**Guide to files**

Below is an inventory of all the files in the GitHub repository for the IEP Status and Trends Reports.

**Main folder**

* [IEP\_Status&Trends\_DatasetsBySeason\_Table.pdf](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_DatasetsBySeason_Table.pdf): Draft Table of data sets to plot in IEP Status and Trends Reports by season
* basemap.png – figure showing all the regions of the estuary
* IEP\_Plot\_Theme.R – ggplot theme to standardize the look of all the figures
* IEP\_Status&Trends\_util.R – another place with the theme. I don’t know why there are two.

fall\_report

* [IEP\_Status&Trends\_2017\_Fall\_Metadata.pdf](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_2017_Fall_Metadata.pdf): Metadata associated with data sets depicted in the IEP Status and Trends Fall 2017 Report
* [IEP\_Status&Trends\_2017\_Fall\_Report.pdf](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_2017_Fall_Report.pdf): IEP Status and Trends Fall 2017 Report
* [IEP\_Status&Trends\_2017\_Fall\_Metadata.pdf](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_2017_Fall_Metadata.pdf): Metadata associated with data sets depicted in the IEP Status and Trends Fall 2017 Report
* [IEP\_2017FallStatusTrends\_ADA.pdf](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_2017_Fall_Report.pdf): ADA=compliant version of IEP Status and Trends Fall 2017 Report
* [IEP\_Status&Trends\_FallDatasets\_2019-03-21.docx](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_FallDatasets_2019-03-21.docx): Basic metadata about the web-based location and file types of the fall season data sets
* [IEP\_Status&Trends\_Fishes\_Fall.R](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_Fishes_Fall.R): R code for generating plots of Delta smelt, longfin smelt, striped bass, American shad, white sturgeon, and fall-run chinook salmon for the IEP Status and Trends Fall 2017 Report
* [IEP\_Status&Trends\_Flow.R](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_Flow.R): R code for generating plots of Delta Outflow Index for the IEP Status and Trends Fall 2017 Report
* [IEP\_Status&Trends\_WaterQuality.R](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_WaterQuality.R): R code for generating plots of Secchi depth, dissolved nitrogen, and chlorophyll-a for the IEP Status and Trends Fall 2017 Report
* [IEP\_Status&Trends\_Zooplankton.R](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_Zooplankton.R) R code for generating plots of zooplankton biomass per unit effort for the IEP Status and Trends Fall 2017 Report
* run\_report.r : Code for generating all the graphs to go into the fall report
* figures – folder full of the figures that went into the fall report

winter\_report

* BayStudyFishPlots.R
* BayStudyPlots\_Winter2017.Rmd
* IEP\_Status&Trends\_Fishes\_DJFMP.R
* IEP\_Status&Trends\_Fishes\_SKT.R
* IEP\_Status&Trends\_Flow.R
* IEP\_Status&Trends\_Redbluff.R
* IEP\_Status&Trends\_util.R
* IEP\_Status&Trends\_WaterQuality.R
* IEP\_Status&Trends\_Zooplankton.R
* [IEP\_Status&Trends\_WinterDatasets\_2018-12-06.docx](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/IEP_Status%26Trends_WinterDatasets_2018-12-06.docx): Basic metadata about the web-based location and file types of the winter season data sets
* latex – figures and code to knit the report together using LaTeX

**data folder: Source data files**

* 1972-2018CBMatrix.xlsx – CDFW Zooplankton Study mesozooplankton data.
* 1972-2018MysidMatrix.xlsx – CDFW Zooplankton Study macrozooplankton data.
* 1972-2018Pump Matrix.xlsx – CDFW Zooplankton Study microzooplankton data.
* [WQ\_Discrete\_1975-2017.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/WQ_Discrete_1975-2017.csv): California Department of Water Resources (CDWR), Environmental Monitoring Program (EMP), monthly discrete water quality data, 1975-2017
* [chla\_all\_seasons.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/chla_all_seasons.csv): CDWR, EMP, monthly chlorophyll-a data, 1975-2017
* [flow\_1929-10-01\_2018-09-30.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/flow_1929-10-01_2018-09-30.csv): CDWR, Environmental Planning and Information Branch Net, Delta Outflow Index, 1929-2018
* [fmwt.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/fmwt.csv): California Department of Fish and Wildlife (CDFW), Fall Midwater Trawl, Indices for Delta Smelt, Striped Bass, Longfin Smelt, and American Shad, 1967-2017
* [frch.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/frch.csv): CDFW, Fisheries Branch Anadromous Resource Assessment Unit, count estimates for fall-run chinook salmon adult escapement, 1975-2017
* [wq\_stations.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/wq_stations.csv): CDWR, EMP, monthly discrete water quality data station locations
* [wst.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/wst.csv): CDFW, Sturgeon Study, Trammel Net Survey data for white sturgeon, 1967-2017
* [zoop\_cb.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/zoop_cb.csv): CDFW, Zooplankton Study, monthly mesozooplankton catch per unit effort data, 1974-2017
* [zoop\_individual\_mass.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/zoop_individual_mass.csv): CDFW Zooplankton Study, micro- and mesozooplankton masses for calculation of biomass per unit effort
* [zoop\_mysid.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/zoop_mysid.csv): CDFW Zooplankton Study, monthly macrozooplankton catch per unit effort data, 1974-2017
* [zoop\_mysid\_mass.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/zoop_mysid_mass.csv): CDFW Zooplankton Study, monthly macrozooplankton biomass per unit effort data, 1974-2017
* [zoop\_pump.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/zoop_pump.csv): CDFW Zooplankton Study, monthly microzooplankton pump catch per unit effort data, 1974-2017
* [zoop\_stations.csv](https://github.com/InteragencyEcologicalProgram/Status-and-Trends/blob/master/zoop_stations.csv): CDFW Zooplankton Study, monthly zooplankton sampling station locations
* yci\_bs.csv – San Francisco Bay Study white sturgeon Year Class Index
* redbluff\_all.csv – passage estimates for juvenile chinook salmon from the Red Bluff Diversion Dam
* Bay Study\_MWT\_1980-2018\_FishMatrix.xlsx – San Francisco Bay Study fish catch.