SacPAS Database Management FAQs

SacPAS: Central Valley Prediction and Assessment of Salmon and other fishes, https://www.cbr.washington.edu/sacramento/

SacPAS Workshop, 6 December 2023

1.   What kinds of data does SacPAS make available on their website?

SacPAS includes historical, real-time, and forecasted data related to salmon and other fishes in the Central Valley of California. This includes environmental data (river temperature, flow, air temperature, electrical conductivity, etc.), juvenile salmonid catch data (rotary screw traps, trawls, etc.), hatchery data (release counts, code wire tag codes, etc.), survival estimates, adult escapement, and smelt data. Data are from long-term monitoring programs such as: Winter-run Chinook Redd and Carcass Surveys (CDFW), Red Bluff Diversion Dam Juvenile Fish Monitoring (USFWS), Enhanced Delta Smelt Monitoring Program (USFWS), Delta Juvenile Fish Monitoring Program (USFWS), Fall Midwater Trawl Survey (CDFW), and Fish Salvage Monitoring (CDFW).

2.   What's the difference between data on SacPAS and data from other sources such as CDEC, CDFW, USFWS, and NOAA websites?

SacPAS is a secondary data repository, not the primary source of the data. SacPAS aims to not duplicate existing efforts from primary data sources, but rather integrate data from multiple sources for value-added products such as data visualizations and modeling.

3.   How often are data updated on SacPAS?

SacPAS sets their loads to reflect the frequency of the primary data sources. Datasets are updated on a daily, weekly, biweekly, or annual basis, depending on data availability. SacPAS runs loads multiple times per day so that data are obtained as soon as they are released and made visible on the SacPAS website as soon as possible.

4.   Does SacPAS have guidelines on how to share data with them?

Yes, there is a 1-page document, "Guidelines on sharing data with SacPAS", that provides three checklists. Briefly, some of the recommendations are to: 1) keep the data format and location consistent, 2) provide data in a .csv file with a single header row, and 3) provide a separate document with metadata that explains all the datatypes, columns, and abbreviations.

5.   Does SacPAS QA/QC the data?

SacPAS generally represents the data as they are presented from their sources. However, SacPAS often removes outliers that are outside the realm of possibility. For example, water temperatures below 0 °C are below the extent of reportable values and are removed. If data need more thorough QA/QC, the SacPAS team can work with individuals to provide a revised dataset.

6.   How does SacPAS handle data corrections and retractions?

SacPAS has systems in place to replace older data with revised versions at the end of the year. SacPAS can also remove sections of datasets at the request of the data owners and strives to reflect the wishes of the data owners. When SacPAS implements changes to the datasets, these are announced on the data query webpage.

7.   How can I report an error in the data that I see on the SacPAS website?

Please reach out to the SacPAS team at **web@cbr.washington.edu** and they generally make the first response to you within 1 business day. The SacPAS team is happy to promptly investigate issues, respond with our findings, and make corrections as needed.

8.   Can I request for a dataset to be made available on SacPAS?

If there is a dataset that you would like to see on SacPAS and it is not available, the SacPAS team would be happy to look into acquiring it. Email **web@cbr.washington.edu** with your request along with any other information you have on the location and accessibility of the dataset, and the SacPAS team will do their best to fulfill your request.

9.   Any other questions?

Please email **web@cbr.washington.edu** with your question or request. The SacPAS team will do their best to answer your question in a timely manner.