu/sacramento/data/php/rpt/redbluff\_daily.php?outputFormat=csv&year=2019&biweekly=other&wtemp=default](https://gcc01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.cbr.washington.edu%2Fsacramento%2Fdata%2Fphp%2Frpt%2Fredbluff_daily.php%3FoutputFormat%3Dcsv%26year%3D2019%26biweekly%3Dother%26wtemp%3Ddefault&data=02%7C01%7C%7Ccd8449fe5ae14d3a92b308d70ed7604f%7Cb71d56524b834257afcd7fd177884564%7C0%7C0%7C636994190499014415&sdata=UXD0BnJQxXBFCIwXg3WQ1KlZIdF1M7qBzOohRdsIVp8%3D&reserved=0)

You would replace year value to query for different years. We have 2004 to present in the SacPAS database. This dataset is not updated on a daily basis. We update our database as soon as files are made available to the public by FWS.

For passage estimates values: “—“ (two dashes) indicates that no sampling occurred, 0 indicates that sampling occurred but there were 0 fish.

For length values: “—“ (two dashes) indicates that no sampling occurred, NA when passage estimates is 0, otherwise a single value or a range of values with a dash.

Range: 2004-present

Primary Data File(s): query and .csv files