# Delta packages and data

## Data

* [http://portal.edirepository.org:80/nis/simpleSearch?defType=edismax&q=iep&fq=-scope:ecotrends&fq=-scope:lter-landsat\*&fl=id,packageid,title,author,organization,pubdate,coordinates&debug=false](http://portal.edirepository.org:80/nis/simpleSearch?defType=edismax&q=iep&fq=-scope:ecotrends&fq=-scope:lter-landsat*&fl=id,packageid,title,author,organization,pubdate,coordinates&debug=false)

## Packages

* Shapefiles: [InteragencyEcologicalProgram/deltamapr: Data package of spatial data for the Bay-Delta (github.com)](https://github.com/InteragencyEcologicalProgram/deltamapr)
* Zoopr: [InteragencyEcologicalProgram/zooper: R package to download and integrate zooplankton datasets from the Sacramento San Joaquin Delta (github.com)](https://github.com/InteragencyEcologicalProgram/zooper)
* Fish: <https://github.com/Delta-Stewardship-Council/deltafish>
* Yolo inundation: [goertler/inundation: yolo bypass inundation duration (github.com)](https://github.com/goertler/inundation)
* Discrete wq: [InteragencyEcologicalProgram/discretewq: An integrated dataset of discrete water quality in the San Francisco Estuary (github.com)](https://github.com/InteragencyEcologicalProgram/discretewq)
* Water year, water year day: [ryanpeek/wateRshedTools: watershed utils for water year day (github.com)](https://github.com/ryanpeek/wateRshedTools)
* NWIS (USGS) data: [dataRetrieval Tutorial - Using R to Discover Data | Water Data For The Nation Blog (usgs.gov)](https://waterdata.usgs.gov/blog/dataretrieval/)
* CDEC data:
  + Sharpshootr: [ncss-tech/sharpshootR: Miscellaneous soil data management, summary, visualization, and conversion utilities to support soil survey. (github.com)](https://github.com/ncss-tech/sharpshootR)
  + CDECretrieve: [FlowWest/CDECRetrieve: An R package to retrieve CDEC data (github.com)](https://github.com/FlowWest/CDECRetrieve)
* QA/QC wq data: [ODWG/ODWGtools: Outlier Detection Working Group Toolbox (github.com)](https://github.com/ODWG/ODWGtools)

## Shiny

* [Delta Science Shiny apps](https://deltascience.shinyapps.io/Home/)
  + Map of delta stations
  + WQ data
  + Fish
  + Climate Change
  + Other